



**Calvin, Giordano & Associates, Inc.**  
EXCEPTIONAL SOLUTIONS™

**Electronic**

**CONSTRUCTION ADMINISTRATION AND  
ENGINEERING INSPECTION SERVICES  
FEMA GRANT SW DRAINAGE PROJECT**

**RFP #  
FY 2017-2018-010**

Prepared  
For:

**CITY OF HALLANDALE BEACH  
OFFICE OF CITY CLERK  
CALVIN, GIORDANO & ASSOCIATES, INC.  
400 SOUTH FEDERAL HIGHWAY - 2ND FLOOR - SUITE 204  
HALLANDALE BEACH, FL 33009**

**Due Date / Time:  
May 21, 2018  
11:00 AM**



# 1. TITLE PAGE

**CALVIN, GIORDANO & ASSOCIATES, INC.**  
**1800 ELLER DRIVE, SUITE 600**  
**FORT LAUDERDALE, FL 33316**  
**T: 954.921.7781**  
**F: 954.921.8807**

**ROBERT "BOB" MCSWEENEY, PE**  
**DIRECTOR OF CONSTRUCTION ENGINEERING**  
**BMCSWEENEY@CGASOLUTIONS.COM**  
**P: 954.766.2764**

**DUE: MAY 21, 2018, 11:00 AM**

**RFP # FY 2017-2018-010**  
**CONSTRUCTION ADMINISTRATION AND**  
**ENGINEERING INSPECTION SERVICES**  
**FEMA GRANT SW DRAINAGE PROJECT**

## 2. TABLE OF CONTENTS

<b>1. Title Page</b> .....	<b>1</b>
<b>2. Table of Contents</b> .....	<b>2</b>
<b>3. Transmittal Letter</b> .....	<b>3</b>
<b>4. Executive Summary</b> .....	<b>7</b>
<b>5. Minimum Qualification Requirements (MQRs)</b> .....	<b>10</b>
MQR #1: Years in Business - Sunbiz.....	11
MQR #2: License Engineer.....	12
MQR #3: Previous Experience.....	13
<b>6. Required Forms</b> .....	<b>17</b>
Calvin, Giordano & Associates, Inc.....	18
Lakdas/Yohalem Engineering, Inc.....	31
Langan Engineering & Environmental Services, Inc.....	43
<b>7. Firm's Qualifications and Experience</b> .....	<b>54</b>
<b>8. Past Performance - References</b> .....	<b>97</b>
<b>9. Approach to the Project</b> .....	<b>107</b>
<b>10. Certified Minority Business Certification</b> .....	<b>113</b>
<b>11. Addendums</b> .....	<b>115</b>

## 3. TRANSMITTAL LETTER



May 21, 2018  
 City of Hallandale Beach  
 Office of the City Clerk, Suite 204  
 400 South Federal Highway  
 Hallandale Beach, Florida 33009

**Re: RFP # FY 2017-2018-010 Construction Administration and Engineering Inspection Services Federal Emergency Management Agency (FEMA) Grant Southwest (SW) Drainage Project**

Dear Selection Committee:

Calvin, Giordano & Associates, Inc. (CGA) is excited to present our team of highly qualified and experienced Construction Administration (CA), Engineering Inspection, Hydrogeologist and Grant Administration professionals in consideration for the Southwest (SW) Drainage Project. We have assigned a proven leader to manage this contract, Bob McSweeney, PE, who will serve as your direct contact and will lead a team of highly qualified individuals to ensure the successful and timely completion of this important project. The scope under this CA/Inspection Services contract is to provide the City of Hallandale Beach with Construction Administration and Resident Project Representative, and grant management assistance for the construction of a backbone drainage system complete with drainage pump station (with emergency generator), drainage force main(s), pressurized drainage wells, and a gated control structure. The scope of services will entail preconstruction activities, service during construction, and post construction activities including FEMA grant documentation submittal and project closeout.

As with all our projects, we will focus on quality construction practices, effective and timely communication, quality control, public awareness and safety, timely project delivery, and accurate documentation of the project improvements. CGA's response will highlight our firms experience with construction services for projects within City, County, and FDOT Right of Ways. We are repaired to exceed your Project Manager's expectations; we will strive to keep them apprised of all project related issues that will affect timely and cost effective completion. We have ample resources to contribute to ensure the City of Hallandale Beach successful completion of this important project on time and within budget, and we are 100% committed; the City will be a top priority. The CGA approach is to assign the appropriate staff with the required skills and project knowledge to meet the demands of the project, contractor and client. For this project, we have proposed Bob McSweeney, PE, who has both recent City of Hallandale Beach and drainage pump station experiences. Bob is an excellent engineer, construction manager and communicator; he ensures that the lines of communication are open between ALL stakeholders to ensure that the project is built in accordance with the contract guidelines and grant requirements. Bob will lead a team of highly skilled professionals who have extensive experience working with municipal agencies on similar residentially located utility projects. In order to deliver a successful project, the following skills are crucial for the CGA Team to demonstrate and maintain good working relationships with project stakeholders:

- Building Code Services
- Civil Engineering / Roadway & Highway Design
- Coastal Engineering
- Code Enforcement
- Construction Engineering & Inspection (CEI)
- Construction Services
- Data Technologies & Development
- Electrical Engineering
- Engineering
- Environmental Services
- Facilities Management
- Geographic Information Systems (GIS)
- Governmental Services
- Indoor Air Quality
- Landscape Architecture
- Planning
- Project Management
- Redevelopment & Urban Design
- Surveying & Mapping
- Traffic Engineering
- Transportation Planning
- Water / Utilities Engineering
- Website Development

1800 Eller Drive  
 Suite 600  
 Fort Lauderdale, FL  
 33316  
 954.921.7781 phone  
 954.921.8807 fax

[www.cgasolutions.com](http://www.cgasolutions.com)

- **Leadership:** Strong management, engineering and technical skill as well as experience in similar utility infrastructure construction, neighborhood improvements, maintenance of traffic, pedestrian safety/awareness, and private property ownership and protection.
- **Communication:** Effective communication skills and a demonstrated ability to work with the community, as well as build public support for the project through close and frequent communication with all stakeholders. Prior to construction, a Public Stakeholder Outreach Meeting should be held where the public will be invited to ask questions about the construction schedule and process. The Contractor will be required to present the baseline Construction Schedule at this time. Proper notifications and advanced notices will be provided to all stakeholders, residents and business owners in advance of any construction activities.
- **Coordination:** Diligent coordination among all project stakeholders is essential in order to maintain the project schedule, minimize construction impacts, and deliver the project within budget. CGA is familiar with the expectations of the City of Hallandale Beach as well as Broward County and will strive to bring the project completion in time and under budget. Our team will use this experience to ensure that this project is executed expeditiously. CGA's Corporate office located at 1800 Eller Drive, Suite 600, Fort Lauderdale, FL 33316 and will be the responsible office for this contract; however, project personnel will be on site and maintain an office provided by the City.

As this project involves FEMA grant funding, it is imperative to complete the project within the specified Contract Time of 540 days to ensure that the City receives the complete remaining Federal share reimbursement amount of \$7,274,228.00 plus Administrative fees of \$70,178.00 as part of the Hallandale Beach HMGP 1609-75-R grant. CGA understands the importance of the FEMA funding as it has successfully administered and closed out multiple FEMA grant funded drainage projects. As such, the CGA Team lead by Bob McSweeney, PE, is the best qualified to provide the necessary services for this project in order to optimize the City's receipt of reimbursement, and to ensure the City receive a quality project within budget and contract time. Our proposal is a firm and irrevocable offer extended until such time that the City Commission awards these services.

If selected I, **Chris Giordano, MSC, CCM, Vice President**, will serve as the **Principal-in-Charge** for the proposed contract, and **Bob McSweeney, PE**, will serve as the **Project Manager** and will be the direct point of contact during the term of the Agreement.

**Principal-in-Charge**

Chris Giordano, MSC, CCM  
 Vice President  
[CGiordano@cgasolutions.com](mailto:CGiordano@cgasolutions.com)  
 954-921-7781

**Project Manager/Direct Point of Contact**

Bob McSweeney, PE  
 Director of Construction Engineering  
[BMcSweeney@cgasolutions.com](mailto:BMcSweeney@cgasolutions.com)  
 954.766.2764

We appreciate the opportunity to respond to this request and know that given the opportunity,

Sincerely,  
**CALVIN, GIORDANO & ASSOCIATES, INC.**



Chris Giordano, MSC, CCM  
 Vice President



**2018 FLORIDA PROFIT CORPORATION AMENDED ANNUAL REPORT**

DOCUMENT# M17373

**Entity Name:** CALVIN, GIORDANO & ASSOCIATES, INC.

**Current Principal Place of Business:**

1800 ELLER DR  
STE 600  
FORT LAUDERDALE, FL 33316

**Current Mailing Address:**

1800 ELLER DR  
STE 600  
FORT LAUDERDALE, FL 33316

**FEI Number: 65-0013869**

**Certificate of Status Desired: Yes**

**Name and Address of Current Registered Agent:**

GIORDANO, DENNIS J  
1800 ELLER DR  
STE 600  
FORT LAUDERDALE, FL 33316 US

*The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.*

**SIGNATURE:**

Electronic Signature of Registered Agent

Date

**Officer/Director Detail :**

Title PCEOD  
Name GIORDANO, DENNIS J  
Address 1800 ELLER DR STE 600  
City-State-Zip: FORT LAUDERDALE FL 33316

Title V  
Name EICHNER, SHELLEY  
Address 1800 ELLER DR STE 600  
City-State-Zip: FORT LAUDERDALE FL 33316

Title V  
Name KEYSER, CURT  
Address 1800 ELLER DR STE 600  
City-State-Zip: FORT LAUDERDALE FL 33316

Title V  
Name COOK-WEEDEN, TAMMY  
Address 1800 ELLER DR STE 600  
City-State-Zip: FORT LAUDERDALE FL 33316

Title SECRETARY  
Name HOPKINS, DAWN  
Address 1800 ELLER DR STE 600  
City-State-Zip: FORT LAUDERDALE FL 33316

Title V  
Name WATTS, STEVE  
Address 1800 ELLER DR STE 600  
City-State-Zip: FORT LAUDERDALE FL 33316

Title VT  
Name GIORDANO, CHRIS  
Address 1800 ELLER DR STE 600  
City-State-Zip: FORT LAUDERDALE FL 33316

*I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am an officer or director of the corporation or the receiver or trustee empowered to execute this report as required by Chapter 607, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.*

**SIGNATURE: DENNIS GIORDANO**

**PRESIDENT**

**02/06/2018**

Electronic Signature of Signing Officer/Director Detail

Date



[Department of State](#) / [Division of Corporations](#) / [Search Records](#) / [Detail By Document Number](#) /

## Detail by Entity Name

Florida Profit Corporation

CALVIN, GIORDANO & ASSOCIATES, INC.

### Filing Information

<b>Document Number</b>	M17373
<b>FEI/EIN Number</b>	65-0013869
<b>Date Filed</b>	06/27/1985
<b>State</b>	FL
<b>Status</b>	ACTIVE
<b>Last Event</b>	AMENDMENT
<b>Event Date Filed</b>	03/21/2001
<b>Event Effective Date</b>	NONE

### Principal Address

1800 ELLER DR  
STE 600  
FORT LAUDERDALE, FL 33316

Changed: 04/02/2001

### Mailing Address

1800 ELLER DR  
STE 600  
FORT LAUDERDALE, FL 33316

Changed: 03/02/2000

### Registered Agent Name & Address

C T CORPORATION SYSTEM  
1200 SOUTH PINE ISLAND ROAD  
PLANTATION, FL 33324

Name Changed: 02/12/2018

Address Changed: 02/12/2018

### Officer/Director Detail

#### **Name & Address**

Title PCEOD

GIORDANO, DENNIS J

1800 ELLER DR STE 600  
FORT LAUDERDALE, FL 33316

Title V

EICHNER, SHELLEY  
1800 ELLER DR STE 600  
FORT LAUDERDALE, FL 33316

Title V

Keyser, Curt  
1800 ELLER DR STE 600  
FORT LAUDERDALE, FL 33316

Title V

COOK-WEEDEN, TAMMY  
1800 ELLER DR STE 600  
FORT LAUDERDALE, FL 33316

Title Secretary

HOPKINS, DAWN  
1800 ELLER DR STE 600  
FORT LAUDERDALE, FL 33316

Title V

WATTS, STEVE  
1800 ELLER DR  
STE 600  
FORT LAUDERDALE, FL 33316

Title VT

GIORDANO, CHRIS  
1800 ELLER DR  
STE 600  
FORT LAUDERDALE, FL 33316

#### Annual Reports

<b>Report Year</b>	<b>Filed Date</b>
2017	01/10/2017
2018	01/02/2018
2018	02/06/2018

#### Document Images

[02/12/2018 -- Reg. Agent Change](#)

[View image in PDF format](#)

[02/06/2018 -- AMENDED ANNUAL REPORT](#)

[View image in PDF format](#)

[01/02/2018 -- ANNUAL REPORT](#)

[View image in PDF format](#)

[01/10/2017 -- ANNUAL REPORT](#)

[View image in PDF format](#)

<a href="#">01/04/2016 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">05/07/2015 -- AMENDED ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/14/2015 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">12/22/2014 -- AMENDED ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">10/30/2014 -- AMENDED ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">03/20/2014 -- AMENDED ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/09/2014 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/04/2013 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/24/2012 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">03/15/2011 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">02/17/2010 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">02/25/2009 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">02/21/2008 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/23/2007 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/20/2006 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/19/2005 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">07/02/2004 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/27/2003 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">03/13/2002 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">04/02/2001 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">03/20/2001 -- Amendment</a>	<a href="#">View image in PDF format</a>
<a href="#">03/02/2000 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">02/24/1999 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/27/1998 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">02/10/1997 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/29/1997 -- NAME CHANGE</a>	<a href="#">View image in PDF format</a>
<a href="#">02/06/1996 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>
<a href="#">01/25/1995 -- ANNUAL REPORT</a>	<a href="#">View image in PDF format</a>

## 4. EXECUTIVE SUMMARY



## EXECUTIVE SUMMARY

**Calvin, Giordano & Associates, Inc. (CGA)** is pleased submit a response to the Request for Proposals (RFP) # FY 2017-2018-010 for Consultant Competitive Negotiation Act (CCNA) for Construction Administration and Engineering Inspection Services related to the Federal Emergency Management Agency (FEMA) Grant for the City of Hallandale Beach (City) Southwest (SW) Drainage Project.

CGA is a multidisciplinary firm that has been located in South Florida for more than 80 years. Since 1937, engineering and the associated services have been a cornerstone of CGA. Today, with over 350 employees, CGA provides a diverse range of services, including construction administration (CA), construction engineering and inspection (CEI), grant application services, roadway design, neighborhood infrastructure rehabilitation improvements design, drainage improvements master planning and design, utility engineering, civil engineering, environmental engineering services, land surveying, planning, landscape architecture, geographic information systems (GIS), transportation/traffic engineering, data technology, and building code services. Our team, through our enhanced resources and subconsultants, is ready to assist the City on this contract.

Since its inception, CGA has served as a professional consultant to various municipalities throughout Florida including the cities of Hallandale Beach, Cooper City, Dania Beach, Hollywood, Miami Beach, Miramar, Fort Lauderdale, North Lauderdale, North Miami Beach, Oakland Park, Opa-Locka, Pembroke Pines, Tamarac, Riviera Beach, Sunny Isles Beach, West Park, and Weston, the towns of Davie, Bay Harbor Islands, Lauderdale-By-The-Sea, Surfside, and the villages of Palmetto Bay and Bal Harbour; a number of which have been repeat clients for more than 10 years. The Construction Administration and CEI departments have extensive experience serving as consulting engineers to multiple municipalities and State agencies.

Throughout Broward County and across South Florida, an area of increased focus is on storm water management. Utilizing available and innovative design technologies, CGA's engineers have provided solutions to municipal clients to address these concerns. CGA's Quality Assurance (QA) program, developed to facilitate incorporation of the highest levels of Quality Control (QC), embodies our company's commitment to excellence and exceptional

professionalism in assisting client's in achieving their goals. Additionally, we take great pride in identifying, implementing and achieving practical, economical, yet sustainable solutions. As a result, CGA's Construction Administration Department has helped to implement these projects through to successful completion.

With a far-reaching presence throughout Florida, CGA keeps abreast of grant opportunities, and the timely administration and documentation submittals required for funding reimbursement.



Actual photo within project area after rainfall event.

## UNDERSTANDING THE SCOPE OF WORK

We have reviewed the information included in this RFP# FY 2017-2018-010 along with performing onsite reconnaissance of the project area including the pump station and control structure sites, and we are in complete understanding of the scope of work to be performed. The challenges faced by the City involving the need to create a backbone drainage system have reached a critical stage to combat the existing area wide drainage system issues, and we are confident in our ability to assist the City with meeting the goals and objectives for this project.

Our dedicated team members will ensure that all stake holders, including but not limited to, residents, business owners, City Staff and City Commission, are well informed throughout the project and will be available to review all aspects of the progress of construction, budget and construction schedule as it relates to project completion and the successful close-out of the FEMA grant.



We understand that the FEMA grant reimbursement is dependent upon successful and timely project completion, and that pre-construction activities are required ahead of construction commencement including building permit application submittal for both structures (pump station and control structure) as well as the proposed seawalls. During this time, shop drawings and other required submittals (MOT plan(s), dewatering permit, SOV's, etc.) will be coordinated through the Contractor to ensure construction commencement at the earliest achievable time. Additionally, this will serve to allow for advance ordering of routine long lead items (i.e. pumps, instrumentation and controls, and large diameter piping appurtenances).

**PROJECT TEAM**

As Prime Consultant, CGA will manage and administer this project and provide the necessary civil, mechanical, electrical, instrumentation, grant administration and construction engineering services needed for this project. The CGA Team including **Lakdas/Yohalem Engineering, Inc. (LYE)** and **Langan Engineering & Environmental Services, Inc. (Langan)** will also provide professionals who have both design and construction experience in the aspects of structural engineering and hydrogeology, respectively.

We are committed to providing the City of Hallandale Beach with quality project management, superior design experience and capabilities, civil engineering, electrical engineering, structural engineering, and construction engineering services. CGA's previous work with these sub-consultants on past projects has yielded highly efficient relationships and successful projects. The following is our list of sub-consultants that are included on the CGA Team. An organizational chart that provides the Key Team members is included in Section 7, Firm's Qualifications and Experience.

LYE, a certified Threshold Inspector, and will provide structural inspections of the seawalls, pump station and control structure following the requirements of the Florida Building Code. CGA has teamed previously with LYE through design and construction services for three (3) previous drainage pump station projects and have an integrated working relationship.

Langan will provide hydrogeology related observations during the drainage well(s) construction, development and capacity testing. They will monitor, obtain and provide both soil and water quality data as required by the Florida Department of Environmental Protection (FDEP) for acceptance requirements of the completed drainage wells. Langan has been a successful team member with CGA on previous projects and was instrumental in Hallandale's current system design.

The CGA Team includes certain professionals / firms that served during the design phase of this project, and have the shared experience of providing these services on other joint drainage system improvement projects that involved drainage wells and drainage pump stations both for the City of Hallandale Beach and other municipalities. This arrangement offers the City of Hallandale Beach with the most effective and efficient team to administer and manage the construction of the project and secure the FEMA grant funding. By teaming with the design firms, it results in the ability to provide prompt and effective responses to any situations that arise due to the design knowledge, and constructability reviews performed by CGA's Construction Services department during design development. Furthermore, our combined experience with the recently completed NE Quadrant Drainage project has allowed us to work integrally with City staff, and understand what is important to residents and business owners alike.

SUB-CONSULTANT	SERVICE
Lakdas / Yohalem Engineering, Inc.	Structural Engineering
Langan Engineering & Environmental Services, Inc.	Hydrogeologists / Environmental Engineering

## 5. MINIMUM QUALIFICATION REQUIREMENTS (MQRs)



## MINIMUM QUALIFICATION REQUIREMENTS (MQRS)

### MINIMUM QUALIFICATION REQUIREMENT # 1: YEARS IN BUSINESS- SUNBIZ:

CGA currently holds an active status on Sunbiz. A copy of our Sunbiz registration is included below, showing CGA's date of filling of June 27, 1985.

# *State of Florida Department of State*

I certify from the records of this office that CALVIN, GIORDANO & ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on June 27, 1985.

The document number of this corporation is M17373.

I further certify that said corporation has paid all fees due this office through December 31, 2018, that its most recent annual report/uniform business report was filed on January 2, 2018, 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 Second day of January, 2018*



*Ken DeFina*  
**Secretary of State**

Tracking Number: CC7752276398

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

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



**Calvin, Giordano & Associates, Inc.**  
 EXCEPTIONAL SOLUTIONS™

**MINIMUM QUALIFICATION REQUIREMENT # 2: LICENSE ENGINEER:**

CGA holds a valid state of Florida engineering licenses as shown below.

**State of Florida**  
**Board of Professional Engineers**  
 Attests that  
**Calvin Giordano & Associates, Inc.**

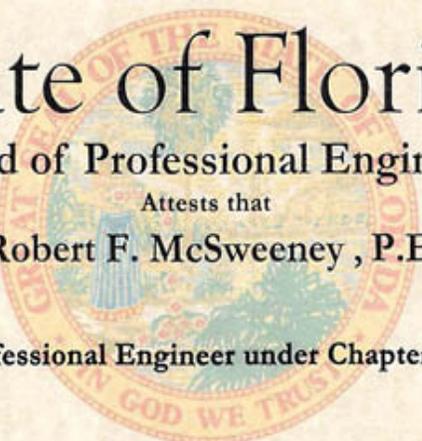



**Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.**

Expiration: 2/28/2019  
 Audit No: 228201902481 R

**CA Lic. No:**  
**514**

**State of Florida**  
**Board of Professional Engineers**  
 Attests that  
**Robert F. McSweeney , P.E.**




**Is licensed as a Professional Engineer under Chapter 471, Florida Statutes**

Expiration: 2/28/2019  
 Audit No: 228201923157 R

**P.E. Lic. No:**  
**47506**



**MINIMUM QUALIFICATION REQUIREMENT # 3: PREVIOUS EXPERIENCE:**

CGA has an extensive amount of experience spanning over 50 years with similar scope of work as outlined in this RFP. Below are three sample contracts showing CGA's FEMA Drainage Experience. The detailed information for each contract is provided on the following pages.

Contract Owner	Project Name
City of Oakland Park	Lloyd Estates
City of Hallandale Beach	NE Quadrant Drainage Improvements
City of Weston	Weston Drainage Improvements



Actual photo within project area after rainfall event



Proposers must provide the information for MQR #3 on the following chart(s):

Name and Location of Contract # 1:	Lloyd Estates Oakland Park, Florida
Name of the Firm that was awarded the Contract:	Calvin, Giordano & Associates, Inc.
List all of the sub-contractors that worked for the awarded Contractor to provide all services required for the Contract:	Lakdas/Yohalem Engineering, Inc.
Date when Contract started:	2013
Date when Contract was completed:	2017
Name of entity for which services were provided to:	City of Oakland Park
Updated contact name, phone and email for Project Manager where services were provided to:	Albert Carbon 954-630-4458 albertc@oaklandparkfl.gov
What specific types of tasks did the awarded Firm perform? Explain in detail the experience with FEMA Drainage Projects.	<ul style="list-style-type: none"> <li>- FEMA Grant Administration Assistance and Support</li> <li>- Develop Design/Contract Documents</li> <li>- Provide CA/Engineering Inspection Services</li> <li>- Provide Bidding Services</li> <li>- Obtained ALL Required Permits</li> </ul>
Explain in detail all the services that the awarded Contractor performed:	<ul style="list-style-type: none"> <li>- Survey</li> <li>- Engineering Design/Permitting</li> <li>- Grant Application Preparation and Administration</li> <li>- Contract Documents Development</li> <li>- Bidding Assistance</li> <li>- Preconstruction Services</li> <li>- CA/Engineering Inspection Services</li> <li>- Project Closeout, Permit Closeout, Grant Closeout, and Reimbursement Coordination</li> </ul>



Name and Location of Contract # 2:	NE Quadrant Drainage Improvements Hallandale Beach, FL
Name of the Firm that was awarded the Contract:	Calvin, Giordano & Associates, Inc.
List all of the sub-contractors that worked for the awarded Contractor to provide all services required for the Contract:	Lakdas/Yohalem Engineering, Inc. Langan Engineering & Environmental Services, Inc. Nutting Engineers of Florida, Inc.
Date when Contract started:	2009
Date when Contract was completed:	2015
Name of entity for which services were provided to:	City of Hallandale Beach
Updated contact name, phone and email for Project Manager where services were provided to:	Mariana Pitiriciu 954-359-6273 MPitiriciu@broward.org Formerly with City of Hallandale Beach
What specific types of tasks did the awarded Firm perform? Explain in detail the experience with FEMA Drainage Projects.	<ul style="list-style-type: none"> <li>- FEMA Grant Administration Assistance and Support</li> <li>- Develop Design/Contract Documents</li> <li>- Provide CA/Engineering Inspection Services</li> <li>- Provide Bidding Services</li> <li>- Obtained ALL Required Permits</li> </ul>
Explain in detail all the services that the awarded Contractor performed:	<ul style="list-style-type: none"> <li>- Survey</li> <li>- Engineering Design/Permitting</li> <li>- Grant Application Preparation and Administration</li> <li>- Contract Documents Development</li> <li>- Bidding Assistance</li> <li>- Preconstruction Services</li> <li>- CA/Engineering Inspection Services</li> <li>- Project Closeout, Permit Closeout, Grant Closeout, and Reimbursement Coordination</li> </ul>



Name and Location of Contract # 3:	Weston Drainage Improvements Weston, FL
Name of the Firm that was awarded the Contract:	Calvin, Giordano & Associates, Inc.
List all of the sub-contractors that worked for the awarded Contractor to provide all services required for the Contract:	N/A
Date when Contract started:	2012
Date when Contract was completed:	2015
Name of entity for which services were provided to:	City of Weston
Updated contact name, phone and email for Project Manager where services were provided to:	Karl Thompson Assistant City Manager, Director of Public Works 954-385-2000 KThompson@westonfl.org
What specific types of tasks did the awarded Firm perform? Explain in detail the experience with FEMA Drainage Projects.	<ul style="list-style-type: none"> <li>- FEMA Grant Administration Assistance and Support</li> <li>- Develop Design/Contract Documents</li> <li>- Provide CA/Engineering Inspection Services</li> <li>- Provide Bidding Services</li> <li>- Obtained ALL Required Permits</li> <li>- Obtained Grants</li> <li>- Full Grant Administration</li> </ul>
Explain in detail all the services that the awarded Contractor performed:	<ul style="list-style-type: none"> <li>- Survey</li> <li>- Engineering Design/Permitting</li> <li>- Grant Application Preparation and Administration</li> <li>- Contract Documents Development</li> <li>- Bidding Assistance</li> <li>- Preconstruction Services</li> <li>- CA/Engineering Inspection Services</li> <li>- Project Closeout, Permit Closeout, Grant Closeout, and Reimbursement Coordination</li> </ul>

## 6. REQUIRED FORMS



## **REQUIRED FORMS**

The following forms are included:

- a. Proposal Submitted by Form
- b. Variance Form
- c. Legal Proceedings Form
- d. Public Entity Crime Form
- e. Domestic Partnership Certification form
- f. Conflict of Interest Notification Requirement Questionnaire
- g. Drug Free Workplace Form
- h. Reference Check Form (located in Section 8, Past Performance - Reference)
- i. Anti-Kickback Affidavit
- j. Truth-In-Negotiation Certificate



UNABLE TO SUBMIT A RESPONSE? We sincerely hope this is not the case. If you're Firm cannot submit a proposal at this time, please provide the information requested in the space provided below and return form to [procurement\\_department@cohb.org](mailto:procurement_department@cohb.org).

\_\_\_\_\_ HAVE RECEIVED THE RFP  
 (COMPANY NAME)  
 UNABLE TO RESPOND TO THE RFP AT THIS TIME DUE TO THE FOLLOWING REASONS:


**COMPLETE INFORMATION BELOW:**

SIGNATURE:	
TITLE:	
STREET ADDRESS: (OR)	
CITY:	
STATE:	ZIP CODE:
TELEPHONE / AREA CODE: (    )	
EMAIL ADDRESS:	
<b>RETURN THIS UNABLE TO SUBMIT FORM ONLY TO EMAIL ABOVE:</b>	
CITY OF HALLANDALE BEACH	
PROCUREMENT DEPARTMENT	
400 SOUTH FEDERAL HIGHWAY, ROOM 242	
HALLANDALE BEACH, FL 33009	
TITLED: RFP # FY 2017-2018-010	
CONSTRUCTION ADMINISTRATION AND	
ENGINEERING INSPECTION SERVICES	
FEMA GRANT SW DRAINAGE PROJECT	

NOT APPLICABLE



**VARIANCE FORM**

The proposing Firm must provide and state any and all variances to this RFP, specifications, the Terms and Conditions and City Form Agreement and III on this variance form.

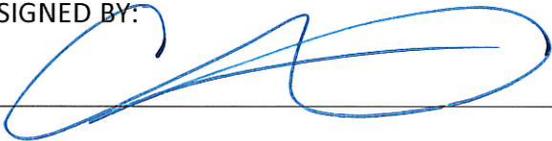
After award of Contract through City Commission, via the Resolution, the awarded Firm's Variance Form will be reviewed by appropriate City Staff, the City Attorney and the Risk Manager. If the variances presented by your Firm are acceptable to the City, the Agreement will be routed to the awarded Firm for execution by the authorized officer of the Firm. The fully executed agreement will be required to be returned to the City of Hallandale Beach Procurement Department, Tom Camaj, via email [tcamaj@cohb.org](mailto:tcamaj@cohb.org) within five (5) business days from receipt of the email from the Procurement Department to the awarded Firm's contact. Failure to provide a duly executed agreement by the awarded Firm to the City within five (5) business days from receipt may result in loss of award of such contract to your Firm. Variances requested to either the RFP, the Terms and Conditions and the City Form Agreement from your Firm may result in the City rescinding award of contract to your Firm.

If your Firm has no variances, please state "None" (provide additional pages if necessary). This form must be provided back in Firm's response.

None



**THIS PROPOSAL SUBMITTED BY:**

COMPANY: Calvin, Giordano & Associates, Inc.
ADDRESS: 1800 Eller Drive, Suite 600
CITY & STATE: Fort Lauderdale, Florida
ZIP CODE: 33316
TELEPHONE: (954) 921-7781
DATE OF RFP: May 21, 2018
FACSIMILE NUMBER: (954) 921-8807
E-MAIL ADDRESS: marketing@cgasolutions.com
FEDERAL ID NUMBER: 65-0013869
NAME & TITLE PRINTED: Chris Giordano, MSC, CCM, Vice President
SIGNED BY: 

WE (I) the above signed hereby agree to furnish the item(s), service(s) and have read all attachments including specifications, terms and conditions and fully understand what is required.

The Request for Proposals, Specifications, Proposal Forms, and/or any other pertinent document form a part of this proposal and by reference made a part hereof. Signature indicates acceptance of all terms and conditions of the RFP.



**LEGAL PROCEEDINGS FORM**

Proposing Firm must provide items a-d with your Firm's response as an attachment and checking off that documents were provided. Your Firm must ensure your response is addressing by title for each item a-d below. If an item(s) is not applicable, your Firm must check off as applicable stating "N/A" and authorized officer per Sunbiz to provide signature.

a. Arbitrations: List all arbitration demands filed by or against your Firm in the last five (5) years, and identify the nature of the claim, the amount in dispute, the parties and the ultimate resolution of the proceeding.

Check here if provided       Check here if Not Applicable (N/A)

b. Lawsuits: List all lawsuits filed by or against, your Firm in the last five (5) years, and identify the nature of the claim, the amount in dispute, the parties, and the ultimate resolution of the lawsuit.

Check here if provided       Check here if Not Applicable (N/A)

c. Other Proceedings: Identify any lawsuits, administrative proceedings, or hearings initiated by the National Labor Relations Board, Occupational Safety and Health or similar state agencies in the past five (5) years concerning any labor practices or project safety practices by your Firm. Identify the nature of any proceeding and its ultimate resolution.

Check here if provided       Check here if Not Applicable (N/A)

d. Bankruptcies: Has your Firm or its parents or any subsidiaries ever had a Bankruptcy Petition filed in its name, voluntarily or involuntarily? (If yes, specify date, circumstances, and resolution).

Check here if provided       Check here if Not Applicable (N/A)

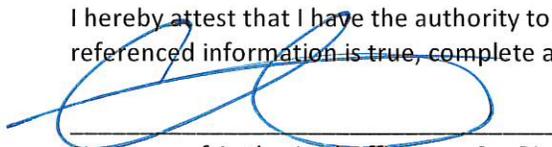
e. Settlements: Identify all settlements for your Firm in detail in the last five (5) years.

Check here if provided       Check here if Not Applicable (N/A)

I, Chris Giordano, MSC, CCM, Vice President  
Name of Authorized Officer per Sunbiz      Title

of Calvin, Giordano & Associates, Inc.  
Name of Firm as it appears on Sunbiz

I hereby attest that I have the authority to sign this notarized certification and certify that the above referenced information is true, complete and correct.

  
\_\_\_\_\_  
Signature of Authorized Officer per SunBiz

Chris Giordano, MSC, CCM, Vice President  
Print Name of Authorized Officer per SunBiz

**CALVIN, GIORDANO & ASSOCIATES, INC.**  
**LAWSUITS AND SETTLEMENTS**

Customer satisfaction is CGA's primary objective for every project undertaken by the firm. As such, CGA endeavors to complete each project on time and within budget. CGA is proud to assert that CGA has not failed to provide products, perform services, or furnished goods for which we have been contracted.

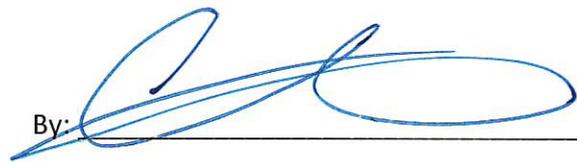
1. Armando E. Silva, and Robin Silva, both individually and as natural parents and next friends of Spencer Silva and Heather Silva, minors, v. South Broward Hospital district, d/b/a Memorial Regional Hospital, Hardrives of Delray, Inc., d/b/a Hardrives, Inc., a Florida Profit Corporation, Calvin, Giordano & Associates, Inc., a Florida Profit Corporation, and ANF Group, Inc., a Florida Profit Corporation, filed suit on October 25, 2013 in the Broward County Circuit Court. NO. CACE13023917. A lawsuit for compensation was brought against Calvin, Giordano & Associates (CGA) by Armando Silva as a result of a motor cycle accident on a road designed by CGA. This case was settled.
2. Kevin Young vs. Calvin, Giordano, & Associates, Inc., Case NO: 0:13-cv-61870-Scola/Otazo-Reyes, filed in United States District Court for the Southern District of Florida, Fort Lauderdale Division. ADA lawsuit. The parties have dismissed this case with prejudice in accordance with Federal Rule of Civil Procedure 41(a)(1)(A)(ii). Dismissal with prejudice, ECF No. 66) on December 19, 2014.
3. Hummer v. CTS1, Inc., Russell Engineering, Inc., Calvin Giordano & Associates, Inc, and AE Engineering, Inc. CACE 16-008549. This lawsuit relates to an alleged bicycle accident that occurred within the boundaries of the construction project known as the A1A washout project along A1A in Fort Lauderdale, Florida [Broward County]. The nature of the project related to widening sidewalks, reducing traffic lanes, adding traffic signals, and adding a seawall along A1A Sunrise Boulevard North to NE 18<sup>th</sup> Street.



**PUBLIC ENTITY CRIME FORM**

**SWORN STATEMENT PURSUANT TO SECTION 287.133(2) (a),  
FLORIDA STATUTES,  
PUBLIC ENTITY CRIME INFORMATION**

“A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a Contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months following the date of being placed on the convicted vendor list.”

By:  \_\_\_\_\_

Title: Chris Giordano, MSC, CCM, Vice President

Signed and Sealed 17 day of May, 2018

**Domestic Partnership Certification Form**

**This form must be completed and submitted with your Firm's submittal.**

**Equal Benefits Requirements** As part of the competitive solicitation and procurement process a Contractor seeking a Contract shall certify that upon award of a Contract it will provide benefits to Domestic Partners of its employees on the same basis as it provides benefits to employees' spouses. Failure to provide such certification shall result in a Contractor being deemed non-responsive.

**Domestic Partner Benefits Requirement means** a requirement for City Contractors to provide equal benefits for domestic partners. Contractors with five (5) or more employees contracting with City, in an amount valued over \$50,000, provide benefits to employees' spouses and the children of spouses.

The Firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of City of Hallandale Beach Ordinance 2013-03 Domestic Partnership Benefits Requirement, and certifies the following:

**Check only one box below:**

- 1. The Contractor certifies and represents that it will comply during the entire term of the Contract with the conditions of the Ordinance 2013-03, Section 23-3, Domestic Partner Benefits Requirement of the City of Hallandale Beach, or
- 2. The Firm does not need to comply with the conditions of Ordinance 2013-03, Section 23-3, Domestic Partner Benefits Requirement of the City of Hallandale Beach, because of allowable exemption: **(Check only one box below):**
  - The Firm's price for the contract term awarded is \$50,000 or less.
  - The Firm employs less than five (5) employees.
  - The Firm does not provide benefits to employees' spouses nor spouse's dependents.
  - The Firm is a religious organization, association, society, or non-profit charitable or educational institution or organization operated, supervised or controlled by or in conjunction with a religious organization, association or society.
  - The Firm is a government entity.
  - The contract is for the sale or lease of property.



- The covered contract is necessary to respond to an emergency.
- The provision of Ordinance 2013-03, Section 23-3 Definition, of the City of Hallandale Beach, would violate grant requirements, the laws, rules or regulations of federal or state law.

I, Chris Giordano, MSC, CCM, Vice President  
Name of authorized Officer per Sunbiz Title  
of Calvin, Giordano & Associates, Inc.  
Name of Firm as it appears on Sunbiz

hereby attest that I have the authority to sign this notarized certification and certify that the above referenced information is true, complete and correct.

[Signature] Chris Giordano, MSC, CCM  
Signature Print Name

STATE OF Florida

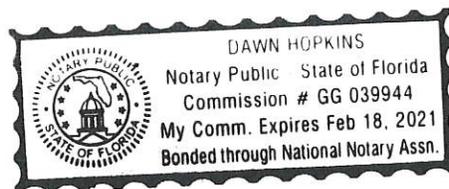
COUNTY OF Broward

SWORN TO AND SUBSCRIBED BEFORE ME THIS 17<sup>TH</sup> DAY OF  
May, 2018 BY Chris Giordano

TO ME PERSONALLY KNOWN OR PRODUCED IDENTIFICATION:

(type of ID)  
[Signature]  
Signature of Notary  
Dawn Hopkins  
Print Name of Notary Public

02/18/21  
Commission expires





**CONFLICT OF INTEREST NOTIFICATION REQUIREMENT QUESTIONNAIRE**

If you are an employee, board member, elected official(s) or an immediate family member of any such person, please indicate the relationship below. Pursuant to the City of Hallandale Beach Standards of ethics any potential conflict of interest must be disclosed and if requested, obtain a conflict of interest opinion or waiver from the Board of Directors prior to entering into a contract with the City.

**1. Name of Firm submitting a response to this RFP.**

Calvin, Giordano & Associates, Inc.

**2. Describe each affiliation or business relationship with an employee, board member, elected official(s) or an immediate family member of any such person of the City of Hallandale Beach or Hallandale Beach Community Redevelopment Agency, if none so state.**

None

**3. Name of City of Hallandale Beach or Hallandale Beach Community Redevelopment Agency employee, board member, elected official(s) or immediate family member with whom filer/respondent/Firm has affiliation or business relationship, if none so state.**

None

**4. Describe any other affiliation or business relationship that might cause a conflict of interest, if none so state.**

None

**CONFLICT OF INTEREST NOTIFICATION REQUIREMENT QUESTIONNAIRE**

5.

Signature of person/Firm  
Chris Giordano, MSC, CCM, Vice President

May 17, 2018

Date



**DRUG-FREE WORKPLACE FORM**

The undersigned vendor in accordance with Florida Statute 287.087

Hereby certified that Calvin, Giordano & Associates, Inc. does:  
(Name of Business)

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 1893 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 any 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 a person authorized to sign the statement, I certify that this Firm complies fully with the above requirements.

DATE:	May 17, 2018	BIDDER'S SIGNATURE: 
-------	--------------	---

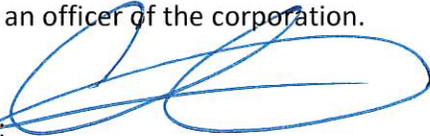
Chris Giordano, MSC, CCM, Vice President



ANTI-KICKBACK AFFIDAVIT

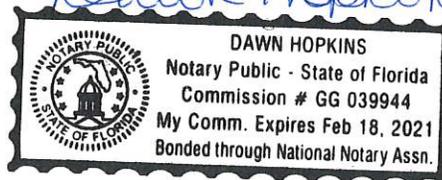
STATE OF Florida )  
 ) SS:  
COUNTY OF Broward )

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Hallandale Beach and its elected officials, as a commission, kickback, reward or gift, directly or indirectly by me or any member of my Firm or by an officer of the corporation.

By:   
Signature of Authorized Officer per Sunbiz  
Chris Giordano, MSC, CCM  
Print Name of Authorized Officer per Sunbiz  
Vice President  
Title of Authorized Officer per Sunbiz

Sworn and subscribed before me this 17<sup>TH</sup> day of May, 2018.

NOTARY PUBLIC  
State of Florida at Large



My Commission Expires: \_\_\_\_\_



### TRUTH IN NEGOTIATION CERTIFICATION

Pursuant to Section 287.055(5)(a), Florida Statutes, for any lump-sum or cost-plus-a-fixed fee professional services contract over the threshold amount provided in Section 287.017, Florida Statutes for CATEGORY FOUR, the City requires the Consultant to execute this certificate and include it with the submittal of the Technical Proposal, or as prescribed in the contract advertisement.

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for the project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the City determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the City, whichever is later.

Calvin, Giordano & Associates, Inc.

Print Firm's Name

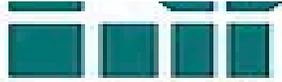
Authorized Officer of the Firm listed on Sunbiz' Signature

Chris Giordano, MSC, CCM, Vice President

Print Name of Authorized Officer of the Firm Executing Above

May 17, 2018

Date



**LAKDAS/YOHALEM  
ENGINEERING, INC.**



**THIS PROPOSAL SUBMITTED BY:**

COMPANY:	Lakdas/Yohalem Engineering, Inc.
ADDRESS:	2211 NE 54th Street
CITY & STATE:	Fort Lauderdale, Florida
ZIP CODE:	33308
TELEPHONE:	954-771-0630
DATE OF RFP:	
FACSIMILE NUMBER:	954-771-0519
E-MAIL ADDRESS:	Lye@lyengineering.com
FEDERAL ID NUMBER:	65-0014-248
NAME & TITLE PRINTED:	Lakdas Nanayakkara, President
SIGNED BY:	

WE (I) the above signed hereby agree to furnish the item(s), service(s) and have read all attachments including specifications, terms and conditions and fully understand what is required.

The Request for Proposals, Specifications, Proposal Forms, and/or any other pertinent document form a part of this proposal and by reference made a part hereof. Signature indicates acceptance of all terms and conditions of the RFP.



**VARIANCE FORM**

The proposing Firm **must** provide and state any and all variances to this RFP, specifications, the Terms and Conditions and City Form Agreement and III on this variance form.

After award of Contract through City Commission, via the Resolution, the awarded Firm's Variance Form will be reviewed by appropriate City Staff, the City Attorney and the Risk Manager. If the **variances** presented by your Firm are acceptable to the City, the Agreement will be routed to the awarded Firm for execution by the authorized officer of the Firm. The fully executed agreement will be required to be returned to the City of Hallandale Beach Procurement Department, Tom Camaj, via email [tcamaj@cohb.org](mailto:tcamaj@cohb.org) within five (5) business days from receipt of the email from the Procurement Department to the awarded Firm's contact. Failure to provide a duly executed agreement by the awarded Firm to the City within five (5) business days from receipt may result in loss of award of such contract to your Firm. Variances requested to either the RFP, the Terms and Conditions and the City Form Agreement from your Firm may result in the City rescinding award of contract to your Firm.

If your Firm has no variances, please state "None" (provide additional pages if necessary). This form must be provided back in Firm's response.

NONE



**LEGAL PROCEEDINGS FORM**

Proposing Firm must provide items a-d with your Firm's response as an attachment and checking off that documents were provided. Your Firm must ensure your response is addressing by title for each item a-d below. If an item(s) is not applicable, your Firm must check off as applicable stating "N/A" and authorized officer per Sunbiz to provide signature.

- a. **Arbitrations:** List all arbitration demands filed by or against your Firm in the last five (5) years, and identify the nature of the claim, the amount in dispute, the parties and the ultimate resolution of the proceeding.

Check here if provided       Check here if Not Applicable (N/A)

- b. **Lawsuits:** List all lawsuits filed by or against, your Firm in the last five (5) years, and identify the nature of the claim, the amount in dispute, the parties, and the ultimate resolution of the lawsuit.

Check here if provided       Check here if Not Applicable (N/A)

- c. **Other Proceedings:** Identify any lawsuits, administrative proceedings, or hearings initiated by the National Labor Relations Board, Occupational Safety and Health or similar state agencies in the past five (5) years concerning any labor practices or project safety practices by your Firm. Identify the nature of any proceeding and its ultimate resolution.

Check here if provided       Check here if Not Applicable (N/A)

- d. **Bankruptcies:** Has your Firm or its parents or any subsidiaries ever had a Bankruptcy Petition filed in its name, voluntarily or involuntarily? (If yes, specify date, circumstances, and resolution).

Check here if provided       Check here if Not Applicable (N/A)

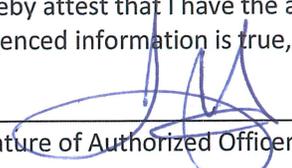
- e. **Settlements:** Identify all settlements for your Firm in detail in the last five (5) years.

Check here if provided       Check here if Not Applicable (N/A)

I, Lakdas Nanayakkara, President  
Name of Authorized Officer per Sunbiz      Title

of Lakdas/Yohalem Engineering, Inc.  
Name of Firm as it appears on Sunbiz

I hereby attest that I have the authority to sign this notarized certification and certify that the above referenced information is true, complete and correct.

  
\_\_\_\_\_  
Signature of Authorized Officer per Sunbiz

Lakdas Nanayakkara  
\_\_\_\_\_  
Print Name of Authorized Officer per SunBiz



**PUBLIC ENTITY CRIME FORM**

**SWORN STATEMENT PURSUANT TO SECTION 287.133(2) (a),  
FLORIDA STATUTES,  
PUBLIC ENTITY CRIME INFORMATION**

“A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a Contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months following the date of being placed on the convicted vendor list.”

By: Lakdas Nanayakkara

A handwritten signature in blue ink, appearing to read 'Lakdas Nanayakkara', written over a horizontal line.

Title: President

Signed and Sealed 15 day of May, 2018



**Domestic Partnership Certification Form**

**This form must be completed and submitted with your Firm's submittal.**

**Equal Benefits Requirements** As part of the competitive solicitation and procurement process a Contractor seeking a Contract shall certify that upon award of a Contract it will provide benefits to Domestic Partners of its employees on the same basis as it provides benefits to employees' spouses. Failure to provide such certification shall result in a Contractor being deemed non-responsive.

**Domestic Partner Benefits Requirement means** a requirement for City Contractors to provide equal benefits for domestic partners. Contractors with five (5) or more employees contracting with City, in an amount valued over \$50,000, provide benefits to employees' spouses and the children of spouses.

The Firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of City of Hallandale Beach Ordinance 2013-03 Domestic Partnership Benefits Requirement, and certifies the following:

**Check only one box below:**

- 1. The Contractor certifies and represents that it will comply during the entire term of the Contract with the conditions of the Ordinance 2013-03, Section 23-3, Domestic Partner Benefits Requirement of the City of Hallandale Beach, or
- 2. The Firm does not need to comply with the conditions of Ordinance 2013-03, Section 23-3, Domestic Partner Benefits Requirement of the City of Hallandale Beach, because of allowable exemption: **(Check only one box below):**
  - The Firm's price for the contract term awarded is \$50,000 or less.
  - The Firm employs less than five (5) employees.
  - The Firm does not provide benefits to employees' spouses nor spouse's dependents.
  - The Firm is a religious organization, association, society, or non-profit charitable or educational institution or organization operated, supervised or controlled by or in conjunction with a religious organization, association or society.
  - The Firm is a government entity.
  - The contract is for the sale or lease of property.



- The covered contract is necessary to respond to an emergency.
- The provision of Ordinance 2013-03, Section 23-3 Definition, of the City of Hallandale Beach, would violate grant requirements, the laws, rules or regulations of federal or state law.

I, Lakdas Nanayakkara, President  
Name of authorized Officer per Sunbiz Title

of Lakdas/Yohalem Engineering, Inc.  
Name of Firm as it appears on Sunbiz

hereby attest that I have the authority to sign this notarized certification and certify that the above referenced information is true, complete and correct.

[Signature] LAKDAS NANAYAKKARA  
Signature Print Name

STATE OF FLORIDA

COUNTY OF BROWARD

SWORN TO AND SUBSCRIBED BEFORE ME THIS 17<sup>th</sup> DAY OF  
May, 2018 BY PERSONALLY KNOWN

TO ME PERSONALLY KNOWN OR PRODUCED IDENTIFICATION:

\_\_\_\_\_  
(type of ID)  
[Signature] 02-23-2020  
Signature of Notary Commission expires  
LUAN NGUYEN  
Print Name of Notary Public





**CONFLICT OF INTEREST NOTIFICATION REQUIREMENT QUESTIONNAIRE**

If you are an employee, board member, elected official(s) or an immediate family member of any such person, please indicate the relationship below. Pursuant to the City of Hallandale Beach Standards of ethics any potential conflict of interest must be disclosed and if requested, obtain a conflict of interest opinion or waiver from the Board of Directors prior to entering into a contract with the City.

**1. Name of Firm submitting a response to this RFP.**

Lakdas/Yohalem Engineering, Inc.

**2. Describe each affiliation or business relationship with an employee, board member, elected official(s) or an immediate family member of any such person of the City of Hallandale Beach or Hallandale Beach Community Redevelopment Agency, if none so state.**

NONE

**3. Name of City of Hallandale Beach or Hallandale Beach Community Redevelopment Agency employee, board member, elected official(s) or immediate family member with whom filer/respondent/Firm has affiliation or business relationship, if none so state.**

NONE

**4. Describe any other affiliation or business relationship that might cause a conflict of interest, if none so state.**

NONE

**CONFLICT OF INTEREST NOTIFICATION REQUIREMENT QUESTIONNAIRE**

5.

Lakdas/Yohalem Engineering, Inc.

Signature of person/Firm

5/15/2018

Date



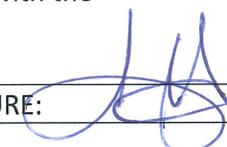
**DRUG-FREE WORKPLACE FORM**

The undersigned vendor in accordance with Florida Statute 287.087

Hereby certified that Lakdas/Yohalem Engineering, Inc. does:  
(Name of Business)

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 1893 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 any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through I implementation of this section.

As a person authorized to sign the statement, I certify that this Firm complies fully with the above requirements.

DATE:	5/15/2018	BIDDER'S SIGNATURE:	
-------	-----------	---------------------	---



**ANTI-KICKBACK AFFIDAVIT**

STATE OF Florida )  
 ) SS:  
COUNTY OF Broward )

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Hallandale Beach and its elected officials, as a commission, kickback, reward or gift, directly or indirectly by me or any member of my Firm or by an officer of the corporation.

By: [Signature]  
Signature of Authorized Officer per Sunbiz  
Lakdas Nanayakkara  
Print Name of Authorized Officer per Sunbiz  
President  
Title of Authorized Officer per Sunbiz

Sworn and subscribed before me this 17<sup>th</sup> day of May, 2018.

NOTARY PUBLIC

PERSONALLY KNOWN

State of Florida at Large

[Signature]  
LUAN NGUYEN



My Commission Expires: 02-23-2020



**TRUTH IN NEGOTIATION CERTIFICATION**

Pursuant to Section 287.055(5)(a), Florida Statutes, for any lump-sum or cost-plus-a-fixed fee professional services contract over the threshold amount provided in Section 287.017, Florida Statutes for CATEGORY FOUR, the City requires the Consultant to execute this certificate and include it with the submittal of the Technical Proposal, or as prescribed in the contract advertisement.

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for the project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the City determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the City, whichever is later.

Lakdas/Yohalem Engineering, Inc.

Print Firm's Name

Lakdas Nanayakkara 

Authorized Officer of the Firm listed on Sunbiz' Signature

Lakdas Nanayakkara

Print Name of Authorized Officer of the Firm Executing Above

5/15/2018

Date



**TRUTH IN NEGOTIATION CERTIFICATION**

Pursuant to Section 287.055(5)(a), Florida Statutes, for any lump-sum or cost-plus-a-fixed fee professional services contract over the threshold amount provided in Section 287.017, Florida Statutes for CATEGORY FOUR, the City requires the Consultant to execute this certificate and include it with the submittal of the Technical Proposal, or as prescribed in the contract advertisement.

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for the project’s agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the City determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the City, whichever is later.

Lakdas/Yohalem Engineering, Inc.  
Print Firm’s Name

Lakdas Nanayakkara   
Authorized Officer of the Firm listed on Sunbiz’ Signature

Lakdas Nanayakkara  
Print Name of Authorized Officer of the Firm Executing Above

5/15/2018  
Date

# ***LANGAN***



**THIS PROPOSAL SUBMITTED BY:**

COMPANY: Langan Engineering and Environmental Services, Inc.
ADDRESS: 110 East Broward Boulevard, Suite 1500
CITY & STATE: Fort Lauderdale, FL
ZIP CODE: 33301
TELEPHONE: 954.320.2110
DATE OF RFP:
FACSIMILE NUMBER: 954.320.2010
E-MAIL ADDRESS: vyarina@langan.com
FEDERAL ID NUMBER: 22-3167382
NAME & TITLE PRINTED: Vincent D. Yarina, PG, Principal/Vice President
SIGNED BY: 

WE (I) the above signed hereby agree to furnish the item(s), service(s) and have read all attachments including specifications, terms and conditions and fully understand what is required.

The Request for Proposals, Specifications, Proposal Forms, and/or any other pertinent document form a part of this proposal and by reference made a part hereof. Signature indicates acceptance of all terms and conditions of the RFP.



**VARIANCE FORM**

The proposing Firm **must** provide and state any and all variances to this RFP, specifications, the Terms and Conditions and City Form Agreement and III on this variance form.

After award of Contract through City Commission, via the Resolution, the awarded Firm's Variance Form will be reviewed by appropriate City Staff, the City Attorney and the Risk Manager. If the variances presented by your Firm are acceptable to the City, the Agreement will be routed to the awarded Firm for execution by the authorized officer of the Firm. The fully executed agreement will be required to be returned to the City of Hallandale Beach Procurement Department, Tom Camaj, via email [tcamaj@cohb.org](mailto:tcamaj@cohb.org) within five (5) business days from receipt of the email from the Procurement Department to the awarded Firm's contact. Failure to provide a duly executed agreement by the awarded Firm to the City within five (5) business days from receipt may result in loss of award of such contract to your Firm. Variances requested to either the RFP, the Terms and Conditions and the City Form Agreement from your Firm may result in the City rescinding award of contract to your Firm.

If your Firm has no variances, please state "None" (provide additional pages if necessary). This form must be provided back in Firm's response.

None.





**PUBLIC ENTITY CRIME FORM**

**SWORN STATEMENT PURSUANT TO SECTION 287.133(2) (a),  
FLORIDA STATUTES,  
PUBLIC ENTITY CRIME INFORMATION**

“A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid, proposal, or reply on a contract to provide any goods or services to a public entity; may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies on leases of real property to a public entity; may not be awarded or perform work as a Contractor, supplier, subcontractor, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, for CATEGORY TWO for a period of 36 months following the date of being placed on the convicted vendor list.”

By: Vincent D. Yarina

Title: Vincent D. Yarina, PG, Principal/Vice President

Signed and Sealed 17 day of May, 2018



**Domestic Partnership Certification Form**

**This form must be completed and submitted with your Firm's submittal.**

**Equal Benefits Requirements** As part of the competitive solicitation and procurement process a Contractor seeking a Contract shall certify that upon award of a Contract it will provide benefits to Domestic Partners of its employees on the same basis as it provides benefits to employees' spouses. Failure to provide such certification shall result in a Contractor being deemed non-responsive.

**Domestic Partner Benefits Requirement** means a requirement for City Contractors to provide equal benefits for domestic partners. Contractors with five (5) or more employees contracting with City, in an amount valued over \$50,000, provide benefits to employees' spouses and the children of spouses.

The Firm providing a response, by virtue of the signature below, certifies that it is aware of the requirements of City of Hallandale Beach Ordinance 2013-03 Domestic Partnership Benefits Requirement, and certifies the following:

**Check only one box below:**

- 1. The Contractor certifies and represents that it will comply during the entire term of the Contract with the conditions of the Ordinance 2013-03, Section 23-3, Domestic Partner Benefits Requirement of the City of Hallandale Beach, or
- 2. The Firm does not need to comply with the conditions of Ordinance 2013-03, Section 23-3, Domestic Partner Benefits Requirement of the City of Hallandale Beach, because of allowable exemption: **(Check only one box below):**
  - The Firm's price for the contract term awarded is \$50,000 or less.
  - The Firm employs less than five (5) employees.
  - The Firm does not provide benefits to employees' spouses nor spouse's dependents.
  - The Firm is a religious organization, association, society, or non-profit charitable or educational institution or organization operated, supervised or controlled by or in conjunction with a religious organization, association or society.
  - The Firm is a government entity.
  - The contract is for the sale or lease of property.

---

**City of Hallandale Beach, 400 South Federal Highway, Hallandale Beach, FL 33009**  
[www.cohb.org/solicitations](http://www.cohb.org/solicitations)



- The covered contract is necessary to respond to an emergency.
- The provision of Ordinance 2013-03, Section 23-3 Definition, of the City of Hallandale Beach, would violate grant requirements, the laws, rules or regulations of federal or state law.

I, Cristina M. Gonzalez, PE, Senior Principal/Senior Vice President  
Name of authorized Officer per Sunbiz Title

of Langan Engineering and Environmental Services, Inc.  
Name of Firm as it appears on Sunbiz

hereby attest that I have the authority to sign this notarized certification and certify that the above referenced information is true, complete and correct.

Cristina M. Gonzalez  
Signature

Cristina M. Gonzalez, PE  
Print Name

STATE OF Florida

COUNTY OF Miami-Dade

SWORN TO AND SUBSCRIBED BEFORE ME THIS 17 DAY OF  
May, 2018 BY Cristina M. Gonzalez

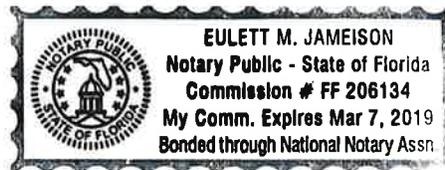
TO ME PERSONALLY KNOWN OR PRODUCED IDENTIFICATION:

Personally Known  
(type of ID)

Eulett M. Jameison  
Signature of Notary

March 7, 2019  
Commission expires

EULETT M. JAMEISON  
Print Name of Notary Public





**CONFLICT OF INTEREST NOTIFICATION REQUIREMENT QUESTIONNAIRE**

If you are an employee, board member, elected official(s) or an immediate family member of any such person, please indicate the relationship below. Pursuant to the City of Hallandale Beach Standards of ethics any potential conflict of interest must be disclosed and if requested, obtain a conflict of interest opinion or waiver from the Board of Directors prior to entering into a contract with the City.

**1. Name of Firm submitting a response to this RFP.**

Langan Engineering and Environmental Services, Inc.

**2. Describe each affiliation or business relationship with an employee, board member, elected official(s) or an immediate family member of any such person of the City of Hallandale Beach or Hallandale Beach Community Redevelopment Agency, if none so state.**

N/A

**3. Name of City of Hallandale Beach or Hallandale Beach Community Redevelopment Agency employee, board member, elected official(s) or immediate family member with whom filer/respondent/Firm has affiliation or business relationship, if none so state.**

N/A

**4. Describe any other affiliation or business relationship that might cause a conflict of interest, if none so state.**

N/A

**CONFLICT OF INTEREST NOTIFICATION REQUIREMENT QUESTIONNAIRE**

5.

Signature of person/Firm Vincent D. Yarina, PG, Principal/VP

05/17/18

Date



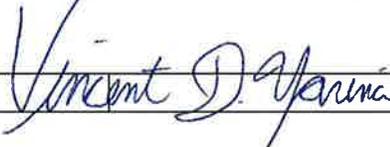
**DRUG-FREE WORKPLACE FORM**

The undersigned vendor in accordance with Florida Statute 287.087

Hereby certified that Langan Engineering and Environmental Services, Inc. does:  
(Name of Business)

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 1893 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 any 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 a person authorized to sign the statement, I certify that this Firm complies fully with the above requirements.

DATE:	05/17/18		BIDDER'S SIGNATURE:
-------	----------	---	---------------------



**ANTI-KICKBACK AFFIDAVIT**

STATE OF Florida )  
 ) SS:  
COUNTY OF Miami-Dade )

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Hallandale Beach and its elected officials, as a commission, kickback, reward or gift, directly or indirectly by me or any member of my Firm or by an officer of the corporation.

By: Cristina M. Gonzalez  
Signature of Authorized Officer per Sunbiz

Cristina M. Gonzalez, PE  
Print Name of Authorized Officer per Sunbiz

Senior Principal/Senior Vice President  
Title of Authorized Officer per Sunbiz

Sworn and subscribed before me this 17 day of May, 20 18.

Eulett M. Jameison  
NOTARY PUBLIC Eulett M. JAMEISON

State of Florida at Large

My Commission Expires: March 7, 2018





### TRUTH IN NEGOTIATION CERTIFICATION

Pursuant to Section 287.055(5)(a), Florida Statutes, for any lump-sum or cost-plus-a-fixed fee professional services contract over the threshold amount provided in Section 287.017, Florida Statutes for CATEGORY FOUR, the City requires the Consultant to execute this certificate and include it with the submittal of the Technical Proposal, or as prescribed in the contract advertisement.

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for the project's agreement are accurate, complete, and current at the time of contracting.

The Consultant further agrees that the original agreement price and any additions thereto shall be adjusted to exclude any significant sums by which the City determines the agreement price was increased due to inaccurate, incomplete, or noncurrent wage rates and other factual unit costs. All such agreement adjustments shall be made within (1) year following the end of the contract. For purposes of this certificate, the end of the agreement shall be deemed to be the date of final billing or acceptance of the work by the City, whichever is later.

Langan Engineering and Environmental Services, Inc.

Print Firm's Name

*Cristina M. Gonzalez*

Authorized Officer of the Firm listed on Sunbiz' Signature

Cristina M. Gonzalez, PE, Senior Principal/Senior Vice President

Print Name of Authorized Officer of the Firm Executing Above

05/17/18

Date

## 7. FIRM'S QUALIFICATIONS AND EXPERIENCE



**FIRM'S QUALIFICATIONS AND EXPERIENCE**

CGA has extensive experience in the planning, design, and construction administration of numerous storm water management projects for governmental/municipal agencies in south Florida and Broward County. The majority of our storm water management projects are full-design projects that include analysis, master planning, development and design, construction administration, and Construction Engineering and Inspection.

A specific example of a project that contains many of these elements would be the Town of Surfside Neighborhood Infrastructure Rehabilitation Project. The project commenced with the preparation of a master plan/study outlining the Town's existing infrastructure capabilities, and recommended capital improvements to increase the current level of service and to accommodate anticipated growth.

As part of this plan, the Town's storm water management system was investigated, and recommended improvements were identified. During the design and development phase, grant funding was investigated and secured to offset the capital improvements costs. The resulting storm water management system improvements included the following:

- Installation of culverts/piping and catch basins;
- Construction of multiple drainage pump stations;
- Construction of storm water injection wells for each station and associated force mains; and
- Construction of multiple control structures, flap gates, and manatee grates

The infrastructure improvements were in part funded through FDEP which was managed and administered by CGA. This project closely resembles the proposed project due to comparable associated improvements.

Similarly, the CGA team completed a storm water management improvements project located in the NW quadrant of the City of Hallandale Beach. This project also involved multiple drainage pump stations, numerous storm water injection wells and associated force main(s), and a number of control structures. FEMA grant funding was likewise secured and the City received reimbursement for a portion of the project costs.

A third project involving FEMA grant funding related to drainage/storm water management which CGA both designed and provided construction administration services for is the Weston Drainage Improvements

Project. This project entailed the construction of catch basins, culverts/piping, lake outfall(s), large diameter lake interconnect piping, and swale regrading.

All three projects were located in developed residential neighborhoods requiring awareness for the residents and traveling public. Safety was of paramount concern due to large excavations and traffic detouring. Other factors of consideration were dewatering activities, school, pedestrian, emergency services routing, noise abatement, and maintaining access to residential driveways.



Actual photo within project area after rainfall event

**FEMA AND GRANT EXPERIENCE**

CGA has extensive experience facilitating grants writing and administration services for our many clients. Our systematic approach to applying for grants has proven to be successful, returning a high rate of positive results. Internally, our grants are overseen by our grants administrator, who assesses the needs of each grant to strategize the best method for approach. The grants administrator then relies on directed technical expertise provided by an assigned professional in each of the disciplines, contributing to the overall submittal package. Our grants administrator tracks all activity, invoices, payments and other deliverables, interacting with the grantee throughout the entire process to ensure smooth release of disbursements, compliance with required deadlines and final grant close-out. We have an integrated team to seamlessly address every



step of your grant needs. We have a vast degree of grant experience with numerous funding sources, below is a list of our recent grant experience that is solely related to stormwater projects:

- City of West Park - South Florida Water Management, \$250,000;
- City of West Park - FDEP \$250,000;
- City of Weston - Community Budget Issue Request (CBIRS) \$1,000,000;
- City of Weston – FEMA Hazard Mitigation Grant \$1,361,700;
- City of Weston - Community Budget Issue Request (CBIRS) \$1,000,000;
- City of Weston – Congress \$492,000;
- City of Weston – FDEP \$100,000; and
- City of Surfside - 2 Florida Inland Navigation District (FIND) \$1,000,000 (\$500,000 each).

Below is grant experience where we assisted each client in design, implementation and grant compliance with grant funded stormwater projects:

- City of Oakland Park, FEMA Hazard Mitigation Grant \$7,957,838;
- City of Hallandale Beach, FEMA Hazard Mitigation Grant \$7,344,406; and
- Town of Surfside - FDEP \$1,347,500.



Actual Photo within project area after rainfall event

**CLIENTS AND FIRM'S AREAS OF EXPERTISE**

Since inception, CGA has served as a professional consultant to various municipalities throughout South Florida. In the past five (5) years, CGA has provided services to 83 municipalities. As well, CGA has served as a consultant for the City of Hallandale Beach for the last seven (7) years. Excellent client satisfaction has resulted in client relationships exceeding 10 years in length.

For these clients CGA has performed consulting engineering for hundreds of projects both under and above the \$250,000 construction cost threshold. We have completed small park improvements that cost more to permit than to construct, and massive public works projects including water treatment plant improvements totaling over \$100,000,000.

For many clients, CGA has performed both Engineering related services, and Construction Administration and Engineering Inspection services. Below is a brief listing of municipal clients, and the services provided within the last 5 years.

**City of Hallandale Beach**

- FEMA grant funding administration;
- Storm water pump stations;
- Storm water injection wells;
- Design of subaqueous and aerial crossings;
- Storm water management;
- Computer modeling of storm water systems;
- Sewage transmission mains;
- Coordination of hydrogeological consultants;
- Street improvements including paving and drainage;
- Emergency power generators; and
- Construction administration, inspection and observation.

**City of Weston**

- FEMA grant funding administration;
- Sewage transmission mains;
- Design of subaqueous and aerial crossings;
- Development of Engineering Standards;
- Streetscape and parking lots;
- Sewage pump stations;
- Computer modeling of storm water systems;
- Street improvements including paving and drainage;
- Water main distribution; and
- Construction administration, inspection and observation.

**City of Oakland Park**

- FEMA grant funding administration;
- Storm water pump stations;
- Storm water management;
- Computer modeling of storm water systems;
- Emergency power generators;
- Street improvements including paving and drainage;
- Sewage collection systems;



- Design of subaqueous and aerial crossings;
- Streetscape and parking lots; and
- Construction administration, inspection and observation

**Town of Surfside**

- FDEP grant funding administration;
- State Revolving Fund (SRF) program administration;
- Find grant funding administration;
- Storm water pump stations;
- Storm water injection wells;
- Storm water management;
- Computer modeling of storm water systems
- Coordination of hydrogeological consultants
- Sewage pump stations;
- Sanitary sewer Infiltration/Inflow reports;
- Emergency power generators;
- Street improvements including paving and drainage;
- Sewage collection systems
- Water main distribution;
- Design of subaqueous and aerial crossings;
- Streetscape and parking lots
- Construction administration, inspection and observation; and
- Town Engineer.

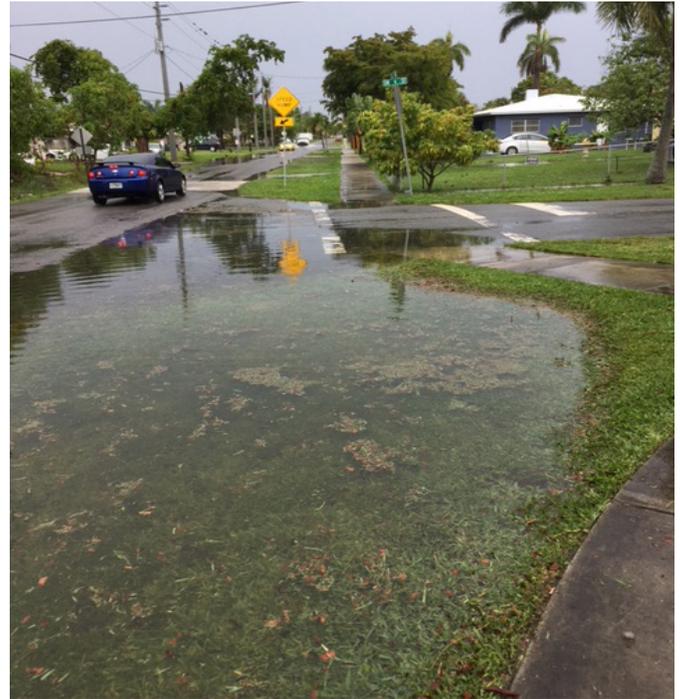
**City of Fort Lauderdale**

- Sewage pump stations;
- Sewage transmission mains;
- Design of subaqueous and aerial crossings;
- Wastewater treatment facilities;
- Streetscape and parking lots;
- Street improvements including paving and drainage;
- Water main distribution; and
- Construction administration, inspection and observation.

**Town of Davie**

- Sewage pump stations;
- Sanitary sewer infiltration/inflow reports;
- Sewage collection systems;
- Water main distribution;
- Wastewater treatment facilities;
- Water treatment facilities;
- Emergency power generators;
- Street improvements including paving and drainage;
- Streetscape and parking lots; and
- Construction administration, inspection and observation

The CGA team is proficient in all aspects of the scope of services to be performed under this contract. Our past experience(s) with similar projects as highlighted above and further explained within demonstrate our understanding and the requirements of this project.



Actual photo within project area after rainfall event.

**KEY PERSONNEL**

CGA's key personnel under this project have extensive professional experience, working for municipalities and county governments as well as representing private sector clients in municipalities and counties throughout the state. CGA will rely on this expertise and proven reliability to provide the services as requested by the City.

It is CGA's belief and understanding that with appropriate staffing, and mindful coordination of personnel, that a concentrated team can adequately oversee the proposed project while providing the required oversight of the contractor, and being a presence to area residents and business owners.

The primary project team will include

1. Construction Project Manager (PM);
2. Resident Project Representative (RPR/Inspector) supported by our Field Services Manager;
3. Quality Assurance/Quality Control Engineer;
4. Grant Administrator; and
5. Document Control Administrative Assistant.



This team will be supplemented during construction of the control and pump station structure(s), seawalls, and injection well construction by the structural engineering inspector, and the field hydrogeologist technician. Other personnel anticipated to perform services during this project as presented in the attached organizational chart will include landscaping inspector, irrigation inspector, electrical designer/inspector, instrumentation and controls designer/inspector, and independent engineer.

Below are the listed roles and experience of certain primary team members. Other team member information is contained in the provided resumes.

**ROBERT “BOB” MCSWEENEY, PE**  
**ROLE: CONSTRUCTION PROJECT MANAGER**

Bob has over 30 years’ experience in the design and construction administration/construction observation of public utilities (water mains, gravity sewer mains, force mains, pump stations, control structures, and reclaimed water mains) as well as roadway construction. These projects occurred in new developments, and throughout existing neighborhoods and communities. He is well versed on the challenges of infrastructure replacement projects within developed residential areas, and the public outreach necessary to communicate the expected impacts to residents, business and property owners, and other stakeholders. For a similar reclaimed water main project installed through a neighborhood in east Pompano Beach, Bob was both the EOR (Engineer of Record) as well as being responsible for Inspection and Construction Administration services. This project included approx. 5,000 L.F. of 24” transmission main with a 300 L.F. horizontal directional bore under Atlantic Boulevard, and 6” distribution mains and associated services.

**JAMES MESSICK, PE**  
**ROLE: QUALITY ASSURANCE/QUALITY CONTROL ENGINEER**

Mr. Messick is a project engineer with more than 13 years of experience in project management of utility/drainage infrastructure, municipal improvements, master planning and civil site design work including geometric design and permitting. Mr. Messick is proficient in the use of the latest versions of AutoCAD Civil 3D. Mr. Messick is involved with the ASCE Broward Branch, and selected Young Engineer of the Year in 2017.

**BRUCE BERNARD**  
**ROLE: FIELD SERVICES MANAGER**

Mr. Bernard has over 40 years of public and private sector experience and retains licenses for both WTP and WWTP operations. A former Public Works Director for the Town of Davie, Mr. Bernard has experience with the construction of utilities, pump stations, and large scale structures. He recently completed work with the City of Pembroke Pines overseeing water treatment plant modifications and retrofitting. Mr. Bernard was also the Resident Project Representatives Field Manager for the \$20 M Town of Surfside Infrastructure Improvements project.

**SANDRA LEE AICP CEP, LEED AP BC+D, CFM**  
**ROLE: GRANT ADMINISTRATOR**

Ms. Lee provides environmental permitting and grant management services at the local, state and federal levels. She coordinates interagency and multi-disciplinary team efforts, provides tree mitigation plans and tree removal permitting services, conducts wetland delineations and wetland functional assessments, designs wetland mitigation areas, provides bidding and construction oversight services for the construction and installation of mitigation areas, provides technical support, environmental resource management and environmental planning services to municipalities, manages field staff conducting wildlife and habitat assessments, imperiled species surveys and compliance monitoring reporting. Provides annual reporting National Pollution Discharge System (NPDES) permittees and annual recertification Community Rating System (CRS).

The CGA team including its design professionals and sub-consultants will perform all necessary responsibilities to facilitate the successful completion of the project.

**UNIQUE CIRCUMSTANCES/QUALIFICATIONS**

The CGA team is the most qualified firm to undertake this important project for the City of Hallandale Beach. CGA along with its team members provides a diversity of talent including professional engineers, licensed arborist, certified contractors, scientists, qualified inspectors, and a former Public Works Director, who is cognizant of City, residents, and business concerns. The reasons that make this team unique and exceptionally qualified as the best choice for the City include the following:

- Design Development – the CGA team composed of representatives from Calvin, Giordano



& Associates, Inc. (CGA), Lakdas/Yohalem Engineering, Inc. (LYE), and Langan Engineering and Environmental Services, Inc. (Langan) are the firms that prepared the engineering design plans for this project including; procuring the project permits; providing FEMA grant funding documentation; performed soil strata and projected well pumping investigations. These firms / individuals will also participate throughout the construction phase of the project. Our firms have lent their project understanding and insights to the team, and are available to support the CGA team. Familiarity with the design included:

- Reasoning for Injection Well Locations/ inimum Separation;
- Required injection well capacity to meet minimum level of service for drainage improvements (can reduce wells with exceptional capacity);
- Compiled existing utilities reference files/ understanding of AC pipe facilities;
- Extended knowledge a Generator/FPL coordination already taken place;
- I&C and Electrical cabinets selected to reduce footprint of building; and
- Understanding of the condition of the existing bridge and importance of construction activities adjacent to residential structures.

***Subconsultant Team (same as design)***

- Hydrogeology/Geologist boring/RAR field notes;
  - Structural/Architectural understanding of limited site constraints;
  - Understanding of anticipated dewatering activities for construction of pump station and large diameter pipes; and
  - Design team set maximum dimensions for sheet piles – familiarity of anticipated construction activities.
- Constructability Review – members of the CGA team have provided constructability reviews of the design documents at certain project milestones resulting in an unparalleled understanding of the project and its intricacies.
  - Project Experience – the CGA team has previously worked together having successfully completed a similar FEMA grant funded drainage improvement project which included drainage pump stations, storm water injection wells and

drainage force mains. This project was completed for the City of Hallandale Beach.

- Familiarity with City Staff – having worked closely with the City of Hallandale Beach staff on the previous successful FEMA grant funded drainage project, the CGA team is familiar with current staff members expected to be involved with the project, and have gained the valuable understanding of the City’s expectations.
- Familiarity with Contractor – having worked closely with the Contractor awarded the project on the previous successful FEMA grant funded drainage project, the CGA team is familiar with the contractor’s / company representatives and management, project supervision and communication methods, prosecution of the work, submittal routines, adherence to directives, and their capabilities. This allows our team to aid the Contractor throughout this project in areas where we deem need further attention.
- Office Location – within 7.5 miles of project site
- Prior experience with FEMA Grant drainage projects of similar size
- Familiarity of Permits
  - Understanding of Construction Bonding requirements for Broward County ROW improvements along S. Dixie Highway
  - Understanding of FDEP construction limitations for environmental permitting (vibration vs. hammer)
  - Previously routing of dry-run permitting through the City of Hallandale Beach Building Department (received no further comments)
  - Coordination efforts with Miami-Dade for anticipated SWPPP coordination
- Inspection / Construction Manager available for immediate placing
- Design EOR available for Construction EOR certification

**KEY MANAGEMENT PERSONNEL AND SUPPORT STAFF**

An organizational chart and resumes for all Key Management Personnel and Support Staff can be found immediately following this page.

**SUBCONTRACTORS AND WORK RESPONSIBLE FOR DURING THE AGREEMENT.**

The CGA team includes two (2) sub-consultants to provide structural engineering and hydrogeology services. All other services performed in-house. These team members were part of the design development



and are **Lakdas/Yohalem Engineering, Inc. (LYE)** and **Langan Engineering & Environmental Services, Inc. (Langan)**. These firm professionals have both design and construction experience in the aspects of structural engineering and hydrogeology, respectively.

LYE retains the license of a certified Threshold Inspector and shall provide structural inspections of the proposed seawalls, pump station and control structure following the requirements of the Florida Building Code. CGA has teamed previously with LYE through design and construction services for three (3) previous drainage pump station projects and have an integrated working relationship.

Langan shall provide hydrogeology related observations during the drainage well(s) construction, well development and capacity testing. It shall monitor, obtain and provide both soil and water quality data and well completion reporting as required by the Florida Department of Environmental Protection (FDEP) for acceptance requirements of the completed drainage wells. Langan has been a successful team member with CGA on previous projects and was instrumental in the current system design.

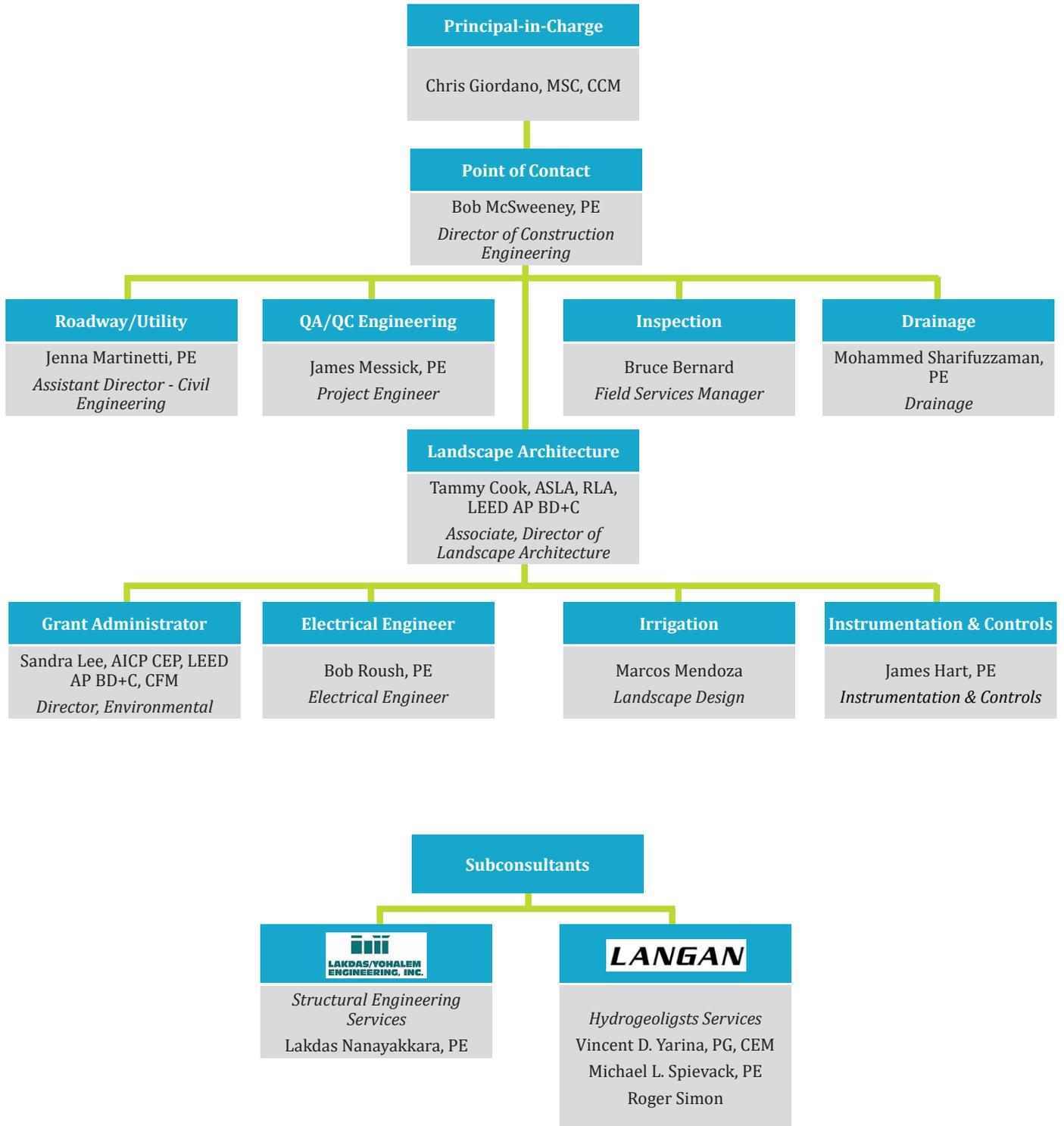
Resumes for subconsultants can be found at the end of this section following CGA's resumes.



Actual photo within project area after rainfall event.



## ORGANIZATIONAL CHART





**Robert McSweeney, PE**  
*Director of Construction Engineering*

**SUMMARY OF QUALIFICATIONS**

Mr. McSweeney's broad background entails extensive experience with civil and environmental engineering firms providing service to both public and private sector clients in Broward, Miami-Dade and Palm Beach counties. His experience involves civil engineering related design, permitting, cost estimating, engineering inspection, shop drawings and construction schedules review, FDOT CEI and utility coordination, and construction administration.

CGA's Construction Engineering Department under his leadership provides constructability and Quality Assurance/Quality Control reviews on design projects and engineering reports. As Director of Construction Engineering, he will help to ensure all projects meet project standards and specifications for quality.

**PROJECT EXPERIENCE**

**Miscellaneous Engineering Services Contract, Town of Surfside, Florida.** Acting Town Engineer/Engineer-of-Record for an ongoing continuing services contract providing general engineering services to the municipality. Projects provided under this contract included the \$23M Town-wide utility infrastructure rehabilitation program (drainage, roadway improvements/resurfacing, drainage and sewage pump stations improvements, storm water injection wells, water, and sanitary sewer,); public street end(s) seawall replacements project, and the Biscaya Island drainage improvements. Other services included Commission meeting representation, development plans review and development review meetings, Right-of-Way permit applications reviews, utility coordination, utility franchise agreement coordination, Consent Decree engineering services, and Engineer of Record construction completion certifications.

**Hallandale N.E. Quadrant Drainage Improvements, Hallandale Beach, Florida.** Construction Administrator for a neighborhood-wide drainage system modification and enhancements. The complex system included installation of additional Right-of-Way drainage/conveyance system(s); interconnecting with existing R/W drainage systems; construction of multiple (15) storm water injection wells; construction of two (2) SCADA controlled drainage pump stations with stand-by generators; relocation/replacement of conflicting existing utilities; and the corresponding drainage force/pressurized main. Other duties involved conducting progress meetings, community representation, permitting and grant close-out coordination, change order review and coordination, and conduct close-out inspections.

**Weston Drainage Improvements, Weston, Florida.** Construction Administrator for multiple large diameter lake interconnect culvert installations, Right-of-Way drainage system enhancements, and additional storm water system modifications / installations in multiple areas of the Indian Trace Community Development District. This project was partially funded with FEMA grant funding.

**Miscellaneous Engineering Services Contract, Pompano Beach, Florida.** Contract Manager/Engineer-of-Record for a continuing services contract providing general engineering, and surveying and mapping services to the municipality on an as-needed basis. Projects provided under this contract included reclaimed/reuse water main design and construction administration, Pompano Beach Sidewalk Construction Program, facility assessment reporting, municipal pier renovation inspections, Sample McDougald House site design, Broward County/Pompano Beach Branch Library site engineering design, golf course decorative wall design, and bridge and culvert improvements.

**YEARS OF EXPERIENCE**  
20+

**YEARS WITH FIRM**  
7

**EDUCATION**  
BSCE, Civil Engineering,  
Florida Institute of  
Technology, 1986

**CERTIFICATIONS & LICENSES**  
State of Florida,  
Professional Engineer,  
#47506

Maintenance of Traffic  
(MOT), Advanced

FDOT QC Manager

FDOT EEO, DBE and  
Payroll Compliance on  
Local Area Projects

Building Code  
Administrative Core

**PROFESSIONAL AFFILIATIONS**  
Florida Engineering Society  
(FES)

FAU Civil Engineering  
Department Advisory  
Committee

Broward County Unsafe  
Structures Advisory Board

Engineering Contractors  
Association (ECA)

Construction Association of  
South Florida (CASF)

Underground Contractors  
Association (UCA)



**Miscellaneous Engineering/Surveying Services Contract, Deerfield Beach, Florida.** Contract Manager/Engineer-of-Record of a continuing services contract providing, as needed general engineering, and surveying and mapping services to the municipality on an as-needed basis. Projects provided under the contract included:

- Cove Shopping Center Parking Lot Redevelopment
- State Road A1A 'S' - Curve Phase II Roadway, Utility and Beautification Project
- Intersection improvement design of Goolsby and Hillsboro Boulevards, and Goolsby Boulevard roadway improvements
- Intersection improvement design of Century and Hillsboro Boulevards
- Main Beach Parking Lot Expansion

**Golden Acres Apartments, Pompano Beach, Florida.** Contract Manager/Engineer-of-Record for this affordable housing project with 302 units completed in two phases, Golden Square and Golden Villas. Project tasks included preparation and processing of the site plan, platting, surveying, design and permitting of the water, sewer and drainage systems, roadway design and permitting, utility coordination, and construction administration services.

**Wiles Road Extension, West of Lyons Road to West of Florida's Turnpike, Broward County, Florida.** Senior Project Administrator for the roadway extension of a multi-lane divided section including drainage, utility installations (water main, gravity sewer, force main and lift station modifications), signalization modifications, roadway lighting, landscaping and irrigation, and pavement markings and signage.

**College Avenue Roadway Improvements (Phase 1), Davie, Florida.** Construction Administrator for the reconstruction and expansion of a local collector roadway situated in an education corridor serving multiple schools of higher education. The roadway expansion project involved the replacement of the drainage system, utility adjustments, roadway widening, sidewalk construction, and landscaping while maintaining vehicular and pedestrian access to the existing educational facilities and colleges.

**Broward Boulevard Bridge Improvements, East of West Tropical Trail to East of University Drive, Plantation, Florida.** Senior Project Administrator for the replacement of two bridges connecting to Broward Boulevard with aluminum arch culverts (Con-Span) including bridge demolition, drainage modifications, intersection and roadway modifications, milling and resurfacing, signalization modifications, roadway lighting, landscaping and irrigation, and pavement markings and signage.

**NW 12th Street, West of NW 107th Avenue to East of NW 136th Avenue, Miami-Dade County, Florida.** Senior Project Administrator for the roadway construction and/or widening of a multi-lane divided section including bulkhead/seawall installation, culvert(s) extensions, roadway foundation stabilization (geo-textile installation), concrete barrier wall installation, drainage, utility installations (water main and force main), railroad crossing modification, signalization, roadway lighting, landscaping and irrigation, and pavement markings and signage.

**SR 7 (US 441), South of Griffin Road to South of Stirling Road, Broward County, Florida.** Senior Project Administrator for the roadway reconstruction and widening of a multi-lane divided section including drainage modifications/retention area construction, signalization, roadway lighting, landscaping and irrigation, and pavement markings and signage.

**NW 12th Street/HEFT Interchange, Connection with the Homestead Extension of Florida's Turnpike (HEFT) Miami-Dade County, Florida.** Senior Project Administrator for the intersection connection of the mainline HEFT to NW 12th Street (excluding toll booth buildings) including ramp connections, two flat slab bridges crossing Snapper Creek Canal, drainage improvements (including lake construction), concrete barrier wall, utility installations (water main, force main including aerial crossings, and lift stations), signalization, roadway lighting, landscaping and irrigation, and pavement markings and signage.



**Palmetto Expressway (SR 826/NW 167th Street), North of NW 154th. Street to West of the Golden Glades Intersection, Miami-Dade County, Florida.** FDOT Senior Project Administrator for the milling and resurfacing of the mainline, ramps and adjacent frontage roads (NW 167th Street) and intersections for three concurrent/ adjoining FDOT projects. The work involved included milling and resurfacing, concrete barrier wall modifications, signalization improvements/modifications, roadway lighting, overhead signage installation(s), pavement markings and signage, landscaping, bridge deck cleaning, and utility adjustments.

**Broward County School Board, Florida.** Engineer-of-Record, Project Coordinator and Construction Engineering Manager for multiple stadium enhancement contracts (Coconut Creek High, Deerfield Beach High, Blanche Ely High) to include all civil engineering and land surveying services for the project, facilitated through a design/build firm and funded by the School Board of Broward County. Project involvement included complete civil engineering design and permitting associated with the new stadium/bleachers and concession building, football field grading and drainage, running track configuration, high jump and long jump configuration, pole vault and discuss configuration, security fencing, storm water management system, and construction administration/inspection/certification.

**Parkland Commons Commercial Development, Parkland, Florida.** Engineering Manager for the complete engineering design, platting, permitting and construction administration for a 40-acre commercial development. Project also involved substantial offsite roadway improvements on University Drive, and joint use agreements with the School Board of Broward County.

**Port Everglades Cruise Terminal 4, Broward County, Florida.** Engineering design and permitting of a parking lot expansion program including resolution of existing drainage inadequacies and overall site utility redesign. The utility improvements design included upgrading the existing stormwater management system and complete water distribution systems, in addition to the redesign/reconfiguration of the overall parking area.

**Downtown Davie, Davie, Florida.** Contract Manager/Engineer-of-Record for the engineering design, permitting and construction administration for a 12-acre, light density, mixed-use (residential, retail and office development) project in Davie. Project included legal depositions and expert witness testimony towards resolving drainage issues with adjoining property.

**Elementary School A (Sunrise, Florida), School Board of Broward County, Florida.** Engineer-of-Record for this new elementary school encompassing design through construction. Complete civil engineering design, permitting, construction inspections and administration services were provided/performed. Improvements included complete site development, paving/grading/drainage systems, potable water/sanitary sewer systems, and pavement marking and signage. A second school, Elementary School Z in the City of Parkland using the same prototype building plan, was designed/constructed concurrently with this project.

**Tri-Rail Double Tracking Corridor Improvements.** Engineer-of-Record/Utility Construction Manager for a portion of this large-scale project involving planning, permitting, and engineering for the expansion of multiple stations and supporting infrastructure in the tri-county area. The project improvements included new/reconfigured station parking lots and associated stormwater management systems; utility infrastructure improvements including modifications and new facilities for both water distribution and sanitary sewer systems; drainage system modifications and connections including large scale box culvert construction observation, utility, drainage and roadway improvements. The project was a fast-track design/build initiative that involved numerous governmental agencies, municipalities, utility companies (both public and private) and drainage districts.



**NW 40th Street, West of NW 54th Avenue to East of SR 7 (US 441), Coconut Creek, Florida.** Construction Administrator for the roadway widening and modifications of a divided section including drainage modifications/ improvements, intersection modifications, utility installations (water main and sewer services), landscaping and irrigation, and pavement markings and signage.

**Meadowbrook Community / Dania Beach S.E. Drainage Improvements (Phase 1), Dania Beach, Florida.** Construction Administrator for a drainage pump station and force main replacement project involving pump, motor and intake replacement; upgrading of instrumentation and controls; and replacement of the drainage force main. Other improvements included outfall replacements, and minor street drainage system improvements/modifications.



## James Messick, PE

### *Project Engineering*

#### SUMMARY OF QUALIFICATIONS

Mr. Messick's background includes over 13 years of combined experience within both the private and public sector of civil engineering. Responsibilities include water distribution and sanitary sewer collection and transmission system improvements, roadway reconstruction, general site development for both public and private engineering projects, construction cost estimates, drainage studies, feasibility studies, design of septic/lift stations, large scale stormwater management systems, along with the permitting of stormwater management systems, utilities and local roadway improvements to Florida Department of Transportation, Florida Department of Environmental Protection, and Florida Department of Health, along with applicable south Florida counties, municipalities and local agencies, and detailed experience with engineering services during construction.

#### PROJECT EXPERIENCE

**Hallandale Beach SW Quadrant Drainage Improvements, Hallandale Beach, FL:** Engineer of Record for this project which includes major enhancements to the existing drainage system within the City's SW Quadrant to reduce the flooding during large storm events by isolating the system from tidal influence and pumping the stormwater into proposed injection wells. The project includes the construction of a new pumping station with two (2)- 350 HP pumps and an automated trash rack, storm water force mains, seventeen (17) injection wells, a control structure consisting of four (4) flap gates and one sluice gate, an 800 kW generator, an intelligent controls and monitoring system and landscaping enhancements in areas affected by construction. The new wells will be pressurized with fifteen (15) feet of head in order to produce the necessary discharge into the G3 aquifer. FDEP, ACOE, and the Broward County Environmental Resource Department have permitted the project. Permitting and bidding services are also included. This project is funded by FEMA HMGP grant funds.

**Lloyd Estates, Oakland Park, FL:** Project Engineer and lead designer for the lift station outparcel for an improved stormwater management system to aid in the reduction of flood duration and elevation during storm events within the Lloyd Estates neighborhood. The improvements included a bio-swale and typical driveway design, in addition to relocating existing Broward County Transit Bus Shelter. Grant services were provided for this project that resulted in approximately \$4 million of funding from the FEMA Hazard Mitigation Grant Program.

**Boca Bath and Tennis Water Main Improvements, Boca Raton, FL:** Mr. Messick is the direct lead designer of the proposed water main improvements project located in Boca Raton, Florida. This 4,000 linear foot ductile iron pipe replacement project included residential service design, milling and resurfacing of the asphalt along the length of pipe to be replaced. Services provided by James included preparation of construction documents and specifications, permitting to both local health department and utility agencies, bid assistance, and construction management. This project was completed on time and under budget in the summer of 2015.

YEARS OF EXPERIENCE

13

YEARS WITH THE FIRM

4

EDUCATION

B.S., Civil Engineering,  
University of Dayton, 2005

CERTIFICATIONS &  
LICENSES

State of Florida,  
Professional Engineer, No.  
70870

Qualified Stormwater Mgmt  
Inspector, #13907

PROFESSIONAL  
AFFILIATIONS

Member: American Society  
of Civil Engineers, and  
Florida Engineering  
Society



**Sunflower Townhomes Water Main Improvements, Boca Raton, FL:** Mr. Messick served as the Engineer of Record for the City of Boca Raton Sunflower Townhomes Water Main Improvements project. His oversight of design for the small diameter water main replacement project played an important role, as the use of trenchless technologies will allow the contractor to navigate around heritage landscape trees while not impacting existing parking lot areas. With the use of HDPE and directional drilling, the replacement of approximately 4,500 linear feet of 2" and 4" water mains will be possible within existing utility easements. As this design criteria was established by the City of Boca Raton, Mr. Messick's insight into this construction practice helped streamline permitting activities to the Palm Beach County Health Department, and construction is anticipated to be completed in 2018.

**Basin 5 - Phase II, Dania Beach, FL:** Project manager for initial design and permitting for the improvements contained in the recommendation of the Storm Water Master Plan of Basin 5, Phase II in the Dania Beach, Florida. Project consists of three duplex pump stations, more than 20,000 linear feet of high capacity storm sewer improvements to improve storm water conveyance, increase of discharge outfall structure efficiency and exfiltration trenches to improve area water quality. Mr. Messick leads to redesign of this project to provide a bio-swale located on county maintained tidal intercostal West Lake Park, and will reduce storm stages with the construction of the three duplex pumps. Phase II includes verifying existing utilities are not in conflict and providing upgrades to several intersections to meet ADA criteria.

**Natalie's Cove Drainage Improvements, Cooper City, FL:** As Engineer of Record and Project Manager, Mr. Messick was in charge of complete drainage improvements to this local neighborhood in the City of Cooper City, Florida. After a basin wide drainage analysis, it was determined that significant improvements to level of service may be achieved by increasing conveyance pipe sizes from adjacent neighborhoods to existing stormwater management system. In addition to pipe upsizing, project includes increasing lake storage by the donation of wetland creation along eastern lake bank roadway milling and resurfacing and ADA compliance for all surrounding pedestrian sidewalks. Permitting will be completed to both South Florida Water Management District and Central Broward Water Control Districts for modifications to existing drainage permits, with an estimated construction date of Spring 2018.

**YMCA Homestead Drainage Improvements, Homestead, FL:** Project engineer for the design and coordination of the proposed stormwater improvements for the Homestead YMCA site located in Miami-Dade County, Florida. Scope includes design of drainage improvements to the existing stormwater management system to prevent localized flooding of existing daycare facility and adjacent gymnasium.

**Bid Pack 8, Oakland Park, FL:** Project Engineer of Record for the water and sewer improvements project located within the City of Oakland Park. Design included approximately 18,000 linear feet of water main replacement, rehabilitation of lift station B-1 and installation of 4 sewer combination air valves (SCAV) to alleviate compressed air within the City's sanitary sewer force main system. The water system upgrades consisted of replacing two (2) and four (4) inch diameter lines with either six (6) or eight (8) inch mains, and additional fire hydrants are spaced to adequately provide water pressure for fire protection of the existing residential neighborhoods. In addition to these water main improvements and SCAV for force main sewer transmission, lift station improvements are a critical component for this project. Lift Station B-1 was experiencing failure due to extended run times because of an increase in the collected wastewater flows and discharge force main pressure, electrical upgrades and the design of a variable frequency drive is included to handle various flow conditions. Project is currently slated for construction in Spring of 2018.

**SW 17<sup>th</sup> Ave & SW 83<sup>rd</sup> Street Roadway Improvements, North Lauderdale, FL:** As project manager, Mr. Messick was in charge of complete streets roadway design for this project located in the City of North Lauderdale, Florida. Project consists of lane widening and curb/gutter drainage for an existing undersized collector road, which provides access to two elementary schools and surrounding residential neighborhoods. Project improvements included de-mucking a portion of existing roadway, mill/resurfacing, roadway widening and ADA compliance sidewalk and driveway crossings for the heavy pedestrian traffic from the existing school. Design also includes converting an existing non-stop roadway intersection into a stop warranted raised intersection with school crossing. Permitting has been completed through North Lauderdale Water Control District, Broward County Traffic and City of North Lauderdale, and construction completed in early 2016.



## **Bruce Bernard** *Utility Coordinator*

### **SUMMARY OF QUALIFICATIONS**

Bruce Bernard has more than 43 years of construction management experience. After graduating from Broward Community College, Bruce pursued a career in the utility industry. Bruce held multiple positions including the Public Works Director for the Town of Davie prior to joining the CGA Team. He was then appointed the position of Field Services Manager at CGA. Throughout his career, Bruce has managed hundreds of millions of dollars in construction for federal, state, local and private clients.

### **PROJECT EXPERIENCE**

#### **Field Services Manager – Construction Services Department. Calvin, Giordano, & Associates, Inc. Ft Lauderdale, FL.**

- Manage staff of field inspectors involved in projects across South Florida.
- Manage and approval of contractor payment application, change order, claim request and constructive directives.
- Manage conflict resolution between the Contractor and Owner to ensure a timely completion of all projects.

### **Relevant Projects**

**Bamford Sports Complex (Pine Island Road), Town of Davie, Florida:** Project Coordinator for the Town of Davie Phase 2 Sports Complex construction. Mr. Bernard coordinated the project from plan design phase to final approval for an additional 70 acre project. Project coordination included total site development, 8 lighted baseball fields, 4 lighted football/soccer fields, 4 roller hockey rinks, 5 basketball courts, volleyball area, 2 playgrounds, equestrian trail, picnic shelters, multi-purpose trail, parking lots, 3 concession stands/restrooms buildings and multi-purpose recreational building/gym.

**Betty Roberts Park (61st Ave.), Town of Davie, Florida:** Project Administrator for the Town of Davie neighborhood park. Coordinated all phases of construction from conception to final approval by the Town of Davie. Project included Town pool and facility building, basketball courts, playground, athletic field, parking lot, and multi-purpose trail.

**92nd Street Park, Bay Harbor Islands, Florida:** Inspection /observation services for construction of .7 million dollar Town of Bay Harbor Island passive/dog park project with playground, walking trail, and parking lot. Services included field observation, quality control, payment application approval and final inspection for the 1.5 acre site.

**Vista View Park (142nd Ave.), Town of Davie, Florida:** Project Administrator for the Town of Davie equestrian park. Coordinated all phases of construction from planning stage to final acceptance by the Town of Davie. Project included horse corral, riding ring, equestrian trail, trailer parking area, covered pavilion.

**YEARS OF EXPERIENCE**  
43

**YEARS WITH THE FIRM**  
11

### **EDUCATION**

Broward Community College, 1972

University of Michigan Management Course, 1979

### **CERTIFICATIONS & LICENSES**

TIN# B65607953

CTQP Final Estimates 1  
ACI Concrete Field Tech  
CTWP Earthwork Level 1  
Traffic Construction Certificate of Training

Disaster Debris Management

FEMA Emergency Management

Utility Terrorism Preparation & Response

Asphalt Pavement Maintenance

Licensed in Water and Wastewater Plant Operations

OSHA 10 Hour Safety Certified

### **Civic**

Member of Broward County School Board Bond Oversight Committee



## **Sandra Lee, AICP CEP, LEED AP BD+C, CFM**

*Director, Environmental*

### **SUMMARY OF QUALIFICATIONS**

Ms. Lee has over 20 years of professional experience and heads up CGA's Environmental Department. In general, Ms. Lee: provides environmental permitting services at the local, state and federal level, coordinates interagency and multi-disciplinary team efforts, provides tree mitigation plans and tree removal permitting services, conducts wetland delineations and wetland functional assessments, designs wetland mitigation areas, provides bidding and construction oversight services for the construction and installation of mitigation areas, provides technical support, environmental resource management and environmental planning services to municipalities, manages field staff conducting wildlife and habitat assessments, imperiled species surveys and compliance monitoring reporting. Before joining CGA, Prior to joining CGA in 2000, Ms. Lee was a Biologist with the Growth Management Division of Monroe County.

### **ENVIRONMENTAL RESOURCE PERMITTING EXPERIENCE**

**Middle Beach Recreational Corridor (MBRC), Miami Beach.** Conducted site inspections and plant identifications and processed a CCCL permit through the Department of Environmental Protection. The MBRC is a two mile long paver walkway connecting the existing Miami Beach Boardwalk at Indian Beach Park to the North Beach Recreational Trail at Allison Park. The path fell on state lands on coast dune habitat. The scope of work also included coastal engineering, dune planting plans, lighting design, bidding and construction administration. The ADA-accessible beach pathway supports the use of bicycles, walking, and other non-motorized means of transportation. The MBRC project is a part of the greater Atlantic Greenway Network.

**Dania Cove Park, Dania Beach.** Obtained local, State and Federal permits to install site improvements required by a Florida Communities Trust and a Parks for People grant including dock, shoreline platform, and shoreline protection measures on a City park located along the Dania cut-off canal. Designed a stabilization system for a badly eroded and unstable shoreline embankment and developed a shoreline vegetation plan. Coordinated with the County and State on gaining approval for the project site design, tracked all expenditures and processed and obtained all grant disbursements for the City from the Florida Communities Trust and the Parks for People Grants for the site development, and closed out the grants.

**Lloyd Estates, Oakland Park.** Responsible for all site assessments, designing a bioswale stormwater overflow area, and obtaining permits through the US COE, the South Florida Water Management District and Broward County. The project involved the installation of two new outfalls, dredging, a sluice gate, and new seawalls into the Sleepy River, sovereign submerged lands. It also involved the construction of a pump station and the creation of a bio-swale/river overflow area within property adjacent to the river. Permitting challenges included close coordination with the SFWMD operations staff on project interactions with the C13 canal, and amending sovereign submerged lands leases for new dredge areas and the gate.

**YEARS OF EXPERIENCE**  
20

### **EDUCATION**

M.A.  
Biology/Ecology,  
Magna Cum Laude  
St. Cloud State University,  
Minnesota

B.A.  
Biology/Botany,  
Magna Cum Laude  
St. Cloud State University,  
Minnesota

### **PROFESSIONAL REGISTRATION**

American Institute  
of Certified  
Planners No.  
018627

Green Building  
Certification  
Institute LEED A.P.  
BD+C NO.  
10215598

Association of State  
Floodplain Managers  
CFM No. US-07579

Florida DEP Qualified  
Stormwater  
Management Inspector  
No. 5889

### **PROFESSIONAL AFFILIATIONS**

US Green Building Council  
Florida Chapter  
Board Officer

South Florida Association  
of Environmental  
Professionals  
Board Director

**Dania Basin 5 Drainage Improvements, Dania Beach, Pembroke Pines and Miramar.** Designed and permitted a unique bio-swale stormwater improvement system to benefit both the developed and adjacent natural habitats. Conducted all site and wetland functional assessments for permitting and processed permits through the US COE, the South Florida Water Management District and Broward County; permitting required extensive negotiation with various Divisions of Broward County for use of County land that is designated wilderness area, mangrove habitat, and serves as a buffer to West Lake Park. The project required the development of an Agreement with the County and the City requiring approval by the County Commission. The construction of the bio-swale required unavoidable impacts to wetlands; however, the swale design included enhancements that created greater wetland functional gain than the functional loss through the impacts. The project restored historic sheet flow of freshwater to the West Lake Park habitat.

**Intracoastal Park Seawall, Sunny Isles Beach.** CGA environmental staff obtained immediate emergency authorization from the jurisdictional agencies to begin repairs on a collapsed portion of seawall along the City's Intracoastal Park and kept DERM the US COE, and DEP continuously apprised of all activity. CGA quickly responded to the City's request for design, permitting and construction inspection of the emergency demolition and replacement. Due to the age and deteriorated state, the entire 669 linear feet of seawall was replaced. CGA expedited the permit review process while the Contractor was on-site performing emergency repairs.

**Seawall Replacements, Town of Surfside.** Conducted benthic assessments on all Town owned seawalls and immediate submerged lands and obtained permits from FDEP, US COE and Miami-Dade DERM to replace all Town owned seawalls.

**A-1-A Improvements and Bike Lanes, Town of Jupiter.** Obtained environmental permits, conducted the site assessments, including shoreline and submerged aquatic vegetation surveys, for new outfalls into the Lake Worth Creek Aquatic Preserve which is recognized as Outstanding Florida Waters. Conducted the investigations to complete and submit the environmental LAP documentation.

**Archdiocese of Miami Blessed John XXIII Religious Facility, Miramar.** Responsible for environmental permitting, which included the site assessments, wetland assessments and obtaining a U.S. COE, a Broward County and two South Florida Water Management District permits; one for the development site and one for a newly constructed off-site mitigation area. Also designed the newly constructed off-site mitigation area, conducted the mitigation construction oversight and long term compliance monitoring, and the conducted maintenance oversight for the off-site mitigation area. Nearly the entirety of the development site was wetland and was comprised of multiple habitat types and qualities. The Archdiocese had previously obtained environmental resource permits for this project and purchased mitigation previously constructed under a prior project. However, the Archdiocese had let all permits expire and needed to again go through the entire permitting process, under new regulatory criteria. Permitting required extensive negotiation to allow previously purchased mitigation credit from a private development site to continue to apply to this project. Additional off-site mitigation was also required.

**Pembroke Lakes Square/Miramar Pinelands Natural Area.** Responsible for coordinating and finalizing the permitting through the US COE, Broward County and the SFWMD with mitigation plan components from multiple firms for the construction of a commercial complex in Pembroke Pines on a 26+ acre site that was entirely wetlands, also conducted the mitigation construction oversight and the five year mitigation compliance monitoring. Mitigation was constructed in Miramar within the County owned Miramar Pinelands Natural Area that was purchased with State funding. The project required a tri-party agreement with County Commission approval for mitigation construction on County park land. Also, obtaining a permit modification for additional adjacent wetlands later purchased and added to the development site; coordinated the purchase of mitigation bank credits for the additional land.

**Drainage Improvements, City of Weston.** Responsible for conducting the site inspections and obtaining permits from the US COE, Broward County and the South Florida Water Management District for drainage enhancements which included culvert replacements and outfalls into surface waters.



## Jenna Martinetti, PE

Assistant Director – Civil Engineer

### SUMMARY OF QUALIFICATIONS

Ms. Martinetti has over thirteen years of engineering experience and is senior project manager for a large variety of projects related to roadway, water, wastewater, and stormwater infrastructure projects in the South Florida area. Her project management experience includes design and retrofit of parks, roadways, water mains, sewage force mains, lift stations, fuel station, site design and stormwater projects as well as site planning, modifications, permitting, bidding documents, engineering during construction and project close-out.

Ms. Martinetti's highway design experience includes design for milling and resurfacing, widening, roadway reconstruction, safety improvement projects, ADA upgrades and compliance, drainage improvements, signing and pavement markings, traffic control plans, storm water pollution prevention control plans and complete streets incorporation. Her experience also includes utility coordination, participation in the quality control process, and local agency program (LAP) coordination, including agency certification assistance. Mrs. Martinetti has the advanced maintenance of traffic certification required to design and permit traffic control plans and has extensive experience with JPA's and Local Agency Program (LAP) projects including Transportation Enhancement Program and Community Incentive Grant Projects (CIGP).

### ROADWAY DESIGN PROJECT EXPERIENCE

**Davie Road Phase 1, Davie, FL.** Senior project manager for Davie Road Phase 1, from SR 84 to Nova Drive,. The scope included widening Davie Road from a 5 lane section to 6 lane divided roadway with bike lanes, upgrading signalization and signing and pavement markings, traffic control plan, ADA upgrades, drainage modifications, new lighting, a new landscaped median, and tree removal/relocations. This project was partially funded by a County Incentive Grant and required extensive coordination for a Town project on a County owned roadway. *2013- 2016, Project Manager, Town Engineer: Laura Borgesi (954) 797-1113. Construction Cost: \$3.7 million, Firm Fees: \$368,585*

**Davie Road Phase 2 LAP, Davie, FL.** Senior project manager for design for Davie Road from Nova Drive to SW 39<sup>th</sup> Street. The scope includes adding bike lanes and a landscaped median within the existing 5 lane pavement section, widening of the sidewalk, ADA upgrades, signalization upgrades, signing and pavement marking plans, MOT, drainage modifications, lighting, and tree removal/relocations. The project is an FDOT Local Agency Program (LAP) funded grant project requiring coordination and submittals to FDOT, including using their electronic review comment (ERC) system, as required due to the federal funding. *2015- Present, Phase (construction), Project Manager, Town Engineer: Laura Borgesi (954) 797-1113. Construction Cost (2.4M), Firm Fees: \$288,000*

**Broad Causeway LAP Project, Town of Bay Harbor Islands, FL** Senior project manager for design and construction document preparation for adding a paved shoulder to the Causeway and replacing the pedestrian handrail along the waterways bridge. The project is an FDOT Local Agency Program (LAP) funded project requiring coordination and submittals to FDOT D6, including using their electronic review comment (ERC) system, as required due to the federal funding. Assisting the Town with their LAP Certification process is also included. *2017- Present, Project Manager, Town Manager: Ron Wasson (305) 866-6241. Est. Construction Cost (\$1.2M), Firm Fees: \$167,150*

YEARS OF EXPERIENCE  
13

YEARS WITH THE FIRM  
13

### EDUCATION

B.S., Civil Engineering  
Florida State  
University Magna  
Cum Laude

### PROFESSIONAL REGISTRATION

Registered Professional  
Engineer, State of  
Florida No. 69035

### CERTIFICATIONS

Advanced Work  
Zone Traffic Control

Local Agency Program  
& Florida Highway  
Administration  
Certification and  
Recertification CBT

FDOT Specifications  
Package Preparation

FDEP Stormwater,  
Erosion Control &  
Sedimentation Qualified  
Stormwater Management  
Inspector

OSHA 10-hour Construction  
Safety and Health

### PROFESSIONAL AFFILIATIONS

American Society  
of Civil Engineers

Florida Engineering  
Society  
National Society of  
Professional Engineers

Greater Hollywood  
Chamber of Commerce,  
Board of Directors,  
Trustee

Greater Dania Beach  
Chamber of Commerce  
Active member

Hallandale Beach Area  
Chamber of Commerce  
Active Platinum member



**Rickenbacker Causeway, Miami Dade County, FL.** In-house project manager for the contract with Hardesty and Hanover, the engineering firm on the design build team with Kiewit Construction for the rehabilitation of the Rickenbacker Causeway's West Bridge and the rehabilitation and expansion of the Bear Cut Bridge. CGA's scope included hydrographic and topographic survey, drainage design, lighting, and signing and pavement markings. The Bear Cut Bridge was widened to accommodate a protected multiuse path in both directions and an 8' bike lane adjacent to traffic in both directions as well as improvements to both approaches requiring coordination with two of the County's adjacent future projects. The existing cross slope and bridge deck structure were modified impacting the existing drainage and requiring permits through Miami Dade County's Regulatory & Economic Resources Department and South Florida Water Management District. CGA coordinated the bridge circuits during construction as well as providing new lighting for the widened bridge and new multiuse paths. *2013-2014, Senior Project Manager, MD County PM: Kathleen Woods-Richarson 305-372-6789. Construction Cost: \$31 million (overall design/build), Firm Fees: \$185,855*

**Nova Drive Roadway Improvements Project, Davie, FL.** Project manager and engineer of record for Nova Drive, from Davie Road to east of University Drive, to widen a portion of the corridor from 2 lanes to 4 lanes and implement complete streets initiatives including reducing lane widths, traffic calming measures such as a roundabout, adding bike lanes and sharrows, upgrading signalization, pedestrian improvements, signing and pavement marking plans, MOT, drainage modifications, lighting, and tree removal/relocations. This project is grant funded and on hold for construction pending adjacent project completion. *2014-Present, Senior Project Manager, Town Engineer: Laura Borgesi (954) 797-1113. Construction Cost: (TBD), Firm Fees: \$459,475*

**Fronton Blvd Roadway Improvements, Dania Beach, FL.** Senior Project Manager for the improvements to Fronton Boulevard in order to upgrade the existing Jai-alai facility to accommodate a casino. Upgrades on Fronton Blvd were accomplished by alignment changes in order to add a median as well an additional southbound lane, new parking for the adjacent park, and two new right turn lanes and entrances to the facility. New sidewalk was added to provide continuous sidewalk throughout the corridor. Design, permitting, and construction services for the improvements as well as new offsite water mains on Fronton Blvd, SR A1A/Dania Beach Blvd and NE 2<sup>nd</sup> Street; coordination of utilities; and drainage design to accommodate the roadway improvements was performed. *2013-2016, Senior Project Manager, Client Reference: F3 Architecture, Joaquin Gerlero, Construction Cost: \$3.1 million, Onsite and Offsite Firm Fees: \$766,000*

**SR 870/Commercial Blvd, FDOT District IV, Tamarac, FL.** Project manager and engineer of record for the design, permitting and post design services for the RRR project. The scope includes milling and resurfacing, signing and pavement markings, signalization and lighting upgrades at two intersections, ADA upgrades, safety improvements, traffic monitoring sites, and utility coordination. The project was split into two phases of construction due to R/W acquisition required for the mast arm upgrades. *2011-2016, Project Manager, FDOT Project Manager: Donovan Pessoa, PE, (954) 777-4442. Construction Cost: \$1.2 million, Firm Fees: \$458,579*

**SW 17<sup>th</sup> St & SW 83<sup>rd</sup> Ave Roadway Improvements, North Lauderdale, FL.** Senior project manager for the design and permitting for improvements on an existing undersized collector road, which provides access to two elementary schools and surrounding residential neighborhoods. Project improvements included de-mucking a portion of existing roadway, milling & resurfacing, roadway widening, new curb & gutter, drainage improvements and ADA improvements to the sidewalks and driveway crossings for the heavy pedestrian traffic from the existing schools. Design also included converting an existing non-stop roadway intersection into a stop warranted raised intersection with school crossing. *2014- 2015, Senior Project Manager, Asst. Public Works/Utilities Director: George Krawczyk, PE (954) 724-7070. Construction Cost: \$1.2 million, Firm Fees: \$93,000*

**Joe DiMaggio Children's Hospital Offsite improvements, Hollywood, FL.** Design and management of offsite improvements at 10 different locations surrounding the hospital associated with the construction of the Joe DiMaggio Children's Hospital. Improvements included street closures, two (2) new roundabouts, widening, adding turn lanes, signalization, realignment of the roadway, bus bays, ADA complaint access, and pedestrian crosswalks. These projects were closely coordinated with onsite hospital expansion, and require considerable utility and local agency coordination. Once completed, the roadway improvements significantly improved the



traffic flow into Hospital's "campus". 2008-2011, Project engineer, Client Project Manager: Joe Alcure, Jr. (954) 433-7184, Construction Cost: \$5.2 million, Firm Fees: \$460,885

## STORMWATER PROJECT EXPERIENCE

**Hallandale Beach SW Quadrant Drainage Improvements, Hallandale Beach, FL.** Senior Project Manager for major enhancements to the existing drainage system within the City's SW Quadrant to reduce the flooding during large storm events by isolating the system from tidal influence and pumping the stormwater into proposed injection wells. The project includes the construction of a new pumping station with two (2)- 350 HP pumps and an automated trash rack, storm water force mains, seventeen (17) injection wells, a control structure consisting of four (4) flap gates and one sluice gate, an 800 kW generator, an intelligent controls and monitoring system and landscaping enhancements in areas affected by construction. The new wells will be pressurized with fifteen (15) feet of head in order to produce the necessary discharge into the G3 aquifer. FDEP and the Broward County Environmental Resource Department have permitted the project. Permitting, bidding and award, engineering during construction, construction services and project close out are also included. This project is funded by FEMA HMGP grant funds. 2014-current, Client: City of Hallandale Beach, Steven Parkinson, PE. (954) 457-3042. Construction Cost: \$9.6 million, Firm Design Fees: \$782,395.

**Hallandale Beach NE Quadrant Drainage Improvements, Hallandale Beach, FL.** Project Manager for the rehabilitation of the drainage system within the City of Hallandale Beach's NE Quadrant. The project includes modifications and additions to the existing collection system, the installation of two new pumping stations, storm water force mains and injection wells, and relocation of existing utilities in conflict. The sixteen new wells will be pressurized with fifteen (15) feet of head in order to produce the necessary discharge into the G3 aquifer. FDEP and the Broward County Environmental Resource Department have permitted the project. Permitting, bidding and award, engineering during construction, construction services and project close out are also included. This project is funded by FEMA HMGP grant funds. 2010-2012, Project Manager, Client: City of Hallandale Beach, Steven Parkinson, PE. (954) 457-3042. Construction Cost: \$8.3 million, Firm Fees: \$712,000

**Basin 5 Stormwater Master Plan, Dania Beach, FL.** Ms. Martinetti is project manager for design and permitting for the improvements contained in the recommendation of the Storm Water Master Plan of Basin 5.. The proposed drainage improvements consist of four duplex pump stations, more than 20,000 linear feet of higher capacity storm sewer to improve storm water conveyance, more efficient discharge outfall systems and exfiltration trenches to improve area water quality. The retrofitted drainage system within the Basin 5 drainage areas attenuates the storm water runoff and reduces the frequency and duration of flooding. 2009-2014, Project Manager, Client: City of Dania Beach, Dominic F. Orlando, PE. (954) 924-3740.

## WATER AND SEWER PROJECT EXPERIENCE

**Water Main and Force Main Subaqueous Crossing of the Dania Cut-off Canal, Dania Beach, FL.** Project manager and EOR for the replacement of the existing water and sewage force mains under the Dania Cut-off Canal via horizontal directional drill to accommodate the proposed dredging of the canal. Also included is the replacement of an additional 1200 LF of the existing mains on NE 7th Avenue up to NE 10th St. to accommodate the future airport expansion and NE 10th St. extension projects. 2010-2012, Project Manager, Client: City of Dania Beach, Dominic F. Orlando, PE. (954) 924-3740. Construction Cost: \$802,000, Firm Fees: \$76,055

**Dania Casino Offsite Water Main Upgrades, Dania Beach, FL.** Senior Project Manager for design for the onsite and offsite improvements water and sewer improvements required to upgrade the existing Jai-alai facility to accommodate a casino. The demand of the upgraded facility and requirements of the developer's agreement with the City required 1,570 LF of 8" and 1,270 LF of 12" water main upgrades to the City's transmission mains, new fire hydrants both onsite and offsite, and multiple new service and irrigation connections for the project site. City, Broward County Health Department and FDOT permitting and



certifications were required for the new water main installation and operation. After TV inspection of the existing onsite sewer system, the new service laterals from the building were tied into the existing onsite and city gravity system. The new 8" sanitary sewer lines required close coordination with the proposed water main, existing and proposed storm drain laterals, the fire lines, and underground electrical, gas, and communications for the building. *2013-2016, Senior Project Manager, Client Reference: F3 Architecture, Joaquin Gerlero. Overall Site Improvements Construction Cost: \$3.1 million, Firm Fees: \$766,000*

**Water Main replacement on NE 2nd St., Dania Beach, FL.** Project Manager for the replacement of 1300 LF of existing water main in a residential neighborhood including replacing all water services, connections to the existing main and fire hydrants. *2010-2011, Project Manager, Client: City of Dania Beach, Dominic F. Orlando, PE. (954) 924-3740.*

**Dania Beach Public Services Fueling Station, FL.** Project Manager for design and construction of a new public services fueling station in compliance with all local and state codes including recent changes to secondary containment requirements. The station includes key card access for City employees and remote monitoring of the fuel station. Also included was the permitting and licensing of the new station and removal of the existing fueling station, a new 2,000 gallon above ground storage tank for a generator on site, bidding and award, engineering during construction, and project close out. *2009, Project Manager, Client: City of Dania Beach, Dominic F. Orlando, PE. (954) 924-3740.*

**Lift Station 15 Rehabilitation, Dania Beach, FL.** Project Manager for the rehabilitation of lift station 15. The project included complete rehab of the existing wet well, installation of two submersible chopper pumps to alleviate problems with ragging, a new valve box, control panel and a permanent stand-by emergency generator. *2009-2010, Project Manager, Client: City of Dania Beach, Dominic F. Orlando, PE. (954) 924-3740.*

**Lift Station Rehabilitation, Dania Beach, FL.** Project Manager for the rehabilitation of five lift stations within the City of Dania Beach. Three of the stations are conversions from the can-type station to a submersible lift station while the other two are pump replacements. All stations include rehabilitation of the existing wet well, installation of a valve box, new control panels, a stand-by emergency generator, fencing and landscaping. Permitting, bidding and award, engineering during construction, construction services and project close out are also included. *2009-2012, Project Engineer/Manager Client: City of Dania Beach, Dominic F. Orlando, PE. (954) 924-3740.*



## **Mohammed Sharifuzzaman, PE** *Project Manager*

### **SUMMARY OF QUALIFICATIONS**

Mr. Sharifuzzaman has more than 15 years of professional experience in civil, environmental, and transportation engineering with specialization in hydraulics and hydrologic modeling (H&H), surface water management system design, drainage basin/watershed modeling and floodplain analysis, master drainage study, conceptual/master surface water management system design, stormwater pump station design, stormwater retrofit projects, nutrient loading analysis (TMDL calculations), Stormwater Treatment Area (STA) design, FDOT roadway drainage design, and bridge hydraulics. His extensive experience includes land development projects including commercial/residential/institutional/DRI projects, roadway projects including new construction, widening and reconstruction, RRR and safety improvement projects, and PD&E study. Mr. Sharifuzzaman has worked extensively with permitting agencies including the South Florida Water Management District (SFWMD), the Florida Department of Environmental Protection (FDEP), the Florida Department of Transportation (FDOT), U.S. Army Corps of Engineers (USACE), various municipalities, and counties. His trusted reputation with the permitting agencies has produced a long list of successful and profitable projects. His extensive experience with construction, and thorough knowledge of codes and regulations as they apply to each development, is an asset for any project.

As a project manager of the engineering division at CGA, he serves as a single point of contact for clients, and is fully responsible for project activities and objectives. He reports the teams' progress, workloads, costs and schedule status, as well as any potential deviations from the project milestones, and allocates the multi-disciplinary resources to meet the deliverables. To further assure success of the projects, he provides maximum production and continuity through superior communication.

### **DEVELOPMENT, ENGINEERING, AND SITE PLAN REVIEW EXPERIENCE**

**City of Weston, Florida;** Review of Site Plans, Engineering Plans, Engineering de-sign documents for various projects in the City of Weston as part of City of Weston development & permitting review process.

**City of West Park, Florida;** Review of Site Plans, Engineering Plans, Engineering design documents for various projects in the City of West Park as part of City of West Park development & permitting review process.

**City of Sunny Isles Beach, Florida;** Review of Site Plans, Engineering Plans, Engineering design documents for various projects in the City of Sunny Isles Beach as part of City of Sunny Isles Beach development & permitting review process.

**Town of Belleair, Florida;** Review of Site Plans, Engineering Plans, Engineering design documents for various projects in the Town of Belleair as part of Town of Belleair development & permitting review process.

### **PROJECT EXPERIENCE**

**City of Oakland Park Bid Pack No. 9 Infrastructure Improvements Project, City of Oakland Park, FL;** Responsible for drainage design including Cherry Creek watershed modeling, design and permitting for proposed drainage improvements within completely built-out coral lakes subdivision of the City of Oakland Park.

**YEARS OF EXPERIENCE**

15

**YEARS WITH THE FIRM**

5

### **EDUCATION**

M.E., Civil Engineering,  
Lamar University,  
Beaumont, TX, 2000  
B.S., Civil Engineering,  
Bangladesh University of  
Engineering & Technology,  
Bangladesh, 1997

### **CERTIFICATIONS & LICENSES**

Professional Engineer  
State of Florida, No. 67640

### **PROFESSIONAL AFFILIATIONS**

Member: American Society  
of Civil Engineers, Florida  
Engineering Society,  
and National Society of  
Professional Engineers



**Flamingo Gardens Master Drainage Study & Drainage Improvements Project, Cooper City, FL:** Responsible for drainage design including watershed modeling of 135 acre master drainage system, determination of probable cause of flooding, determination of most feasible and optimum drainage improvements to minimize the potential for future flooding. The proposed drainage improvements included upsizing Lake interconnect pipes, upsizing conveyance trunk line along SW 122nd Ave and expansion of existing lake.

**City of Weston Drainage Improvements Project, City of Weston, FL:** Responsible for drainage design within completely built-out 1237 acre Bonaventure Development District, surface water modeling, design, permitting, and CEI services for drainage improvements. The project scope including modification to existing conveyance systems, exfiltration trench, new storm drainage network, and upsizing existing lake interconnect culverts.

**Davie Road Improvements Project, Broward County, FL:** Responsible for drainage design including modification of existing stormwater management system, analysis and modeling of "Basin A" of Tindall Hammock Irrigation and Soil Conservation District (THISCD), integration of Davie Road drainage system with THISCD rock pit drainage system. Project scope included widening of the existing roadway to a six lane divided roadway along with turn lanes, driveway access, and roadway intersection improvements from south SR 84 to Davie Road.

**City of Hallandale Beach SW/SE Quadrant Drainage Improvements Project,**

**City of Hallandale Beach, Florida;** Responsible for Schaffer canal drainage basin/Watershed modeling, design and permitting of innovative surface water management systems consisting of pump stations and pressurized injection wells.

**Lloyd Estates Drainage Study, City of Oakland Park, Florida;** Responsible for H&H study for the Lloyd Estates drainage basin seeking FEMA grants, conceptual design for a pump station across Sleepy River discharging into the SFWMD C-13 canal.

**Rickenbacker Causeway, Bear Cut Bridge and West Bridge Rehabilitation, Miami-Dade County, Florida;** Responsible for design and permitting for bridge superstructure drainage systems, approach roadway drainage systems, including bridge scuppers and French Drains.

**Costa Hollywood, City of Hollywood, Florida;** Responsible for design and permitting of a mixed use development in the City of Hollywood, Florida. The project scope included a parking garage, condos, hotel & retail spaces. The surface water management system includes drainage wells and exfiltration trench to serve the North and South buildings. Project scope included water and sewer main improvements along SR A1A, and Pierce Street and offsite roadway improvements.

**Oak Grove Park, Miami-Dade County, Florida;** Responsible for design of new Tennis Courts and drainage facilities including swales and conveyance system, outfall to existing lake, sidewalk improvements & maintenance access drive, environmental permitting.

**Peace Mound Park Improvements, City of Weston, Florida;** Responsible for Design of new parking lots, Three Village Road improvements, pedestrian/bike path, drainage design and environmental permitting.

**Mills Pond Park Soccer Fields, City of Fort Lauderdale, Florida;** Responsible for Design and permitting for Mills Pond Park recreational development which includes additional synthetic turf soccer fields and pervious parking areas including site drainage systems, field lighting, irrigation, and related water and wastewater infrastructure improvements.

**Nova Drive Improvements Project, Town of Davie, Broward County, FL:** Responsible for drainage design including modification of existing stormwater management system, analysis and modeling of "Basin A" of Tindall Hammock Irrigation and Soil Conservation District (THISCD), integration of Nova Drive drainage system with THISCD rock pit drainage system, integration of Nova Drive system with existing CBWCD canal systems and College Avenue Drainage System . The proposed project scope includes upgrading of the existing roadway to a four lane divided roadway along with turn lanes, driveway access, and roadway intersection improvements.



## Marcos Mendoza

### *Landscape Design*

#### SUMMARY OF QUALIFICATIONS

Mr. Mendoza directs the landscape architectural staff in all code compliance and site design issues, ensuring that Quality Control and construction documents are consistent and thorough, while meeting location-specific permit criteria. He will contribute his expertise leading and directing the production and development of construction permit plans, site detailing for constructability and irrigation design.

#### RELEVANT PROJECT EXPERIENCE

##### **Joe DiMaggio Children's Hospital Visitor's Clubhouse – Conniene's Corner; Hollywood, FL**

Developed plans and details for the design of a restorative garden with a playground area specifically for the use by children users of the Joe DiMaggio facility. Special attention was made to the creative design process branding and the selection of equipment, furnishing and site design details that accommodated for at-grade-level activities for wheelchair-bound users. The design concept for the park initiated from the checkerboard pattern of a mowed baseball field, which influenced the safety surface design and provided a colorful impact for the patients and families of this important facility.

##### **Memorial Regional Hospital Data Center; Hollywood, FL**

Developed plans and details for the relocation of vegetation and new planting associated with a data center facility along the boundary areas of the healthcare campus.

##### **Memorial West – Bed Tower Addition; Pembroke Pines, FL**

Developed plans and coordinated details for the hardscape, as well as planting and irrigation design for the major expansion of the Memorial West Hospital facilities. Design of the landscaping and irrigation around the new building addition and main entrance into the hospital, as well as all of the permitting through the City of Pembroke Pines.

##### **Joe DiMaggio Children's Hospital; Hollywood, FL**

Irrigation Designer: Designed the irrigation system for the new hospital to include both reclaimed water and portions with potable water where sensitive sterile environments are a concern. In addition, to the irrigation, the project included streetscape improvements on N. 35<sup>th</sup> Avenue, new custom bus shelters, the relocation of over 100 trees, new decorative LED light poles, and has received LEED accreditation at the gold level making it the first LEED Hospital in Broward County.

##### **Shops at Pembroke Gardens; Pembroke, FL**

Coordinated closely with architects for the siting of buildings; created site plan design to accommodate and meet parking, fire safety and circulation requirements; led all landscape and engineering design efforts to meet the experiential requirements of a lifestyle center, focused on enhancing pedestrians' experiences through ample sidewalks, site furnishing, plazas, fountains and other amenities. This popular destination has been extremely successful and future additions are planned.

YEARS OF EXPERIENCE

21

YEARS WITH THE FIRM

15

#### EDUCATION

Miami Dade Community College, Miami, Florida  
A.A. in Architecture  
Florida State University, Tallahassee, Florida



**Fire Station Plaza; Delray, FL**

Developed plans and details for a public plaza on a primary threshold into the downtown CRA area. The plaza consisted of specialty paver selections, intricate paving design pattern detailing, planting design, historical fire department plaque inserts, lighting, irrigation, and drainage design. A particular area of the site also includes a rain garden with native wetland vegetation and indigenous Cypress trees providing shade to the plaza. This plaza serves as an important gateway feature to downtown Delray Beach where walkability and bicycling is a favorite past time for its residents and visitors.



**Tammy Cook-Weedon, ASLA, RLA, LEED AP BD+C**  
*Associate, Director of Landscape Architecture*

**SUMMARY OF QUALIFICATIONS**

Ms. Cook-Weedon leads the Landscape Architectural staff with over 30 years of landscape architectural experience with demonstrated strengths in creative design that meets the sensitivity of each unique place. She leads a staff of twelve which consist of Landscape Architects, Arborist, Environmental Specialist and Inspector's.

**RELEVANT PROJECT EXPERIENCE**

**Middle Beach Recreational Corridor, Miami Beach, FL**  
**Project Manager**

**Client: City of Miami Beach** Leads a team of designers and engineers in the design, engineering, planting, and permitting of a 2-mile stretch of a 15-foot wide ocean-front hardscape pathway connecting Indian Beach Park to Allison Park. The project includes public outreach, existing vegetation assessments, grading and drainage, hardscape design, dune restoration, irrigation design, permitting with various state and local agencies, and construction administration.

**North Shore Neighborhood Improvements, Miami Beach, FL**  
**Landscape Architect**

**Client: City of Miami Beach:** Led the team's landscape architecture and engineering efforts in the implementation of the City's BODR, which included character neighborhood landscaping, signage and branding, streetscapes, parking, lighting, and ADA access.

**North Shore Open Space Master Plan**  
**Project Manager, Lead Designer, Public Outreach Facilitator**

**Client: City of Miami Beach:** Landscape Architect of Record for the development of a future 26-acre waterfront park at the City's northernmost end will create a more inviting, iconic and safe amenity, serving the City's North Shore community, which will enhance access to the waterfront and preserve large patches of natural beachfront habitat. The team will provide needed improvements including public space design, iconic elements, pedestrian entrances, multi-use spaces, pedestrian beach access, multi-use walkways, branding, lighting and open areas, art-in-public spaces, sustainability standards for development and design, while also integrating it with the surrounding neighborhood.

**Middle Beach Recreational Corridor, Miami Beach, FL**  
**Assistant Project Manager, Lead Designer, Public Outreach Facilitator**

**Client: City of Miami Beach:** Landscape Architect of Record for this 2-mile long linear multi-use trail project on State-owned lands. Oversaw the design for the planting and hardscape design for the project. Oversaw the coordination of the State and local agency permitting processes and the negotiations with the FDEP dimensional restrictions on the beach walk's width to meet the directives of the City Commissioners.

**Firestation Plaza, Delray, FL**  
**Landscape Architect**

**Client: Delray CRA:** Led a team of site designers and engineers in the development of a public plaza on a primary threshold into the downtown CRA area. The plaza consisted of specialty paver selections, intricate paving design pattern detailing, planting design, historical plaque inserts, lighting and drainage design.

**YEARS OF EXPERIENCE**  
30+

**YEARS WITH FIRM**  
20

**EDUCATION**  
B.S. Landscape Architecture,  
Texas A&M University,  
College Station, 1987

**PROFESSIONAL REGISTRATION**  
Registered Professional Landscape Architect,  
Florida No. 0001328

**PROFESSIONAL ASSOCIATIONS**  
American Society of Landscape Architects,  
Miami Section Chair, 1997-1998

Broward Section Chair,  
2003-2004

State Conference Sponsorship Chair, 2003

ASLA Executive Committee, 2004-2007

Magic of Landscapes Epcot Flower Show Board Member, 2006-2007



**Joe DiMaggio Children's Hospital Visitor's Clubhouse, Hollywood, FL**  
**Landscape Architect/Project Manager**

**Client: Memorial Healthcare System:** Responsible for the site and landscape design for a restorative garden with a playground area specifically for the use by children users of the Joe DiMaggio facility. Special attention was made to the creative design process, branding and the selection of equipment, furnishing and site design details that accommodated for at-grade-level activities for wheelchair-bound users.

**Gator Run Park, Weston, FL**

**Client: City of Weston:** Responsible for the site design and planting specifications for a 5-acre community park including lighting improvements, continuous walking paths, children's play equipment, planting and irrigation design near an elementary school. The design provided a butterfly garden and shade structures in proximity to and to build strong connections with the adjacent elementary school.

**Deering Estate at Old Cutler, Palmetto Bay, FL**

**Client: Miami-Dade County Park and Recreation Department:** Responsible for the historical restoration and landscape design of all park areas. The project included detailed archaeological planting design, habitat restoration and planting design, as well as hardscape design that was consistent with the historical character of the park.

**Sombrero Beach Park, Marathon, FL**

**Client: City of Marathon:** Responsible for the park master plan and design for the creation of a beach-front park with dune access, volleyball courts, playgrounds, beach amenities, dune and turtle nesting habitat restoration.

**Corridors Beautification Master Plan, Weston, FL**  
**Landscape Architect**

**Client: City of Weston:** Responsible for the coordination of drainage improvements and roadway design components through the development of a master plan and landscape design for planting and branding along all major thoroughfares of the city, including lighting and gateway features. This master plan set the tone for all subsequent roadway planting for the following 15 years.

**Campus Support Facility, Miami, FL**

**Landscape Architect/Project Manager**

**Client: Florida International University:** Responsible for the design of a public plaza design for passive outdoor uses, including a water feature, bronze sculpture, planting and irrigation design through careful coordination with the architectural character of the surrounding building.

**Oak Grove Park, North Miami, FL**

**Landscape Architect/Project Manager**

**Client: City of North Miami:** Designed a new site plan for two tennis courts which required the relocation of six large Oak and Gumbo Limbo trees. The design included technical specifications for the tree relocations which included one very large Oak with a 36 inch DBH and several 12-18" relocations. The scope included all the specifications for the tennis courts, adjacent walkways and construction administration services.



## James A. Hart, PE *Project Manager*

### SUMMARY OF QUALIFICATIONS

Mr. Hart is a Professional Engineer with significant experience in all major phases of equipment and system design for a wide array of process industries. He is experienced in water pollution remediation, using filtration, ozone application, UV sterilization, and thermo oxidation. Additional process experience in gas scrubbing technology (HCl, H<sub>2</sub>S, NO<sub>x</sub>, ethanol, ethylene oxide, emergency chlorine, odor control, steel pickling lines) and anaerobic digesters, filtration and evaporation. Demonstrated ability to organize work and manage major projects to meet cost and schedule deadlines. Possesses a unique blend of engineering, CAD and computer programming knowledge and experience.

### WATER AND WASTEWATER PROJECT EXPERIENCE

**WTP #3 Degasifier #3 and Odor Scrubber Addition, Palm Beach County, FL.** Replaced existing odor control system with larger unit, to accommodate increased capacity at WTP #3. System included additional H<sub>2</sub>S stripper added to two existing H<sub>2</sub>S strippers. Combined flow was fed to larger odor scrubber. An additional blower was added with the new degasifier. Ductwork modified to accommodate increased airflow to odor scrubber. Odor control system included 2 recycle pumps, piping, instrumentation, and sampling.

**Ray Bullard WRF Reuse Filter #3, City of West Melbourne, FL.** Project added a third filter, a rotating disk type that will allow one existing filter to be decommissioned. The filter controls were added into the existing SCADA system. As part of the SCADA system improvements, additional radio communications was added for future flexibility. Controls (pH, chlorine, and turbidity) were also added into the existing SCADA network.

**2 MGD WWTP Expansion, Town of Davie, FL.** Project Engineer, coordinated the process design, developed P&ID drawings, instrumentation specifications, and project specifications for \$9 million WWTP expansion.

**Water Reclamation Facility Expansion, City of Miramar, FL.** Assisted on all phases of \$14,200,000 Design/Build project for 2 MGD expansion (10.1 to 12.6 MGD) to existing facilities, including aeration, instrumentation, chlorination, and detail design. Tasks included specification writing, process review, site inspections and coordination between contractor and client for the addition of a 5th concrete Aeration Basin (approx. 250' x 28') containing eight cells, a fourth 100 ft diameter Secondary Clarifier, a third 8000 gpm Injection Well Pump with appurtenances, RAS pumping system piping modifications, Upsizing of two 200 HP Aeration Blowers to 500 HP each, the addition of a 5th 500 HP Aeration Blower, and conversion of four existing Aeration cells and One new Basin cell to Anoxic operation. Additional improvements include replacement/modernization of the existing Plant-Wide SCADA system. Modeled entire expansion in 3D that proved invaluable during construction.

**Carbonic Acid System for pH Reduction, City of Pembroke Pines, FL.** Design CO<sub>2</sub> pH reduction system for existing 12 MGD facility.

**Modify Existing CO<sub>2</sub> Gas Fed System for pH Reduction, Town of Davie, FL.** Modify existing gas facility to provide carbonic acid for pH reduction at existing 4 MGD facility.

**Air Header Replacement, Town of Davie, FL.** Design replacement air header for 1 MGD package plant.

YEARS OF EXPERIENCE  
32

YEARS WITH THE FIRM  
10

### EDUCATION

Bachelor of Chemical Engineering (Mathematics Minor), Cleveland State University, 1985

Bachelor of Science, Business Administration & Marketing, Bowling Green State University, 1978

### CERTIFICATIONS & LICENSES

Registered Professional Engineer, State of Ohio, July 1994, No. E-58285

Professional Engineer, State of Florida, No. PE- 65420, December 2006

### PROFESSIONAL AFFILIATIONS

Florida Engineering Society

Florida Institute of Consulting Engineers

National Society of Professional Engineers



**Pump House Design, City of Dania Beach, FL.** Design pump house rebuild using 3D modeling techniques. Evaluate process operating conditions to specify pump, engine, and control equipment.

**Lift Station Design, City of Oakland Park, FL.** All aspects. Review flow data. Specify pump. Design instrumentation, and controls. Add SCADA to system.

**Odor Control Study, City of Pembroke Pines, FL.** Reviewed source of odors from wastewater plant. Troubleshoot source of odors from several on-site air scrubbers. Write report summarizing odor control alternatives, optimizing odor control strategies, with associated capital and maintenance costs.

**Troubleshooting Hydraulic Flow Problem, City of Pembroke Pines, FL.** Troubleshoot flow problems for hypochlorite chemical feed process and color removal process to determine the cause of the flow problems.

### PILOT PLANT EXPERIENCE

**Advanced Water Supply Pilot Plant, City of Pembroke Pines, FL.** Develop process for Advanced Water Treatment system for aquifer recharge. Led research study of Emerging Pollutants of Concern (micro-constituents), using data to predict what chemicals will be removed, and to what degree, during treatment. Process Flow diagrams and P&I development. Design, purchase components, and fabricate a control panel to protect reverse osmosis skid from running dry, using tank level as the process variable. Pilot processes include microfiltration, reverse osmosis, and UV/AOP disinfection with emphasis on removal and treatment of Emerging Substances of Concern.

### INSTRUMENTATION AND CONTROL DESIGN EXPERIENCE

**Replace Existing PLC Control System, Town of Davie, FL.** Modernizing existing control system (20+ years old) to a modern data acquisition system (SCADA), tying together existing water and wastewater control systems at two separate locations, lift stations, interfacing with new system, to one location.

**Storm Water Controls, City of Hallandale Beach, FL.** Designed storm water PLC-based control system for 96,000 GPM stormwater injection well disposal system. System consisted of 2 pump stations, feeding 16 drainage wells. Data is coordinated with SFWMD, and will become the prototype for future drainage projects. SCADA connectivity and historian, data analysis. Project Cost: \$484,000.

**SCADA Upgrade, City of Weston, FL.** Review existing SCADA operations, prepare report of existing equipment and operations, and make recommendations for corrections to failing systems.

**SCADA Upgrade, City of Ft. Lauderdale, FL.** Upgrade existing SCADA operations for Lift Stations D-41 and B-10.

**SCADA Controls, City of Dania Beach, FL.** Develop plans and specifications for pump station SCADA system. Detail the operations and interfacing of pumps, level controls, and data storage and reporting.

**SCADA Control Repair, Town of Mangonia Park, FL.** Replace damaged water well remote control signal wire with radio SCADA system.

**Add SCADA to Lift Station, City of Oakland Park, FL.** Add SCADA to existing Lift Station to communicate with existing city system.

**SCADA Addition, Town of Surfside, FL.** Added SCADA data gathering capabilities to pump stations for monthly reporting to government agencies. Develop sewage pump station Peak Hourly Flow reporting as part of DERM reporting request, using SCADA to interface with Web-based storage and reporting package.



### **STORMWATER SYSTEM EXPERIENCE**

**Lloyd Estates Drainage Improvements, City of Oakland Park, FL.** Project is to add a new storm water pump and control station to the Lloyd Estates area of Oakland Park, which has experienced flooding. The system will alleviate the flooding through a combination of a gate structure and pumps. The system is designed to be proactive, engaging before the flood waters actually appear. It is part of a larger project that enhances and beautifies the location of the stormwater control station. As part of the reporting, the site communicates with SFWMD on their radio network, and is the prototype for all future SFWMD stormwater projects.

### **RICE NESHAP EXPERIENCE**

**RICE NESAP GENERATOR RETROFIT, Palm Beach County, FL.** Convert existing generators by retrofitting catalytic converters onto existing diesel engines for FPL Peak Shaving Program. Develop Plans and Specifications, design work, drawing development, engine performance testing.

### **EPA CERTIFICATION PLAN REVIEW EXPERIENCE**

**Plan Certification (Greenwave Biodiesel)** Review process and design plans for EPA Biodiesel Certification.

### **NPDES REPORTING EXPERIENCE**

**Annual Report Preparation, Town of Surfside, FL.** Provide guidance and support services for annual NPDES reporting.

### **SSES REPORTING EXPERIENCE**

**Sanitary Sewer Evaluation Study, Town of Surfside, FL.** Perform EPA required study to determine sewer compliance. Analyze operating data, write report, and test compliance.

### **GENERAL ENGINEERING SERVICES**

- Town of Davie
- Town of Surfside
- City of Pembroke Pines



## Robert W. Roush, PE

### Senior Project Manager

#### SUMMARY OF QUALIFICATIONS

Mr. Roush has been providing electrical engineering services for over 43 years. His experience includes project management, marketing, quality control, and design and quality assurance of electrical systems for commercial, industrial, institutional, communication and transportation facilities. The broad range of projects he has designed provides a knowledge and understanding of codes and regulations essential to the successful development of projects.

In the capacity of Director of Electrical Engineering at CGA, his main role is the support for Engineering, including the Municipal Division, Utilities Division, Land Development Division, Landscape Architecture, Planning, Transportation, Construction, West Palm Beach office, and he is the single point of contact for prime electrical projects for which he is fully responsible for project activities and objectives. He develops the electrical engineering budget, and reports the division progress, milestones, workloads, project costs, and schedule status. Mr. Roush is responsible for quality assurance during the design phase and quality control at periodic reviews. During construction he performs periodic observation, final inspection including generator testing, and certification of electrical systems.

#### PROJECT EXPERIENCE

**Project Administrator/Director;** An energy conservation project, the design of lighting improvements and service conversions at the facilities of the **South Broward Drainage District, Southwest Ranches, FL**. Provided the design of energy efficient LED access roadway lighting and parking lot lighting; supplementary lighting for maintenance bays; and conversion of overhead electric services to underground services for the main office and maintenance buildings.

**Project Engineer/Director; Expansion of the City of Miramar Wastewater Reclamation Facility, Miramar, FL.** Provided the electrical engineering design for the addition of an aeration basin, including lighting, lightning protection, and the addition of mixers to the new and existing basins; a new clarifier; conversion of two 200 HP blowers to 500 HP units and the addition of one 500 HP blower, each with a freestanding soft starter and control panel.

**Project Engineer/Director;** Energy conservation project and expansion of the **City of Pembroke Pines Water Treatment Plant, Pembroke Pines, FL**. Provided the electrical engineering design for the addition of a new clarifier, a new filter, replacement of the control panel for the lime slaker system; provided high service pumps, one of which was increased from 100 HP to 200 HP; doubled the capacity of the Ion Exchange System, replaced two 1000 kW diesel generators with auxiliaries; added two new motor control centers each with AccuSine filter.

**Project Engineer/Director:** Rehabilitation and Conversion of Broward Drainage District Storm water Pumping Stations 1 and 2 from Electric Driven Pumps to Diesel Driven Pumps. Provided electrical design for the new pumping stations served by normal utility power and diesel standby power with automatic transfer switch.

YEARS OF  
EXPERIENCE

46

YEARS WITH THE FIRM

10

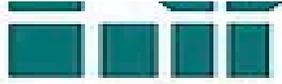
EDUCATION

B.S. in Electrical  
Engineering, Oklahoma A &  
M College (Oklahoma State  
University), 1957

PROFESSIONAL  
REGISTRATION

Professional Engineer,  
State of Oklahoma,  
License No. 8692, 1971

State of Florida,  
License No. 20957, 1974



**LAKDAS/YOHALEM  
ENGINEERING, INC.**

**EDUCATION:**

Post Graduate Diploma in Structural Engineering  
England, United Kingdom

Bachelor of Science Honors Degree in Civil Engineering  
With Structural Engineer Major  
University of Hartford  
England, United Kingdom

Higher National Certificate in Civil Engineering  
Hertfordshire College of Building  
England, United Kingdom

**PROFESSIONAL ENGINEER REGISTRATIONS:**

- Chartered Structural Engineering  
London, England – 1981
- Florida #037590
- South Dakota - 4058
- Minnesota - #17947
- Certified Structural Masonry Inspector – 1992
- Certified General Contractor – CGC 044303
- Certified Threshold Inspector – 1987
- Certified Uniform Building Code Inspector - 690

Structural Engineering Expert for Unsafe Structure Board – City of Margate since “2001”.

Structural expert witness services over 400 residential projects for Insurance companies, over 58 projects failure analysis and Expert testimony for litigation representation.

**EMPLOYMENT:**

1987 to present Lakdas / Yohalem Engineering, Inc  
Fort Lauderdale, FL 33308

Principal - in charge of structural design and final review of construction documents

1986 - 87 Yohalem Engineering, Inc.  
Fort Lauderdale, FL 33308

Principal Associate - structural design, site supervision,  
Structural Investigation and reports, liaise with Architects and General  
Contractors.

1984- 86 Darg Palanasami and Associates, Inc.  
Minneapolis, MN

Project Engineer - Structural design, site supervision, structural investigations and reports, liaise  
with Architects and General Contractors

1978-84 Structural Design Partnership  
St. Albans, England

Project Engineer - Structural design, site supervision, structural investigations and reports, liaise  
with Architects and General Contractors

**AWARDS:**

- *Tamarac City Complex: National Award*
- *Aventura City Complex: State Award*
- *City of Pompano Waste Water Re-Use Facility: State Award*
- *Tamarac Pedestrian Bridge: State Award*
- *2011 Tilt-Up Achievement Award – Tilt-Up Concrete Association*

**PATENT LICENSE TO INDUSTRY:**

- *Metal stud frame system # US 6980 347 B2*
- *Interlocking masonry wall # US 6550 208 B2*
- *Light gauge metal frame # US 6163 674 B1*



**EXPERIENCE:**

Thirty-two years of practicing as a Professional Structural Engineer in the following disciplines: building structures, marine and bridge engineering structures for many state, county and city agencies in support of high visible and miscellaneous public projects.

Over 1200 projects were completed in South Florida and the Caribbean Basin during the last 24 years.

**Building Projects:**

- ❖ 8 new stand alone multi-story parking garages
- ❖ 11 multi-story residential buildings with parking garages
- ❖ 6 multi-story commercial buildings with parking garages
- ❖ 11 cruise terminal facilities
- ❖ 6 high schools, 8 middle schools and 14 elementary schools
- ❖ 11 community college building facilities, 6 special education facilities
- ❖ 18 multi-story hotels and resort projects
- ❖ Structural renovations of 11 parking garages, 21 condominiums
- ❖ 8 new libraries, 8 auditorium and amphitheater
- ❖ 14 new fire stations, 7 police and public safety buildings

**Water and Waste Water Treatment and Solid Waste Treatment Plants:**

- ❖ 12 water and waste water treatment plants expansion projects
- ❖ 6 solid waste treatment plant renovation and expansion projects
- ❖ 14 water and waste water treatment plant renovation projects

**Marinas, Seawalls and Port Facilities:**

- ❖ 7 Marinas (Over 100 Slips)
- ❖ 64 Residential, multi-residential, docks and seawalls
- ❖ 8 Toewalls, bulkhead and pier projects

**Highway Pedestrian Bridges:**

- ❖ 18 new highway bridges   ❖ 11 pedestrian bridges   ❖ 12 passenger loading bridges
- ❖ 16 high-way bridge expansion projects

**Park Facilities:**

- ❖ 18 park and amusement park facilities

**Mast Arm Structures:**

- ❖ 400 Mast Arm Structures

**Value Engineering:**

Participated as structural expert for over 31 value-engineering sessions for both FDOT and County's major projects in building, bridges and water and wastewater treatment plants. Our Value-Engineering service has saved:

- Bridge projects over \$4.5 million
- Building projects, saved over \$4.1 million
- Water & Wastewater Treatment Plants, saved over \$6.6 million

**Structural Failure Analysis and Expert Witness: Construction Related Litigation**

- 12 Commercial projects   ❖ 46 Residential projects

**Professional Societies:**

*Institute of Structural Engineers, London, England*  
*American Society of Civil Engineers, American Concrete Institute*  
*Florida Institute of Consulting Engineers, The Masonry Society*

**Civic Organizations:**

*Member of Broward County Construction Executive Association and Member of Florida Consulting Engineers*



# ***LANGAN***

## Vincent D. Yarina, PG, CEM

**Principal/Vice President  
Environmental Assessment, Water Resource Management**



### 27 years in the industry ~ 20 years with Langan

Mr. Yarina has 27 years of environmental and geological consulting experience in the eastern United States, Nevada, California, and abroad. Mr. Yarina is a Senior Associate and Vice President in the Miami office and leads Langan's environmental practice in Florida. His practice includes a national client base that includes Fortune 500 companies, land developers, financial institutions, attorneys, and institutional investors. Mr. Yarina has extensive knowledge working with regulatory agencies in Florida, Georgia, Nevada and California on issues ranging from tank closures to site assessments to remedial actions.

Mr. Yarina's environmental consulting experience includes performing numerous Phase I and Phase II Environmental Site Assessments and groundwater impact studies, development of remedial investigation plans, implementation of remedial plans, well and boring installation, groundwater and soil sampling, construction dewatering, regulatory permitting, and performing and analyzing aquifer pump test data using MODFLOW and other computer modeling software.

Mr. Yarina has presented on the subject of Phase I ESAs, All Appropriate Inquiry, and environmental due diligence at the Florida Chamber of Commerce's Semi-Annual Environmental Permitting Conferences, the Florida Brownfield Association's Annual Conference, the Environmental Bankers Association and RTM.

### Selected Projects

- 10875 SW 7th Terrace, Miami, FL
- 1113 Meridian, Miami Beach, FL
- 1155 Collins Avenue, Miami Beach, FL
- 135 Ocean Boulevard, Golden Beach, FL
- 13th Floor Portfolio, Hillsboro Beach, FL
- 1542 S. Dixie Highway, Miami, FL
- 16800 Collins Avenue, Sunny Isles Beach, FL
- 17th Street Marriott, Miami Beach, FL
- 199 NW20thSt.Miami-Environmental Consult, Miami, FL
- 200 East Las Olas, Fort Lauderdale, FL
- 2020 Salzedo, Coral Gables, FL
- 21 SE 9th Street, Miami, FL
- 212 NE 23rd Street, Miami, FL
- 2335 and 2337 Route 33, Robbinsville, NJ
- 2401 Penn, Washington, DC
- 250 Bowery Street, New York, NY
- 30 Royal Palm Way, Boca Raton, FL
- 300 Jackson Ave. Downingtown, PA
- 317 Ocean Blvd., Golden Beach, FL
- 4000 S. Ocean Blvd, Hollywood, FL

### Education

M.Sc., Engineering Geology, 1998  
Drexel University

B.S., Earth Science (Geosciences),  
1992, Pennsylvania State University

### Professional Registration

Registered Professional Geologist in  
Pennsylvania (PG-03260-E) and Florida  
(PG0002077)

Certified Environmental Manager in  
Nevada (CEM No. 2104)

40-hour OSHA Health and Safety  
Training Certificate

INSTEP Licensed Environmental  
Professional (LEP No. 73)

### Office Locations

Miami

Fort Lauderdale

Tampa

## Vincent Yarina, PG, CEM

---

- 444 Brickell Avenue - Soil Investigation, Miami, FL
- 4th St NE 3rd Ave Fort Lauderdale, FL
- 5 Parcels, Delray Beach, FL
- 500 Acre Parcel, Tomahawk, FL
- 550 Biltmore, Coral Gables, FL
- 5958 South Dixie Highway , Miami, FL
- 636 Pierce Street, Somerset, NJ
- 700 NE 23rd Street, Miami, FL
- 7350 Biscayne Blvd, Miami, FL
- 77 Water Street, New York, NY
- Academy Bus - West Palm Beach, FL
- AJS Investments, Inc., Duluth, GA
- AMX III – Aventura Mall Expansion, Miami, FL
- Art Center South Florida, Miami Beach, FL
- Assisted Living Portfolio, Woodbury, NJ
- Atlanta NSP – Atlanta, GA
- Aventura Waterways, Miami, FL
- Bayway Apartments, Saint Petersburg, FL
- Beachway Apartments, North Miami, FL
- Bel Air at Doral Soil Investigation, Miami, FL
- Blakely Land Management, Inc., Spanish Fort, AL
- Boca Lofts, Boca Raton, FL
- Born Free Pet Shelter, Miami, FL
- Brandon Woods II, Curtis Bay, MD
- Brickell 13, Miami, FL
- Brickell Heights, Miami, FL
- Broadstone Cypress Hammocks, Coconut Creek, FL
- Broward County Courthouse, Fort Lauderdale, FL
- Calder Race Course, Miami Gardens, FL
- Capital at Brickell, Miami, FL
- Casa Costa Condominium Building, Boynton Beach, FL
- Centergate at Gratigny, Hialeah, FL
- Citgo Delray Beach, Delray Beach, FL
- Coast Plating, Gardena and Carson, CA
- Coco Farms, Miami, FL
- Commercial Bldg-3946 North Miami Avenue, Miami, FL
- Crystal Riviyera Apartments, Fort Lauderdale, FL
- Cutler Plantation former FPL Plant, Miami, FL
- Cypress Hammocks, Coconut Creek, FL
- Dardi, West Palm Beach, FL
- Diplomat GC Engineering Services, Hallandale Beach, FL
- Diplomat Sites Due Diligence Services, Hollywood, FL
- Doral Muck Characterization, Miami, FL
- Doral View Property, Doral, FL
- Downtown Dadeland Retail, Kendall, FL
- Dulles Corner Gateway, Herndon, VA
- Eagle Rock Self Storage, Roseland, NJ
- Elan 1640 (Paseo Del Mar), Fort Lauderdale, FL
- Espacio Miami, Miami, FL
- Espirito Santo Plaza, Miami, FL
- Fairfield Inn & Suites, Fort Lauderdale, FL
- Fashion Mall, Fort Lauderdale, FL
- FBO - Opa Locka Airport, FL
- Five Story Parking Garage, Miami, FL
- Flagler Station Muck Characterization, Doral, FL
- Florida Silica & Sand Company, Miami, FL

## Vincent Yarina, PG, CEM

---

- Fontainebleau Casino, Las Vegas, NV
- Fontainebleau Resort, Miami Beach, FL
- Former Hector Millan Parcel , Hialeah, FL
- Former Hi Tech Cleaners, Cape Coral, FL
- Former MacArthur Dairy Site, Miami, FL
- Former Occidental Research Corporation Facility, LaVerne, CA
- Fontainebleau Casino - NPDES Monitoring, Las Vegas, NV
- German Hill/Towns Center Shop. Center, Dundalk, MD
- Graceland Set Film Studio, Hollywood, FL
- GRT Hallandale Consulting Services, Hallandale, FL
- Hard Rock Stadium Renovation, Miami Gardens, FL
- Hard Rock Stadium, Miami Gardens, FL
- Hilton Bentley, Miami Beach, FL
- Homestead Police - New Station Building, Homestead, FL
- Homestead Stadium Office, Homestead, FL
- ICON Regulatory Options Evaluation, Hollywood, FL
- Ina Business, Tuscon, AZ
- Independence Square Holdings Property, Atlanta, GA
- Indian Creek Country Club, Indian Creek Village, FL
- International Investments, Miami, FL
- Iron Lion Fitness, West Palm Beach, FL
- Island Gardens, Miami, FL
- Lake Worth Polo, Lake Worth, FL
- Landmark at Doral, Miami, FL
- Lennox Hotel, Miami Beach, FL
- Lopefra Corp Lakefill, Miami, FL
- LUMA at Miami Worldcenter, Miami, FL
- M&G, Miami, FL
- Marlins Ballpark, Miami, FL
- Maxmillion Alabama, LLC, Muscle Shoals, AL
- Mayor Roscoe Warren Park, Homestead, FL
- MC Properties, Miami, FL
- McDonalds One Plantation Place, Plantation, FL
- Mega Yacht Marina, Miami Beach, FL
- Mercato, Naples, FL
- Miami Science Museum, Miami, FL
- Miami VA Medical Center, Miami, FL
- Millennium, Hollywood, CA
- Miramar Commons, Miramar, FL
- Mizner Lakes Apartments, West Palm Beach, FL
- Morgans Point, Bermuda
- Multiple Best Storage Facilities, Fort Lauderdale, FL
- New Atlanta Falcons Stadium, Atlanta, GA
- New Atlanta Stadium, Atlanta, GA
- New Broward County Courthouse, Fort Lauderdale, FL
- NMB Property, North Miami Beach, FL
- Northern Trust Building, Aventura, FL
- Oceanside, Pompano Beach, FL
- One County Road Warehouse, Secaucus, NJ
- One Plantation Place, Plantation, FL
- Orr Motors of Dallas, TX
- Palm Beach Aggregates, Palm Beach County, FL
- Palm Meadows Estates, Boynton Beach, FL
- Palmetto Promenade, Boca Raton, FL
- Paraiso Bay, Miami, FL

## Vincent Yarina, PG, CEM

---

- Paraiso One Due Diligence Services, Miami, FL
- Parcel 5 Interim Source Removal, Miami, FL
- Parco Mare RAR, Dania Beach, FL
- Parksquare at Aventura, Miami, FL
- Paseo del Mar/Auto Toy Store, Fort Lauderdale, FL
- Pembroke Power Station, Pembroke, Bermuda
- Proposed Family Dollar Store, Homestead, FL
- Prudential Real Estate Investors, Various locations throughout the United States
- RedSky Capital, Miami, FL
- Rialto Capital Advisors, Various locations throughout the United States
- Rialto Capital Portfolio, Alpharetta, GA
- Ric-Man Construction v. Lopefra Corp., Miami, FL  
55 Bank Street, White Plains, NY
- River Landing RAR, Miami, FL
- Riverfront Parcel 7, Miami, FL
- RR Doral View Internal Audit, Miami, FL
- Ryder Transportation Services, Various locations throughout FL
- Ryder, Miami, FL
- Sarasota Rosemary Site, Sarasota, FL
- Sawgrass Lake Restoration, Saint Petersburg, FL
- Saxon Land Development, Millbrook, AL
- Morgan's Point Specialist Remediation, Bermuda
- Shalimar at Davie, Davie, FL
- Sheyes of Miami Learning Center, Miami, FL
- Shops at Sunset Lakes, Miramar, FL
- Somerset Corporate Center I, IV, V, Bridgewater, NJ
- SunCap West Palm Beach, FL
- Sunny Isles Water Tank, North Miami Beach, FL
- Tanglewood, North Miami Beach, FL
- Tecnoglass, Miami, FL
- The Allegro at Boynton Beach, FL
- The Fields at Alcovy Mountain, Monroe, GA
- The Landings at Cypress Meadows, Tampa, FL
- The Landings, Hollywood, FL
- The Launch at Hingham Shipyard, Hingham, MA
- Transal Corporate Park, Miami, FL
- US EPA Brownfield Assessment and Cleanup Grants, Cocoa, FL
- Veranda II Property, Fort Lauderdale, FL
- Versailles Hotel Demolition, Miami Beach, FL
- Village of Key Biscayne, Key Biscayne, FL
- Waynesboro Self-Storage Parcels, Waynesboro, GA

## Michael L. Spievack, PE

Senior Project Manager  
Environmental Assessment and Remediation



### 15 years in the industry ~ 2 years with Langan

Mr. Spievack is a senior project manager and professional engineer with experience working for various private, governmental, industrial, petroleum pipeline and petroleum distribution clients throughout the United States. He has extensive experience in environmental assessments; corrective action plans, pilot studies, soil vapor extraction, biological treatment, in-situ chemical oxidation, in-situ chemical reduction, air sparging, groundwater recovery, operation and maintenance, soil management, construction dewatering and SPCC plans. His responsibilities include managing environmental assessment and remediation projects, and construction and environmental oversight. Mr. Spievack's experience includes responsibility for the preparation or implementation of the below activities at commercial and industrial properties, distribution terminals, and chemical plants/refineries.

### Selected Projects

- Broward County Convention Center Hotel – Environmental Assessment Fort Lauderdale, FL
- Palomar Hotel - Arsenic Assessment and NFAC, Miami Beach, FL
- Aventura Park Square - Soil Management & NFAC Services, Aventura, FL
- MIA Building 2072 - Groundwater Monitoring & NFAC Services, Miami, FL
- Proposed Family Dollar Store - NFAC Services, Homestead, FL
- Ryder LC0146 - NFAC Services, Miami, FL
- Former Biscayne Institute - Engineering Control and NFAC Services, Aventura, FL
- RR Doral View 2 - ECP/SMP/NFAC Support, Doral, FL
- Carrie Meek Industrial Park - CAP, SMP, Air Monitoring, HASP, NFAC Services, Opa Locka, FL
- Hyde Beach House - Soil Management, Air Monitoring, NFAC Services, Hollywood, FL
- Colonial Drive Park - CAP Implementation, Arsenic Source Removal, Miami, FL
- Saga Bay - Corrective Action Planning, Miami, FL
- Baptist Health Services - Remediation Estimating and NFAC Services, Miami, FL
- FIU Property - Corrective Action Planning, Miami, FL
- Gilberts Resort Marina – Remedial Cost Development, Key Largo, FL
- Las Olas Walk - Interim Source Removal, Fort Lauderdale, FL Beach, FL
- Philips and Bowden Site – Corrective Action Planning Jacksonville, FL
- French Quality Cleaners - Chlorinated Solvent Assessment, Opa-Locka, FL
- Monroe County Landfill - Groundwater Monitoring, Cudjoe Key, FL
- AJs Express – Petroleum Hydrocarbon Assessment, Hollywood, FL
- Aventura Mall Expansion - Assessment and Dewatering Services, Aventura, FL

### Education

M.Sc., Industrial & Systems Engineering  
Georgia Institute of Technology

B.Sc., Environmental Engineering  
University of Florida

### Professional Registration

Professional Engineer (PE) in FL, SC, TN, TX, AL, AZ, AR, GA, LA, MS, NC, OK

### Training

DOT Hazmat

Loss Prevention System (LPS)

OSHA 40 HAZWOPER – initial, refresher, and supervisor

RCRA Hazardous Waste

Spill Prevention, Control, and Countermeasures

State-specific air permitting

### Affiliations

National Institute of Storage Tank Management

South Florida Manufacturers Association

Southern Gas Association

## Michael L. Spievack, PE

---

- Blanchard Machinery – Petroleum Hydrocarbon Assessment, North Miami, FL
- Former Teco Mixed-Use Development – Environmental Services, Miami, FL
- Keystone Commercial Center – Assessment and NFAC Services, Miami, FL
- Mayor Roscoe Warren Park – Groundwater Monitoring, Homestead, FL
- Turnberry Isle Resort – Dewatering, Miami, FL
- Expansion to The Raleigh Hotel – Dewatering Services, Miami Beach, FL
- 1212 Lincoln Road – Dewatering Permitting Assistance, Miami Beach, FL
- 151 at Biscayne – Methane Mitigation Services, North Miami Beach, FL
- Ryder LC#214 – Methane Mitigation System O&M, Miami, FL
- City of Miami Maintenance Operations Facilities – Phase I ESA, Miami, FL
- Collins Park Garage – Phase I ESA, Miami
- P13 Garage – Phase I ESA, Miami Beach, FL
- P16 Garage – Phase I ESA, Miami Beach, FL
- Surface Lot P55 - Phase I ESA, Miami Beach, FL
- Woodfield City Hall – Phase I ESA, West Palm Beach, FL
- American Airlines MIA – Wastewater Release Assessment, Miami, FL
- American Airlines MIA – SPCC, Miami, FL
- American Airlines TPA – SPCC, Tampa, FL
- Hoerbiger – SPCC Services, Pompano Beach, FL
- JL Audio – Air Compliance Services, Hollywood, FL
- River Bend Marina – Air Permitting, Fort Lauderdale, FL
- River Bend Marina – Dredged Material Management, Fort Lauderdale, FL
- Stimpson Company – SPCC, Industrial Permitting AST Removal, Pompano Beach, FL
- Telemundo Center – SPCC, Miami, FL

## Roger Simon

**Geologist**  
**Environmental Assessment**



### 11 years in the industry ~ 7 years with Langan

Mr. Simon has more than 11 years of experience in performing and evaluating Phase I and Phase II Environmental Site Assessments (ESAs), soil, air, and groundwater monitoring and remediation, well installation and abandonment, landfill gas (LFG) monitoring, petroleum storage system assessment and closure, soil classification techniques, subsurface characterization, and preparation of technical reports for compliance and land development.

### Selected Projects

- 1113 Meridian, Miami Beach, FL
- 1155 Collins Avenue, Miami Beach, FL
- 21 SE 9th Street, Miami, FL
- 212 NE 23rd Street, Miami, FL
- 3651 NW 79th Avenue, Miami, FL
- 4000 S. Ocean Blvd., Hollywood, FL
- 4205 Westinghouse Commons Drive, Charlotte, NC
- 444 Brickell Avenue, Miami, FL
- 4th St NE 3rd Ave Fort Lauderdale, FL
- 550 Biltmore, Coral Gables, FL
- 7350 Biscayne Blvd, Miami, FL
- Academy Bus, Jacksonville, FL
- Academy Bus, West Palm Beach, FL
- AMX III – Aventura Mall Expansion, Miami, FL
- Beacon County-line Development (Former Peerless C&D Landfill), Hialeah, FL
- Bel Air at Doral Soil Investigation, Miami, FL
- Biscayne Landing, North Miami, FL
- Boca Lofts, Boca Raton, FL
- Boeing North America, Tahoma, WA
- Brickell Flatiron, Miami, FL
- Brickell Heights, Miami, FL
- Calder Race Course, Miami Gardens, FL
- Capital at Brickell, Miami, FL
- Clubhouse Stockpile Testing, Parkland, FL
- Coco Farms, Miami, FL
- Community Asphalt Company – OHL, Miami International Airport, Miami, FL
- Community Asphalt, Condotte America and DMG Properties, Miami, FL
- Diplomat Sites Due Diligence Services, Hollywood, FL
- Doral Muck Characterization, Miami, FL
- Doral View Property, Doral, FL
- Environmental Cleanup, Compliance and Related Services for Miami-Dade County Facilities, Various Sites, Miami, FL

### Education

B.S. Geophysical Science  
University of Chicago

### Professional Registration

40-hour OSHA Hazardous Waste Operations and Emergency Response Certificate

NIOSH 582 Microscopy

## Roger Simon

---

- Espacio, Miami, FL
- Espirito Santo Plaza, Miami, FL
- Fern Isle Park Groundwater Monitoring
- Five Story Parking Garage, Miami, FL
- Florida Power & Light, Miami-Dade County, FL
- Florida Silica & Sand Company, Miami, FL
- Former Hi Tech Cleaners, Cape Coral FL
- Former MacArthur Dairy Site, Miami, FL
- Former McArthur Dairy, Miami, FL
- Gravity Sewer Interceptors, Miami, FL
- Hallandale Well Sampling, Hallandale, FL
- ICON Regulatory Options Evaluation, Hollywood, FL
- Indian Creek Country Club, Indian Creek Village, FL
- LAN Cargo, Miami, FL
- Landmark at Doral, Doral, FL
- Landmark Well Sampling, Doral, FL
- LCS Facilities Due Diligence, Uniontown, AL
- Lopefra Corp Lakefill, Miami, FL
- LUMA at Miami Worldcenter, Miami, FL
- Met 3, Metropolitan Miami Development, Miami, FL
- Met, Miami, FL
- Miami Airport Intermodal Corridor (MIC), Metrorail Extension Project, Miami, FL
- Multiple Best Storage Facilities, Fort Lauderdale, FL
- New Atlanta Stadium, Atlanta, GA
- One Brickell City Centre, Miami, FL
- Orr Motors of Dallas, Dallas, TX
- Palm Meadows Estates, Boynton Beach, FL
- Palmetto Promenade, Boca Raton, FL
- Paraiso Bay, Miami, FL
- Parco Mare RAR, Dania Beach, FL
- Parksquare at Aventura, Miami, FL
- Penland Farms Tract, Social Circle, FL
- Petroleum Storage System Closure, Miami-Dade Aviation Department, Miami, FL
- Port of Miami Tunnel Project, Miami, FL
- River Landing RAR, Miami, FL
- Riverfront Parcel 7, Miami, FL
- RR Doral View Internal Audit, Miami, FL
- Ryder, Miami, FL
- Sarasota Rosemary Site, Sarasota, FL
- The Heritage at Boca Raton, Boca Raton, FL
- Stephens Property, Pensacola, FL
- SunCap Homestead, FL
- SWPPP – Miami, FL
- Tanglewood, North Maimi, FL
- Tecnoglass, Miami, FL
- The Collection Residences, Miami, FL
- The Preserve at Camp Valley, Riverdale, GA
- Towncenter Aventura, Miami, FL
- Waynesboro Self-Storage Parcels, Waynesboro, GA

## 8. PAST PERFORMANCE - REFERENCE



**REFERENCE CHECK FORM**

<b>RFP # FY 2017-2018-010 CONSTRUCTION ADMINISTRATION AND ENGINEERING INSPECTION SERVICES FEMA GRANT SW DRAINAGE PROJECT</b>	
PROPOSING FIRM'S NAME(S) : Calvin, Giordano & Associates, Inc.	
<b>PROJECT NAME:</b> Lloyd Estates Residential and Industrial Improvements	
<b>WAS THIS A FEMA DRAINAGE PROJECT:</b> Yes	
<b>NAME OF FIRM THAT WAS AWARDED THE AGREEMENT FOR THE PROJECT:</b> Calvin, Giordano & Associates, Inc.	
<b>NAME ALL THE FIRMS THAT WERE SUBCONTRACTORS TO THE PROJECT AND PROVIDED SERVICES:</b> Lakdas / Yohalem Engineering, Inc. - Structural Design & Services During Construction	

<b>Name of reference:</b>	Albert Carbon	<b>Phone:</b>	(954) 630-4458
<b>Title of reference:</b>	Public Works Director	<b>E-mail Address:</b>	albertc@oaklandparkfl.gov
<b>Company/Employer:</b>	City of Oakland Park		

Please answer the following questions regarding services provided by the proposer named above.

1. Provide detail information of the specific services the Firm provided for your Project.
Project design, Engineer of Record and construction inspection.



2. Provide detail information about the level of commitment of the Firm to your project. Did the Firm devote the time, and personnel necessary to successfully complete the organization's needs?

CGA fully committed the resources through to the completion of the project.

3. Provide detail information about the competence, accessibility, and responsiveness of the Firm's personnel supervising and performing the work on the project.

CGA completed the design and construction management that exceeded industry standards.

4. Provide detail information about the Firm's response time as required by your Agreement. Where there ever any issues and why?

CGA was fully responsive to the City's request and there was not an issue regarding their compliance with their services agreement.



5. Provide detail information about the Firm's success at minimizing any issues.

CGA responded to the needs of the City.

6. How would you rate the Firm's overall work throughout the years on the Contract?

8 out of 10. Good to Very Good

**ADDITIONAL COMMENTS:**


SIGNATURE: Albert C. Cole Date: 5.17.18.

**REFERENCE CHECK FORM**

<b>RFP # FY 2017-2018-010 CONSTRUCTION ADMINISTRATION AND ENGINEERING INSPECTION SERVICES FEMA GRANT SW DRAINAGE PROJECT</b>
<b>PROPOSING FIRM'S NAME(S) :</b> Calvin, Giordano & Associates, Inc
<b>PROJECT NAME:</b> Hallandale Beach NE Quadrant Drainage Improvements
<b>WAS THIS A FEMA DRAINAGE PROJECT:</b> Yes
<b>NAME OF FIRM THAT WAS AWARDED THE AGREEMENT FOR THE PROJECT:</b> Calvin, Giordano & Associates, Inc
<b>NAME ALL THE FIRMS THAT WERE SUBCONTRACTORS TO THE PROJECT AND PROVIDED SERVICES:</b> Lakdas / Yohalem Engineering, Inc. - Structural Design & Services During Construction Langan Engineering and Environmental Services, Inc. - Geophysical & Hydrogeologic Services Nutting Engineers of Florida, Inc. - Geotechnical Exploration Services

<b>Name of reference:</b>	Mariana Pitiriciu, PE	<b>Phone:</b>	Office: (954) 359-6273 Mobile: 954-895-9944
<b>Title of reference:</b>	Former Assistant Public Works Director/ City Engineer;	<b>E-mail Address:</b>	<a href="mailto:mpitiriciu@broward.org">mpitiriciu@broward.org</a> mpitiriciu@yahoo.com
<b>Company/Employer:</b>	Formerly w/ City of Hallandale Beach; Current: Broward County Aviation-Airport Development/Capital Improvement Office		

Please answer the following questions regarding services provided by the proposer named above.

1. Provide detail information of the specific services the Firm provided for your Project.
Calvin, Giordano & Associates, Inc. (CGA) first provided a drainage study for the approximately 170 acres of the NE quadrant of the City of Hallandale Beach. Based on this study, CGA provided design, permitting, preparation of construction documents, bidding assistance, construction administration, construction inspection, and contract close-out services including all associated FEMA Grant submittal coordination. engineering during construction for the proposed drainage improvements. Design services included storm force main, pump station, injection well, instrumentation & controls, electrical, engineering permitting, and construction services for the City of Hallandale Beach project.



2. Provide detail information about the level of commitment of the Firm to your project. Did the Firm devote the time, and personnel necessary to successfully complete the organization's needs?

CGA provided appropriate commitment to the project with quality personnel necessary to successfully complete the construction of the NE Quadrant Drainage Improvements project. All City and/or FEMA deadlines during the design/construction phases were met and completed in a professional manner.

3. Provide detail information about the competence, accessibility, and responsiveness of the Firm's personnel supervising and performing the work on the project.

CGA's staff was very helpful and provided appropriate insight and supervision for this project. Their competence and experience in drainage improvements engineering during construction puts them at the fore front of candidates for similar type projects in the future. Based on the scope included in the services during construction contract, both accessibility and responsiveness were never an issue.

4. Provide detail information about the Firm's response time as required by your Agreement. Where there ever any issues and why?

CGA's staff was able to respond to the Contractor and/or City staff initiated questions in a timely and professional manner. There were no issues that came up due to the firm's timely responsiveness as required by the City's Agreement.



5. Provide detail information about the Firm's success at minimizing any issues.

During the construction phase of the NE Quadrant Drainage Improvements project, no issues were exacerbated by CGA. All issues and/or questions that came up were quickly and successfully addressed by this firm.

6. How would you rate the Firm's overall work throughout the years on the Contract?

Calvin, Giordano & Associates, Inc. is a strong candidate to provide services during construction and deserves serious consideration as a consultant for these services. Their previous experience in the construction administration/inspection phases of this project makes them the most qualified firm which understands the complexity for the overall proposed system. I would rate the firm's overall work as exemplary and a very suitable candidate for this work.

**ADDITIONAL COMMENTS:**


SIGNATURE: Mauro Giordano Date: 5/15/2018



**REFERENCE CHECK FORM**

<b>RFP # FY 2017-2018-010 CONSTRUCTION ADMINISTRATION AND ENGINEERING INSPECTION SERVICES FEMA GRANT SW DRAINAGE PROJECT</b>	
<b>PROPOSING FIRM'S NAME(S) :</b> Calvin, Giordano & Associates, Inc.	
<b>PROJECT NAME:</b> Weston Drainage Improvements: ITDD/BDD/Villages Additional FEMA Funding	
<b>WAS THIS A FEMA DRAINAGE PROJECT:</b> Yes; Hazard Mitigation Grant Program	
<b>NAME OF FIRM THAT WAS AWARDED THE AGREEMENT FOR THE PROJECT:</b> Calvin, Giordano & Associates, Inc.	
<b>NAME ALL THE FIRMS THAT WERE SUBCONTRACTORS TO THE PROJECT AND PROVIDED SERVICES:</b> N/A	

<b>Name of reference:</b>	Karl Thompson, P.E.	<b>Phone:</b>	954-385-2600
<b>Title of reference:</b>	Director of Public Works; Assistant City Manager	<b>E-mail Address:</b>	Kthompson@westonfl.org
<b>Company/Employer:</b>	City of Weston, Florida		

**Please answer the following questions regarding services provided by the proposer named above.**

<p>1. Provide detail information of the specific services the Firm provided for your Project.</p> <ul style="list-style-type: none"> <li>FEMA - Track, compile, coordinate and submit disbursement requests; facilitate grant close-out.</li> <li>Construction Admin. / Engineering Inspection – Assist City with the bidding process through to award; manage and administer the contract; perform inspections and witness required testing; review payment applications; conduct progress meetings; track project schedule; review and negotiate change orders; review / approve As-builts; close-out permits.</li> </ul>
---



2. Provide detail information about the level of commitment of the Firm to your project. Did the Firm devote the time, and personnel necessary to successfully complete the organization's needs?

- The firm provided full-time inspection, and part-time Construction Administrator.

3. Provide detail information about the competence, accessibility, and responsiveness of the Firm's personnel supervising and performing the work on the project.

No outstanding issues noted

4. Provide detail information about the Firm's response time as required by your Agreement. Where there ever any issues and why?

No outstanding issues noted



5. Provide detail information about the Firm's success at minimizing any issues.

No outstanding issues noted

6. How would you rate the Firm's overall work throughout the years on the Contract?

No outstanding issues noted

**ADDITIONAL COMMENTS:**

The City of Weston does not answer subjective questions but just provide information. There are no clear outstanding issues that have been recorded that relates to your questions above.

SIGNATURE:  Date: 5/15/18

## 9. APPROACH TO THE PROJECT



## APPROACH TO PROJECT

Calvin, Giordano & Associates, Inc. (CGA) is proud to be celebrating 80 years in the Professional Consulting Industry. We are proud to present our firm's qualifications, experience, staff and personal commitment to the City of Hallandale Beach. With the CGA Team you will be getting a firm with a proven track record of working as a team with our clients and utilizing our, technical excellence, exceptional project management, reliability, responsiveness and a dedication un-paralleled to the competition to ensure your project is completed on-time and within budget. Today, CGA provides a broad range of services; including Storm Water Management, Grant Application Services, Construction Management, Civil Engineering, Environmental Engineering Services, Construction Engineering Inspection (CEI) Services, Surveying, Planning, Landscape Architecture, Geographic Information Systems (GIS), Transportation/Traffic Engineering, Data Technology, Code Enforcement and Building Code Services,

CGA provides experienced Professional Engineers, Project Administrators, Contract Support Specialists, Resident Compliance Specialists, LAP Coordinators, Inspection Staff, Project Managers, Grant Administrators, Environmental Scientists and Administrative Staff for all facets of construction projects. These individuals are routinely state certified with the Code of Federal Regulations (CFR) 637.207, in such areas as Drilled Shaft inspections, Pile Driving, American Concrete Institute, Maintenance of Traffic, Earthwork and Sample Testing, Concrete Testing, Asphalt inspection, Traffic Control, Contract Plans Review, Storm Water Erosion and Sedimentation Control, OSHA Standards, Nuclear Gauge Safety trained and LAP Certified. These are measures to ensure Quality Assurance Procedures and Safety are maintained for all our construction projects throughout Florida. CGA's Construction Engineering staff also participates in constructability reviews of our design projects, providing value engineering and end user experience input for our future built environment.

The Construction Engineering / Construction Services (Construction Administration and Engineering Inspection) Department of CGA has been providing services to both private and municipal clients for well over 40 years. The projects namely involve infrastructure improvements and utility rehabilitation. CGA strives to ensure our clients' projects are built

in accordance with the latest standards including FDOT Standard Specifications for Road and Bridge Construction, FDEP, Cities, and Counties approved Plans and Specifications. Our larger clients include the Florida Department of Transportation, the Florida Department of Environmental Protection, and over 60 local municipalities across the state of Florida.

CGA has completed construction inspection services for utility plant expansions / renovations (water and waste water), pump stations (drainage and sewage), drainage wells, pressurized utility mains (sewage, drainage and water), gravity sewer mains, control structures, electrical instrumentation and controls, roadways, bridges, sea walls, bulkheads, piers, variety of vertical buildings, streetscape projects, parks and recreational facilities, landscaping and irrigation systems, and parking lots as well as numerous projects that required the inspection of lighting and signalization, and pavement markings and signage. The CGA Team has also completed multiple utility projects that included the inspection of manholes, storm water drainage improvements, and utility relocations. We have experienced Certified Landscape Inspection staff to ensure that all needs of the client are met with one firm and one team. The majority of our staff have worked in a variety of positions for various municipalities throughout their career. This end-user experience provides us the knowledge and lessons learned that can enhance the project modifications and directives during construction which will result in an improved final product for our client.

Because of our diversity, the CGA Team can control the entire process, offering a host of professional services as a one-source partner, or efficiently tackle time-sensitive individual projects, providing customized solutions with handpicked teams of highly experienced professionals. **Custom building Exceptional Solutions is the core of our business.**

## APPROACH TO PROJECT MANAGEMENT

The intent of this project is to construct a backbone drainage system for a large quadrant / area of the City that can be extended in future phases to mitigate local area flooding issues. Under the scope of this contract, this backbone system will include the following improvements:

- Install 16 Storm Water Injection Wells
- Install D.I.P. Drainage Force Mains (sizes vary), Fittings and Valves



- Construct a Drainage Pump Station (duplex pumps)
- Construct an Intake Structure complete with Rake System and Channel Lining
- Install/Reconstruct Sea Walls
- Install a Stand-by generator with ATS
- Modify/Install Storm Sewer Piping and Drainage Structures
- Remove and Replace Water Main with DIP Water Mains
- Construct a Gated Control Structure
- Install Landscaping and Irrigation associated with Control Structure and Pump Station
- Construct Driveway and Dumpster Enclosure at Pump Station
- Remove and replace sewer laterals as needed to facilitate construction
- Install Instrumentation, Controls and Telemetry to Pump Station
- Provide for a new FPL Transformer
- Remove and replace existing sidewalks
- Remove and replace existing residential driveways
- Regrade swales to improve drainage
- Remove and replace the pavement surface
- Replace Pavement Marking
- Restore Sod and Irrigation



Actual photo within project area.

*Project Communication Plan Developed by Staff:* Our work will begin prior to breaking ground. We will schedule an initial kick off meeting between the City's selected Project Manager, CGA's Staff and the Contractor's Project Manager. This is to take place before the Pre- Construction Meeting. At this meeting the Contractor is provided with hard and electronic copies of all documentation that must be complete and

returned to the Project team at the Pre-Construction Conference. We will cover the Construction requirements (shop drawings, quality control), the City requirements, as well as the FEMA and FDEP permit/ grant requirements during this initial face to face with the selected contractor to ensure they have the material required to complete his operations. We will discuss critical milestones, expectations from the City and CGA, procedures for reporting, record keeping and other contractual legalities. This meeting is done up-front and well documented via meeting minutes and audio recording to assist in the review and responses to any potential construction change orders in the future. We will also identify items which are not included in the original scope of work, assessing 'third party' expectations and alerting the contractor to long lead items, such as root pruning of trees to be relocated. Typically, these actions reduce any cost or time impacts to the project.

Through the duration of the project, our team will be focused on keeping the City's Project Manager apprised of major issues, especially any related to cost, time, safety, PIO, and grant requirements. Our team will provide the City's Project Manager with a bi-weekly update report that includes the major issues and activities of the week. We will be conducting a bi-weekly meeting with the Contractor and the City's Project Manager to review the project progress. We will also provide the City's Project Manager with monthly logs of submittals, RFI's and Change Orders.

The project team will also conduct a thorough site inspection ahead of construction commencement to catalogue the existing field conditions in addition to the videotape and photographs to be provided by the Contractor for the project records. These records become crucial during restoration of the project area.

During the Pre-Construction Meeting, which will include the entire project team, CGA, Contractor, City, PIO, Impacted Utilities and all Agencies Having Jurisdiction (AHJ) will address project sequencing, schedulings, billing and contractual procedures, conflict resolution, reporting, grant and permit requirements and all other pertinent information. At the Pre-Construction Meeting a Notice to Proceed (NTP) will be issued, directing the Contract to commenced and expedite the project work as well as starting the contractual clock on the project.

After the NTP is issued, kick-off meetings with the City, regulatory agencies, Contractor and sub-



contractors will be scheduled. The agenda for our bi-weekly progress meetings will include a two week look-ahead schedule report compared to the current project status, overall project status, schedule updates and any other relevant information for timely completion of the project. At these team meetings, goals will be clarified, commitments will be solidified, understanding and synergy will be realized to guide the team's focus and keep the project on schedule and within budget. In addition to the core construction issues, we will also discuss resident and City concerns regarding resident impacts, Maintenance of Traffic (MOT) and project sequencing. In this manner, the work can be processed in a timely fashion that allows for adjustments to be made before a schedule problem occurs.

We have a long history of excellence in project planning and execution. We have found that the fundamental requirement for successful management of projects such as this is the assignment of key personnel with the necessary skills and experience. The professional qualifications of our team will ensure superior and innovative products and services are utilized for the City of Hallandale Beach on this project. Our experience as end-users will be reflected as adjustments and directives made during construction to allow the proposed system to be efficiently operated and maintained for years to come.

**Partnering with the Contractor:** We constantly look ahead of the Contractor and discuss issues up front so there are no surprises. The Contractor must know their contract and our goal as your Construction Management professional is to ensure they abide by the requirements of the contract – we do this as a partner, highlighting needed submittals and timelines as detailed in our response. Again, our staff of multiple licensed Contractors in-house come into play here. They have worked as Contractors and can speak directly to them with industry knowledge and insight.

As a standard practice we will use the system included in the City's contract with the Contractor to standardize our assessment of the Contractor's performance. We will use this tool to ensure that the Contractor understands the importance of MOT, Safe Routes to Schools, Accurate Public Information, Environmental Compliance, and the significance of timely document submittal. Our staff of professionals are committed to these goals.

We will team with the City's experts in regards to specific City policies to minimize resolution timeframes. We will also team with City staff to ensure that all required City permits are procured by the Contractor prior to beginning work and the Contractor's signed and sealed MOT plan is approved by the City Traffic Engineer (after a dry run through our in-house CGA Traffic Engineer to ensure no or minimal comments are required from the City for approval).



Actual photo within project area.

#### **Project Reporting Methods - Management Process: Submittals:**

- **RFI's:** All RFI's will be reviewed and responded to by the CGA Team. The team has the construction experience and the technical support to address most RFI's. All RFI's will be documented in the RFI log which will be submitted to the City representative on bi-weekly basis.
- **Shop drawings:** A shop drawings schedule will be required for submittal by the Contractor during the Pre-construction meeting. All shop drawings will be reviewed by our team for comments / approval.
- **As Builts:** The project team will monitor the changes to the plans during the life of the project as changes occur. The Contractor will submit progress / red-lined drawings as part of its monthly payment application submittal; the team will compare its drawings to that of the Contractor.
- **Contract Changes/Work Directives:** Our team is experienced with change orders and developing work change directives in order to keep the project continuing. If warranted, changes in the field will be negotiated with the contractor for



a fair price and a Work Order will be developed quickly to compensate the contractor and avoid delays. Our goal is always to keep the job moving while protecting the City's funding and project!

- **Progress/Schedule:** The baseline schedule will be reviewed by the team. The schedule shall be reviewed for logic, milestones, start and end dates of activities, time allocated for material acquisition, time allocated for utility related work, activity duration and the CPM path. The team will request progress updates if the contractor's progress falls behind his baseline schedule. Float within the CPM will always be monitored and tracked on a baseline vs update schedule basis. This information will be utilized to refute any potential delay claims.
- **MOT:** The MOT plan will be submitted prior to construction for review by the City (after dry run through CGA Traffic Engineer). The Contractor will also be required to submit his traffic safety supervisor's certifications.
- **Schedule and Costs:** Our team is committed to completing the project within time and below budget. The team CGA has put together has a long proven track record of meeting our time and budget goals on construction projects.
- **Progress Photos:** Progress photos will be provided on monthly basis to the City representative.
- **Monthly and Final Payment Applications:** Our proposed PM has extensive experience with processing monthly and final payment applications. Our grant administrator has managed multiple grant projects and will ensure that all grant requirements are adhered to. There will be no delays to the Contractor's payment or reimbursement of funds to the City on this project.
- **Project Financial Oversight:** The team will track the project budget with respect to the contact quantities (over and under runs of units provided in the schedule of values), change orders and the set-aside allocation funding. Attention to the project budget and financial status will allow the team to routinely communicate with the City as to the project standing. The team shall report to the City on a monthly basis the financial status, and use / anticipated use of allowances.
- **Claims Documentation:** The team will work diligently to avoid any delays and resolve claim related issues in a timely manner to minimize all impacts to the City. Notice of Intent to Claim

(NOI) will be tracked using a specialized log and it will be provided to the City's project manager on monthly basis.

- **Weather Letters and other project records:** (SWPPP/ NPDES) will be submitted and reviewed in a timely manner.



Actual photo within project area.

#### **Meeting Minutes:**

- **Pre-Construction Conference:** the meeting will be facilitated and conducted by the CGA team. The meeting will be held in advance of construction and will include the Contractor, the sub-contractors, the City representatives, the County's representatives, utility owners, as well as other stake holders. Major project issues, schedule and milestones as well as other project related topics will be discussed in detail with the Contractor during this meeting. Meeting minutes will be sent to all parties within 48 hours after the meeting. . Audio recordings of all meetings will be utilized throughout the project.
- **Progress Meetings:** The team will hold bi-weekly progress meetings with the Contractor to discuss the progress of the job, the project issues and the project schedule (CPM Float and baseline). Meeting minutes will be provided to all parties within 48 hours of the meeting.
- **Pre-Activity Meetings:** The project team will hold various pre-activity meetings prior to some of the most critical construction activities on this project. The team will hold a pre-paving meeting, pre-piling/sea wall installation meeting, and a pre-signing/pavement markings meeting. Major requirements, specific plans issues, expectations and testing requirements will be discussed in detail during those meetings.
- **Monthly Update Meetings:** The PM will hold



a one-on-one monthly meeting with the City representative to discuss the job progress.

**Staff's Developed Approach to Technical Services:**

- **Daily Inspections:** Our experienced staff will be responsible for the daily inspection on the job and the detailed recording of all construction activities.
- **Material Requirements:**
  1. **Materials / Asphalt:** The Contractor will be responsible for submitting a detailed plan that includes materials type, materials source, supplier info, QC staff qualifications as well as a detailed plan of how he is planning to perform the work as detailed in the Contract Documents. Our team will review the plan and provide comments, then accept if when revisions allow no issues to be found.
  2. **Review nursery selected species for contract compliance:** The team will ensure that nursery selected species are reviewed. CGA's Landscape Department shall provide an experienced landscape inspector who will perform detailed inspections to ensure substantial compliance with the plans.
  3. **Review QC Sampling and Testing:** The project team will be responsible for reviewing the QC sampling and testing methods for compliance with the standard specifications and contract requirements. Deficiencies will be reported immediately to the Contractor and the PM to ensure that corrections are implemented in a timely manner.
  4. **Verify Producer Certifications:** Our inspection staff will ensure that all producer certifications are submitted and reviewed.
- **Our inspection staff and PM will also perform the following,**
  1. **Monitor Maintenance of Traffic** during construction to ensure compliance with the contract and plans' requirements. Alert Contractor where deficiencies are found.
  2. **Ensure adequate ADA compliant pedestrian access** is provided throughout construction and that bus routes are maintained. The team will coordinate with the School Board of Broward County throughout construction.
  3. **Ensure driveway access** is maintained throughout construction. Driveway work directly impacting a business or a resident will be coordinated with the private property owner one week in advance of construction. All access management changes will be

coordinated with the business owners in advance of construction.

4. **Verify environmental permit compliance** if needed.
5. **Verify grant funding compliance** if needed.
6. **Document item quantities installed** for monthly payment. All quantities will be reviewed prior to processing the monthly pay application.

The CGA Team will assist the Contractor in the completion stages of this project. Substantial Completion inspections along with building permit inspections will be properly scheduled to coincide with the Contract Time requirements, and punch lists will be developed identifying remaining work and work requiring attention. Stakeholders will be invited to participate in additional walk-thru inspections conducted by the CGA Team. As-built plans will be reviewed, and required reports, documentation including testing and inspections, will be assembled in preparation of permitting close-out certification(s). Grant funding documentation will be assembled and provided to the City.

During this stage, CGA will work in harmony with the Contractor and City staff towards Final Acceptance of the project. Training will be scheduled with City staff for operational information for the pump station and the control structure. O&M manuals and warranty documentation will be reviewed and assembled once complete. Final releases and required Contractor warranty bond(s) will be coordinated and reviewed prior to submittal to the City. Upon acceptance by both City staff and the CGA Team, CGA will provide a Final Acceptance of the project inclusive of all required documentation.

The CGA team along with our sub-consultants have a proven track record of completing projects on time and within budget. We extend our time and cost commitment to you on this project. We will complete this project under budget and under time for the City of Hallandale Beach.

## 10. CERTIFIED MINORITY BUSINESS CERTIFICATION



## FLORIDA STATUE 287.055 SECTION 2.(D) CERTIFIED MBE CERTIFICATION

Calvin, Giordano & Associates, Inc. (CGA) does not hold MBE status; however, CGA strives to utilize minority and women-owned business participation within each of our projects, regardless of the requirements outlined under the contract. Due to this commitment, CGA maintains strong relationships with a wide variety of DBE professional services firm such as geotechnical engineering, traffic engineering, surveying, subsurface utility engineering, structural engineering, and public relations firms.

CGA takes great care in selecting our teaming partners; accordingly, the City of Hallandale Beach can be confident that the team chosen for this project are not only the highest quality firms in the industry, but is a team that has a strong history of working together; not a randomly selected firm used to fill a requirement.

For this project, CGA has identified the following MBE firm to support the project deliverables. A copy of their certifications are included at the end of this section.

FIRM	DISCIPLINE	STATUS
Lakdas/Yohalem Engineering Inc.	Structural Engineering	MBE

*State of Florida*

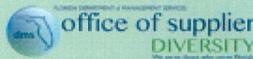
Minority Business Certification

Lakdas/Yohalem Engineering, Inc.

Is certified under the provisions of  
287 and 295.187, Florida Statutes, for a period from:

06/08/2017 to 06/08/2019

Erin Rock, Secretary  
Florida Department of Management Services



Office of Supplier Diversity • 4050 Esplanade Way, Suite 380 • Tallahassee, FL 32399 • 850-487-0915 • [www.dms.myflorida.com/osd](http://www.dms.myflorida.com/osd)

# 11. ADDENDUMS



Hallandale Beach  
PROGRESS. INNOVATION. OPPORTUNITY.

**ADDENDUM # 1**  
**RFP # FY 2017-2018-010**  
**CONSTRUCTION ADMINISTRATION AND ENGINEERING INSPECTION SERVICES**  
**FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) GRANT**  
**SOUTHWEST (SW) DRAINAGE PROJECT**

---

Please ensure you check the City's website for the latest addendum released for this project. Below find the link to the City's website: [www.cohb.org/solicitations](http://www.cohb.org/solicitations).

Firm must provide this form signed by an authorized officer of your Firm to acknowledge receipt of ADDENDUM # 1 and provide with your Firm's response.

**PLEASE NOTE: MINIMUM QUALIFICATION REQUIREMENT #3 – REVISED AS OF 5/10/2018**

**CHANGE FROM:**

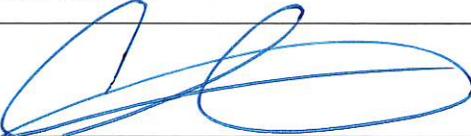
Proposer must provide five (5) years of experience showing having performed the same scope of work as outlined in this RFP. Previous experience can be from one (1) or multiple contracts. The proposing Firm must show and have FEMA Drainage Experience. This information must be detailed and provided in the charts below.

**CHANGE TO:**

Proposer must provide five (5) years of experience showing having performed the same scope of work as outlined in this RFP. Previous experience can be from one (1) or multiple contracts. Proposer must have past experience working on a FEMA funded drainage construction project of similar scope of work and must be able to demonstrate experience with FEMA regulations, documentation and reporting requirements. This information must be detailed and provided in the charts below.

**PLEASE NOTE RECEIPT OF ADDENDUM # 1 BY SIGNING BELOW AND INCLUDE WITH YOUR FIRM'S SUBMISSION.**

**I ACKNOWLEDGE RECEIPT OF ADDENDUM # 1:**

Company	Calvin, Giordano & Associates, Inc.
Name	Chris Giordano, MSC, CCM
Title	Vice President
Signature	
Date	May 17, 2018

Sincerely,



Andrea Lues, Director, Procurement Department



**ADDENDUM # 2**  
**RFP # FY 2017-2018-010**  
**CONSTRUCTION ADMINISTRATION AND ENGINEERING INSPECTION SERVICES**  
**FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) GRANT**  
**SOUTHWEST (SW) DRAINAGE PROJECT**

---

Please ensure you check the City's website for the latest addendum released for this project. Below find the link to the City's website: [www.cohb.org/solicitations](http://www.cohb.org/solicitations).

**Firm must provide this form signed by an authorized officer of your Firm to acknowledge receipt of ADDENDUM # 2 and provide with your firm's response.**

**PLEASE NOTE:**

**Question #1:**

What's the engineer's estimate for this project? Please advise.

**Answer #1: The construction component of this project has been awarded for a not to exceed amount of \$13,018,500.**

**Question #2:**

where I can find a copy of the project plans to review.

**Answer #2: The project plans for BID # FY 2017-2018-006 are available on the City's website at [www.cohb.org/solictations](http://www.cohb.org/solictations) and on DemandStar.**

**Question #3:**

Do you have the required forms available in Word format?

**Answer #3: No.**

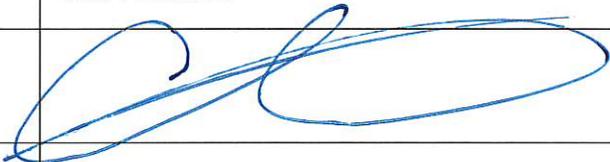
**Question #4:**

On Page 7 of the RFP states that a minimum qualification requirement is that the firm “ must show and have FEMA Drainage Experience”. FEMA Drainage is a typical design standard used for low lying areas such as South Florida and is standard for FDOT drainage designs. Can the City please elaborate on the definition of this requirement and / or provide specific criteria to meet this minimum requirement?

**Answer #4: Please see Addendum #1.**

**PLEASE NOTE RECEIPT OF ADDENDUM # 2 BY SIGNING BELOW AND INCLUDE WITH YOUR FIRM'S SUBMISSION.**

**I ACKNOWLEDGE RECEIPT OF ADDENDUM # 2:**

Company	Calvin, Giordano & Associates, Inc.
Name	Chris Giordano, MSC, CCM
Title	Vice President
Signature	
Date	May 17, 2018

Sincerely,



Andrea Lues, Director, Procurement Department