CITY OF DELRAY BEACH
100 NW 1st AVENUE, DELRAY BEACH, FL 33444

AGREEMENT FOR PROFESSIONAL SERVICES

RFQ 2017-048 (918-42, 918-89, 906-56)

CALVIN, GIORDANO & ASSOCIATES, INC.

AGREEMENT
FOR
PROFESSIONAL SERVICES (CCNA)

AGREEMENT NO. RFQ 2017-048 (918-42, 918-89, 906-56)

THIS AGREEMENT is made and entered into this 31st day of August, 2017 (the "effective date"), by and between the **City of Delray Beach,** a Florida municipal corporation (hereinafter referred to as "City"), whose address is 100 NW 1st Avenue, Delray Beach, Florida, 33444, and **Calvin, Giordano & Associates, Inc.,** a Florida corporation (hereinafter referred to as "Consultant"), whose principal address is 5600 Village Blvd., Suite 340, West Palm Beach, Florida 33409.

WHEREAS, the City desires to retain the services of the Consultant to provide certain Professional Services in accordance with the City's Request for Qualifications RFQ 2017-048, Continuing Engineering, Surveying, and Landscaping Architectural Consulting Services (918-42, 918-89, 906-56), and the Consultant's response thereto, which are attached hereto and incorporated herein as Exhibit "A".

NOW, THEREFORE, in consideration of the mutual covenants and promises hereafter set forth, the Consultant and the City agree as follows:

ARTICLE 1. INCORPORATION OF REQUEST FOR QUALIFICATIONS

The terms and conditions of this Agreement shall include and incorporate the terms, conditions, and scope of services set forth in the City's Request for Qualifications, RFQ 2017-048, and the Consultant's response to the Request for Qualifications, including all addenda and documentation required thereunder.

ARTICLE 2. SCOPE OF SERVICES

The Consultant shall provide Professional Services to the City, under the following categories of work as defined in the Request for Qualifications:

a. Category(s)

i. Engineering Services
ii. Surveying/Mapping Services
iii. Landscape Architectural Services

The Consultant shall provide the services on an as-needed and project-by-project basis, based on work requests from City departments through the issuance of Service Authorizations.

ARTICLE 3. COMPENSATION

The City shall pay the Consultant for performing the Services based on the Prices and Rates shown in Exhibit "B", which is attached hereto and incorporated herein.

ARTICLE 4. TERM

The term of this Agreement shall be from the effective date until August 30, 2022, unless terminated beforehand as provided for in Article 5. Nothing contained in the Request for Qualifications or this Agreement shall be construed by the Consultant as a guarantee of work from the City. The City reserves the right to extend the Agreement for one, two-year term, providing all terms conditions and specifications remain the same, both parties agree to the extension, and such extension is approved by the City.

At the City's request, the Consultant shall continue services beyond the final expiration date. This extension period shall not extend for more than one year beyond the final expiration date of the Agreement. The Consultant shall be compensated at the rate in effect when this extension period is invoked by the City.

ARTICLE 5. TERMINATION

a. This Agreement may be terminated by the City, with or without cause, upon providing written notice to the Consultant. This Agreement may be terminated by the Consultant upon thirty (30) days' prior written notice to the City. Upon any such termination, the Consultant waives any claims for damages from such termination, including, but not limited to, loss of anticipated profits. Unless the Consultant is in breach of this Agreement, the City shall pay the Consultant for services rendered through the date of termination in accordance with the terms of this Agreement.

b. The continuation of this Agreement beyond the end of any fiscal year shall be subject to both the appropriation and the availability of funds in accordance with Florida law.

ARTICLE 6. LAW, JURISDICTION, VENUE, WAIVER OF JURY TRIAL

This Agreement shall be interpreted and construed in accordance with and governed by the laws of the state of Florida. All Parties agree and accept that jurisdiction of any controversies or legal problems arising out of this Agreement, and any action involving the enforcement or interpretation of any rights hereunder, shall be exclusively in the state courts of the Fifteenth Judicial Circuit in Palm Beach County, Florida, and venue for litigation arising out of this Agreement shall be exclusively in such state courts, forsaking any other jurisdiction which either party may claim by virtue of its

residency or other jurisdictional device. **BY ENTERING INTO THIS AGREEMENT, SECOND PARTY AND CITY HEREBY EXPRESSLY WAIVE ANY RIGHTS EITHER PARTY MAY HAVE TO A TRIAL BY JURY OF ANY CIVIL LITIGATION RELATED TO THIS AGREEMENT. IF A PARTY FAILS TO WITHDRAW A REQUEST FOR A JURY TRIAL IN A LAWSUIT ARISING OUT OF THIS AGREEMENT AFTER WRITTEN NOTICE BY THE OTHER PARTY OF VIOLATION OF THIS SECTION, THE PARTY MAKING THE REQUEST FOR JURY TRIAL SHALL BE LIABLE FOR THE REASONABLE ATTORNEYS' FEES AND COSTS OF THE OTHER PARTY IN CONTESTING THE REQUEST FOR JURY TRIAL, AND SUCH AMOUNTS SHALL BE AWARDED BY THE COURT IN ADJUDICATING THE MOTION.**

ARTICLE 7. ATTORNEY'S FEES

Any costs or expense (including reasonable attorney's fees) associated with the enforcement of the terms and for conditions of this Agreement shall be borne by the respective Parties, however, this clause pertains only to the Parties to this Agreement.

ARTICLE 8. MISCELLANEOUS PROVISIONS

a. Notice Format. All notices or other written communications required, contemplated, or permitted under this Agreement shall be in writing and shall sent by certified United States Mail, postage prepaid, return receipt requested, or sent by commercial express carrier with acknowledgement of delivery, or by hand delivery with a request for a written receipt of acknowledgment of delivery, addressed to the party for whom it is intended at the place last specified. The place for giving notice shall remain the same as set forth herein until changed in writing in the manner provided in this section. For the present, the Parties designate the following:

As to the City:
City of Delray Beach
100 NW 1st Avenue
Delray Beach, FL 33444
Attn: City Manager

With a copy to:
City of Delray Beach
200 NW 1st Avenue
Delray Beach, Florida 33444
Attn: City Attorney

As to the Consultant:

Calvin, Giordano & Associates, Inc.
5600 Village Blvd., Suite 340
West Palm Beach, Florida 33409
Attn: Shelley Eichner, Senior Vice President

b. Headings. The headings contained in this Agreement are for convenience of reference only and shall not limit or otherwise affect in any way the meaning or interpretation of this Agreement.

c. The documents listed below are a part of this Agreement and are hereby incorporated by reference. In the event of inconsistency between the documents, unless otherwise provided herein, the terms of the following documents will govern in the following order of precedence:

i. Terms and conditions as contained in this Agreement.

ii. Terms and conditions of RFQ 2017-048.

iii. Consultant's response to RFQ 2017-048 and any subsequent information submitted by Consultant during the evaluation and negotiation process.

(The remainder of this page intentionally left blank)

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date hereinabove first written.

CITY OF DELRAY BEACH, FLORIDA

By: _____
Cary D. Glickstein, Mayor

ATTEST:

By: _____
Katerri Johnson, City Clerk

APPROVED AS TO FORM AND LEGAL SUFFICIENCY

By: _____
R. Max Lohman, City Attorney

CONSULTANT

By: Shelley Eichner

Title: Senior Vice President

WITNESSES:

By: _____

Print Name: Elizabeth Prat

By: _____

Print Name: CARINA HARVEY

EXHIBIT A

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS™

Electronic

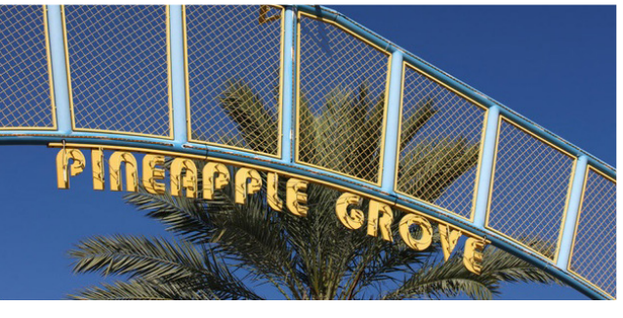
CONTINUING ENGINEERING, SURVEYING AND LANDSCAPING ARCHITECTURAL CONSULTING SERVICES

RFQ# 2017-048

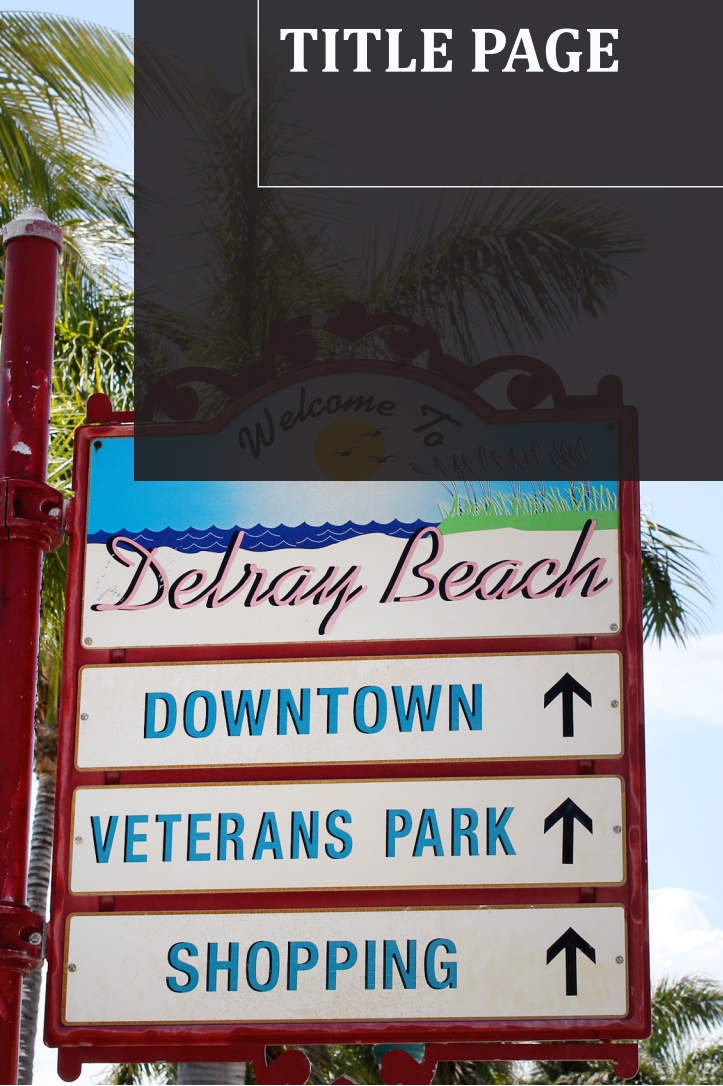
Prepared For:

CITY OF DELRAY BEACH
100 NW 1st AVENUE
DELRAY BEACH, FL 33444

Due Date/Time:
May 30, 2017
2:00 P.M.



TITLE PAGE



CALVIN, GIORDANO & ASSOCIATES, INC.
560 Village Boulevard, Suite 340
West Palm Beach, FL 33316
T: 561.684.6161 | F: 561.694.6360

Shelley Eichner, AICP
SEichner@cgasolutions.com
T: 954.921.7781 | F: 954.921.8807

Patrick Figurella, PE
PFigurella@cgasolutions.com
T: 561.684.6161 | F: 561.694.6360

DUE: MAY 30, 2017, 2:00 PM (Local)

RFP NO. 2017-048
CITY OF DELRAY BEACH
CONTINUING ENGINEERING, SURVEY AND LANDSCAPING ARCHITECTURAL CONSULTING SERVICES

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CHAPTER 1

LETTER OF INTENT

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS™

May 30, 2017

The City of Delray Beach
100 NW 1st Avenue,
Delray Beach, FL 33444

RE: 2017-048 Continuing Engineering, Surveying and Landscaping Architectural Consulting Services

Dear Selection Committee:

Calvin, Giordano & Associates, Inc. (CGA) is pleased to submit our qualifications to provide services for the ***Continuing Engineering, Surveying and Landscaping Architectural Consulting Services, RFQ No. 2017-048***. We have reviewed the scope of services set forth by the City of Delray Beach, and have selected a project team with a wealth of knowledge of the scope of work to successfully provide services to the City under this contract.

CGA provides multi-disciplinary consulting services to over 60 municipal clients throughout the State of Florida. With offices located in Fort Lauderdale, West Palm Beach, Estero, Port St. Lucie, Miami, and Clearwater we are conveniently located in close proximity to many of our clients. CGA's West Palm Beach office is less than a 25-minute drive to The City of Delray Beach, will serve as the dedicated headquarters for this project.

The CGA team is comprised of industry experts with over 140 years of combined experience in their respective fields, who have completed numerous projects of similar scope, and who possess the diversity of technical skills required to execute the work under this contract with the highest degree of professionalism

CGA will serve as the prime contractor with **Nutting Engineers of Florida** providing geotechnical support, **Smith Engineering Consultants, Inc. (SEC)** providing electrical engineering and street lighting support, **Johnson, Levinson, Ragan, Dasilva, Inc.** providing Mechanical, Electrical and Plumbing, **Alan Gerwig & Associates, Inc.** providing structural services and **CALTRAN Engineering Group, Inc.** providing Traffic Analysis. The City will benefit from this collaboration by leveraging the team's experience, lessons learned, and demonstrated best practices on other City of Delray Beach projects. Utilizing these resources, the CGA

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

560 Village Boulevard
Suite 340
West Palm Beach, FL
33409
561.684.6161 phone
561.684.6360 fax

www.cgasolutions.com

team can deliver a higher quality service that is tailored to the needs of the City. As an existing contract holder for the last 6 years, CGA has a wealth of knowledge regarding the infrastructure within the City of Delray Beach in general and is currently working with the City on several projects.

We are committed to assigning and dedicating the manpower, expertise, and attentiveness necessary to ensure that the City meets it's goals and objectives through the provision of these services. Our team's experience will result in smooth and efficient execution and successful completion of all services related to this contract.

Should Calvin, Giordano & Associates, Inc. be selected to provide services under this contract, I, Shelley Eichner, AICP, Senior Vice President, will serve as Principal-in-Charge and Patrick Figurella, Senior Project Engineer, will serve as Project Manager and primary client contact for this contract. We can be reached by email at SEichner@cgasolutions.com or PFigurella@cgasolutions.com or by telephone or fax at the numbers listed on this letterhead.

Thank you for providing us this opportunity to respond to this Request for Qualifications.

Sincerely,

CALVIN, GIORDANO & ASSOCIATES, INC.

Shelley Eichner, AICP
Senior Vice President

RESPONSE CHECKLIST

A responsive Proposer means a Proposer that has submitted a proposal that conforms in all material respects to the requirements in the RFQ. The CPO or designee will determine whether each Proposer correctly submitted all of the necessary forms and documents. The purpose of this checklist is to assist Proposers in completing their Proposals and ensuring that all required forms and information is submitted. Do not include checklist with your Proposal submittal.

- [X] Letter of Intent
- [X] Proposal Submittal Signature Page
- [X] Proposer's Statement of Organization and W-9
- [X] Minimum Qualifications documentation
- [X] Proposal Requirements information
  - [X] Section A, Experience, Background, Reference Feedback
  - [X] Section B, Approach to Project Management
  - [X] Section C, Projects for Similar Services
  - [X] Section D, Organizational Structure
- [X] Public Entity Crimes Form
- [X] Drug Free Workplace Form
- [X] Conflict of Interest Form
- [X] Acknowledgement of Addenda Form
- [X] Evidence of Insurances

Form A - Proposal Submittal Signature Page

By signing this Proposal, the Proposer certifies that it satisfies all legal requirements as an entity to do business with the City, including all Conflict of Interest and Code of Ethics provisions.

Firm Name: Calvin, Giordano & Associates, Inc.

Street Address: 5600 Village Blvd., Suite 340, West Palm Beach, FL 33409

Mailing Address (if different from Street Address): Same as above

Telephone Number(s): 561-684-6161

Fax Number(s): 561-684-6360

Email Address: marketing@cgasolutions.com

Federal Identification Number: 65-0013869

Acknowledged by:

Calvin, Giordano & Associates, Inc.
Firm Name

Shelley Eich — 5/26/2017
Signature — Date

Shelley Eichner, AICP - Senior Vice President
Printed Name and Title

By signing this document, the Proposer agrees to all terms and conditions of this RFQ which includes the Sample Agreement.

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED ABOVE BY AN AUTHORIZED REPRESENTATIVE SHALL RENDER THE PROPOSAL NON-RESPONSIVE. THE CITY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE PROPOSER TO THE TERMS OF ITS PROPOSAL.

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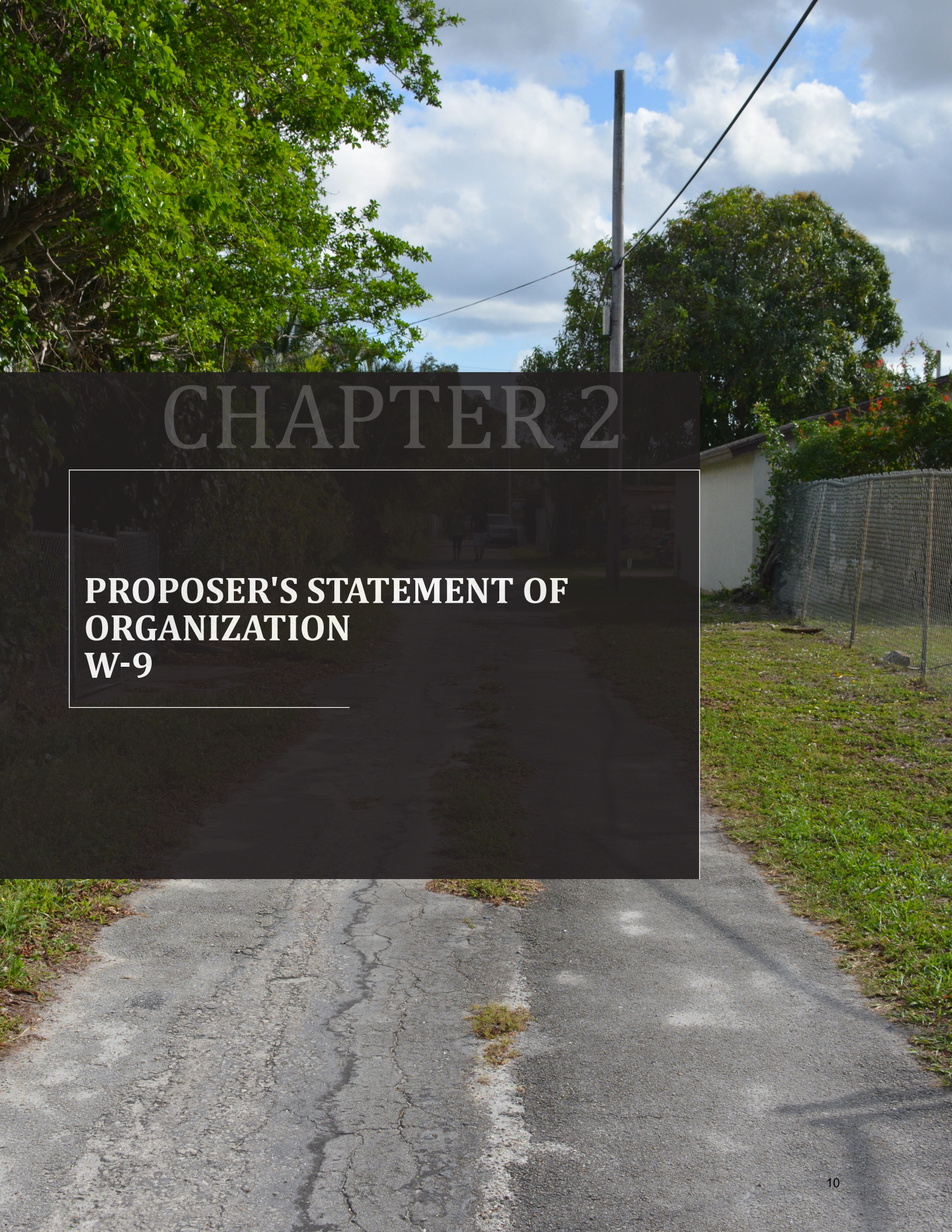


CHAPTER 2

PROPOSER'S STATEMENT OF ORGANIZATION
W-9

A. Legal contracting name including any dba.	**Calvin, Giordano & Associates, Inc.**
B. State of organization or incorporation.	Florida - June 27, 1985
C. Ownership structure of Proposer's company.	Corporation
D. Federal Identification Number.	65-0013869 (See following pages for W-9)
E. Contact information for Proposer's Corporate headquarters.	**1800 Eller Drive, Suite 600** **Fort Lauderdale, Florida 33316** **T: 954.921.7781** **F: 954.921.8807**
F. Contact information for Proposer's Local office (if any).	**560 Village Boulevard, Suite 340** **West Palm Beach, Florida, 33409** **T: 561.684.6161** **F: 561.684.6360**
G. Contact information for Proposer's Primary representative during this RFQ process.	Patrick Figurella, PE 560 Village Blvd, Suite 340 West Palm Beach, FL 33409 T: 561.681.5274 PFigurella@cgasolutions.com T: 561.681.5274
H. Contact information for Proposer's Secondary representative during this RFQ process.	**Tammy Cook-Weedon, ASLA, LEED AP BD+C** **1800 Eller Drive, Suite 600** **Fort Lauderdale, Florida 33316** **T: 954.921.7781** **F: 954.921.8807**

I. List of officers, owners and/or partners, or managers of the firm. Include names, addresses, and phone numbers	**Dennis J. Giordano, President / CEO*** 1800 Eller Drive, #600, Ft Lauderdale, Florida 33316 T: 954.921.7781 / F: 954.921.8807 **Shelley Eichner, AICP, Senior Vice President*** 1800 Eller Drive, #600, Ft Lauderdale, Florida 33316 T: 954.921.7781 / F: 954.921.8807 Karl Kennedy, PE, Vice President 1800 Eller Drive, #600, Ft Lauderdale, Florida 33316 T: 954.921.7781 / F: 954.921.8807 Tammy Cook, RLA, Vice President 1800 Eller Drive, #600, Ft Lauderdale, Florida 33316 T: 954.921.7781 / F: 954.921.8807 Steve Watts, PSM, Vice President 1800 Eller Drive, #600, Ft Lauderdale, Florida 33316 T: 954.921.7781 / F: 954.921.8807 Dawn Hopkins, Secretary 1800 Eller Drive, #600, Ft Lauderdale, Florida 33316 T: 954.921.7781 / F: 954.921.8807 Chris Giordano, Vice President /Treasurer 1800 Eller Drive, #600, Ft Lauderdale, Florida 33316 T: 954.921.7781 / F: 954.921.8807 **** Principal with signing authority***
J. Briefly summarize any current or pending litigation in which Proposer is a part to.	*Please see the following page for additional information.*
K. Provide details of any ownership changes to Proposer's organization in the past three years or changes anticipated within six months of the Due Date and Time (e.g., mergers, acquisitions, changes in executive leadership).	*Please see the following page for additional information.*

J. Litigation

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.

CGA has the following current and/or pending litigation:

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 is pending.

2. Maria Carolina Cortinas; Gustavo L. Cortinas (Estate of Jose A. Scott), File No. 1085-0565-00 / Claim # 7030087022 April 22, 2015. Preliminary discovery – Auto Accident. Plaintiffs are amending their complaint to cure defects identified by the judge during a hearing on CGA's motion to dismiss.

K. Changes in Ownership

There has been no ownership changes to CGA's organization in the past two (2) years, and we do not anticipate changes (e.g. mergers, acquisitions, changes in executive leadership) within the next six months of the due date and time of the RFQ response.

Form **W-9**
(Rev. December 2014)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

Print or type
See Specific Instructions on page 2.

1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.
Calvin, Giordano & Associates, Inc.

2 Business name/disregarded entity name, if different from above

3 Check appropriate box for federal tax classification; check only **one** of the following seven boxes:
☐ Individual/sole proprietor or single-member LLC ☑ C Corporation ☐ S Corporation ☐ Partnership ☐ Trust/estate
☐ Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____
Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner.
☐ Other (see instructions) ▶

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):
Exempt payee code (if any) _____
Exemption from FATCA reporting code (if any) _____
(Applies to accounts maintained outside the U.S.)

5 Address (number, street, and apt. or suite no.)
1800 Eller Drive, Suite 600

Requester's name and address (optional)

6 City, state, and ZIP code
Fort Lauderdale, FL 33316

7 List account number(s) here (optional)

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.

Social security number
			–			–				

or

Employer identification number
6	5	–	0	0	1	3	8	6	9

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.

Sign Here Signature of U.S. person ▶ Jason Z Cuy Date ▶ 1/10/17

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at *www.irs.gov/fw9*.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.

CHAPTER 3

MINIMUM QUALIFICATIONS DOCUMENTATION

DOING BUSINESS IN THE STATE OF FLORIDA

Documentation indicating that Calvin Giordano & Associates, Inc. is authorized to do business in the State of Florida has been provided on the following page.

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, 2017, that its most recent annual report/uniform business report was filed on January 10, 2017, 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 Tenth day of January, 2017

Ken Detzner

Secretary of State

Tracking Number: CC9065327953

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

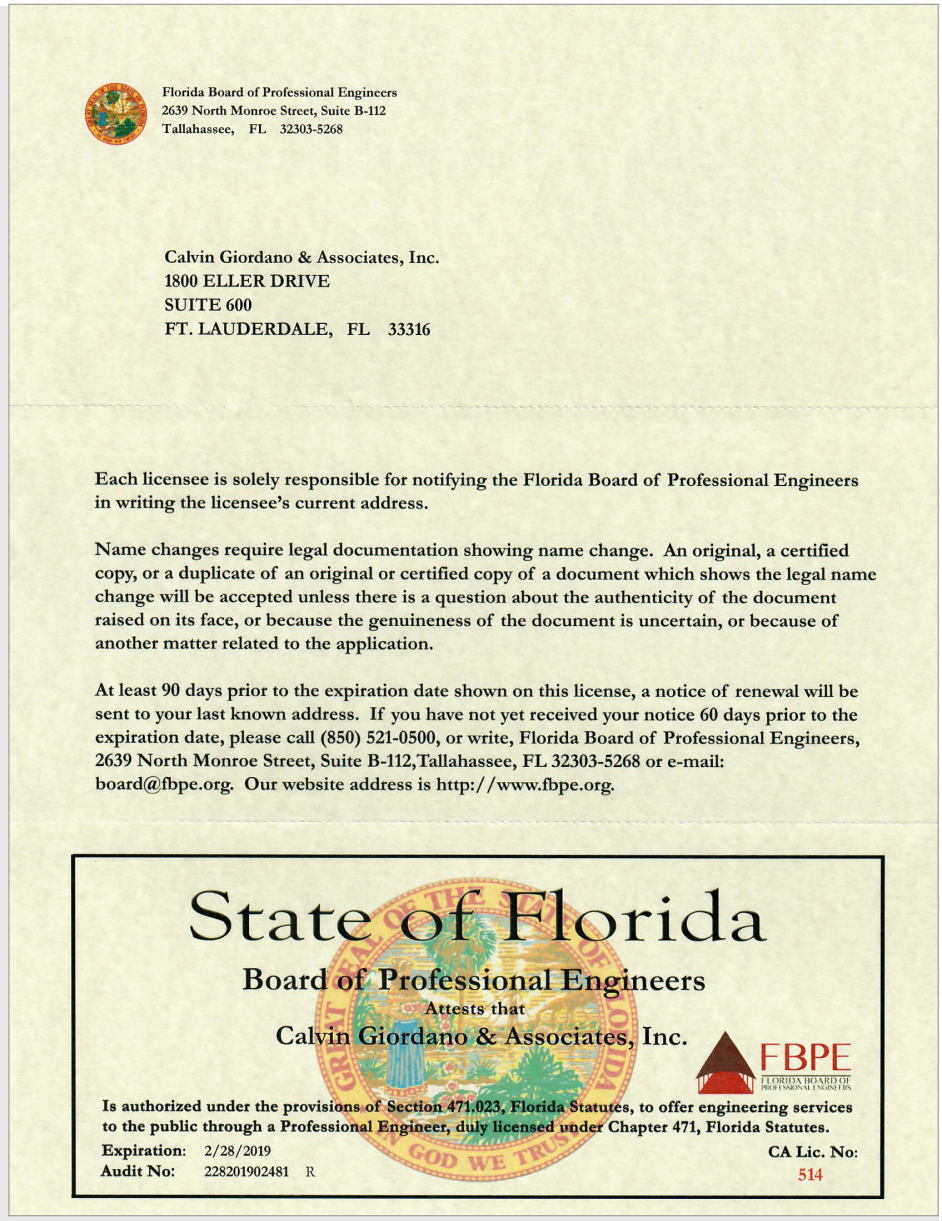
https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication

i. STATE OF FLORIDA REGISTRATION

Calvin, Giordano & Associates, Inc. is registered with the States of Florida, Division of corporations to do business in Florida and is pre-qualified by the City of Delray Beach in the category of engineering and/or consulting. Per the RFQ document, the city will verify registration and pre-qualification status.

ii. FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION LICENSE

As requested, information and/or documentation that confirms that our firm is currently licensed by the Florida Department of Business & Professional Regulation as an Engineering, Survey and Landscape Architecture Firm has been added below and on the following page.



Florida Board of Professional Engineers
2639 North Monroe Street, Suite B-112
Tallahassee, FL 32303-5268

Calvin Giordano & Associates, Inc.
1800 ELLER DRIVE
SUITE 600
FT. LAUDERDALE, FL 33316

Each licensee is solely responsible for notifying the Florida Board of Professional Engineers in writing the licensee's current address.

Name changes require legal documentation showing name change. An original, a certified copy, or a duplicate of an original or certified copy of a document which shows the legal name change will be accepted unless there is a question about the authenticity of the document raised on its face, or because the genuineness of the document is uncertain, or because of another matter related to the application.

At least 90 days prior to the expiration date shown on this license, a notice of renewal will be sent to your last known address. If you have not yet received your notice 60 days prior to the expiration date, please call (850) 521-0500, or write, Florida Board of Professional Engineers, 2639 North Monroe Street, Suite B-112,Tallahassee, FL 32303-5268 or e-mail: board@fbpe.org. Our website address is http://www.fbpe.org.

State of Florida

Board of Professional Engineers

Attests that

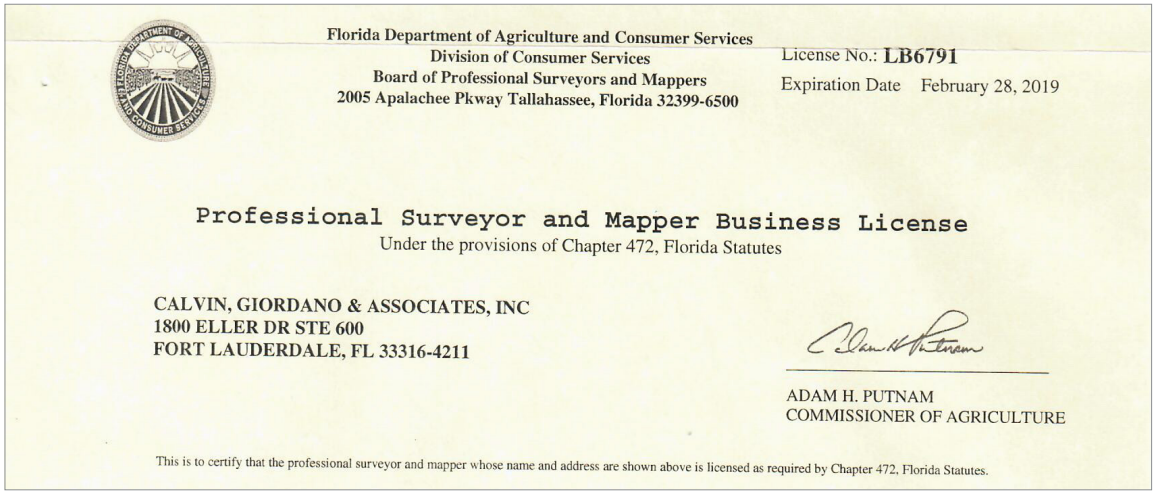
Calvin Giordano & Associates, Inc.

FBPE FLORIDA BOARD OF PROFESSIONAL ENGINEERS

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



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

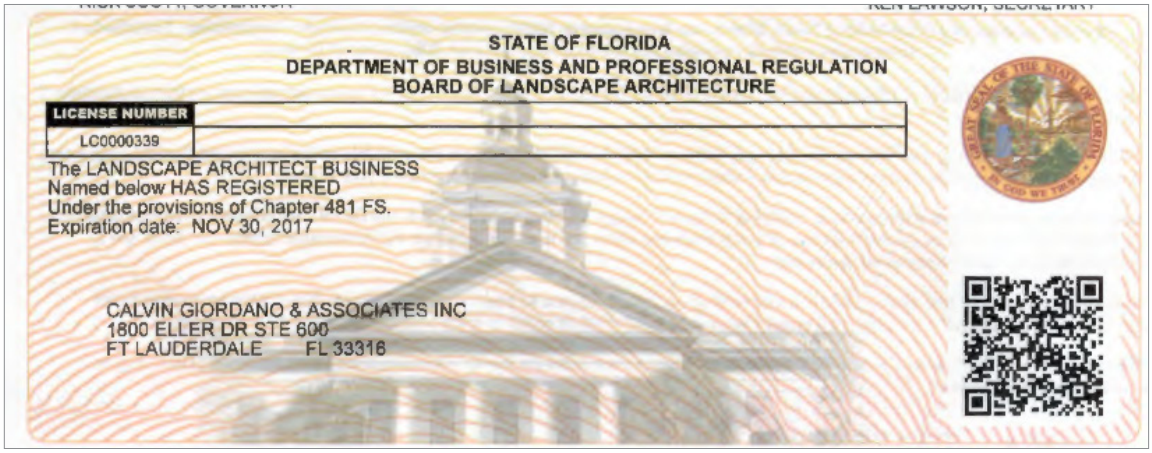
License No.: LB6791
Expiration Date February 28, 2019

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

CALVIN, GIORDANO & ASSOCIATES, INC
1800 ELLER DR STE 600
FORT LAUDERDALE, FL 33316-4211

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

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

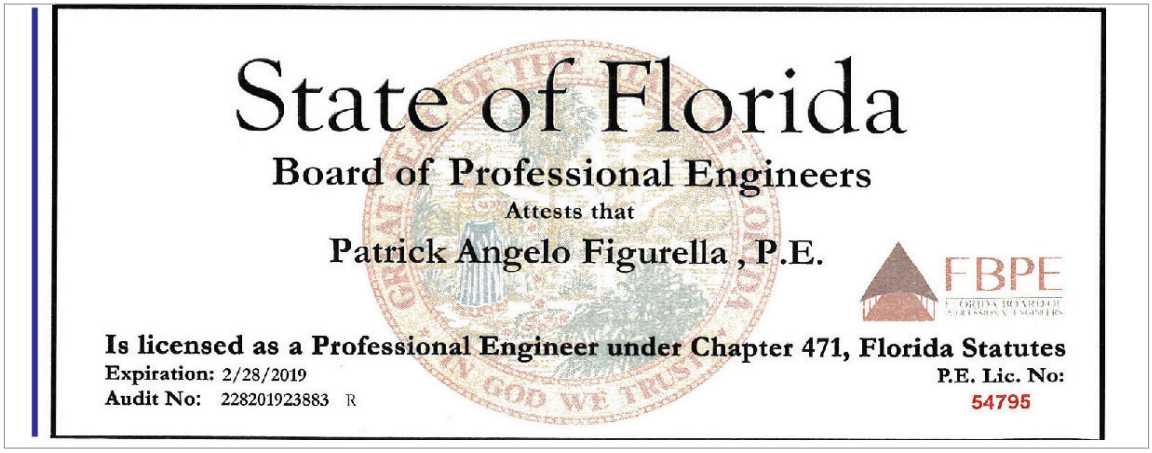


STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

LICENSE NUMBER
LC0000339

The LANDSCAPE ARCHITECT BUSINESS
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2017

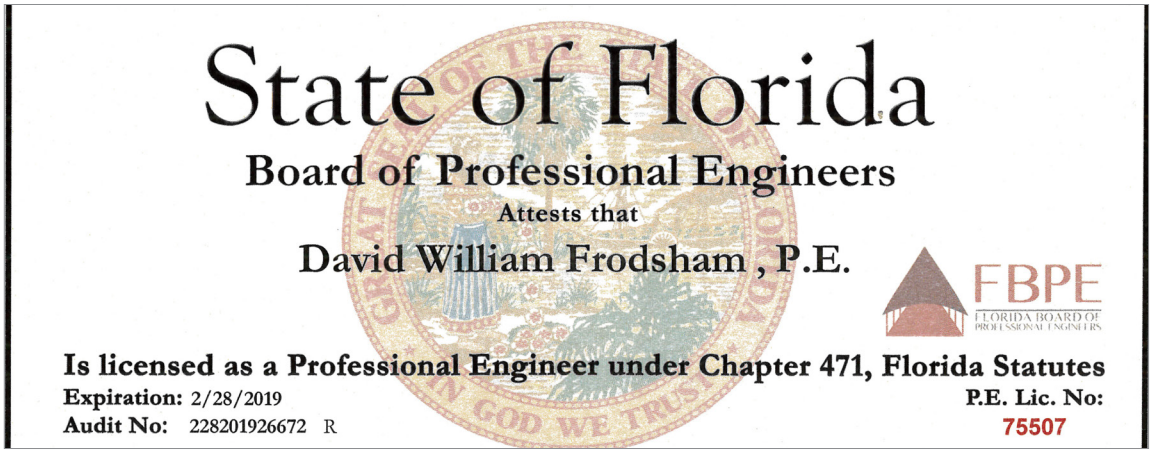
CALVIN GIORDANO & ASSOCIATES INC
1800 ELLER DR STE 600
FT LAUDERDALE FL 33316

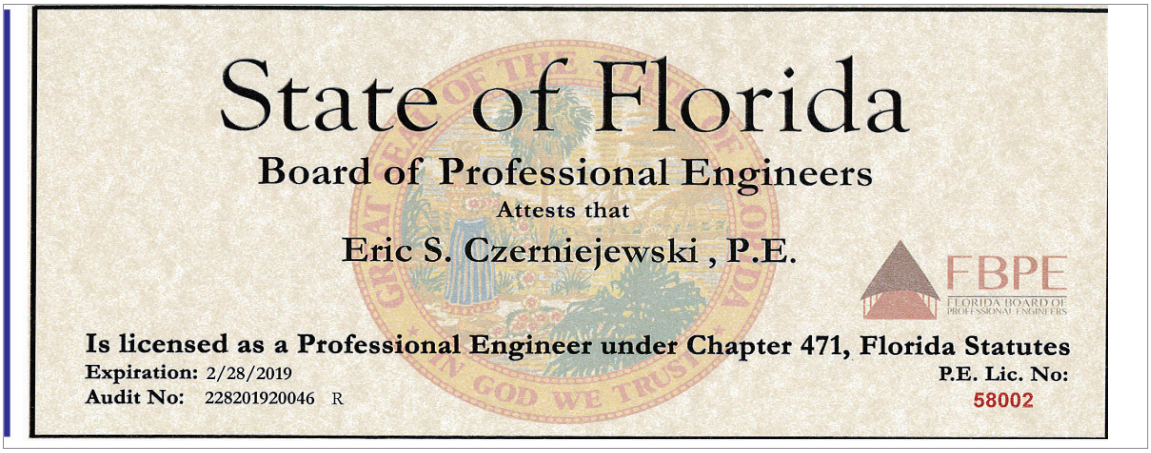


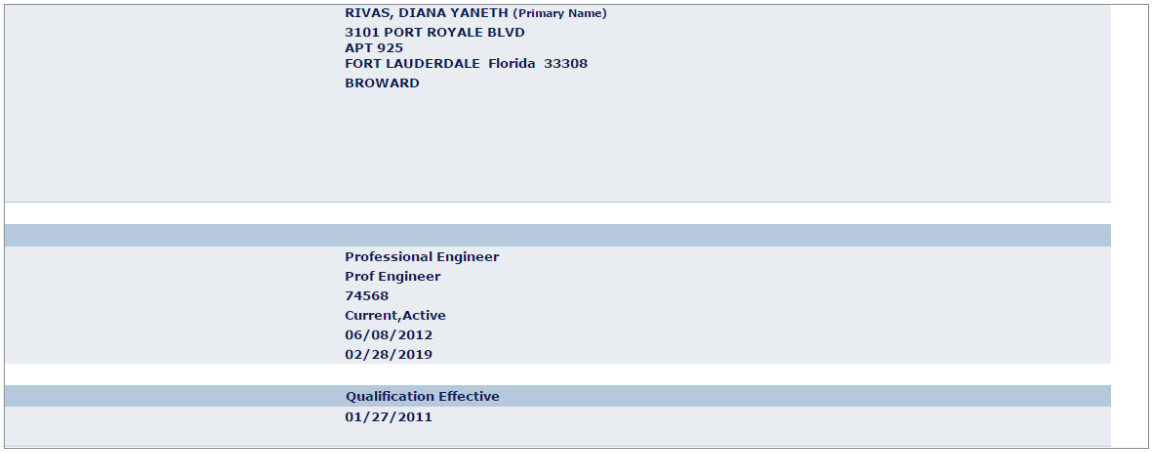
State of Florida
Board of Professional Engineers
Attests that
Patrick Angelo Figurella , P.E.

FBPE

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201923883 R
P.E. Lic. No:
54795


State of Florida
Board of Professional Engineers
Attests that
David William Frodsham , P.E.
FBPE FLORIDA BOARD OF PROFESSIONAL ENGINEERS
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201926672 R
P.E. Lic. No:
75507


State of Florida
Board of Professional Engineers
Attests that
Eric S. Czerniejewski , P.E.
FBPE FLORIDA BOARD OF PROFESSIONAL ENGINEERS
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201920046 R
P.E. Lic. No:
58002


RIVAS, DIANA YANETH (Primary Name)
3101 PORT ROYALE BLVD
APT 925
FORT LAUDERDALE Florida 33308
BROWARD

Professional Engineer
Prof Engineer
74568
Current,Active
06/08/2012
02/28/2019

Qualification Effective
01/27/2011

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

License No.: LS6272
Expiration Date February 28, 2019

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

RONNIE LEE FURNISS
5292 NW RUGBY DR
PORT SAINT LUCIE, FL 34983-3382

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

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

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

License No.: LS4315
Expiration Date February 28, 2019

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

DAVID E ROHAL
6561 FERN ST
MARGATE, FL 33063

ADAM H. PUTNAM
COMMISSIONER OF AGRICULTURE

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

RICK SCOTT, GOVERNOR KEN LAWSON, SECRETARY

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF LANDSCAPE ARCHITECTURE

LICENSE NUMBER
LA0001328

The LANDSCAPE ARCHITECT
Named below HAS REGISTERED
Under the provisions of Chapter 481 FS.
Expiration date: NOV 30, 2017

COOK, TAMMY DAWN
32801 HIGHWAY 441 NORTH
#267
OKEECHOBEE FL 34972

LEED AP BD+C

Tammy Cook-Weedon

HAS ATTAINED THE DESIGNATION OF

LEED ACCREDITED PROFESSIONAL

with a Building Design + Construction Specialty

by demonstrating the knowledge and understanding of green building practices and principles needed to support the use of the LEED® Green Building Rating System™.

10066306-AP-BD+C
CREDENTIAL ID

30 MAR 2010
ISSUED

29 MAR 2018
VALID THROUGH

GAIL VITTORI, GBCI CHAIRPERSON

MAHESH RAMANUJAM, GBCI PRESIDENT

The American Institute of Certified Planners

The Professional Institute of the American Planning Association

hereby qualifies

Sandra Lee

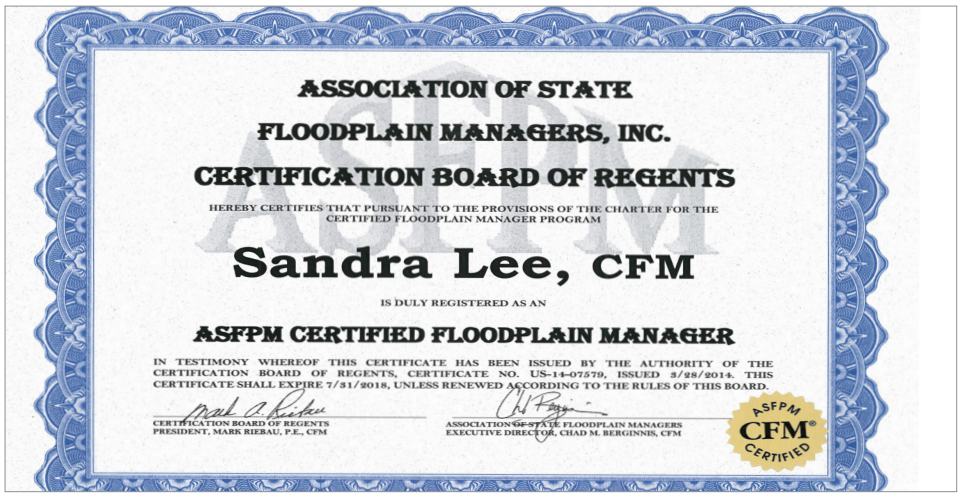
as a member
with all the benefits
of a Certified Planner and
responsibility to the
AICP Code of Ethics
and Professional Conduct.

Certified Planner Number: 018627

July 1, 2003

PRESIDENT

EXECUTIVE DIRECTOR



ASSOCIATION OF STATE FLOODPLAIN MANAGERS, INC.

CERTIFICATION BOARD OF REGENTS

HEREBY CERTIFIES THAT PURSUANT TO THE PROVISIONS OF THE CHARTER FOR THE CERTIFIED FLOODPLAIN MANAGER PROGRAM

Sandra Lee, CFM

IS DULY REGISTERED AS AN

ASFPM CERTIFIED FLOODPLAIN MANAGER

IN TESTIMONY WHEREOF THIS CERTIFICATE HAS BEEN ISSUED BY THE AUTHORITY OF THE CERTIFICATION BOARD OF REGENTS, CERTIFICATE NO. US-14-07579, ISSUED 3/28/2014. THIS CERTIFICATE SHALL EXPIRE 7/31/2018, UNLESS RENEWED ACCORDING TO THE RULES OF THIS BOARD.

CERTIFICATION BOARD OF REGENTS
PRESIDENT, MARK RIEBAU, P.E., CFM

ASSOCIATION OF STATE FLOODPLAIN MANAGERS
EXECUTIVE DIRECTOR, CHAD M. BERGINNIS, CFM

ASFPM CFM® CERTIFIED

SMITH ENGINEERING CONSULTANTS, INC.

State of Florida
Department of State

I certify from the records of this office that SMITH ENGINEERING CONSULTANTS, INC. is a corporation organized under the laws of the State of Florida, filed on June 3, 1999, effective June 1, 1999.

The document number of this corporation is P99000049883.

I further certify that said corporation has paid all fees due this office through December 31, 2017, that its most recent annual report/uniform business report was filed on January 24, 2017, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twenty-fourth day of January, 2017

Ken Detzner

Secretary of State

Tracking Number: CC5891889654

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

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

State of Florida
Board of Professional Engineers

Attests that

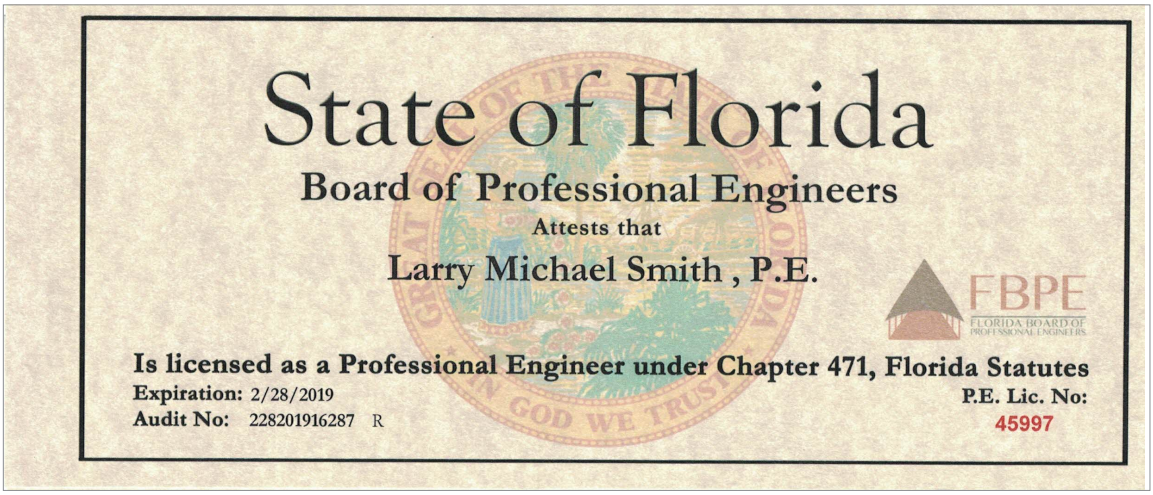
Smith Engineering Consultants, Inc.

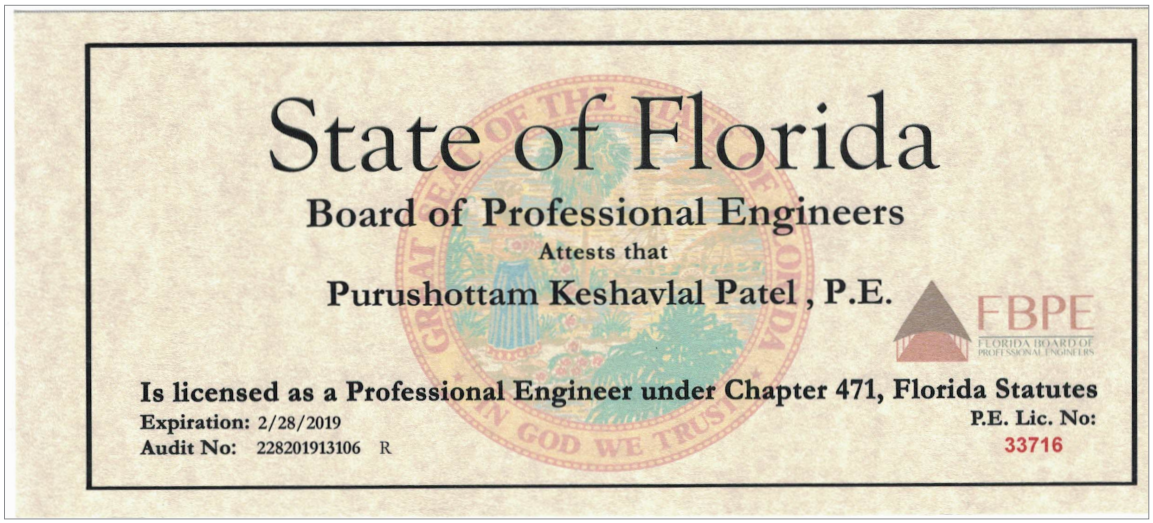
FBPE FLORIDA BOARD OF PROFESSIONAL ENGINEERS

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: 228201902380 R

CA Lic. No: 8228


State of Florida
Board of Professional Engineers
Attests that
Larry Michael Smith , P.E.
FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201916287 R
P.E. Lic. No:
45997


State of Florida
Board of Professional Engineers
Attests that
Purushottam Keshavlal Patel , P.E.
FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201913106 R
P.E. Lic. No:
33716

ALAN GERWIG & ASSOCIATES, INC.

State of Florida
Department of State

I certify from the records of this office that ALAN GERWIG & ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on May 27, 1998.

The document number of this corporation is P98000048408.

I further certify that said corporation has paid all fees due this office through December 31, 2017, that its most recent annual report/uniform business report was filed on January 31, 2017, 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 Thirty-first day of January, 2017

Ken Detzner
Secretary of State

Tracking Number: CC6023318638

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

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

State of Florida
Board of Professional Engineers

Attests that

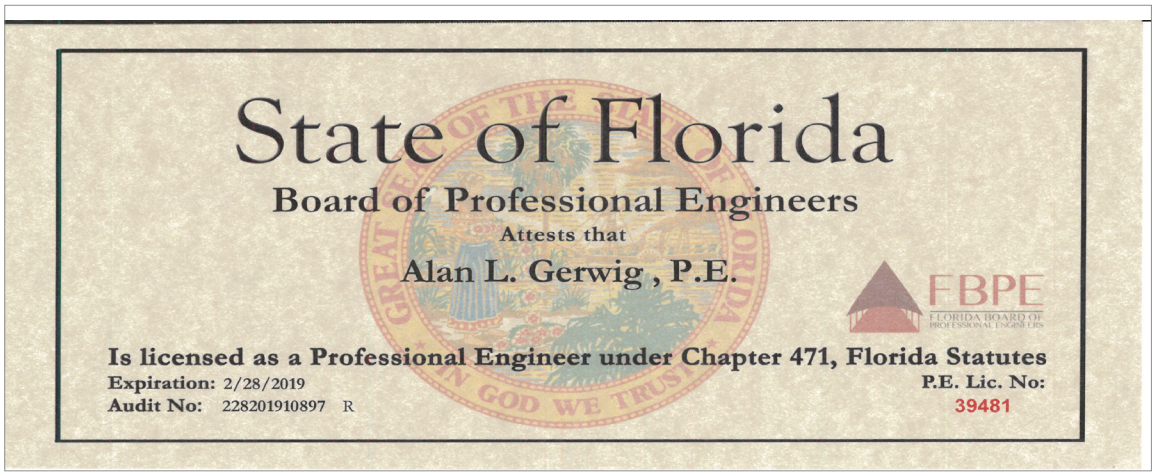
Alan Gerwig & Associates, Inc.

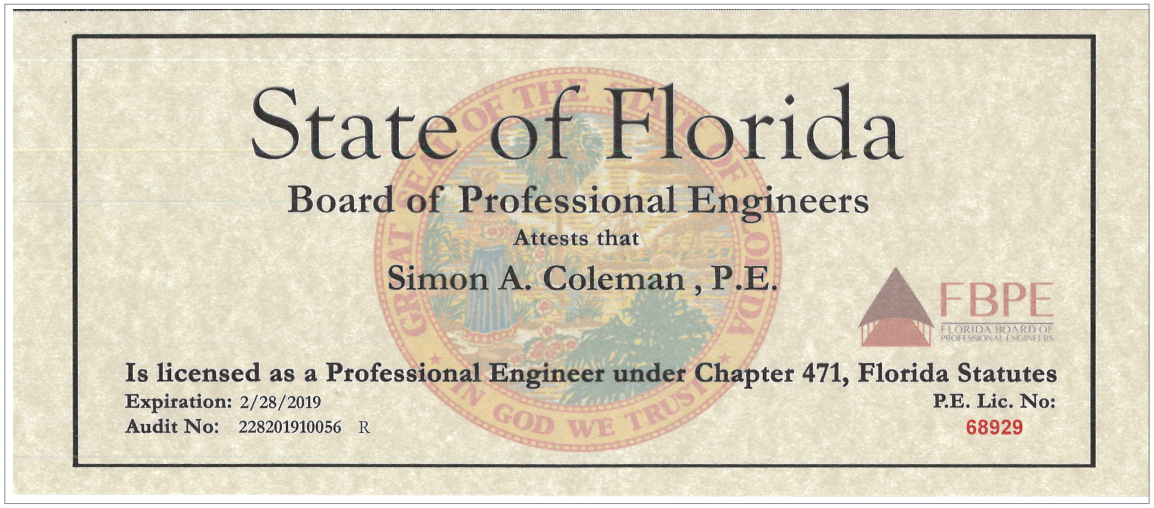
FBPE FLORIDA BOARD OF PROFESSIONAL ENGINEERS

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.

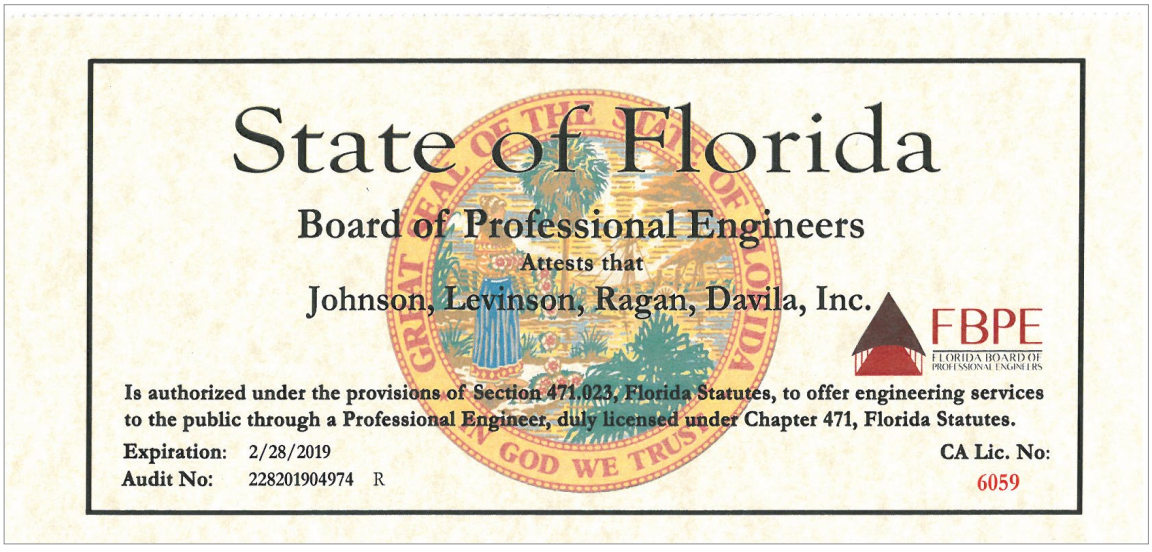
Expiration: 2/28/2019
Audit No: 228201901515 R

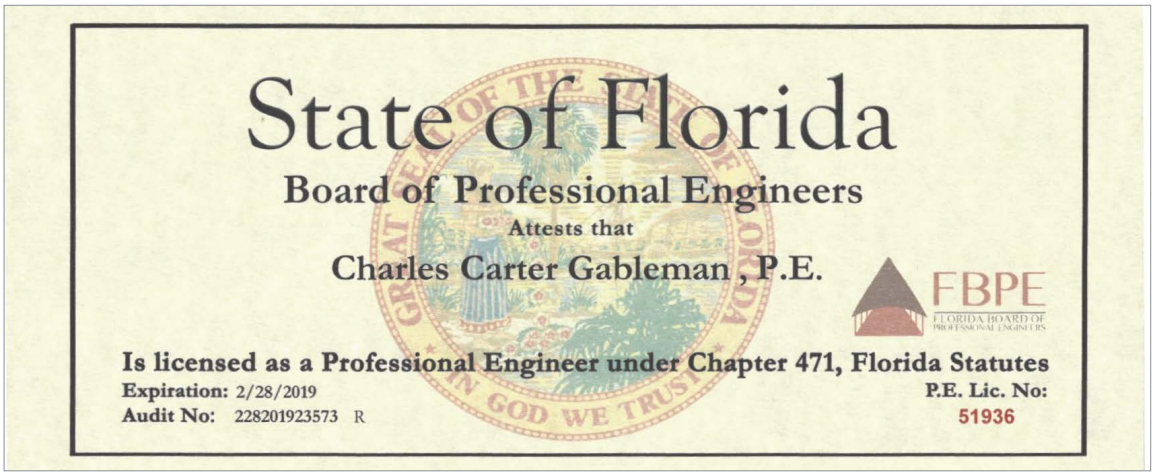
CA Lic. No: 7969

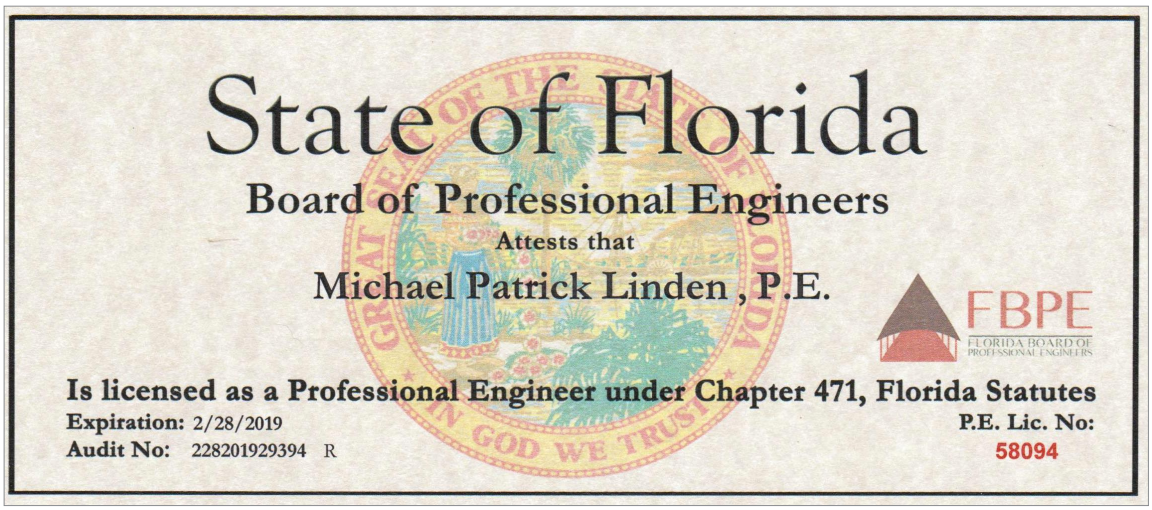




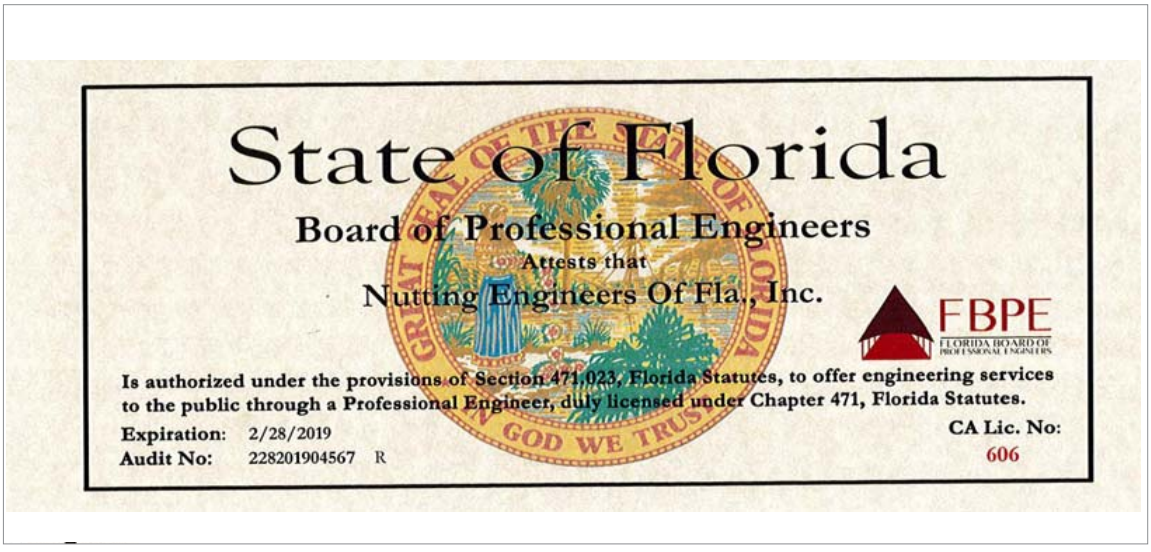
JOHNSON, LEVINSON, RAGAN, DAVILA, INC.




State of Florida
Board of Professional Engineers
Attests that
Charles Carter Gableman , P.E.
FBPE FLORIDA BOARD OF PROFESSIONAL ENGINEERS
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201923573 R
P.E. Lic. No:
51936


State of Florida
Board of Professional Engineers
Attests that
Michael Patrick Linden , P.E.
FBPE FLORIDA BOARD OF PROFESSIONAL ENGINEERS
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201929394 R
P.E. Lic. No:
58094

NUTTING ENGINEERS OF FLORIDA, INC.


State of Florida
Board of Professional Engineers
Attests that
Nutting Engineers Of Fla., Inc.
FBPE FLORIDA BOARD OF PROFESSIONAL ENGINEERS
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: 228201904567 R
CA Lic. No:
606

State of Florida
Department of State

I certify from the records of this office that NUTTING ENGINEERS OF FLORIDA INC is a corporation organized under the laws of the State of Florida, filed on February 16, 1967.

The document number of this corporation is 313874.

I further certify that said corporation has paid all fees due this office through December 31, 2017, that its most recent annual report/uniform business report was filed on January 6, 2017, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Sixth day of January, 2017

Ken Detzner
Secretary of State

Tracking Number: CC0191890829

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

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

State of Florida
Board of Professional Engineers

Attests that

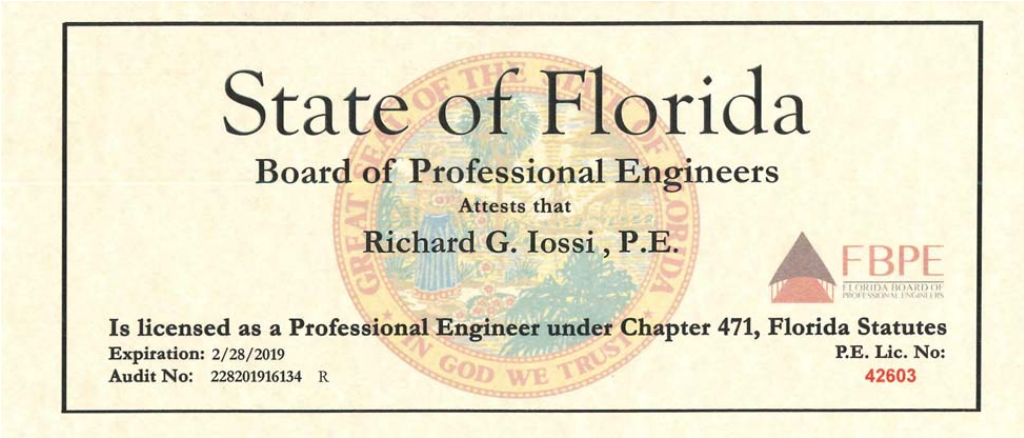
Richard Chase Wohlfarth , P.E.

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

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

Expiration: 2/28/2019
Audit No: 228201928714 R

P.E. Lic. No:
50858



State of Florida

Board of Professional Engineers

Attests that

Richard G. Iossi , P.E.

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

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

Expiration: 2/28/2019
Audit No: 228201916134 R

P.E. Lic. No:
42603

STATE OF FLORIDA
WATER WELL CONTRACTOR LICENSE
Issued to
Richard G. Iossi

License No. 11108 Expires 7/31/2017

DISTRICT CERTIFICATION OFFICER

CALTRAN ENGINEERING GROUP, INC.

State of Florida
Department of State

I certify from the records of this office that CALTRAN ENGINEERING GROUP, INC. is a corporation organized under the laws of the State of Florida, filed on January 12, 2011, effective January 11, 2011.

The document number of this corporation is P11000003969.

I further certify that said corporation has paid all fees due this office through December 31, 2017, that its most recent annual report/uniform business report was filed on January 24, 2017, and that its status is active.

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

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twenty-fourth day of January, 2017

Secretary of State

Tracking Number: CC5804813689

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

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

State of Florida
Board of Professional Engineers

Attests that

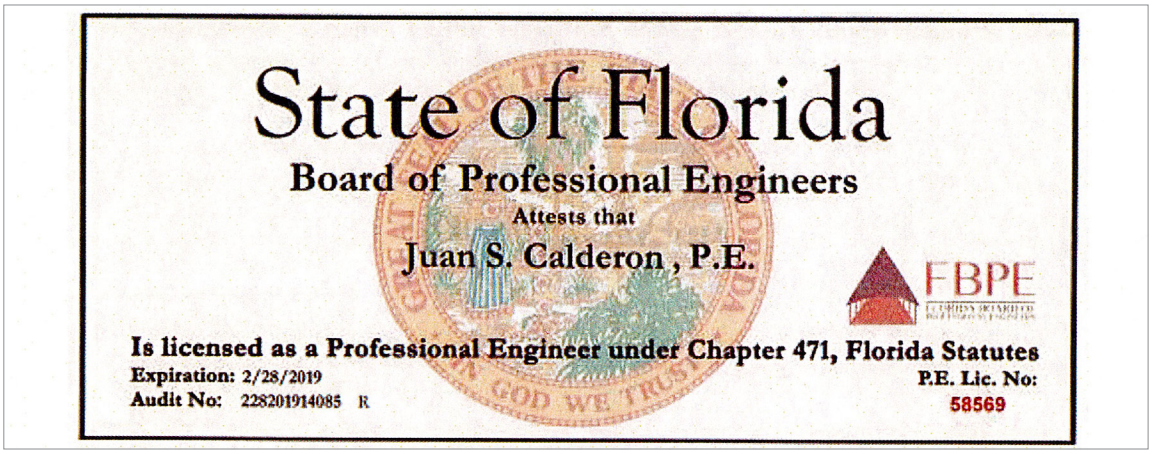
Caltran Engineering Group, Inc.

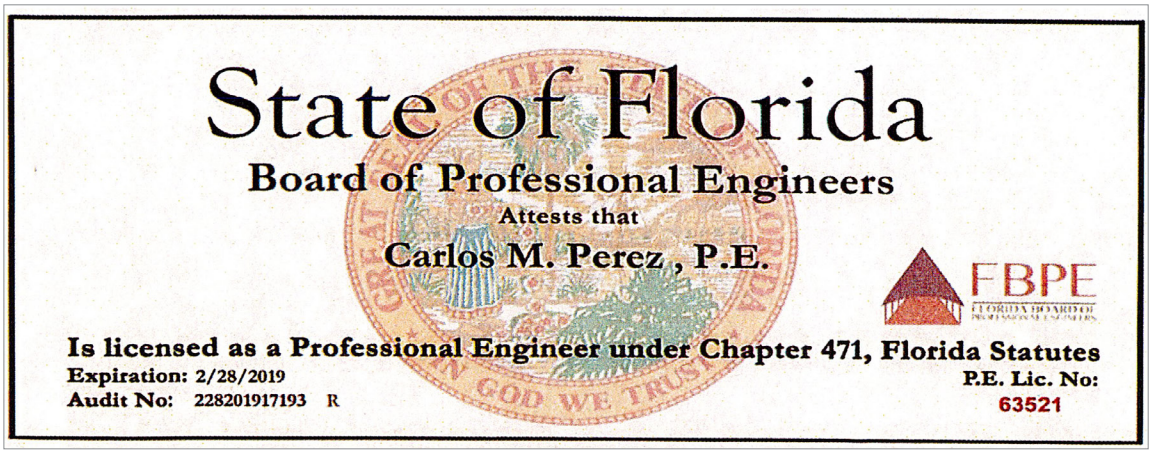
FBPE

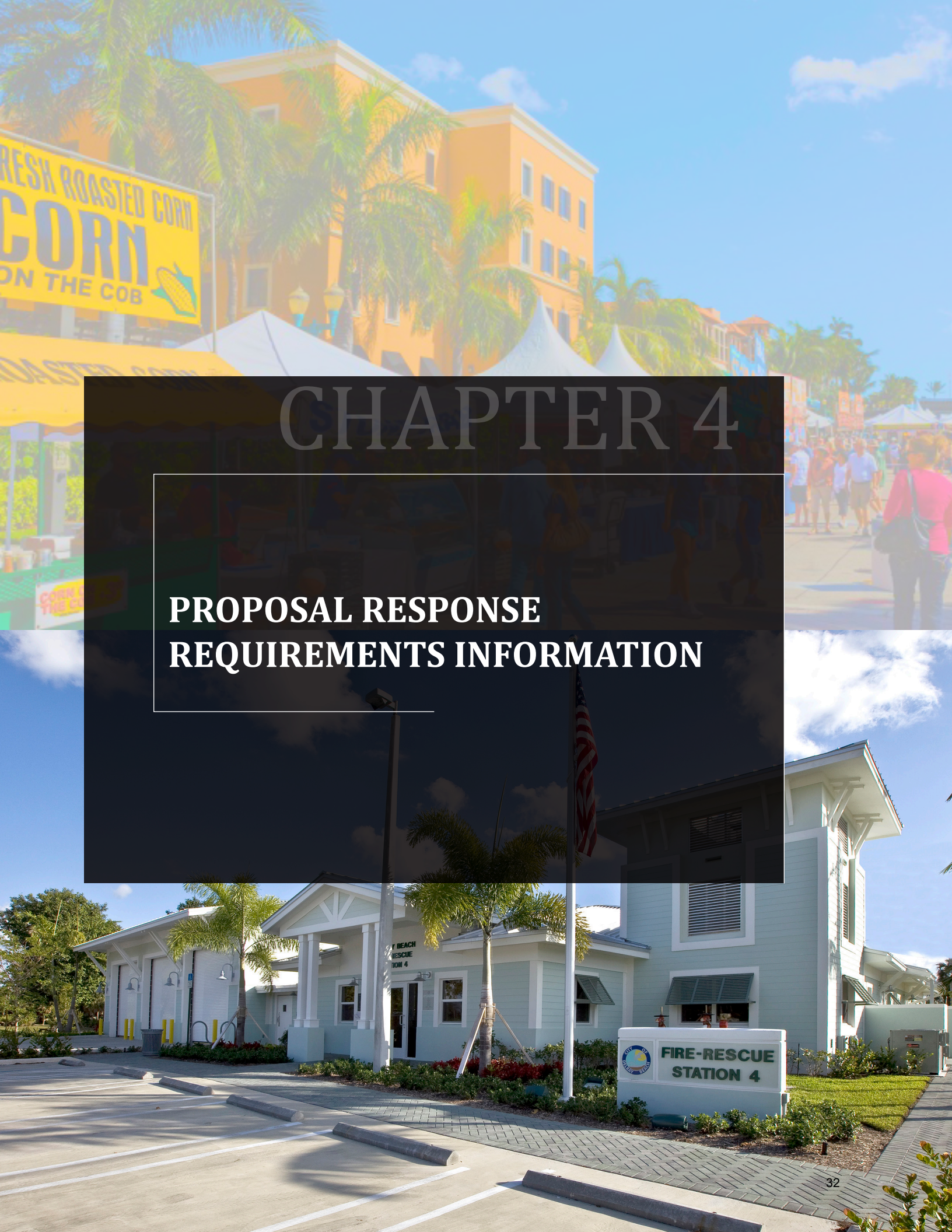
Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Expiration: 2/28/2019
Audit No: 228201901623 R

CA Lic. No: 29379


State of Florida
Board of Professional Engineers
Attests that
Juan S. Calderon , P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201914085 R
P.E. Lic. No:
58569


State of Florida
Board of Professional Engineers
Attests that
Carlos M. Perez , P.E.
FBPE
Is licensed as a Professional Engineer under Chapter 471, Florida Statutes
Expiration: 2/28/2019
Audit No: 228201917193 R
P.E. Lic. No:
63521



CHAPTER 4

PROPOSAL RESPONSE REQUIREMENTS INFORMATION

COMPANY BACKGROUND & HISTORY

Calvin, Giordano & Associates, Inc. (CGA) is a multidisciplinary firm that has been located in South Florida for 80 years. Since 1937, engineering has been a cornerstone of CGA. Today, with over 350 employees, CGA provides a broad range of services, including civil engineering, engineering, environmental services, municipal engineering, transportation/traffic engineering, surveying, water resources/stormwater management, landscape architecture and coastal/marine engineering. We have offices located in West Palm Beach, Ft. Lauderdale, Miami and several other locations throughout Florida. CGA has strategically added an exceptionally broad range of services to meet our clients' needs. Our professional services include:

Founded in Hollywood

1937

350+

EMPLOYEES

SERVICES

- 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
- Landscape Architecture
- Planning
- Project Management
- Redevelopment & Urban Design
- Surveying & Mapping
- Traffic Engineering
- Transportation Planning
- Water/Utilities Engineering
- Website Development

Serving

60+

Municipalities Throughout Florida

LOCATIONS

Fort Lauderdale
West Palm Beach
Estero
Miami-Dade
Port St. Lucie
Clearwater

Taking advantage of our diversified staff's experience and knowledge is what distinguishes CGA as a professional consultant and what allows our team to repeatedly complete projects on-time, under budget and exceeding expectations while doing so. CGA has served as professional consultants to over 60 municipalities throughout Florida. This experience and indepth knowledge of municipal governments makes CGA uniquely qualified to support the town through the development of their new website.

A. EXPERIENCE, BACKGROUND, REFERENCE FEEDBACK

Calvin, Giordano & Associates, Inc. (CGA) wishes to be considered for award of an Agreement in the following disciplines

1. Engineering
2. Surveying and Mapping
3. Landscape Architectural Design Services
4. Civil
5. Mechanical / Electrical / Plumbing
6. Structural
7. Transportation
8. Environmental / Natural Resources
9. Water Resources
10. Coastal and Marine Engineering

DETAILED NARRATIVE DESCRIPTION OF SPECIFIC EXPERIENCE

Professional Services Background

1. Engineering:

Since inception, CGA has served as professional consultant to various municipalities throughout Florida. **In the past 5 years, CGA has provided services to 83 municipalities** including the Cities of Greenacres, Palm Beach Gardens, Riviera Beach, and West Palm Beach, as well as the Towns of Jupiter, Lake Park, Mangonia Park, Lantana, and Loxahatchee Groves. **CGA has served as a consultant for the City of Delray Beach for the last 5 years and the City of Delray Beach CRA for the last 8 years.** CGA has excellent client satisfaction, many of our client relationships exceed 10 years in length.

For these clients **CGA has performed consulting engineering for hundreds of projects**. We have done small park improvements that cost more to permit than to construct and massive public works projects including water treatment plant improvements totaling $100,000,000.

We have five engineering divisions that work seamlessly together: municipal, utility, land development, highway and electrical. The Municipal Division serves

as consultants or staff engineers to various local, county and state governments. The Utility Division provides design and permitting assistance with projects associated with improvements at water and wastewater treatment plants. The Land Development Division performs civil site work design applications for CGA's public and private sector clients including hospitals and developers. The Highway Division plans, designs and permits roadways ranging from turn lanes to divided thoroughfare. We are currently providing engineering services to the Towns of Jupiter, Lantana and Mangonia Park as well as the Cities of Riviera Beach and Delray Beach. The following are some of the successful municipal projects that we have completed:

- Street improvements including paving and drainage
- Streetscape and parking lots
- Site Plan Review Services
- Engineering Review Services
- Grant Assistance
- Sewage pump stations
- Sewage transmission mains
- Wastewater Treatment Facilities
- Water Treatment facilities
- Emergency power generators
- Maintenance buildings
- Wastewater odor control systems
- Computer modeling of water, wastewater and stormwater systems

- Water storage tanks
- Sanitary sewer collection systems design
- Sanitary sewer Infiltration/Inflow reports
- Utility rate studies
- Development of Engineering Standards
- Water Use Permits, both potable and irrigation
- Risk Management Program (RMP)
- Water main distribution systems design
- Stormwater management
- Stormwater pump stations
- Master planning and design
- Coordination of hydrogeological consultants for potable and irrigation water
- Construction inspection and observation
- Design of subaqueous and aerial crossings
- Utility bond program ($100,000,000+)
- State Revolving Fund (SRF) program administration
- Preparation of a Risk Management Program's

CGA also provide Construction Engineering & Inspection Division (CEI) and has serviced the Department of Transportation on several high profile federally funded projects. CGA has been LAP certified by the FDOT and continues to participate in the State provided LAP training for both our design and construction service lines. We have successfully implemented these important projects to various municipalities throughout South Florida, including the cities of Dania Beach, **Delray Beach**, Hollywood, North Lauderdale, North Miami Beach, Pembroke Pines, Riviera Beach, Sunny Isles Beach, Weston, the Towns of Jupiter, Bay Harbor Islands and Surfside, many of which have been repeat clients for more than ten (10) years.

CEI services are provided by CGA to ensure that our clients' projects are built in accordance with their plans and specifications. CGA is FDOT prequalified in 10.1, Roadway Construction Engineering Inspection. CGA is able to provide multiple tiers of service to meet the client's needs, from inspection only, through full project staffing, including inspection, material testing and project management.

CGA provides experienced inspectors, construction engineers and project managers for roadway and bridge projects. These individuals are state certified in such areas as work zone safety, concrete testing,

asphalt inspection, traffic control, contract plans reading, drilled shaft inspection, and pile driving. CGA's construction engineers participate in the constructability reviews of our design projects, providing valuable input to our roadway design engineers.

CGA has completed construction inspection services for roadway, bridge, building, parking garages and airport projects (including runways, taxiways, airport aprons, and airport terminal facilities), as well as numerous projects that required the inspection of dock facilities, bulkheads and piers. Utility projects include the inspection of sewer mains, water mains, manholes, lift stations, pumping stations, sanitary sewer improvements, stormwater drainage improvements, wastewater treatment plants, and utility relocations.

2. Surveying and Mapping

From concept to construction, compliance to cost management, CGA is distinctly qualified to help clients meet the demands of today's complex land surveying, engineering and environmental projects. Within the resources of our team is the ability to provide additional and specialized services including GIS applications, cutting edge mapping, GPS and hydrographic survey applications, subsurface utility locations, terrestrial laser scanning and other applications within the realm of the surveying and mapping profession. With the combined resources of five field crews, four professional land surveyors, three GIS professionals, and three survey technicians, we have the necessary expertise and manpower to handle multiple assignments and are capable of both large and small projects.

Our experience has shown that the survey of a culvert crossing is just as important to the engineering project manager as a fifty- mile transmission line route survey is to FPL's transmission line group. We well understand working in Florida's physical environment and have the necessary airboats, ATV, boats and related equipment resources to economically do so. In addition to our West Palm Beach office, offices around the state allow us to base our work from the closest office to the project. This allows us to pull from a large pool of qualified technical support. In approaching your assignments, you may find us eager to gather information. That is to say that we want to find out as much as possible about the project. Issues such as accuracy requirements, who will be the end users, specific information to be collected/determined, presentation of the data and schedule for completion will allow us to best tailor the staffing, equipment, and work plan to meet the needs particular to that assignment.

3. Landscape Architectural Design Services

CGA is pleased to submit our qualifications, attesting to our ability to meet the demands of any landscape architectural scope and project through experience and know-how. Since 1996, the Landscape Architecture division has been a vital part of CGA. Proudly, the staff is comprised of a well-integrated team of innovative designers and site planners, complemented by specialized professionals who provide arboriculture and environmental services to all aspects of project development. With a complete understanding that the best designs do not emerge from cookie-cutter replicas, our process is truly collaborative, and our success is due to a respect of the uniqueness of the City of Delray Beach's 'sense of place.' As such our goal is to continue to exceed the City's expectations and deliver the best landscape architectural services possible to the City of Delray Beach.

The Landscape Architecture division offers City of Delray Beach comprehensive landscape design services integrated into a multi-disciplined environment with a variety of professional perspectives and experiences. As a team, we consult with one another and encourage that the City gets involved in the design process, challenging assumptions and posing provocative questions to ensure that present-day and future considerations are taken into account: beyond just aesthetics, these include long-term maintenance considerations, future plans for modifications or development,

are taken into account: beyond just aesthetics, these include long-term maintenance considerations, future plans for modifications or development, and best-use strategies to ensure the longevity of the proposed project. Case after case, we've been successful with project development by providing careful due diligence, working alongside our in-house multi-departmental staff, and in conjunction with on-site conditions. Additionally, all of our selected team members are holistic in approach and comprehend that the success of any project is not measured by the effectiveness of its landscape specificity, but rather how well it overlaps across disciplines and integrates with other services to deliver a product that embodies the potential of the surrounding context and the people whom the project will serve.

While Landscape Design is a stronghold of our services, we also provide a broad array of project experiences. A few of these include hardscape, greenway and streetscape design; recreational and park facilities design; municipal landscape code review and inspection services; redevelopment master planning; arborist and vegetation services; and, of course, design of development of planting plans for various conditions, including parks and open space, roadway and roundabout beautification, custom bus shelters, decorative hardscape, environmental mitigation, buffer creations, and site planting design.

The CGA team and Landscape Architecture Department has served many municipalities throughout the South Florida region. However, unlike any other municipal client, we have had a very unique opportunity to work closely with the City of Delray Beach for many years providing design services to the Delray Beach CRA and ESD staff. In doing so, we have been working side by side with City staff to help mold, shape and brand the City of Delray Beach.

The design of gateway features was key to the branding efforts of the city which due to their size, style and bold artistic elements have become the standard for gateway features in other municipalities throughout South Florida. The major upgrade of this roadway and the beautification was extremely important and a significant step in creating a community image for the City. Many individuals have commented that one definitely knows when they enter the City of Delray Beach when you drive down that road.

In addition, CGA's unique relationship and long term contract with the City has allowed us to benefit from our close relationship with City staff. We have a clear understanding of the development of the Capital Improvement Program and Strategic Plan over the years that has directed and focused the City's resources on the most vital projects at the time.

At CGA we are defined by more than just one municipal client, we have provided similar services and have applied this same winning formula to several other municipal Clients. We have provided these services to the City of Lake Park, City of Wellington, Town of Surfside, and Town of Sunny Isles Beach. In the City of West Park, we worked with City staff to develop plans and apply for grant funding to create Gateway Features and entrance signs to identify and brand the City. We also helped the City obtain grant funding to greatly improve their two City parks and enhance the appearance of their primary roadways. For the City of Miami Gardens, we assisted the City with constructing and installing much needed landscaping and irrigation on N.W. 27th Avenue and N.W. 183rd Street. In both cases, the landscape architecture department prepared grant packages to receive state and county funding to complete these major projects. In addition, we designed and implemented a pedestrian trail system which included over ¾ miles of new pathways and several Vita Course Stations as well as a 1 ½ mile route through the surrounding neighborhood to connect the park to an existing trail at Dolphin Linear Park. The design of the trail created new standards for site furniture, walkway lighting, and park signage for the City. Currently, the CGA team is working in conjunction with City staff to prepare design-build packages for the implementation of a $60 million bond to develop major improvements

to over a dozen parks.

In the City of Oakland Park, in order to establish community branding and beautify neighborhoods, parks and roadways, the CGA team has also assisted City staff with more comprehensive and City-wide planning and Landscape Architecture services. We have been instrumental with the development and implementation of a Landscape Design Standards Manual, which will guide redevelopment and ensure that the quality of landscaping within the Cities properties remains at a high level. This is a unique program for cities in our area. Additionally, we coordinated with the City of Miramar to provide an award-winning Tree Care Video that the City used to educate Home Owner Associations, Property Manager's and the City's marketing staff to disseminate information to the public on proper tree care and landscape related issues. This video received a state award with the American Society of Landscape Architects. Additionally, this tool helped the City staff to improve relationships with residents and proved extremely useful to get out information to the residents on tree pruning and replenishing the City's Urban Forest.

Other comprehensive projects that the CGA team has assisted the City of Weston with is the Bonaventure Master Plan, the bikeways/trails Master Plan, and the replacement of the City's traffic signs with custom decorative posts. In addition, we worked with the City and Broward County Transit staff to install a series of custom designed bus shelters along Weston Road from one end of the City to the other. All of these projects have only served to strengthen the community image and branding of the City of Delray Beach.

It is precisely due to these successes and the special relationship that CGA staff has built with the City staff along with our extensive knowledge of the City and its rich history, that makes CGA uniquely qualified to provide these professional design services to the City of Delray Beach for these projects. We offer the highest quality and best aesthetics while being environmentally and fiscally sound. We believe that no other firm can provide this to the City of Delray Beach.

We have successfully worked with the Delray Beach CRA and ESD for the past eight years where we have completed several high-profile projects such as:

The Pineapple Grove parking lot, the SW 5th Avenue permeable paver parking lot, the SW 9th Avenue and 1st Street roundabout, tot lot, and permeable paver parking lot, SE 2nd Streetscape enhancements from Swinton to I-95, NE 2nd Avenue from Lake Ida to George Bush, the Delray Beach Fire Station Plaza, and we are currently assisting the City with the NW 12th Avenue streetscape project. The Artist Alley project is currently underway as well as SW 4th Avenue from Atlantic Avenue to 2nd Street.

4. Civil Engineering

CGA has extensive experience in municipal engineering consulting including serving as the Municipal Engineer for several municipalities in South Florida including the Towns of Lake and Mangonia Park, as well as the Cities of Pembroke Pines and Weston. In those municipalities CGA acts on behalf of the municipality to handle the duties of the municipal engineer including signing plats, reviewing applications, making roadway or traffic determinations, or any other decision required, and presenting to Council.

We have extensive experience in the design of municipal roadways and streetscaping projects, including 8 for the City of Delray Beach. Our staff have completed dozens of miles of roadway projects in very challenging corridors. We also have experience with LAP funded projects for the Towns of Davie, Jupiter and Surfside and the Cities of Parkland, West Palm Beach and Weston. These projects required design for milling and resurfacing, signing and pavement markings, gravity wall, signalization and lighting upgrades, curb and gutter, sidewalk, safety improvements, traffic monitoring site upgrade and installation, and utility coordination including all above ground and underground utilities. We have completed projects that involved widening of the roadway to accommodate bike lanes, additional through lanes and adding new turn lanes and construction of sidewalks after the

installation of new water mains, sanitary sewer, and under grounding of electrical power, cable television, and telephone.

In addition, drainage improvements including curb and gutter, retention areas, pollution retardant devices, modifications to the existing system and new stormwater collection systems have been designed. Other projects involved upgrades of roadways from a two-lane rural section to a four-lane major collector with eight-foot-wide walks, bike lanes and planted medians in an educational campus environment in order to create a safer driving environment by providing safer turning opportunities as well as a safer environment for pedestrians and bicyclists by providing designated uses for each. The CGA team understands the importance of well thought traffic control plans incorporating local events and traffic patterns with construction sequencing activities and has staff with the Advanced Maintenance of Traffic Certification as required by the City to prepare the Maintenance of Traffic Plan.

A specific example of a project that CGA has performed for the City would be NW 12th Avenue Improvements. This project is on NW 12th Avenue from Atlantic Avenue to NW 2nd Street (MLK). This project features the repaving of NW 12th Avenue, the creation of sidewalks on NW 12th Avenue, the re-grading or

even creation of the swales for drainage, improvements to the intersection at NW 1st Street and NW 12th Street which has a one-lane offset across the intersection. The intersection is being partially re-aligned to reduce the extreme offset. The creation of or regrading of the swale will cause the drainage to function more as originally intended. This required the replacement of all driveways within the project limits. This project features the paving of the alleyways to the east and west of NW 12th Avenue. These alleyways were designed with exfiltration trenches to accommodate the requirements of the South Florida Water Management District. The drainage system for new alleyways is being connected to existing City drainage pipes on NW 13th Avenue to the west and NW 11th Avenue to the east. The sidewalks that were created for this project feature ADA compliant curb ramps. The resident's desire for brick paver crosswalks was also accommodated at the intersection of NW 12th Avenue and NW 1st Street.

5. Mechanical / Electrical / Plumbing

Johnson, Levinson, Ragan, Dasilva, Inc.'s will serve as our Mechnical/Electrical/Plumbing engineers. Their history of successful projects over the past twenty six (26) years is due in part, to our design process approach. This is particularly important for renovation, alteration, and addition type projects, where Mechanical and Electrical systems and services must be expanded and the work phased to allow for continued Owner use of the facility.

The key for any successful project is to understand the scope of work which needs to be performed in order to meet the client's objectives. On larger projects, usually there is a formal Owner's program providing a general description of the work to be performed; on smaller projects, frequently there is not. Our initial step at the kick-off meeting is to gain further insight into the technical aspects of the project, as well as the Owners needs and expectations. In addition to the stated objectives and criteria, we oftentimes identify related issues during this initial meeting which merit consideration in formulating an optimal solution to the task at hand.

6. Structural

Alan Gerwig & Associates (AGA) will provide the structural engineering for our Team. AGA has been providing professional engineering services on municipal engineering projects for years and is experienced in servicing continuing contracts with municipalities and government agencies. They currently hold a Continuing Structural Engineering contract with Palm Beach County Engineering and School District of Palm Beach. Their municipal experience includes providing design structural design services that include
is beneficial to a Continuing Services contract that

- Sea walls
- Retaining Walls
- Pump Stations
- Buildings
- Highway Bridges
- Structural Condition Surveys
- Box Culverts Foundations
- Tunnels
- Pedestrian Bridges
- Structural Inspections Peer Review

AGA has designed a wide variety of marine and civil structural projects for various municipalities, such as the Town of Palm Beach, Village of North Palm Beach, the City of Delray Beach, the City of West Palm Beach, Town of Lake Worth and Palm Beach County

Expertise in marine structures includes the design of bulkhead walls, boat ramps and marinas, incorporating floating dock systems and wave attenuation structures. AGA has extensive experience in the design of large water control structures, pedestrian tunnels and storm water pump stations.

7. Transportation

The CGA transportation engineering team is adept at looking at traffic and transportation engineering challenges through a multidiscipline prism. CGA as a company is unique in that we provide Contract Government Services, Engineering, Planning, Construction Engineering and Inspection, Construction Services, Surveying and Mapping, Landscape Architecture, Data Technology and Development, Emergency Management and Indoor Air Quality Services. This multidiscipline skill set includes Transportation Engineering as there often is an overlap and a need for these complimentary services.

The CGA transportation engineering team is ready to continue to move forward with helping The City of Delray Beach achieve its strategic vision and goals. This requires constant communication and coordination with partner agencies. As an extension of the City's staff, if selected for this contract, our team will support and represent The City in collaborating with the partners to help advance the vision. The CGA traffic team has successfully worked with FDOT, Palm Beach County, the Palm Beach Metropolitan Planning Organization, various Regional Planning Councils, the Florida Department of Economic Opportunity (former Florida Department of Community Affairs-DCA), various Regional Planning Councils (including SFRPC), multiple Water Management Districts and other regulatory agencies. We have an established working relationship with all these agencies and particularly strong relationship with the Palm Beach County Engineering and Public Works Traffic Engineering Division staff.

Traffic Data Collection

One of the first steps after a project has been selected to begin work, is to conduct traffic data collection. The CGA traffic team has CALTRAN for the traffic data collection requests. CALTRAN, as one of the more recognized data collection firms, has a proven capability to perform data collection and follows a procedure that incorporates the latest technology when deploying traffic data collection activities. CALTRAN has developed a cloud based application that ensures the field-office process follows QA/QC methods. This application is used daily by their technicians. CALTRAN has been using the Software Processing Software (SPS) for over 15 years and has developed standard operating procedures for submitting all data in the correct format. Advances in technology have provided several innovative alternatives for data collection and CALTRAN is utilizing these methods. These innovations provide opportunities to improve the accuracy and speed of conducting traditional data collection studies

data collection studies without jeopardizing quality. CALTRAN's video data collection system has been in place for several years and has proven to be effective especially the video data processing software to validate the data collection efforts which enhances accuracy.

Traffic Operations

When the need arises for a traffic study, the traffic team will actively pursue the use of the latest industry technology, such Advanced Traffic Management Systems and Intelligent Transportation Systems, to achieve efficient traffic operations. Staff will utilize macroscopic and microscopic simulation models with Synchro/Simtraffic, HCS+, VISSIM and CORSIM to keep traffic flow moving with minimal conflicts which creates optimal travel time. This analysis can be used for:

- Traffic Impact Studies;
- Traffic Signal Retiming Studies- Traffic Signal Optimization and Operational Analysis;
- Transit Signal Studies;
- Parking Studies- Parking Utilization, Shared Parking Analysis;
- Traffic Signal Warrant Analysis;
- Turn Lane Warrant Analysis;
- Project Trip Generation, Trip Distribution, Trip Assignment and Internalization;
- Arterial Link Analysis;
- Queuing Analysis and Studies;
- Traffic Modeling and Simulation;
- Congestion Management Process;
- Access Management Studies; and
- Design Traffic Forecasting.

Traffic Safety

Many traffic and transportation issues are related to traffic safety. The CGA team develops and implements innovative methods, materials and technologies for transportation safety of the transportation network. We will work closely with Florida Department of Transportation (FDOT), Metropolitan Planning Organizations (MPO) and local agencies in Florida, as warranted, to establish and develop data driven solutions to safety issues in the transportation system.

In identifying and managing safety issues, CGA will utilize safety analysis tools such as Signal 4 Analytics, the Highway Safety Manual, PEDSAFE and BIKESAFE. CGA is committed to use the appropriate data collection and analysis strategies to determine the countermeasures and prioritization for implementation. These tools can be used for:

- Safety Planning and Analysis;
- Crash Data Management and Analysis;
- High Crash Location Review;
- Roadway Safety Audits;
- Pedestrian Safety Studies;
- Bicycle and Pedestrian Safety Action Plans;
- Qualitative Assessment; and Strategic Highway Safety Plans
- Strategic Highway Safety Plans.

Traffic Design

The CGA team leverages traffic engineering expertise in order to provide design solutions that consider traffic operations, traffic safety, context sensitivity and constructability within the transportation infrastructure network. Expertise and Services include:

- Traffic Signal Design;
- Pavement Marking and Signage Design;
- Neighborhood Traffic Calming Design;
- Roundabout and Traffic Circle Design;
- Midblock Crosswalk Design;
- Safe Routes to School Design;
- Corridor Improvement Concept Design;
- Maintenance of Traffic/Traffic Control Design; and
- Intelligent Transportation Systems Design.

Complete Streets Planning and Design

The CGA team creates transportation solutions for all users and modes of transportation in order to improve the quality of life and support livable communities. CGA Transportation Engineers and Planners create streets for everyone no matter who they are and how they travel.CGA is committed to planning and designing transportation infrastructure facilities with an emphasis placed on the joint use of transportation corridors by pedestrians, cyclists and public transit vehicles.

CGA is committed to planning and designing transportation infrastructure facilities with an emphasis placed on the joint use of transportation corridors by pedestrians, cyclists and public transit vehicles. CGA Transportation Engineers and Planners are recognized as leaders in the combining Placemaking with Thoroughfare Design together. CGA has created Complete Streets Manuals and Updated Government Agency Policy Regulations and Framework which allows flexible design decisions to fit varied conditions. CGA's planning and design solutions will include design of the entire traveled way in order to enable safe and efficient access for all transportation users in the built environment. Expertise and Services include:

- Complete Streets Manual Development;
- Complete Streets Regulatory Policy Implementation;
- Bicycle and Pedestrian Facility Infrastructure Planning; and
- Lane Reduction Studies.

The CGA team has extensive experience in the design of roadways and highways. Our Roadway & Highway Design Division works with the Florida Department of Transportation, as well as many of our municipal clients to design interchange modifications, roadway widening projects including regarding, drainage and striping, median modifications, complete streets grant improvements, and intersection upgrades as well as turn lane additions or other offsite improvements required for new developments. Expertise and Services include:

- Resurfacing, Restoration and Rehabilitation projects ;
- Roadway design, bicycle lanes, sidewalks, signing and pavement markings, signalization; and
- Street design incorporating urban concept emphasizing mixed-use facilities .

Transit Planning and Design

The CGA team completes transit planning efforts for government agencies including establishment of short term and long term vision plans. CGA is committed to assisting with the assessment of service performance and goals, expansion of dedicated transit routes and service, evaluation of corridors and determination of ridership and transit demand forecasts. CGA Transportation Engineers and Planners have expertise with urban design, neighborhood community planning and sustainability which assists in the development of public transportation solutions that transforms places into vibrant, livable, sustainable communities. CGA Transportation Engineers and Planners has the expertise to assist with the Transit Oriented Development Planning with the creation of compact, walkable, mixed-use communities centered around high quality transit and rail infrastructure. Expertise and Services include:

- Transit Development Plans;
- Transit Corridor Planning;
- Mobility Hub Station Area Planning;
- Transit Oriented Development (TOD);
- Feasibility and Alternatives Analysis; and
- Transit Capacity and Quality of Service.

Development Review Committee (DRC) Process Experience

The CGA traffic department is familiar with the DRC process in the City of Delray Beach and is currently provided these services as part of our current contract. CGA staff understands the different elements of the City's Comprehensive Plan including the Transportation element. This includes Palm Beach County's Traffic Performance Standards (Article 12) and the Transportation Concurrency Exception Areas (TCEA) within the City of Delray Beach. While Transportation and Mobility Manager at the City of Fort Lauderdale, our Director of Traffic Engineering managed the traffic engineering and transportation planning review process for the Transportation and Mobility Department. As a member of the DRC Committee for the City of Fort Lauderdale, Eric Czerniejewski, PE, ENV SP was responsible for the Consultant Management of the Traffic and Transportation Engineering Consultant Services Contracts. Through the Cost Recovery process, Eric handled all of the traffic review comments and recommendation of mitigation measures and ultimately the approval of the proposed traffic analysis for all of the site development projects within the City of Fort Lauderdale. This is important for the City since

Eric knows the process and has worked alongside other City Departments including the Sustainable Development Department to review Site Plan Level II, Site Plan Level III and Site Plan Level IV applications and make recommendations to the Planning and Zoning Board for each one. Eric's cross departmental coordination with the Sustainable Development Department while serving as Transportation Transportation Manager provides him the knowledge of the core planning principles of livability, urban revitalization, growth management and historic preservation that is so important to the City of Delray Beach. This current relevant past experience will ensure there is no learning curve for the Transportation staff at CGA. A list of recent DRC traffic reviews includes the following projects; Loft 324, 219 Dixie Blvd., Osteria Bossi, New Century Commons Plaza, Organic Market, Delray Square, Delray Square Outparcel, Delray Beach CVS and Swinton Commons.

Grant Application Submittals

There are certain times of the year when the Palm Beach Metropolitan Planning Organization issues out a request for applications for submittal as part of the localized initiative and transportation alternatives programs for federal grant funding initiated out of the Fixing America's Surface Transportation Act or "FAST Act".The most recent localized initiatives and transportation alternatives program has helped fund improvements in Delray Beach including Swinton Blvd bike lanes, Homewood Blvd bike lanes, George Bush Blvd bike lanes and sidewalk, Lawson Blvd bike lanes

These programs can potentially fund mobility projects such as, but are not limited to, Complete Street projects (including Intelligent Transportation Systems, Access Management, Pavement Marking and Signage, Lighting, Turn Lanes and Traffic Signals), Transit capital (purchases of vehicles, shelters, park-and-ride facilities and trolley service expansion), Non-motorized infrastructure (Buffered and designated bike lanes, Sidewalks and Shared-use paths) and Freight efficiency (Airport or seaport off-site capacity improvements, Railway capacity improvements, Truck movement improvements).

CGA currently serves on the Broward MPO Technical Advisory Committee as a representative for the City of Weston and the City of Pembroke Pines. The CGA team as your representative will work with the Director of Public Works, Principal Transportation Professional and/or the Bicycle and Pedestrian Coordinator at the City to discuss the application process and to aide in the submittal. CGA has extensive recent grant experience and is ready to assist the City of Delray Beach as necessary in securing grants to aid in implementation of the City's CIP projects.

8. Environmental / Natural Resources

CGA's multi-disciplinary approach is reflected in the integrated partnership of our environmental department with the many other disciplines within our firm. This has allowed us to develop a broad environmental service base to fully serve all the needs of our clients, and fully address all natural resource considerations.

Our diverse and in-depth work experience has provided us with a critical understanding of current local and regional environmental planning and permitting issues, and the historic impacts that have affected our natural resources. The integration of our highly technical field skills, in-depth knowledge of regulatory details and overall project requirements, allows us to efficiently address project needs from inceptions to completion.

Below is a brief overview of our services:

Assessments – We provide wildlife, habitat and benthic assessments and reporting; wetland jurisdictional delineations; most feasible development and mitigation options and the probable costs for mitigation options; we are well versed in applying the adopted Unified Mitigation Assessment Methodology (UMAM) to determine mitigation needs, as well as other accepted mitigation needs methodologies (such as WATER, WRAP and M-WRAP); we provide tree inventory and tree mitigation plans; and provide tree evaluations.

Permitting – We obtain environmental resource permits at the local, County, State and Federal level, compiling all the necessary site data, project data and plans, working closely in conjunction with all required disciplines in addressing overall project requirements. We also coordinate the purchase of licensed mitigation bank credits. We obtain water use permits for public and private water uses. We obtain mangrove trimming and alteration permits. We obtain Coastal Construction Control Line (CCCL) permits, general and field permits. We obtain burrowing Owl relocation licenses. We work closely with the design team to ensure impacts to natural resources are avoided or minimized while still achieving the team's vision with construct-able and permit-able plans to avoid delays with the permitting agencies. Environmental staff conducts benthic inspections and other inspection within the time frames required by the jurisdictional agencies to ensure acceptance of the report(s) by the agencies. We run permitting through multiple **agencies concurrently to avoid delays. We have conducted projects on Sovereign** submerged Lands and modified submerged lands leases. We have also obtained immediate approvals for emergency repairs.

Mitigation Design - We design wetland mitigation areas and provide bidding services for the construction of mitigation sites as well as providing oversight on the construction of the site. We have worked on wetland mitigation from the initial review of a site, through design, permitting, construction, completion of five years of compliance monitoring, and continued oversight.

Monitoring – We conduct wetland mitigation compliance monitoring and reporting. We have provided long term compliance monitoring on over 2,200 acres of various types of wetland and transitional habitats.

Management - We provide the environmental resource site management and planning services.

Technical support – We have completed State Environmental Impact Reports. We provide grant administration. We are integrally involved with the creation of comprehensive plans, EAR processes and the development of EAR-based amendments and environmental land development codes. We conduct the site assessments and compile and submit the environmental LAP documents for FDOT projects. We provide annual NPDES reporting services. We provide Annual CRS recertification reporting and conducted verification review visits and have increased the CRS rating score.

Having provided multiple services to municipalities for decades now, CGA knows how Cities function; and we are positioned to provide resiliency and conservation solutions that seamlessly and fully integrate throughout all City functions. Of the many forces challenging resiliency, climate change is a vitally critical issue. Climate change brings varying precipitation patterns increasing the potentials for drought or flood; it has the potential to increased storm and hurricane intensity; it causes prolonged periods of high temperatures threatening vulnerable members of the community and greatly increasing energy use; the increased sea temperatures

compromise the viability of the off shore protective reef systems; it creates conditions to introduce and increase the presences of tropical diseases that had not historically been concerns; and it is causing rising sea levels.

Due to the geophysical location and characteristics of the City, sea level rise in particular has the potential to be enormously disruptive and destructive both physically and economically if not addressed in a systemic way that is integrated throughout all City functions. Rising seas cause saltwater intrusion into our freshwater source for potable water; it increases storm surges; it jeopardizes the viability of protective nearshore freshwater vegetative systems; it decreases the functionality of our stormwater drainage systems; it intrudes into our storm and sewer systems where leaks occur in aging infrastructure; and it creates routine flooding in our neighborhoods and roadways. All of these impacts will only increase in frequency and intensity over time if systematic actions are not identified and implemented.

CGA recognizes and understands these challenges facing the City and is prepared to assist in defining and focusing on continued actions to build resiliency into the City's programs and processes relating to each of the points above.

Whatever the assignment we understand that successful project implementation requires diligent oversight, documentation and follow-up; as well as ongoing clear, concise communication with the City, selected Contractor(s), permitting agencies and other project partners. CGA's staff is experienced and highly skilled in the tasks requested by this RFQ and our goal is to provide seamless, efficient, effective service as an extension of the City.

9. Water Resources

CGA provides professionals who have experience in all aspects of water distribution and wastewater collection system design, permitting, and construction, as well as system evaluation, and analysis. Our water experience includes the design and permitting of new water distribution networks, water distribution system replacements and upgrades, and booster pump stations. Our wastewater experience includes the design, permitting, and construction of collection systems, transmission systems, lift stations, master pump stations, in-line booster pumping stations, and force mains. CGA has modeled the existing wastewater transmission systems (lift stations and force mains) for the Cities of Weston, Pembroke Pines, Opa-Locka, Cooper City, Dania Beach, and the Town of Davie.

Our team has experienced drainage engineers that have performed numerous projects that include commercial and municipal site design and permitting as well as roadway design and rehabilitation projects. For our numerous municipal clients, we have provided a number of stormwater-related activities such as stormwater modeling, drainage calculations, pump station design and/or pump station rehabilitation, NPDES MS4 compliance, culvert design, canal extensions and other related hydraulic structures. CGA has completed basin wide hydrologic and hydraulic modeling, including the master drainage system modeling, analysis and pumping station upgrades, large scale mitigation/wetlands plan and the updates of comprehensive plans. CGA uses the latest in advance computer-assisted software technologies such as the Interconnected Pond Routing (ICPR), Hydraflow, CASCADE, AutoCAD Civil3D and other current computer programs.

Overview Of Water And Wastewater Treatment Engineering Capabilities

CGA has performed water and wastewater treatment engineering design, permitting and construction services for numerous municipalities with service areas comparable in size to the City. The CGA Team members that have been assembled to serve the City have vast experience in lime softening and reverse osmosis water treatment, conventional activated sludge wastewater treatment, and wastewater reclamation.

CGA has provided the following consulting and design services for municipalities throughout South Florida:

1. Provided master planning and design of water and wastewater treatment plants, storage tanks, booster stations, and transmission systems. Our master water planning services include design, expansion, and computer modeling. Our firm is also able to provide assistance with obtaining alternative funding (grants), as well as assistance with municipal utility budgets and capital improvement plans.
2. Coordinated the hydro-geological design services for raw water withdrawal wells and deep injection wells.
3. Prepared engineering studies and designs for raw water withdrawal wells, piping systems, and pumping equipment.
4. Prepared Re-Use Feasibility Studies, Long Term Water Supply Plans, the Water Conservation Plans, and the Water Use Applications including all required hydraulic and groundwater modeling.
5. Prepared applications for renewal of wastewater treatment plant operating permits with deep well injection.
6. CGA completed renewal and up-rating of three municipalities Water Use Permits. Our project team prepared the re-use study, the Long-Term Water Supply Plan, the Water Conservation Plan, and the Water Use Application including all required hydraulic and groundwater modeling. Our firm has also recently completed renewal two cities Wastewater Treatment Plant Operating permits. We are very familiar with the Palm Beach County Health Department, FDEP SE District, the SFWMD and are on a fist name basis with many of the personnel.
7. Designed on-site chlorine generation facilities for water and wastewater treatment plants.
8. Prepared Risk Management Programs (RMP) for handling of chlorine gas storage and feed equipment.
9. Prepared utility rate studies with client selected Certified Public Accountants for several municipalities. We have the capability to examine the utility infrastructure in the field as well as examine the overall utility systems and programs and suggest changes and improvements to the systems to decrease costs as well as increase customer satisfaction.
10. Provide design, permitting and construction management of the 1st large scale wastewater reuse system in Broward County for the City of Hollywood.
11. Assisted financial advisors and investment bankers in developing bond programs for municipalities and prepared the Engineer's Report for the official offering circulars. CGA has appeared before the bond rating agencies in New York and has been successful in obtaining an "A" underlying rating for our clients, thus greatly reducing their underwriting insurance requirements.
12. Obtained State Revolving Fund (SRF) loans for various munici¬palities. Our firm has been involved in the Florida Department of Environmental Protection Grants and Revolving Loan programs since 1983. CGA successfully prepared 201 facilities amendments. We have undergone the Florida Finding of No Significant Impact (FFONSI) and Categorical Exclusion Notice (CEN) reviews. CGA and PUMPS has participated in all aspects of the projects under the grant and SRF programs including public hearings, request for inclu¬sions, capital finance plans, user charge systems, site certification, dispute resolutions and other items.
13. Prepared studies concerning various treatment technologies for removal of drinking water disinfection by-product precursors to comply with the Safe Drinking Water Act.
14. Modeled water distribution systems and storage facilities using programs such as WATERCAD.
15. Designed subaqueous and aerial pipe crossings.
16. 1Attendance at City Commission meetings to provide engineering support services.
17. Implementation of SCADA systems for water and wastewater treatment facilities as well as remote wellfields and pump stations.

10. <u>Coastal and Marine Engineering</u>

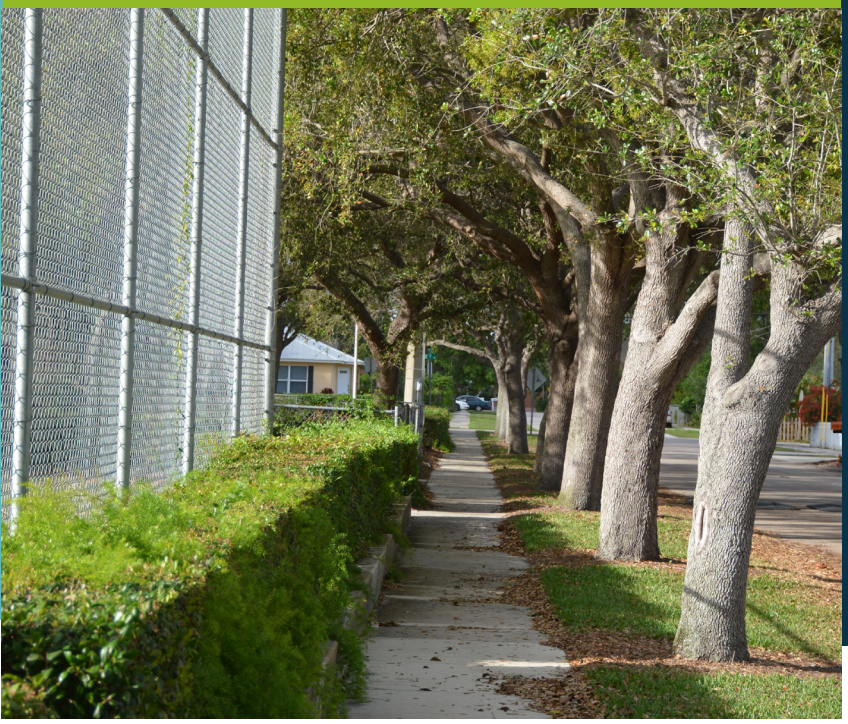
CGA has provided Coastal Marine Engineering Consulting Services to an extensive list of public and private sector clients on a wide variety of projects

within the coastal zone.

Often waterfront venues can pose a diverse set of logistical and strategic challenges. Intermingled among design considerations on coastal projects are a number of permitting requirements from Federal, State, and Local agencies. With a depth of experience and manpower, our staff has successfully navigated these kinds of projects and is equipped to deliver cost-effective and sustainable solutions to coastal marine engineering problems. CGA is accustomed to carrying coastal projects from the planning and permitting stages through construction, delivering quality and timely consulting services to an industry with high expectations.

Among the Coastal Marine Engineering Services that CGA provides are the following:

- Marine Structure Condition Assessments
- Grant Acquisition and Administration
- Beach Renourishment
- Seawall Design, Permitting & Construction Administration
- Navigation Inlet Management
- Waterfront Development Planning
- Marina Planning, Design
- Benthic Assessments
- Mangrove Permitting
- Risk Assessments for Coastal Flooding and Erosion
- Local, State, & Federal Permitting
- Waterway Maintenance Dredging
- Hydrographic Surveys
- Construction Administration
- Boat Ramp Design & Permitting



Waterfront amenities frequently serve as a boon to local economies, drawing tourism, enhancing property value, and providing a unique place for people to gather and experience the water. With increasing concern over sea level rise, many locales are tasked with making modifications and improvements to their aging infrastructure to protect their valuable assets. These modifications are often comprised of municipally mandated raising of seawalls, incorporation of flap gates, valves, and other drainage controls, but other sustainable engineering design solutions can often be utilized to provide an effective long-term solution. CGA understands the need to implement proactive solutions to address these burgeoning concerns.

As with all of CGA's projects, the Project Manager will seek to incorporate an effort of Public Outreach to ensure that the design effectively addresses the needs of the project stakeholders, participants, and others affected. Whether through workshops, presentations, or other meetings, these are opportunities to educate, disseminate, and obtain feedback from the people who will ultimately deem a project successful or otherwise. CGA understands this critical component of project success.

Among our relevant experience in these services are the following recently developed projects:

In Fort Lauderdale, CGA conducted an assessment of the Riverwalk area, which showed signs of a deteriorated seawall and dock system. CGA provided technical support in the form of a condition assessment with recommendations for fortifying areas that posed hazards to the public while they assist the City in compiling a full replacement project for a long-term solution.

CGA is also currently designing a new set of boat ramps to renovate George English Park in Fort Lauderdale. The new ramps will update the facility and afford the opportunity for launching of larger vessels. Similar boat ramps have been designed by CGA in Port Canaveral.

In Sunny Isles Beach, CGA responded to a failed seawall that had collapsed into the Intracoastal Waterway. The failure threatened to destroy the newly renovated and picturesque Intracoastal Park. CGA mobilized quickly to assist the City and was able to secure emergency permits through State, Local & Federal sources. A contractor was mobilized within a week to secure the wall and the park. The project was later increased in scope to replace 700 feet of wall, the full length of the park, within a four-month period to prevent any failures that may have occurred elsewhere due to the wall's advanced age.

In Stuart, CGA staff provided marina design and permitting services to the Sunset Bay Marina & Anchorage. CGA provided benthic assessments, modifications to slip configurations, and submerged land lease permitting. CGA also performed several condition assessments and furnished repair drawings and specifications for the nearby Stuart courtesy dock.

In Miami Beach, CGA has recently completed the design and permitting of the Middle Beach Recreational Corridor Phase II, a two-mile-long stretch of multimodal paver pathway along the beach that will serve as a transportation corridor for bicyclists, pedestrians, and all other beachgoers. The project involved intensive collaboration with FDEP, FDOT and local stakeholders to ensure incorporation of input into the design. The project utilized the opportunity to renourish the beach and dune system, remove exotic vegetation, and restore native species. CGA has also been retained for Phase III of the project, which will commence design in the near future.

These projects, along with the other projects featured in this proposal, showcase CGA's competency and commitment to developing successful marine and coastal engineering projects, and seeing them through to project acceptance.

CGA has extensive experience in the design, permitting and construction observation of numerous roadway construction projects **FOR GOVERNMENT AGENCIES IN SOUTH FLORIDA AND PALM BEACH COUNTY.** We have provided a list of 20 such projects. Please note, all 20 of these projects were designed by the team proposed for this project, not just designed by CGA, and most of them were led by our project manager for this project, Patrick Figurella. CGA has specialized in municipal consulting for many years. For those municipal clients, we have undertaken more than 50 roadway projects of all types including streetscapes, alleyways, repair projects, bike lane additions and traffic signals.

A specific example of a project that is smaller but similar in nature to the project that the City is seeking services on would be NW 12th Avenue Improvements. This project is on NW 12th Avenue from Atlantic Avenue to NW 2nd Street (MLK).

This project features the repaving of NW 12th Avenue, the creation of sidewalks on NW 12th Avenue, the re-grading or even creation of the swales for drainage, improvements to the intersection at NW 1st Street and NW 12th Street which has a one-lane offset across the intersection. The intersection is being partially re-aligned to reduce the extreme offset. The creation of or regrading of the swale will cause the drainage to function more as originally intended. This required the replacement of all driveways within the project limits. This project features the paving of the alleyways to the east and west of NW 12th Avenue. These alleyways were designed with exfiltration trenches to accommodate the requirements of the South Florida Water Management District. The drainage system for new alleyways is being connected to existing City drainage pipes on NW 13th Avenue to the west and NW 11th Avenue to the east. The sidewalks that were created for this project feature ADA compliant curb ramps. The resident's desire for brick paver crosswalks was also accommodated at the intersection of NW 12th Avenue and NW 1st Street.

AWARDS, CERTIFICATIONS AND OTHER RECOGNITION RECEIVED

Exceptional Solutions for CGA means the satisfaction of clients, exceeding expectations, reaching out to the immediate communities served, preserving the firm's culture and enhancing the welfare and professional aspirations of our staff. While CGA's staff daily interactions and associations are not conspicuously targeted to acclaim, our award winning culture and our resolve for exceptional solutions naturally gravitates and results in our delivery of premier service to every client. Remarkably our award-winning culture continues to earn the firm credibility and a strong reputation in different jurisdictions where we perform services. **CGA has the expertise and proven performance to warrant an opportunity to provide the requisite professional services to the CITY.**

We have served public agencies and our experience with public agencies has continued to develop as a result of our ability to successfully serve as an extension of our clients. Our proven performance is recognized in the industry through awards that include:

WE MADE THE LIST!!! 2017, 2016 AND 2015.

2016 HOT FIRM
ZWEIG GROUP

rtm

2015 HOT FIRM
ZWEIG GROUP

2015 HOT FIRM WINNER

REFERENCES

Client References for Calvin, Giordano & Associates, Inc. have been provided on the following pages.

CLIENT REFERENCE I	
1. Organization Name	Town of Jupiter
2. Contact Name(s)	Thomas Driscoll, P.E.
3. Contact Email Address	thomasd@jupiter.fl.us
4. Address	210 Military Trail, Jupiter, FL 33458
5. Telephone and Fax Number	Office: (561) 741-2215; Fax: (561) 741-2515: Cell (561) 440-0213
6. Dates of Service (start/end)	2003 - Ongoing
7. Scope of Work	Serve as the one of the Town's engineering consultants, have performed 3 roadway projects, two sidewalk projects and several miscellaneous engineering projects for the Town. Currently are designing 0.7 miles of Island Way a roadway/shared use pathway project.

CLIENT REFERENCE II	
1. Organization Name	Town of Lake Park
2. Contact Name(s)	Dave Hunt / Public Works Director
3. Contact Email Address	DHunt@lakeparkflorida.gov
4. Address	535 Park Avenue, Lake Park, FL 33403
5. Telephone and Fax Number	Office: (561)881-3347; Fax: N/A
6. Dates of Service (start/end)	2015 - Ongoing
7. Scope of Work	CGA was awarded an annual contract in 2015 to provide the Town of Lake Park with Professional Services including Civil, Electrical, and Traffic Engineering, Landscape Architecture, Surveying, Construction Administration, GIS and Plan Review on both a Task Work Order Basis and a Cost Recovery Basis. CGA serves as the Town Engineer and Town Surveyor and assists the Town with their annual NDPES MS4 reporting requirements as well as provides the annual updates to the Town's Stormwater Utility ESU rate table and prepares the documents required to submit to the Tax Collector to collect the fees. CGA has been the Town's Consultant for 14 of the last 16 years and has been providing the Town with InkForce Code Enforcement Tracking Software since 2005.

CLIENT REFERENCE III	
1. Organization Name	Town of Mangonia Park
2. Contact Name(s)	Ken Metcalf
3. Contact Email Address	kmetcalf@townofmangoniapark.com
4. Address	1755 East Tiffany Drive, Mangonia Park, FL 33407
5. Telephone and Fax Number	Office: (561) 848-1235; Fax: (561) 848-6940
6. Dates of Service (start/end)	2007 - Ongoing
7. Scope of Work	CGA was awarded an annual contract in 2007 to provide the Town with professional engineering services for their water distribution, wastewater collection systems, water treatment plant, and other services

CLIENT REFERENCE IV	
1. Organization Name	Town Bay Harbor Islands
2. Contact Name(s)	JC Jiminez
3. Contact Email Address	jcjimenez@bayharborislands-fl.gov
4. Address	9665 Bay Harbor Terrace, Bay Harbor Islands, Florida 33154
5. Telephone and Fax Number	Office: (305)866-6241 Fax: (305)866-4863
6. Dates of Service (start/end)	2008- 2014
7. Scope of Work	CGA provided professional services to the Town of Bay Harbor Islands for their Community Enhancements Project Phase II & III. This project was undertaken to improve the neighborhood on the north side of the Town's west and east islands. The project repaved 6 miles of roadways, added pollution retardant baffles in all outfall structures, and replaced 120,000 linear feet of curbs. The project also features landscaping and irrigation improvements at all intersections and new bulb-outs added midblock. Decorative street lighting was added to the west island roadway by this project. CGA provided final plans, permitting and bid documents and on-site construction inspection services to the Town for this project.

CLIENT REFERENCE V	
1. Organization Name	The City of West Palm Beach
2. Contact Name(s)	Uyen Dang – Senior Project Engineer
3. Contact Email Address	KUDang@wpb.org
4. Address	401 Clematis Street, 4th Floor, P.O. Box 3366, West Palm Beach, FL 33402
5. Telephone and Fax Number	Office: (561)494-1087; Fax: N/A
6. Dates of Service (start/end)	1/2014 – Ongoing
7. Scope of Work	The scope of work includes pedestrian, safety and landscape enhancements such as construction of a landscaped median and installation of additional landscaping, decorative lighting, tree grates, benches, bike racks, receptacles, sidewalk, milling and resurfacing, striping, signing and irrigation from Sapodilla Avenue to Tamarind Avenue.

CLIENT REFERENCE VI	
1. Organization Name	City of Greenacres
2. Contact Name(s)	Kara Irwin-Ferris
3. Contact Email Address	kirwinferris@greenacresfl.gov
4. Address	5800 Melaleuca Lane, Greenacres, FL 33463
5. Telephone and Fax Number	Office: (561)642-2045; Fax: N/A
6. Dates of Service (start/end)	2004 - Ongoing
7. Scope of Work	As the City's traffic engineering consultant, CGA provides traffic review services for all submitted development and redevelopment applications. This includes traffic impact studies.The review of traffic impact studies includes evaluation of traffic concurrency versus the City's criteria and Palm Beach County's Traffic Performance Standards (Article 12). This includes evaluation of impacts to the surrounding road network and related intersections. Traffic reviews include evaluation of traffic circulation of the submitted site plans including signing and pavement marking plans. This review includes evaluation of ingress egress driveways for the subject development parcel, warrants for traffic control devices, off street parking and loading, sight distance as it relates to connections to the City's road network and the proposed landscape design, proposed turn lanes, etc.

CLIENT REFERENCE VII	
1. Organization Name	City of Palm Beach Gardens
2. Contact Name(s)	Todd Engle, P.E.
3. Contact Email Address	tengle@pbgfl.com
4. Address	10500 North Military Trail, Palm Beach Gardens, Florida 33410
5. Telephone and Fax Number	Office: (561)799-4100 Fax: N/A
6. Dates of Service (start/end)	2000- Ongoing
7. Scope of Work	CGA has been providing professional surveying review of Parcel Surveys, Plats and Sketch and Description for the City of Palm Beach Gardens planning and engineering departments on an on call basis. CGA also is on call to consults with city staff on planning and engineering issues that may arise and handles these calls as a professional courtesy as continuing relationship.

CLIENT REFERENCE VIII	
1. Organization Name	Village of Palm Springs
2. Contact Name(s)	David Harden, P.E.
3. Contact Email Address	dharden@vpsfl.org
4. Address	226 Cypress Lane, Palm Springs, FL 33461
5. Telephone and Fax Number	Office: (561) 965-4010; Fax: (561) 965-0899
6. Dates of Service (start/end)	2015 - Ongoing
7. Scope of Work	CGA was awarded an annual contract in 2015 to provide the Village of Palm Springs with Professional Services including Civil, Surveying, MEP, Water Resources, Construction Administration, GIS and Plan Review on both a Task Work Order Basis and a Cost Recovery Basis. CGA is currently performing several utility plant projects for the Village and an MEP project at the Village Library.

CLIENT REFERENCE IX	
1. Organization Name	City of Weston
2. Contact Name(s)	Denise Barrett
3. Contact Email Address	DBarrett@westonfl.org
4. Address	17200 Royal Palm Boulevard, Weston, Florida 33326
5. Telephone and Fax Number	Office: (954) 385-2000; Fax: (954) 385-2010
6. Dates of Service (start/end)	1996 - Ongoing
7. Scope of Work	CGA has been engaged as the City Traffic Engineer for the City of Weston since 1996. The city traffic engineering program includes the maintenance of traffic operations for all intersections and roadways throughout the City. CGA provides comprehensive traffic engineering services including intersection analysis, signalization analysis and design, roundabout analysis and design, roadway level of service analysis, public school traffic operational analysis, city-wide traffic modeling, city-wide traffic count database maintenance, corridor signal timing progression analysis, traffic calming and neighborhood traffic mitigation.

KEY PERSONNEL

CGA's key personnel under this project have extensive professional experience, working for municipal 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 stipulated services as requested by the City.

NAME	TITLE / POSITION	ROLE ON THE PROJECT	YEARS
CALVIN, GIORDANO & ASSOCIATES, INC.			
Patrick Figurella, PE	Director of Engineering	Project Manager	23
David Frodsham, PE	Civil/Roadway Engineer	Project Engineer	8
Ronnie Furniss, PSM	Senior Surveyor	Senior Surveyor	36
David Rohal, PSM	Senior Surveyor	Senior Surveyor	40
Tammy Cook-Weedon, ASLA, LEED AP BD+C	Director of Landscape Architecture	Senior Landscape Architect	30
Marcos Mendoza	Landscape Architect	Landscape Architect	20
Sandra Lee, AICP, CFM, LEED AP BD+C	Director, Environmental	Senior Environmental Specialist	20
Patrick Murphy	Environmental Specialist II	Environmental Specialist	9
Eric Czerniejewski, PE, ENV SP	Director of Traffic Engineering	Senior Traffic Engineer	19
Diana Rivas, PE	Project Manager	Traffic Engineer	11
Nicole Miller	Engineering Intern	Permit/Plan Reviewer	5
Alan Gerwig & Associates, Inc.			
Alan Gerwig, PE	President	Senior Structural Engineer	32
Simon Coleman,Ph.D., PE	Senior Project Manager	Senior Structural Engineer	26
Johnson, Levinson, Ragan, Davila, Inc.			
Charles C. Gableman, P.E., LEED AP	President	Senior Mechanical/Electrical Engineer	24
Michael P. Linden, P.E. LEED	Vice- President	Senior Mechanical and Plumbing Engineer	23
Nutting Engineers of Florida, Inc.			
Richard Iossi, PE	Principal	Senior Geotechnical/Environmental Engineer	30
Richard Wohlfarth, PE	Director of Engineering	Senior Geotechnical Engineer	30
Smith Engineering Consultants, Inc.			
Larry Smith, PE	President	Senior Electrical Engineer	30
P.K. Patel, PE	Senior Electrical Engineer	Senior Electrical Engineer	25
CALTRAN Engineering Group, Inc			
Juan Calderon, PE	Project Manager	Senior Traffic Engineer	18
Carlos Perez, PE	Project Manager	Senior Traffic Engineer	17

RESUMES

Resumes for all primary individuals have been provided on the following pages.

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS™

Patrick A. Figurella, PE

Director of Engineering/Project Manager

SUMMARY OF QUALIFICATIONS

Mr. Figurella is a project engineer with more than 23 years of experience in project management of roadway design/reconstruction, utility/drainage infrastructure, municipal review, comprehensive planning and civil site design work including geometric design and permitting. Mr. Figurella is proficient in the use of the latest versions of AutoCAD Civil 3D. Mr. Figurella was the President of the ASCE Palm Beach Branch in 2003-2004, ASCE Palm Beach Branch Young Engineer of the Year in 2004, and FES Palm Beach Chapter Young Engineer of the Year in 2004.

PROJECT EXPERIENCE

City of Delray Beach TAC and Engineering Permit Review, Delray Beach, Florida
Project Manager – Project Ongoing
Mr. Figurella is heading up CGA's Site Plan Review and Engineering Permit Review efforts for the City of Delray Beach. CGA has been reviewing Site Plans since October of 2016 and been reviewing Engineering Permits since April of 2017. CGA has reviewed more than 100 site plans and 100 engineering permits in that time.

Osceola Neighborhood Improvements FY 2016
Design Engineer – Project Ongoing
Mr. Figurella was responsible for designing the paving of 9 alleyways, the construction of sidewalks and the regrading of swales, drainage improvements and the signing & pavement marking, for the southeast corner of the Osceola Neighborhood.

SE 2nd Street Streetscape, Delray Beach, Florida
Design Engineer - Project Ongoing
Designing and permitting the roadway and drainage improvements to 1/3 mile of roadway. Improvements included the creation of on-street parking, new sidewalks signing & pavement marking, and the construction of 1/3 miles of new alleyways.

NE 3nd Avenue Streetscape, Delray Beach, Florida.
Design Engineer - Project Ongoing
Mr. Figurella was responsible for designing and permitting the roadway, drainage, and signing & pavement marking improvements to 1/4 mile of roadway and alleyway each. Improvements included the creation of on-street parking, new sidewalks and the construction of a new 6" water main.

NE 12th Avenue Streetscape, Delray Beach, Florida
Design Engineer - Project Ongoing
Mr. Figurella was responsible for designing and permitting the roadway, drainage, and signing & pavement marking improvements to 2/3 mile of roadway and alleyway. Improvements included the creation of on-street parking, new sidewalks and the construction of a new 6" water main.

A1A Bike Lanes, Jupiter, Florida
Design Engineer - Project Ongoing
Mr. Figurella was responsible for designing and permitting the expansion of turn lanes, the addition of bike lanes, signing & pavement marking, pervious concrete sidewalks, on-street parking, the replacement of a 10" Water main and the burial of overhead utilities on a ¾ mile segment of a two lane roadway

TOTAL YRS EXPERIENCE
24
YEARS WITH CGA
12

EDUCATION
B.S., Mechanical Engineering
University of Florida, Gainesville

PROFESSIONAL REGISTRATION
Professional Engineer State of Florida No. 54795

CERTIFICATIONS
Florida Stormwater, Erosion, and Sedimentation Control Inspector

FEMA Intorduction to the Incidental Command System, ICS 100

PROFESSIONAL AFFILIATIONS
American Society of Civil Engineers: 2004-2005 Past-President for Palm Beach Branch

Florida Engineering Society: 2002-2003 "Young Engineer of the Year" for Palm Beach Chapter

PUBLIC SERVICE
Village of Royal Palm Beach Code Enforcement Board 1998-2004

Palm Beach County 5-Year Road Program Oversight & Advisory Council 2002-2003

COMPUTER SKILLS
Microsoft Office
AutoCAD Civil3D
Cascade

College Avenue Improvements Phase I, Davie, Florida.
Design Engineer - Project Completed 2014
Mr. Figurella was responsible for designing and permitted the replacement of a ½ mile three lane roadway with a 4 lane divided roadway with drainage improvements and sidewalks on both sides of the roadway in an extremely challenging utility corridor.

College Avenue Improvements Phase II, Davie, Florida.
Design Engineer - Project Completed 2014
Mr. Figurella was responsible for designing and permitting of the replacement of a ½ mile two lane roadway with a 4 lane divided roadway with drainage improvements, signing & pavement marking and sidewalks on both sides of the roadway in an extremely challenging utility corridor.

Lakeshore Drive Improvements, Lake Park, Florida.
Design Engineer - Project Completed 2013
Mr. Figurella was responsible for designing and permitting the reconstruction of a ½ mile two lane facility, raising the roadway and sidewalks to relieve high tide flooding issues, adding bike lanes, signing & pavement marking, and replacing an asbestos water main and aging sewer lines.

A1A Bike Lanes, Jupiter, Florida
Design Engineer – Project Complete
Mr. Figurella was responsible for designing and permitting the expansion of turn lanes, signing & pavement marking, the addition of bicycle lanes and sidewalks with the replacement of a 10" asbestos cement water main for a ½ mile two lane undivided facility.
Year completed: professional services 2006, construction 2007.

NW 131st Street Improvements, North Miami, Florida.
Design Engineer - Project Completed 2012
Mr. Figurella was responsible for designing the roadway, drainage, and signing & pavement marking improvements of a 1 mile roadway. Improvements included a roundabout, bike lanes, on-street parking and the preservation of numerous existing landscaping on North Miami's north bicycle corridor.

Park Avenue Street-scape Improvements, Lake Park, Florida.
Design Engineer - Project Completed 2010
Mr. Figurella was responsible for designing and permitted the reconstruction of a ¾ mile 4 lane undivided roadway into a 2 lane divided roadway with decorative street lighting and landscaping as well as drainage, utility, signing & pavement marking, and sidewalk improvements.

Bay Harbor Islands Community Enhancement Project Phase II, Bay Harbor Islands, Florida.
Design Engineer - Project Completed 2010
Mr. Figurella was responsible for designing and permitted the roadway, utility, and signing & pavement marking improvements for 2.3 miles of roadways on the west island of the Town. Improvements included new curbs, pavement, grading and waterlines.

Bay Harbor Islands Community Enhancement Project Phase III, Bay Harbor Islands, Florida.
Design Engineer - Project Completed 2012
Mr. Figurella was responsible for designing and permitting the roadway and utility improvements for 4.2 miles of roadways on the east island of the Town. Improvements included new curbs, pavement, signing & pavement marking, grading and waterlines.

South Pennock Lane Improvements, Jupiter, Florida
Design Engineer - Project Completed 2009
Mr. Figurella was responsible for designing and permitting the addition of bicycle lanes and sidewalks to a ½ mile segment of the two lane undivided facility including the addition of turn lanes at Indiantown Road, minor signal modifications and signing & pavement marking improvements.

Holmberg Road Bicycle Lanes, Parkland, Florida
Design Engineer - Project Completed 2011
Mr. Figurella was responsible for designing and permitting the addition of bicycle lanes and sidewalks with the addition of fire hydrants for a 1.25 mile roadway. Improvements included new curbs, widened roadways, improved pedestrian access, signing & pavement marking improvements and repaving of the entire roadway.

Lyons Road & Flavor Pict Road Alignment Studies, Palm Beach County, Florida
Design Engineer - Project Completed 2005
Mr. Figurella was responsible for preparing alternative alignments and exhibits for public hearings including evaluation matrices for six miles of Palm Beach County Thoroughfare Roadways in the sensitive Agricultural Reserve in western Palm Beach County.

Flavor Pict Road, Palm Beach County, Florida
Design Engineer - Project Completed 2006
Mr. Figurella was responsible for designing and permitting the construction of ½ mile two lane facility through an unimproved area. Design included coordination with adjacent properties on drainage treatment and the culverting of 1000 feet of a Lake Worth Drainage District Canal as well as signing & pavement marking.

Boutwell Road Alignment Study & Boutwell Road Extension, Lake Worth, Florida
Design Engineer - Project Completed 2001
Mr. Figurella was responsible for preparing alternative alignments and exhibits for public meetings for the study phase of the 1/3 mile extension of a two lane facility. Designed the extension of the two lane facility including drainage design, geometric design, signing & pavement marking, permitting and cost estimation.

Roosevelt Avenue Alignment Study, Jupiter, Florida
Design Engineer - Project Completed 2000
Mr. Figurella was responsible for preparing alternative alignments and exhibits for public hearings including evaluation matrices for two miles of Palm Beach County Thoroughfare Roadways from Indiantown Road to the Martin County Line.

Lyons Road, Palm Beach County, Florida
Design Engineer - Project Completed 2005
Mr. Figurella was responsible for designing the expansion of a three mile facility from two lanes undivided to four lanes divided west of Boynton Beach, Florida. Responsibilities included horizontal and vertical design, signing & pavement marking, permitting, cost estimation and coordination with existing and proposed bridges as well as utilities.

Lyons Road, Palm Beach County, Florida
Design Engineer - Project Completed 2005
Mr. Figurella was responsible for preparing and secured permits for the 1-3/4 mile extension of a two lane divided facility west of Boynton Beach. Responsibilities included horizontal and vertical design, signing & pavement marking, permitting and coordination with off-site developments for drainage design.

Fairgrounds Road / SR-80 Intersection Improvements, Palm Beach County, Florida
Design Engineer - Project Completed 2000
Mr. Figurella was responsible for designing and secured permits for the westward relocation and expansion of the

intersection of Fairgrounds Road and S.R. 80. Project included the relocation of water and force mains and the replacement of an existing drainage ditch with culverts and a new retention/detention area and design of signing & pavement marking.

Lantana Road, West Palm Beach, Florida
Design Engineer - Project Completed 1999
Mr. Figurella was responsible for designing the ¾ mile widening and expansion of a two lane undivided facility to a four lane divided facility. Responsibilities included horizontal and vertical alignment, signing & pavement marking, permitting and cost estimation.

Okeechobee Boulevard (SR-704), West Palm Beach, Florida
Design Engineer - Project Completed 2009
Mr. Figurella was responsible for designing the widening of a ½ mile six lane facility to eight lanes including the demolition of two existing bridges with new overhead signs. Responsibilities included permitting, signing & pavement marking, cost estimates as well as coordination with structural elements and utilities. Yamato Road/I-95 Intersection Improvements, Boca Raton, Florida. Designed the roadway improvements including milling & resurfacing, minor widening and adding a lane to the I-95 on-ramp of a 1/3 mile six lane facility. Year completed: professional services, 1997, construction, 1998.

Palm Beach County Intersection Improvements, Palm Beach County Florida
Design Engineer - Project Completed 2009
Mr. Figurella was responsible for designing or assisting with the design of improvements including the addition of turn lanes, sidewalks, bike lanes, drainage, through lanes and signing and marking to the following intersections for Palm Beach County Engineering:

- Okeechobee Boulevard/Congress Avenue – right turn lane on Okeechobee Boulevard
- Browns Farm Road/County Road 880 - left turn lane on both roads
- Forest Hill Boulevard/S.R. 80 (Two separate projects) – dual turn lanes three approaches first project, added through lanes and right turn lane second project
- Forest Hill Boulevard/Haverhill Road – dual turn lanes on Forest Hill Boulevard
- Fairgrounds Road/Sansbury's Way left turn lanes on both roads with additional through lane on Sansbury
- Kirk Road/Lakewood Road 2 lane to 5 lane widening on Kirk Road.
- Lantana Road/Hagen Ranch Road/Fearnley Drive – add 4 turn lanes on 3 approaches
- Glades Road/Powerline/Jog Road – added through lane each direction for 1 mile on Glades
- Okeechobee Boulevard/Tamarind Avenue (Alignment Study)
- Australian Avenue/I – 95 – Mercer Avenue – Okeechobee Boulevard – added lefts both approaches
- Seminole Pratt Whitney Road/S.R. 80 – added dual lefts and a right on Seminole Pratt
- Congress Avenue/Chillingworth Drive – convert Congress Avenue to 5 lane section ½ mile
- West Atlantic Avenue/Hagen Ranch Road – dual left turn lanes and opposing right turn on West Atlantic, receiving work on Hagen Ranch
- Royal Palm Beach Boulevard/Orange Grove Boulevard Convert RPB to 5 lane section ½ mile
- Royal Palm Beach Boulevard/Persimmon Boulevard Convert RPB to 5 lane section ½ mile

Comprehensive Planning, Various Agencies, Florida
Design Engineer - Project Completed 2005

Mr. Figurella was responsible for preparing Comprehensive Plans, Amendments to Comprehensive Plans Evaluation and Appraisal Reports (EARs), or Water Supply Plans related to Potable Water, Sanitary Sewer, Drainage, Solid Waste, and Natural Groundwater Aquifer Recharge elements for the following agencies:

- Town of Loxahatchee Groves First Comprehensive Plan
- City of Port St. Lucie EAR Based Comprehensive Plan Amendments
- City of Pahokee 10-Year Water Supply Plan
- City of Fort Pierce Comprehensive Plan Rewrite
- St. Lucie County EAR
- St. Lucie County EAR Based Comprehensive Plan Amendments
- Martin County EAR

David Frodsham, P.E.

Civil/Roadway Engineer

SUMMARY OF QUALIFICATIONS

Mr. Frodsham is a licensed Professional Engineer at Calvin, Giordano & Associates with more than seven years of experience in roadway engineering design, construction management, and permitting. Mr. Frodsham has worked on roadway projects from preliminary design through construction close-out. In addition to design services, his experience includes Construction Engineering and Inspection, which has allowed him to develop a keen understanding of construction-focused engineering.

ROADWAY ENGINEERING EXPERIENCE

Tamarind Avenue South Pedestrian Safety and Streetscape Improvements Project
West Palm Beach, Florida

Designed drainage, utility, hardscape, and roadway improvements with associated local and state permitting for 0.7 miles of roadway improvements to Tamarind Avenue from Banyan Boulevard to Palm Beach Lakes Boulevard. Project included permitting through SFRTA for coordination with adjacent rail ROW.

Town of Jupiter A-1-A Bike Lanes, Jupiter, FL

Provided drainage system re-design with drainage calculations to retrofit roadway with exfiltration trench to provide value engineering alternatives for stormwater treatment.

NW 12th Avenue Streetscape, Delray Beach, FL

Designed drainage and roadway improvements with associated local and state permitting for 0.4 miles of roadway improvements to NW 12th Avenue, as well as paving two adjacent previously unpaved alleyways. Project included the addition of an 8" watermain from 12th Ave to 11th Ave.

NE 3rd Street Streetscape, Delray Beach, FL

Designed drainage and roadway improvements from inverted crown to crowned including the installation of an 8" WM from Lake Ida Rd to 3rd St. along Artists Alley Project included the conversion of a sewer main from VCP to DIP as well as installation of decorative pervious pavers along Artists Alley for permeability.

SE 2nd Avenue, Delray Beach, FL

Roadway, drainage and utility improvements from Swinton Ave to SE 3rd Ave along SE 2nd St, as well as improvements to SE 2nd Ave from 2nd St to 3rd St with associated local and state permitting.

North Bay Road Bridge, Sunny Isles Beach, FL

Performed design of drainage system and assisted with traffic design for a pedestrian & emergency vehicle bridge in Sunny Isles Beach. Coordinated with structural engineers for alignment and other structural considerations, as well as tie-ins to adjacent project. Obtained permitting approvals through state and local environmental authorities.

Wallis Road, West Palm Beach, FL

Assisted with design of new roadway with drainage system and utility connections for one half mile of Wallis Road in West Palm Beach, FL. Project included electrical utility coordination, addition of turn lanes, and state and local permitting of drainage, water, and sewer. Provided construction administration services.

Davie Road from Nova Dr. to SR 84, Davie, FL

Lead team during design of a full-depth roadway reconstruction of one half mile of roadway from Nova Dr. to SR 84. Project included widening from four to six lanes with drainage and utility relocates, landscaping, and sidewalk improvements. Design was completed ahead of schedule under a compressed timeline.

YEARS OF EXPERIENCE
8

EDUCATION
B.S., Civil Engineering, June, Penn State University, University Park, PA

M.S., Engineering Management, 2009
University of Louisville

PROFESSIONAL REGISTRATION
Professional Engineer
State of Florida, No. 75507

CONSTRUCTION MANAGEMENT EXPERIENCE

Seaboard Train Station Beautification – Phase II, West Palm Beach, FL

Responsible for upkeep of contract records, as-built drawings and processing contractor's payments along with other CEI-related tasks. Reviewed and signed off on the inspector's daily reports so that the contractor would be credited with applicable and accurate pay quantities. The project's scope of work included earthwork, asphalt and concrete paving, striping, wheelstops, landscape, irrigation, light poles, refurbishment of an existing clock tower, site furnishings, installation of a fountain system with pump and planter box and other decorative elements.

Quadrille Boulevard from Okeechobee to Datura, West Palm Beach, FL

Responsible for upkeep of contract records, as-built drawings and processing contractor's payments along with other CEI-related tasks. Reviewed and signed off on the inspector's daily reports so that the contractor would be credited with applicable and accurate pay quantities. Scope of work included pedestrian, landscape, and lighting improvements along Quadrille Boulevard.

Jetty Park Inlet Park Improvements, Fort Pierce, FL

Assisted with upkeep of contract records, preparation of change orders, as-built drawings and processing contractor payments. Quality assurance inspection and logging of daily reports, monitored traffic control plans, SWPPP, and operations. Scope of work was pedestrian and landscape improvements to the Jetty Inlet Park.

Stuart West Road Resurfacing Program, Palm City, FL

Responsible for community outreach, roadway condition assessment, cost estimates, preparation of bid documents, plans, contracts and technical specifications for road resurfacing project for the Stuart West Property Owner's Association.

Harbour Ridge Road Resurfacing Program, Palm City, FL

Responsible for roadway community outreach, roadway condition assessment, cost estimates, preparation of bid documents, plans, contracts and technical specifications for road resurfacing project at Harbour Ridge Yacht and Country Club. The project involved weekly construction observation reports, including mix design review and general FDOT specification compliance assurance as well as issuance of project status reports to owners through project build-out.

Construction Inspections for Loughman Transfer Facility, Loughman, FL

Performed construction inspections during sitework operations to ensure compliance with design for an aggregate transfer facility.

Ron Furniss, PSM

Surveying

SUMMARY OF QUALIFICATIONS

Mr. Furniss has 36 years of experience in all phases of land surveying including boundary, hydrographic, route, topographic, and as-built surveys, preparing sketch and descriptions, legal descriptions, record plats, and boundary descriptions for annexations for municipalities. His entire career has been with CGA. He began his career as a rodman and worked in the field for the first 19 years of his career. Moving into the office as field crew supervisor he was instrumental in upgrading the firm's electronic data collection processing and field procedures. In 2005, Mr. Furniss was promoted to Director of Survey in our West Palm offices were he oversees office and field staff.

PROJECT EXPERIENCE

City of Palm Beach Gardens, Palm Beach County, Florida. City Surveyor for the City of Palm Beach Gardens. Responsible for reviewing plats, sketch and legal descriptions to comply with Florida Statutes and City code. Mr. Furniss also acts as project manager for boundary, topographic/design and as-built surveys for the City's various departments.

Town of Mangonia Park, Palm Beach County, Florida. Project manager for engineering design and as-built surveys for the City's engineering department. Reviewing surveyor for plats and legal descriptions submitted to the city.

City of Delray Beach, Palm Beach County, Florida. Responsible for preparing boundary, sketch and legal descriptions, topographic/design surveys for the City of Delray Beach and the City's CRA for numerous projects over the past ten years.

Town of Jupiter, Palm Beach County, Florida. Responsible for preparing boundary, sketch and legal descriptions, topographic/design surveys for the Town of Jupiter and the towns CRA for numerous projects over the past ten years.

City of Riviera Beach CRA, Palm Beach County, Florida. Responsible for preparing boundary, sketch and legal descriptions, topographic/design surveys for numerous projects within the city CRA limits.

South Florida Water Management District, Florida. Project manager for various survey projects with the district. Boundary, topographic surveys, district right-of-way and establishing horizontal and vertical control for the districts projects are just a few services provided to the district.

Florida Power and Light, Palm Beach County, Florida. Responsible for multiple boundary, sketch and legal descriptions, topographic/design surveys located in throughout in Palm Beach, Broward, Miami-Dade, Martin and St Lucie Counties, CGA has provided surveying services for FPL for over 20 years.

SR A1A, Palm Beach County, Florida. Project manager for coordinate geometry calculations of recorded plats, lot lines, R/W lines and parcel boundaries. Reviewed title work for ownership. Worked closely with maintenance engineering and location survey department to determine maintained R/W line for revetment.

YEARS OF EXPERIENCE 36

EDUCATION
FDOT-seminar on C.E.F.B.

AutoCAD Certification Courses

CAICE Visual Coordinate Geometry and CAICE Visual DTM courses by A.G.A.

PROFESSIONAL REGISTRATION
Professional Surveyor and Mapper
Florida No. 6272

David E. Rohal, PSM

Surveyor & Mapper

SUMMARY OF QUALIFICATIONS

Mr. Rohal has over 40 years of experience surveying in south and central Florida, beginning in 1975 with the Miami-Dade County Parks Department. He then relocated to Broward County and began working with private Engineering-Survey firms both in the field and office. He has been a Field Crew Supervisor, Project Surveyor and Platting Department Manager.

PROFESSIONAL EXPERIENCE

Positions: Senior Project Surveyor Calvin, Giordano & Associates;
Duties: Plat Manager CGA; Meet with clients to review the surveying, platting and development of vacant property. Coordinate and resolve issues with city and county staff, land attorneys and developers. Attend and represent projects at Development Review Committees, Planning and Zoning Boards, and City and County Commission meetings.

Prepare ALTA/ACSM boundary and topographic surveys, special purpose surveys, as-built surveys, residential plot plans, foundation and final surveys, commercial and residential subdivision plats and various sketches using AutoCAD Land Desktop. Prepare legal descriptions for easements and land conveyances. Examine title commitment documents, deeds and prepare reports outlining matters affecting real property. Research county public records and property appraiser's websites for easements, restrictive covenants, chain of title, zoning, building setbacks and other property related information. Review FEMA Flood Insurance Rate Maps and prepare Elevation Certificates. Prepare and process applications to abandon and vacate easements and rights-of-way.

Review architectural plans, site plans, civil engineering plans and prepare backup information and calculations for construction stake-out. Supervise survey field crews. Review field notes for errors and completeness. Prepare proposals and work orders for field and office related surveying services.

SURVEYING & MAPPING EXPERIENCE

Subdivision Plats, City of Palm Beach Gardens, FL: Responsible for reviewing plats, sketch and legal descriptions to comply with Florida Statutes and City code. Mr. Rohal also acts as project surveyor for boundary surveys and sketch and descriptions for the City's various departments.

Suni-Sands Boundary & Topographic Survey, Town of Jupiter, FL: Reviewed title documents and supervised office preparation of a Boundary & Topographic Survey of the CRA's property on S.R. A-1-A.

City of Delray Beach, Palm Beach County, Florida. Responsible for reviewing plats, sketch and legal descriptions to comply with Florida Statutes and City code.

City of Riviera Beach CRA, Palm Beach County, Florida. Responsible for subdivision plat and various sketches and legal descriptions for the redevelopment of the City's marina on the Intracoastal Waterway, and Boundary Surveys of properties owned by the CRA.

YEARS OF EXPERIENCE
40

YEARS WITH THE FIRM
4

EDUCATION
Miami-Dade Community College, Florida: Undergraduate Courses and Electives

University of Florida, Florida: Associates of Arts Degree

Florida International University, Florida: Advanced surveying and Civil Engineering Curriculum

Broward County Community College, Florida: Beginning and Advanced AutoCAD

State of Florida: Continuing Education Seminars

COMPUTER SKILLS
AutoCAD
Civil 3D
Microsoft
WORD EXCEL

CERTIFICATIONS & LICENSES
Florida PSM No. 4315

Canal Point Pedestrian Bridge, Canal Point, FL: Mr. Rohal supervised office preparation of a Topographic Survey for the design of a pedestrian bridge over the West Palm Beach L-10 Canal.

GL Homes – Valencia Cove, Boynton Beach, FL: Mr. Rohal prepares legal descriptions and supervises preparation of sketches for proposed utility easements, common areas, etc.

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS™

Tammy Cook-Weedon, ASLA, RLA, LEED AP

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 manages a staff of twelve which provide Landscape Architectural services, environmental services, landscape inspection services, certified arborist expertise and site plan review.

RELEVANT PROJECT EXPERIENCE

NW 12th Avenue Streetscape, Delray Beach, FL

Client: City of Delray Beach: Responsible for the Tree Disposition plans, mitigation plans, presentation to the community for outreach and comments, planting plan development, and the irrigation design. The design provided a colorful statement along the streetscape with flowering Crape Myrtles, Pindo palms, and shady live oak trees. The design provided strong connections with the adjacent MLK streetscape and the adjacent park.

Firestation Plaza, Delray, FL

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.

Pineapple Grove Parking Lot, Delray Beach, FL

Client: Delray CRA: Ms. Cook-Weedon was involved in the design and permitting of a 14-space parking lot in the Pineapple Grove Art District featuring pervious paver parking and pedestrian surfaces for the City of Delray Beach CRA.

SW 5th Avenue, Delray Beach, FL

Client: Delray CRA: Ms. Cook-Weedon served as project manager for this project, which involved the design of a new public parking lot between SW 5th Avenue and SW 4th Avenue. The parking lots are enhanced by native trees and shrubs and carpeted by pervious pavers. The design reduces pollution, energy costs and emission of greenhouse gases. The 24-space lot is a green design, consisting of pervious pavers, decorative LED lighting and low-volume irrigation.

SW 9th Avenue and 1st Street, Delray Beach, FL

Client: Delray CRA: This site will serve as a public parking for the local neighborhood and provide a pocket park. The 44-space lot is a green design, consisting of pervious pavers, decorative LED lighting and low-volume irrigation. The site provides a tot lot for the local community and includes both adult fitness equipment and children's play equipment. The design includes trash receptacles and a bike rack.

NE 2nd Avenue complete streets beautification, Delray Beach, FL

Client: Delray Beach: Ms. Cook-Weedon was responsible for the landscape architectural design for a bike way, streetscape enhancement, paver crosswalks and decorative lighting. Special attention was made to the creative design process, branding the neighborhood and providing bicyclist with a bright green safety surface to announce their presence. Stately date palms, colorful flowering trees and native vegetation was provided to enhance the neighborhood. Water efficient irrigation was provided to conserve water.

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 Board Member, 2006-2007

Middle Beach Recreational Corridor, Miami Beach, FL
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.

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.

Redlands Fruit and Spice Park, South Dade, FL Landscape Architect/Project Manager
Client: Miami-Dade Park and Recreation Department: Responsible for the master plan, planting design and selection and public outreach for a botanical garden design showcasing the relationships between agriculture and culture, with particular attention to creating an around-the-world thematic design with thoroughness in details about planting arrangements, cultivated species and spatial qualities.

Enhancements, Bay Harbor Islands, FL
Client: Town of Bay Harbor Islands: Led a team of civil, utility, traffic and electrical engineers and construction administrators for the creation and implementation of a Town-wide community enhancements project that consisted of specialty paving strategies throughout the community for beautification and traffic calming, irrigation, planting design, water main replacement, storm water management, and street lighting. CGA was successful in conducting all the necessary public outreach and coordinating with each property owner to ensure that existing paver driveways and specialty finishes unique to each property were matched with careful detailing and design.

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.

Kane Concourse Beautification, Bay Harbor Islands, FL Landscape Architect
Client: Town of Bay Harbor Islands: Responsible for the oversight of hardscape and planting of streetscape improvements for the Town's business district, including, street furnishings, wayfinding, and irrigation.

Marcos Mendoza
Site Designer

YEARS OF EXPERIENCE
10

YEARS WITH THE FIRM
10

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

SUMMARY OF QUALIFICATIONS

Mr. Mendoza directs the landscape architectural staff in all code compliance and site design issues. His expertise lies in the production and development of several residential communities and large-scale commercial projects. He assists in quality control of project documents through developments in standards and systems consultation. He has also had experience in the development of institutional, educational and healthcare projects.

PARK/PLAZA PROJECT EXPERIENCE

Vista Park Phase I, Weston, FL: CAD Drafter
Site design and landscape design for an active park that included four league-standard softball fields, four soccer fields, concession stands, restrooms, canal-side nature trail, a tot lot, parking and lighting design.

Sombrero Beach Park, Marathon, FL: CAD Drafter
Site design and landscape design for an active park that included four league-standard softball fields, four soccer fields, concession stands, restrooms, canal-side nature trail, a tot lot, parking and lighting design.

Gator Run Park, Weston, FL: CAD Drafter
Passive park design for a five-acre community park, including lighting improvements, continuous walking paths, children's play equipment, planting and irrigation design. The design provided a butterfly garden and shade structures near the adjacent elementary school to build strong connections with the school.

HEALTHCARE, HOSPITALITY, AND ACADEMIC PROJECT EXPERIENCE

Jewish Community Center, Cooper City, FL: CAD Drafter
Developed landscape planting and irrigation designs for an expansion of the community center including a new educational component and gymnasium with added parking.

Our Lady Queen of Heaven Cemetery, North Lauderdale, FL: CAD Drafter
Prepared landscape planting and irrigation plans to complement the design of the cemetery.

Our Lady Queen of Mercy Cemetery, Doral, FL: CAD Drafter
Prepared landscape planting and irrigation plans to complement the design of the cemetery.

COMMUNITY DEVELOPMENT AND NEIGHBORHOOD IMPROVEMENT EXPERIENCE

The Preserve, Margate, FL: Site Design
The site design and community master plan included residential components, open space design, planting and irrigation design, general civil engineering, lighting design and environmental mitigation services. Designed components included recreational areas, entry sign features, wayfinding elements and recreational trails. The project focused on establishing a community sensitive to, and centered on, a cypress preserve.

Cobblestone, Pembroke Pines, FL: Site Design
The site design and community master plan included residential components, open

space design, planting and irrigation design, general civil engineering, lighting design and environmental mitigation services. Designed components included recreational areas, entry sign features, wayfinding elements, design guidelines and recreational trails.

Pembroke Cay, Pembroke Pines, FL: Site Design
The site design and community master plan included residential components, open space design, planting and irrigation design, general civil engineering, lighting design and environmental mitigation services. Designed components included recreational areas, entry sign features and wayfinding elements. The design was initially conceived as part of a larger DRI master plan that included a large lifestyle center component.

Treo, Miramar, FL: Site Design
The site design and community master plan included residential components, open space design, planting and irrigation design, general civil engineering, lighting design and environmental mitigation services. Designed components included recreational areas, entry sign features, wayfinding elements and recreational trails.

Villas at Harbor Isles, Dania Beach, FL: Site Design
The site design and community master plan included residential components, open space design, planting and irrigation design, general civil engineering, lighting design and environmental mitigation services. The project made connections and added densities appropriate to its location adjacent to the Fort Lauderdale/Hollywood International Airport TriRAIL station at Dania Beach.

Waterview, Miramar, FL: Site Design
The site design and community master plan Included residential components, open space design, planting and irrigation design, general civil engineering, lighting design and environmental mitigation services. Designed components included recreational areas, entry sign features and wayfinding elements. The project emphasized use of affordable single-family homes to create a sense of community.

Eric Czerniejewski, PE, ENV SP

Director of Traffic Engineering

YEARS OF EXPERIENCE
18

YEARS WITH THE FIRM
1

EDUCATION
Bachelor of Science (BS), Civil Engineering, SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE, Edwardsville, Illinois

CERTIFICATIONS & LICENSES
Professional Engineer License (#58002)

ENVISION Sustainability Professional Certification

Advanced Maintenance of Traffic Certification (FDOT)

PROFESSIONAL AFFILIATIONS
ASCE Region 5 Governor

ASCE Broward Past President

ASCE National Public Policy Committee

AWARDS
ASCE Government Engineer of the Year (2013)

ASCE Engineer of the Year (2011)

ASCE Young Engineer of the Year (2006)

SUMMARY OF QUALIFICATIONS

Eric Czerniejewski, P.E., is the Director of Traffic Engineering for CGA with 18 years of experience in transportation infrastructure design, traffic engineering and transportation planning. He has experience in transportation projects that include preparation of traffic studies including corridor studies, traffic impact studies, mobility studies and parking utilization and reduction studies. He is also specialized in signalization design, roadway design, managing, designing and permitting select transportation infrastructure engineering projects; planning, developing and coordinating civil engineering design documents; and coordinating construction engineering and inspection. Some of his relevant mobility plan experience includes development of citywide mobility plan for the City of Fort Lauderdale, preparation of the campus master mobility plans for Florida International University and Florida Atlantic University campuses as well as Memorial Health Care Joe DiMaggio Hospital campus. He is certified to prepare traffic control plans and process LAP projects by FDOT.

TRAFFIC ENGINEERING EXPERIENCE

Mast Arm Conversion Group Phases I&II- Horsepower Electric, Broward County, FL: Program Manager and Quality Control Officer for the Design Build professional services associated with the conversion of span-wire supported traffic signal at 35 intersections all over Broward County. This project is currently under the design stages. CGA along with Horsepower Electric is providing engineering and design services, plans preparation, field survey, utility coordination, permitting, public involvement, coordination with adjoining projects, minor roadway reconstruction and paving, signing and pavement marking, ADA compliant sidewalk reconstruction, traffic signal construction, installation of underground conduit and interconnect cable, installation of monitoring devices (video detection), installation of vehicle pre-emption systems , as built record plans, and warranty necessary to provide the traffic signalization improvements in accordance with Broward County and Florida Department of Transportation specifications.

Palm Avenue and 53rd Street Diversion Study, Cooper City, FL: Consultant as part of a Continuing Traffic Engineering Services Contract completed a traffic diversion study associated with the closing/opening of the median at the intersection of Palm Avenue and SW 53rd Street. The purpose of the study was to evaluate the effects of opening or closing this median on the surrounding roadway network based on two (2) different performance measures: Volume and 85th Percentile Speed. The intersection of Palm Avenue and SW 53rd Street is an un-signalized T-intersection with a dedicated left-turn lane on the northbound approach and a dedicated U-Turn lane on the southbound approach of the intersection. Palm Avenue is a four-lane divided urban arterial with a posted speed limit of 40 MPH and bicycle lanes in both directions. The results of the evaluation showed that with the median open at the intersection Palm Avenue/SW 100th Avenue and SW 53rd Street, the overall surrounding roadway network experienced lower speeds and less cut-through traffic thus it was recommended that the median at the intersection of Palm Avenue/SW 100th Avenue and SW 53rd Street remain open.

Town of Surfside Townwide Traffic Calming Study, Surfside, FL: Consultant as part of Continuing Traffic Engineering Services Contract completed a town-wide traffic analysis to determine appropriate neighborhood traffic mitigation measures. The analysis included conversion of two-way stop control intersections to four-way stop control, installation of speed tables and the conversion of two-way roadway segments to

one-way operation. The analysis included the development of a comprehensive traffic flow model to determine the impacts of proposed traffic calming measures. Consultant also provided extensive public outreach and coordination between citizen groups and Town staff.

City of Key West ULDR Update and Complete Streets Manual Key West, FL. Traffic Engineer for complete rewrite of the City's Land Development Regulations. The key areas of focus for the project included the incorporation of new standards, programs, and processes related to Complete Streets, Parking, Transportation Demand Management, Affordable Workforce Housing, Signage, Landscape, Urban Design, Green Building and Adaptation Planning and Disaster Planning.

TRANSPORTATION PLANNING EXPERIENCE

Downtown Boca Raton Traffic Study, Boca Raton, FL: Project Manager and Traffic Engineer for the preparation of a traffic study at the intersection of Palmetto Park Road and NE/SE 5th Avenue which examined the safety and the operation of the intersection of Palmetto Park Road and NE/SE 5th Avenue and seven other surrounding intersections and enumerated at least three viable improvement concept plans. The alternative analysis included quantitative and qualitative elements such as Safety, Context Sensitivity, Capacity, Benefit Cost and Fatal Flaw analysis as well as the evaluation of bridge preemption and signal coordination with the subject intersection.

MLK Boulevard (Hammondville Road) from NW 31st Avenue to Powerline Road, FM # 432861-1-58-01. Project Manager providing traffic engineering services related to the corridor including providing Arterial Analysis, Access Management Evaluation and a Signal Warrant Analysis for one intersection within the project limits.

Broward MPO Pompano Beach Education Corridor Transit Study - Due Diligence was performed to determine the feasibility of a transit shuttle or circulator to improve access to the educational facilities along the Coconut Creek Parkway corridor that runs through Pompano Beach, Margate, Coconut Creek and Coral Springs. This included estimating capital and operating costs, identifying opportunities and/or constraints and coordinating proposed transit improvements with other plans or projects including: land use plans, traffic, roadway and sidewalk projects, interface with existing and future Tri-Rail service and Mobility Hubs for the Premium Transit Corridors at Sample Road and University Drive (Gateway Hub).

Broward County Traffic Congestion Improvements, Highway Construction and Engineering Division, Broward County, FL: Project Manager for Broward County's Congestion Management System (CMS) Plan to monitor and analyze the magnitude of congestion on the local roadway systems. As part of this plan, corridor studies were performed to identify, develop, prioritize and implement enhancement strategies for a selected corridor and the intersections within that corridor. Three of the intersections analyzed are located in Pembroke Pines, Davie, Southwest Ranches, Oakland Park and Margate. These three intersection improvement projects required geometric and transit intersection improvements, roadway widening, signalization design upgrades, and signing and pavement marking. Two of the three intersections are located at FDOT-maintained highways. Services provided include traffic engineering and operations analysis, crash analysis, new lane configuration design, bus shelter improvements, signal timing modifications, signal design and layout, intersection geometric improvements, lighting, pavement marking, utility adjustment, landscape architecture, irrigation, cost estimating and maintenance of traffic (MOT) plans. The firm also implemented a public awareness program for each of the three intersection projects. Signal design included conversion of stain poles to mast arm signals for each intersection project.

Transportation Manager-City of Fort Lauderdale, Fort Lauderdale, FL: Transportation Manager for the City of Fort Lauderdale Transportation and Mobility Department managing the traffic engineering, transportation planning and traffic design program. Developed the Uptown Link and Route Extensions for the Downtown Fort

Lauderdale Transportation Management Associations' Citywide Sun Trolley community bus service, developed and submitted relevant grant applications for transportation and transit projects including TIGER, Transportation Enhancement, EPA Green Streets and FTA New Freedom, developed the key citywide long-range transportation plan including the 2015-2035 comprehensive strategic multimodal program entitled Connecting the Blocks- Creating Options for Moving People, created the City's Complete Streets Guidelines and managed the citywide review of all transportation elements of the Development Review Committee to determine traffic impacts for new development projects in the City.

Diana Rivas, PE
Traffic Engineer

SUMMARY OF QUALIFICATIONS

Ms. Rivas has ten years of experience in Florida as a traffic engineer. Her experience includes analysis and design in traffic signals, traffic operations, Intelligent Transportation Systems, and traffic studies. She is knowledgeable of MUTCD, FDOT design standards and specifications, Plans Preparation Manual, Highway Capacity Manual, ITE's Traffic Engineering Handbook. She has worked on transportation projects and traffic studies for FDOT Districts 2 and 4, Palm Beach, Broward, Miami-Dade, Duval, St. Johns, and Alachua Counties as well as various south Florida municipalities.

TRAFFIC ENGINEERING EXPERIENCE

Downtown Boca Raton Traffic Study Boca Raton, FL 2016

Ms. Rivas prepared traffic study for the traffic analysis of the intersection of Palmetto Park Road and NE/SE 5th Avenue which examined the safety and the traffic operations of the intersection of Palmetto Park Road and NE/SE 5th Avenue and seven other surrounding intersections and enumerated at least three viable improvement concept plans. Consultant utilized Signal Four Analytics to complete comprehensive safety review of the intersection of Palmetto Park Road and NE/SE 5th Avenue. The alternative analysis included quantitative and qualitative elements such as Safety, Context Sensitivity, Capacity, Benefit Cost and Fatal Flaw analysis as well as the evaluation of bridge preemption and signal coordination with the subject intersection. The traffic study also evaluated neighborhood cut through traffic and possible traffic calming improvements that would mitigate the traffic intrusion.

Signal Retiming, Weston, FL: Performed signal retiming for all signalized intersections within the City of Weston to improve signal coordination utilizing along major corridors and improve overall efficiency of the City's roadway network. Part of the analysis involved the identification of all major signalized intersections, summary and analysis of traffic volumes, speeds, classification data, turning movement counts, intersection delays, gaps, and travel times. The Traffic analysis data was evaluated by using Synchro8 software application.

Engineer of Record, January 2014. Broward County Highway Construction and Engineering Division Mast Arms Conversion Group 1, County Project No N1030013P1: Project Manager, Engineer-of-Record; this is a design build project consisting in the conversion of span-wire supported traffic signals to mast arm supported traffic signals at 20 intersections. The scope of work included engineering and design services, traffic signal construction, installation of underground conduit and interconnect cable, installation of communications and support equipment, installation of traffic characteristics monitoring devices (video detection), installation of emergency vehicle pre-emption systems, minor roadway reconstruction and paving, maintenance of traffic, signing and pavement markings, and ADA compliant sidewalk construction.

Engineer of Record, January 2014. Broward County Highway Construction and Engineering Division Mast Arms Conversion Group 2, County Project No T1200209P1: Project Manager, Engineer-of-Record; this is a design build project consisting in the conversion of span-wire supported traffic signals to mast arm supported traffic signals at 15 intersections. The scope of work included engineering and design services, traffic signal construction, installation of underground conduit and interconnect cable, installation of communications and support equipment, installation of traffic

YEARS OF EXPERIENCE
11

YEARS WITH THE FIRM
4

EDUCATION
BS, Civil Engineering, Florida Atlantic University, 2006
Tau Betta Pi

AA, Engineering, Broward Community College, 2002

CERTIFICATIONS & LICENSES
Professional Engineer - FL #74568 (2012)

PROFESSIONAL AFFILIATIONS
Institute of Transportation Engineers (ITE)

American Society of Civil Engineers (ASCE)

characteristics monitoring devices (video detection), installation of emergency vehicle pre-emption systems, minor roadway reconstruction and paving, maintenance of traffic, signing and pavement markings, and ADA compliant sidewalk construction.

Signalization Engineer of Record, January 2015. Town of Davie, Broward County , Florida, Davie Road Phase 1, This project, which is partially funded by a FDOT County Incentive Grant, included the widening of Davie Road from 4 lanes to 6 lanes between SR 84 and Nova Drive. The scope includes adding a median, an additional lane in each direction, bike lanes, a new traffic signal at Nova Drive and Davie Road to accommodate the wider roadway, pedestrian upgrades, tree relocations and removals, drainage and lighting modifications, utility coordination, and traffic signal modifications at Reese Road to accommodate proposed dual left turns from southbound Davie Road to Reese Road.

Signalization Engineer of Record, May 2016. Town of Davie, Broward County, Florida, Davie Road Phase 2, This phase was funded by a Transportation Enhancement grant through the FDOT District 4 which required it to follow FDOT LAP submittal requirements. It consists of improvements to Davie Road from Nova Drive (SW 24th Street) to SW 39th Street. The scope includes construction of median, widening existing sidewalks, milling and resurfacing, signing and pavement markings, adding bicycle lanes, drainage, tree relocations and removals, pedestrian lighting and conventional roadway lighting modifications. This project also includes replacing the school zone flashing beacon on Davie Road north of SW 37th Street, and conversion of span-wire supported traffic signal to mast arm assembly at the intersection of Davie Rd and SW 39th St.

Engineer of Record, October 2016. City of Weston, Broward County, Florida, Bonaventure Blvd and Royal Palm Blvd Intersection and Roadway Improvements, This is a traffic signal and roadway modifications to Provide professional engineering, design and intersection analysis services associated with the replacement of the existing southwest quadrant mast arm structure to accommodate dual south bound left turn lanes and signal heads with a mast arm that meets the FDOT 150 MPH wind load requirements to meet the demand of AM and PM peak traffic movements. Permitting services were coordinated with Broward County Traffic Engineering Division and Bidding assistance was provided to the City of Weston.

City Traffic Engineering Services
Pembroke Pines, Florida Traffic Engineer on this Continuing Services Contract for traffic engineering task work orders. Provided a variety of traffic and transportation engineering services including intersection analysis, signalization analysis and design, roundabout analysis and design, roadway level of service analysis, public school traffic operational analysis, city-wide traffic modeling, city-wide traffic count database maintenance, corridor signal timing progression analysis, traffic calming and neighborhood traffic mitigation, responded to citizen inquiries and coordinated the interests of the City with Broward County Traffic Engineering Division, FDOT District IV, Broward MPO, and other key stakeholder government agencies.

Town Traffic Engineer Services Surfside, Florida
Traffic Engineer on this Continuing Services Contract for traffic engineering task work orders. Provided comprehensive traffic engineering services including intersection analysis, signalization analysis and design, roundabout analysis and design, roadway level of service analysis, public school traffic operational analysis, city-wide traffic modeling, city-wide traffic count database maintenance, corridor signal timing progression analysis, traffic calming and neighborhood traffic mitigation, reviewed site plan applications with respect to traffic engineering impacts, responded to citizen inquiries and coordinated the interests of the City with Miami Dade County Public Works Department Traffic Engineering Division, FDOT District VI and other key stakeholder government agencies

City of Key West ULDR Update and Complete Streets Manual Key West, Florida 2016
Traffic Engineer for complete rewrite of the City's Land Development Regulations. The key areas of focus for the

project included the incorporation of new standards, programs, and processes related to Complete Streets, Parking, Transportation Demand Management, Affordable Workforce Housing, Signage, Landscape, Urban Design, Green Building and Adaptation Planning and Disaster Planning

Interstate 75 and Pines Blvd Traffic Mitigation Study and LOS Synchro Analysis 2013: CGA and FDOT District 4 traffic operations personnel combined efforts to evaluate existing conditions and produce traffic flow improvement strategies and protocols on when to implement these strategies to relieve AM and PM peak traffic congestion at this interchange. A LOS Synchro analysis was developed proposing 4 different scenarios for the retiming at the intersection of SR820/Pines Blvd and Grand Palm Dr using existing traffic counts and AM peak delays. The feasibility of the potential improvements and recommendations at short, mid, and long term are being evaluated so they can be pursued with the City Mayor and City Commissioners.

Andrews Ave Pedestrian Safety Study Oakland Park, Florida 2016
Ms. Rivas prepared traffic study which evaluated the need for mid-block crosswalks along a stretch of Andrews Avenue between Oakland Park Boulevard and Prospect Road. Consultant completed a safety analysis including review of crash history along the corridor using Signal Four Analytics. Consultant evaluated the proposed midblock crosswalk locations based on criteria of the Traffic Engineering Manual and Manual on Uniform Traffic Control Devices per Broward County Traffic Engineering Division. Consultant collected pedestrian traffic data including four-hour pedestrian volume counts at ten (10) proposed mid-block crossing locations and 24-hour bi-directional traffic counts were collected for Andrews Ave between Oakland Park Blvd and NW 38th Street and on Andrews Avenue south of Prospect Road. Consultant also evaluated the traffic operational conditions at the four signalized intersections along Andrews Avenue at Prospect Road, NE 38th Street, and E. Oakland Park Boulevard to determine the appropriate length of future dedicated turn lanes.

PEDESTRIAN AND SAFE ROUTES TO SCHOOL (SRTS) PROJECT EXPERIENCE

SRTS Atlantic Beach Elementary Schools, Duval County, FL: Assisted the City's Public Works Director developing the SRTS application for the North Florida Transportation Planning Organization (NTPO) and FDOT District 2 review. Developed conceptual design plans and Long Range Estimates (LRE) for the construction of approximately 1.5 miles of concrete multipurpose sidewalk path on two adjacent roads that provide direct access to Atlantic Beach Elementary School, in addition to it ADA curb-cut ramps, modifications and improvement to existing pavement markings, as well as new signage improvement were proposed. All considered components were designed following the latest version FDOT Roadway Design Indexes and MUTCD Guidelines. Attended and participated in multiple public involvement meetings regarding the project and served as the liaison between the FDOT D 2 and the applicant.

Sandra Lee, AICP CEP, LEED AP BC+D, 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, Ms. Lee was a Biologist with the Growth Management Division of Monroe County. During the three years that CGA provided planning and zoning services for the newly incorporated City of Marathon, she lived full-time in the Florida Keys and was responsible initially for all the environmental planning for the City of Marathon and subsequently for a full range of planning services for the City. Prior to relocating to Fort Lauderdale, Ms. Lee was a resident of the Florida Keys for 10 years where she became very familiar with the environmental sensitivities regarding the flora, fauna, land and special government programs governing and protecting the 160-mile string of coral islands making up the Keys, a designated area of critical State concern.

ENVIRONMENTAL RESOURCE PERMITTING EXPERIENCE

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 Harbor/Pembroke Cay, Pembroke Pines. Responsible for coordinating the final issuance of permits, with multiple firms, for a 170 acre residential and commercial development project that required 34 acres of on- site mitigation and the purchase of 55 mitigation bank credits. Completed the final wetland mitigation plan and planting chart, also conducted the mitigation construction oversight, the five year mitigation compliance monitoring, and the mitigation maintenance oversight. Conducted the site assessment and obtained a permit modification for a roadway extension which included additional wetland impacts and the purchase of additional mitigation bank credits.

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

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.

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.

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.

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.

Lloyd Estates, Oakland Park. Responsible for all site assessments, designing a bio-swale 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.

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.

Aqua Isles Multi-Family Residential Development Project with Marina, Dania Beach. Responsible for obtaining a Broward County permit to increase the number of boat slips in the residential marina of a new multi-family residential development.

Foxcroft Multi-Family Residential Development, Miramar. Responsible for site assessments and obtaining a US COE, Broward County, and a South Florida Water Management District permit for the redevelopment of a golf course into a residential community. Mitigation bank credits were purchased for the US COE permit and on-

site mitigation was conducted for Broward County. Additionally, over 20 acres of non-mitigation created wetland habitat was designed and included in the final plan.

City Center Parking, Pembroke Pines. Responsible for environmental permitting, which included the site assessments, wetland assessments and obtaining a US COE, a Broward County and a South Florida Water Management District permit for the development site and for a newly constructed off-site mitigation area. Nearly the entirety of the development site was wetland and was comprised of multiple habitat types and qualities; also developed the mitigation plan for the conversion of an off-site golf course to wetland habitats. The development fell within an FPL power line easement requiring additional coordination and approvals with FPL. The US COE permit required purchasing mitigation bank credits. Economic developments in 2014 lead to the City selling the off-site golf course. Worked with the City to release the recorded conservation easement and obtain new permits to allow the City to build the parking facility within the FPL easement with a combination of mitigation bank credits and off-site mitigation at another location.

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.

Ortanique Residential Subdivision, Pompano Beach. On behalf of the City CRA obtained an ongoing Florida Fish and Wildlife Conservation Commission permit to relocate burrowing owls and collapse burrows to allow on-going site grading work to be conducted within the City owned CRA subdivision.

FPL Substation, Dania Beach. Conducted the site assessments and wildlife survey and obtained a U.S COE and a Florida Department of Environmental Protection permit for the expansion of an electric substation in mangrove habitat recognized as Outstanding Florida Waters, and coordinated the purchase of mitigation bank credits for the wetland impacts.

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.

Loughman/Martin Marietta Facility, Polk County. Conducted coordination with the US Fish and Wildlife Service and obtained a determination of compliance with the Endangered Species Act for the federally listed sand and blue tailed mole skinks for the construction of an asphalt distribution facility located within known skink habitat.

GRANT ADMINISTRATION

Dania Cove Park, Dania Beach. 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.

Bonaventure Pump Station and Drainage Improvements, Weston. Tracked all expenditures and processed and obtained all grant disbursement funds for the City from a Florida Division of Emergency Management Hazard Mitigation grant, a South Florida Water Management District grant, and a Florida Department of Environmental Protection grant. Compiled the grant final report and closed out the Florida DEM grant.

Stormwater Improvements, West Park. Tracked all expenditures and processed and obtained all grant disbursement funds for the City from South Florida Water Management District and a Florida Department of Environmental Protection grant.

Sanitary Sewer Improvements, Surfside. Tracked all expenditures and processed and obtained all grant disbursement funds for the City from a Florida Department of Environmental Protection grant.

Drainage Improvements, Surfside. Tracked all expenditures and processed and obtained all grant disbursement funds for the City for two Florida Department of Environmental Protection grants.

Patrick Murphy
Environmental Specialist II

SUMMARY OF QUALIFICATIONS
Mr. Murphy has over 8 years of professional experience and assists the CGA Environmental Department in regulatory permitting, environmental planning, site assessments, resource management and environmental technical support services. Before joining CGA, Mr. Murphy was a Senior Project Biologist with The Chappell Group, Inc. During the seven years at The Chappell Group, Inc. Mr. Murphy was responsible for various environmental services for private and public entities. Included in Mr. Murphy's responsibilities were environmental permitting, project management, project delegation, report writing, wetland jurisdictional determinations, environmental feasibility studies, construction observation, mitigation design, mitigation monitoring, benthic resource surveys, marine turtle lighting surveys and permitting, and permit compliance.

ENVIRONMENTAL RESOURCE PERMITTING

Port Bridge over FPL Discharge Canal, Port Everglades, FL: Performed environmental permitting for a new bridge over the FPL discharge canal to alleviate transport and cruise passenger congestion on Eller Drive, and to allow better access to the east container yard. Included the responsibilities was an environmental assessment, construction inspection, and obtaining USACOE, Broward County and Florida Department of Environmental Protection (FDEP) permits. As a result of mangrove impacts a mangrove planter was designed, permitted and required quarterly/annual site inspections.

Alsdorf Park, Pompano Beach, FL: Performed environmental permitting for improvements to the existing boat ramp and site parking lot at Alsdorf Park. Responsibilities included an environmental assessment, preparation of conceptual designs for improvements to the existing boat ramps and parking lot utilizing AutoCAD, benthic and bathymetric assessments, tree appraisal, and obtaining USACOE, Broward County and FDEP permits. All permits were obtained and the project is waiting for grant funding to be constructed.

WETLAND JURISDICTIONAL DETERMINATION

***Mills Pond Park, Fort Lauderdale, FL:** Conducted a wetland jurisdictional determination of the area adjacent to an existing soccer field for the redevelopment/expansion of the field. Obtained an approved Wetland Jurisdictional Determination from Broward County.

***Pembroke Road Extension, Pembroke Pines, FL:** Conducted a preliminary wetland jurisdictional determination of an approximate 30.0 acre area for the extension of Pembroke Road west of SW 196th Avenue.

Children's Reading Center, Davie, FL: Conducted a preliminary wetland jurisdictional determination of an 11.7 acres parcel for a future educational facility.

Pembroke Road, Pembroke Pines/Miramar, FL: Conducted a wetland jurisdictional determination for the Pembroke Road overpass, connecting Pembroke Road over Interstate 75, on the border of Pembroke Pines & Miramar. The overpass is located adjacent to several existing mitigation areas.

THREATENED & ENDANGERED SPECIES SURVEY EXPERIENCE

YEARS OF EXPERIENCE
9

YEARS WITH THE FIRM
+1 year

EDUCATION
Nova Southeastern University, Fort Lauderdale, Florida
Bachelor of Science in Environmental Science

CERTIFICATIONS & LICENSES
International Society of Arboriculture, Certified Arborist:
FL-6225A

Certified PADI Open Water Diver #14040L1452

PROFESSIONAL AFFILIATIONS
International Society of Arboriculture (ISA), Member

South Florida Association of Environmental Professionals (SFAEP), Member

Society of Wetland Scientist (SWS), Member

Central Broward Water Control District (CBWCD) N-30 Canal Extension, Davie, FL: Conducted a threatened and endangered species survey for drainage improvements associated with CBWCD Canal Nos. N-29, 30 and 30A.

Pembroke Road, Pembroke Pines/Miramar, FL: Conducted a threatened and endangered species survey for the Pembroke Road overpass connecting Pembroke Road over Interstate 75 on the boarder of Pembroke Pines & Miramar. The overpass is located adjacent to several existing mitigation areas.

Rick Case Auto Parcel, Weston, FL: Conducted a threatened and endangered species survey for the expansion of the existing dealership.

Bonaventure Golf Course, Weston, FL: Conducted a threatened and endangered species survey for the redevelopment of an existing gold course.

5800 Park of Commerce Blvd NW, Boca Raton, FL: Conducted a threatened and endangered species survey for the potential redevelopment of an 8.74 acre vacant parcel for the potential expansion of a commercial property.

Hiatus Road Improvements, Sunrise, FL: Conducted a threatened and endangered species survey for improvements to and extension of Hiatus Road from Sunrise Boulevard to NW 32 Place.

CONSTRUCTION OBSERVATION

***Lloyd Estates Drainage Improvements, Oakland Park, FL:** Conducted weekly construction inspections of the Lloyd Estates Drainage Improvements construction. Coordinated with the contractor to ensure all construction was performed in compliance with the environmental regulatory permits and ensure no impacts occurred outside the footprint of the permitted impacts necessary for construction.

Ash Monofill – FPL Relocation, Davie, FL: Conducted weekly construction inspections of the Florida Power & Light power pole and power line relocation construction due to the expansion of the Broward County Ash Monofill facility. Coordinated with the FPL contractors to ensure all construction was performed in compliance with the environmental regulatory permits and also coordinated with Broward County Solid Waste Operations Division and FPL to ensure no wetland impacts occurred outside the footprint of the permitted impacts necessary for construction.

Port Bridge over FPL Discharge Canal, Port Everglades, FL: Conducted construction observation/permit compliance inspections for a new bridge over the FPL discharge canal to alleviate transport and cruise passenger congestion on Eller Drive, and to allow better access to the east container yard. The permitted bridge was constructed adjacent to existing mangroves to be preserved. Prepared punch list of activities for review.

Nicole Miller
Engineering Intern

YEARS OF EXPERIENCE
5

YEARS WITH THE FIRM
1

EDUCATION
BS, Civil Engineering, Florida Atlantic University, 2017

SUMMARY OF QUALIFICATIONS

Ms. Miller is a recently graduated engineer intern with 5 years of experience working on civil engineering projects of many types. She has experience in AutoCAD Civil 3D and in Engineering Permit Review.

ENGINEERING EXPERIENCE

City of Delray Beach Engineering Permit Review, Delray Beach, Florida
Permit Reviewer – Project Ongoing
Providing Engineering Permit Review effort for the City of Delray Beach. Trained in reviewing all classifications of engineering permit applications in the City of Delray Beach and in utilizing their custom permit tracking system.

Calvin, Giordano & Associates, Inc. – Fort Lauderdale, FL
Davie Golf Course and Country Club: Davie, FL – Davie Golf Course and Country Club building construction project that required the relocation of the water and sewer lines to access the new clubhouse.

- Estimated quantities and cost of materials, equipment and labor to determine project feasibility
- Drafted detailed dimensional drawings, and design layouts of the proposed mains and demolished lift station
- Coordination with City of Sunrise and Town of Davie regarding ownership, costs, and permitting
- Conducted drainage calculations for storm sewer, and sanitary sewer installations
- Coordinated utility locations through letters, as-builts, and utility owner contact
- Edited project reports, specifications, plans, permits, and designs

Town of Surfside: Miami, FL - Maintenance of the Town of Surfside infrastructure systems through daily monitoring, reports, and permits

- Attended City meetings for Sanitary Sewer Evaluation Survey (SSES), National Pollution Discharge Elimination System (NPDES), Capacity Management Operation and Maintenance (CMOM) reports
- Coordination with Town of Surfside, Miami Dade, Miami Beach, and Department of Environmental Resources (DERM) regarding permitting,
- Technical report writing and revision for SSES
- Collect Monthly Operating Report (MOR) Data from Surfside Pump Stations

Lloyd Estates Drainage: Oakland Park, FL - A complete update to the Lloyd Estates drainage system through swales, new drainage pipes, grading, and structures to reduce the impact of severe flooding

- Revised specifications to be submitted to the City
- Coordinated utility locations through letters, as-builts, and utility owner contact
- Performed drainage calculations for conflicting pipe crosses
- Permitted through Broward County, and City of Oakland Park

Alan L. Gerwig, P.E., LEED AP
President

Alan Gerwig is President of AGA and has extensive background in the design and plan preparation of civil site design and structural design. He founded AGA in 1998 with a commitment to serving its clients with honesty, integrity and sound engineering judgement. His experience ranges from civil site development, municipal infrastructure design, industrial buildings, marine structures, waterfront structures, traffic signal support structures, highway bridges, box culverts, and retaining walls, sea walls and bulkheads

Alan understands the Client's expectations and committed to seeing that every project has the resources necessary to be completed successfully, on time and on budget.

Qualifications

BSCE, Civil Engineering, West Virginia Institute of Technology, 1982

MSCE, Masters in Structural Engineering, West Virginia Institute of Technology, 1985

Florida Licensed Professional Engineer: License #39481

19 yrs with AGA
13 yrs with Others

Core Experience

- Project management
- Local road design
- Neighborhood improvements
- Highway bridges and civil structures
- Storm water pump stations
- Environmental permitting
- Storm water management
- Water & sewer systems, sanitary sewer lift stations
- Canal crossing structures (culverts, headwalls, utility)
- Major water control structure design for SFWMD and LWDD
- Highway bridge renovation
- Water & sewer systems, Including analysis of lift stations

Key Project Experience

- Bryant Park Seawall and Parking Lot Replacement – City of Lake Worth, FL
- Bryant Park Boat Ramp Replacement - City of Lake Worth, FL
- Bryant Park Boat Ramp Parking Lot Paving & Drainage - City of Lake Worth, FL
- Seminole Boulevard and Osceola Drive LWDD L-2 Canal Crossings & Roadway Improvements
- Grove Street Drainage & Roadway Improvements
- Summit Boulevard Bridge Replacement & Road Widening Study
- CR 880 over C-51 Canal Bridge Replacement and Roadway Widening & Realignment
- Palm Beach State College Loxahatchee Groves New Campus Site Design, Loxahatchee Groves, FL
- Palm Beach State College Eissey Campus Loop Road Design, Palm Beach Gardens, FL
- Jog Road Bridge over the M – Canal, Palm Beach County, FL
- Lyons Road Bridge over C-51 Canal, Palm Beach County, FL
- Monet Road Bridge, North Palm Beach – emergency bridge repair of undermined approach slab
- Yacht Club Drive Seawall Replacement, North Palm Beach, FL
- Royal Palm Beach Public Safety Building, Royal Palm Beach, FL

Simon Coleman, Ph.D., P.E.
Senior Project Manager

Simon Coleman is a Senior Project Manager & Engineer with AGA and has a wide range of experience on complex analysis and design projects. He has extensive experience in designing highway structures in accordance with AASHTO and FDOT standards and procedures including highway bridges, traffic signal structures, box culverts and retaining walls. In addition, he has extensive experience with the design of marine structures including marinas, bulkhead walls and boat ramps. To complement his design experience, he has performed numerous third-party reviews of structural projects as part of AGA's continuing services contract for structural engineering with Palm Beach County. He also possesses a wide range of civil engineering experience and expertise.

Qualifications

B.Sc., Civil Engineering, University of Nottingham, UK, 1987

Ph.D., Civil Engineering, University of Nottingham, UK 1990

Florida Licensed Professional Engineer: License #68929

11 yrs with AGA
15 yrs with Others

Core Experience

- Project Management & Client Co-ordination
- Design of Highway Bridges
- Design of Deep Foundations
- Design of Traffic Signal Structures
- Design of Box Culverts
- Design of Retaining Walls & Bulkheads
- Design of Marina Structures
- Design of Boat Ramps
- Environmental Permitting
- Third Party Peer Reviews

Key Project Experience

- Central Boulevard over C-18 Canal – Bridge Widening, Palm Beach County, FL
- Royal Palm Beach Blvd Bridge over M – Canal, Palm Bach County, FL
- Atlantic Commons Bridge over the LWDD E-1-E Canal, Palm Beach County, FL
- SR 933 - Analysis & Design of Existing and Replacement Mast Arm Structures, Miami, FL
- Jog Road Extension – SWA Canal Box Culvert Design, Palm Beach County, FL
- Bryant Park Boat Ramp Replacement – City of Lake Worth, FL
- Bryant Park Seawall Replacement - City of Lake Worth, FL
- Ocean Inlet Park Marina Condition Assessment & Replacement Master Plan, Palm Beach County, FL
- Summit Boulevard Bridge Replacement Study, Palm Beach County, FL

Mr. Gableman is the President of JLRD, Inc., and is experienced in the production of electrical engineering documents. He has 24 years of experience providing design, investigation, estimating, analysis and construction administration for communications, lighting, power and related electrical systems. Mr. Gableman's experience includes both new construction and renovation projects for schools, industrial facilities, and hospitals.

Mr. Gableman has provided electrical design services on new and retrofit projects for a wide variety of clients including Palm Beach County, The City of West Palm Beach, Florida Atlantic University, The School District of Palm Beach County, Broward College, Palm Beach State College. He has performed electrical design for the Palm Beach County Water Utilities Central Region Operations Center, and the telecommunications structured wiring system design for NASA's Operations Support Building II.

Representative Projects:

Aeromedical Facility – Palm Beach County
West Palm Beach, Florida

Palm Beach County Water Utilities – CROC, WROC
Palm Beach County, Florida

PBC Tax Collector/Property Appraisers Office
Delray Beach, Florida

PBC Health Department – Generator Replacement
West Palm Beach, Florida

FDOH – West Palm Beach Headquarters
West Palm Beach, Florida

PBC Airport Centre Tourism/PBSO Substation
West Palm Beach, Florida

NASA – Upgrade Systems IACP
Kennedy Space Center, Florida

Charles C. Gableman, P.E., LEED AP®

President

Education

Bachelor of Science – Electrical Engineering
Florida Atlantic University, 1993

Registrations

Professional Engineer, FL #51936
LEED® Accredited Professional

Professional Experience

24 Years

PBC Tax Collector/Property Appraisers Office
Delray Beach, Florida

Palm Beach County Water Utilities

Mr. Linden is a Vice President with JLRD, Inc., and has over 23 years of experience providing design, investigation, studies, energy analysis, project management, construction observation for HVAC, plumbing, and fire protection, and related mechanical systems.

Mr. Linden has provided mechanical design services on new and retrofit projects for many clients including Palm Beach County, The City of West Palm Beach, Florida Atlantic University, The School District of Palm Beach County, St. Mary's Medical Center, Delray Medical Center, and NASA, as well as other public and private clients. His experience includes both new construction and renovation projects for the various clients.

Mr. Linden participated in the data collection and energy analysis for the FAU Seatech Facility, and design modifications to lower the energy costs. He is the Engineer of Record for the first LEED Platinum Elementary School in Palm Beach County.

Representative Projects:

Delray Health South HVAC Replacement
Delray Beach, Florida

NASA Utility Annex Design
Kennedy Space Center, Florida

W. Boynton PBSO Substation
Boynton Beach, Florida

Greenacres Community Center Renovation & Expansion
Greenacres, Florida

PBC WUD WROC Complex
West Palm Beach, Florida

PBC Airport Centre Tourism/PBSO Substation
West Palm Beach, Florida

Michael P. Linden, P.E. LEED®

Vice President

Education

Bachelor of Science – Mechanical Engineering
University of South Florida, 1993

Registrations

Professional Engineer, FL #58094
LEED® Accredited Professional

Professional Experience

23 Years

Supervisor of Elections
Palm Beach County

PBC Airport Centre/PBSO
West Palm Beach, Florida

Mr. Richard Iossi, PE
Principal/President

FORMAL EDUCATION:

Florida Atlantic University,
Boca Raton, Florida
- Bachelor of Science, Electrical Engineering

- Bachelor of Science, Ocean Engineering

-Bachelor of Science, Biological Science

PROFESSIONAL REGISTRATIONS:

Registered Engineer-
State of Florida #42604

Florida Water Well
Contractor #11108

OSHA Health & Safety
Training for Hazardous
Waste Sites

PROFESSIONAL AFFILIATIONS:

Florida Engineering
Society- Broward Chapter

REFERENCES:

Mr. Bill Tripoldi
The Related Group
2750 S. Ocean Boulevard
Hollywood, Florida
(954) 924-2429

Miami Dade Public Schools
1450 NE 2nd Avenue
Miami, Florida 33132
Mr. Juan Salinas
(305) 995-4696

PROFESSIONAL EXPERIENCE:

Mr. Iossi's thirty years of experience includes engineering, consulting and management for environmental, geotechnical, geologic and hydrogeological studies, construction inspection and materials testing and special projects.

Mr. Iossi has successfully completed several thousands of environmental projects ranging from 3 days to six years in duration with budgets ranging from $500 to an excess of $1 million governing groundwater protection. Mr. Iossi currently supervises/ directs activities (along with Mr. Jan Beernink, Vice President) performed by environmental staff members in the areas of Environmental Property Assessments (Phase I/ II), storage tank compliance and investigations, preparation of Contamination Assessments Reports and Remedial Action Plans, execution of remedial programs, environmental well design and installations, and indoor air quality investigations. As President of the firm, Mr. Iossi takes an active role in ALL environmental projects and has overall responsibility of our in-house quality assurance program.

Project types include airports, auditoriums, bridges, commercial buildings, marinas, high rise towers, historical structures, hospitals, hotels, industrial plants, retention structures, railroad structures, roadways, schools and other buildings, shopping centers, television towers, water and waste water treatment plant parcels. Mr. Iossi is experienced with asphaltic concrete, portland cement concrete, structural steel, soils and other construction materials.

Investigation and studies include sound and lighting surveys, site development feasibility, foundations for structures, evaluation of building and earthwork failures and remedial methods, load carrying capacity of piles and drilled piers and structural members, ground improvement methods, groundwater contamination and remediation, pre-purchase environmental assessments, seismological evaluations and sinkhole studies.

PROJECT EXPERIENCE:

- Village of Wellington, Various Projects: Qualification based contract with the Village, projects include but are not limited to:
  - Phase I/II environmental assessment on 40 acre golf course and ancillary structures
  - Phase I/II environmental assessment on ~15.5 acre undeveloped parcel
  - Limited soil quality evaluation through the collection of ~30 soil samples collected-via manual auger borings to a depth of 4' below land surface at a community building. The soil samples were submitted for lab analysis for to evaluate the presence of contaminants

PROJECT EXPERIENCE:

- Proposed Automotive Dealerships, Palm Beach County: Phase II environmental assessments, including soil and groundwater sampling and analysis for specific contaminants of concern on sites slated for future automotive dealerships.
- Various Commercial properties, throughout Palm Beach, Broward and Miami-Dade County: Provided asbestos survey and remediation recommendation for various commercial properties.
- Proposed Business Park, Pompano Beach: Phase I/II on the subject site which consisted of a ~35 acre partially developed. A Site Assessment Report was submitted to EPD and laboratory analytical results of groundwater samples collected from onsite monitoring wells as part of the SAR.
- Former Country Club/Golf Course, Broward County: Site assessment report of a former 125+ acre golf course/club, including the play area and the maintenance facility area to determine the soil and groundwater impact (soil quality, the presence of any contaminants) as a result of the storage, usage, handling and application of agrochemicals. Subsequent contamination assessment services were recommended including the installation of groundwater monitoring wells.
- City Owned Arts Center, Broward County: Retained by an entity to assist with obtaining a General Water Use Permit from SFWMD and approval of a dewatering plan for evaluation of radius of influence of proposed dewatering activities versus the distance to nearest contaminant plume(s). As part of the report Nutting included the anticipated time lines of the proposed dewatering activities and dewatering details (pump information, proposed dewatering discharge as well as measures to control turbidity).
- Multiple School District Properties, Broward & Miami-Dade Counties: Qualification based contracts with the School Districts since 1987 and 2000, respectively. Full scope of environmental services on hundreds of properties including Phase I and Phase II environmental property assessments, TCAR, SAR, air quality testing, interim source removal and natural attenuation monitoring services.
- Salvation Army Site, Broward County: Conducted limited site assessment activities at the ~12 acre site developed with multiple commercial buildings. The assessment was performed in general accordance with the Contaminated Site Cleanup Criteria set forth in Chapter 62-780, Florida Administrative Code (FAC).
- Proposed residential development, Martin County: Phase I site assessment on a 209.7 acre unoccupied parcel
- School Board of Indian River County: Bus Transport Site, 1990 25th Street, Vero Beach
- School Board of St. Lucie County: Installation of monitoring wells at the Bus Maintenance Area, 2909 Delaware Avenue, Fort Pierce
- Numerous school sites for Miami-Dade and Broward County School Districts
- Former gas station (private client), North Bay Village: Phase I and Phase II site assessment, contamination assessment activities

Richard C. Wohlfarth, P.E.
Principal/ Director of Engineering

FORMAL EDUCATION:

University of Florida,
Gainesville, Florida

Bachelor of Science,
Civil Engineering

PROFESSIONAL REGISTRATIONS:

Registered Engineer-
State of Florida #50858

Registered Building Inspector-
State of Florida BN #3580

SBCCI #6528

ACI Level 1 #991175

UBCI

PROFESSIONAL AFFILIATIONS:

Florida Engineering Society
*Past Chapter President

National Society of Professional Engineers

REFERENCES:

Palm Beach County -
Department of Engineering and Public Works
2300 North Jog Road
West Palm Beach, Fl. 33411
Mr. Steven O'Neil
561- 684-4149

South Florida Water Management District
3301 Gun Club Road
West Palm Beach, Fl. 33416
Ms. Jennifer Gent, PE
561-274-4863

PROFESSIONAL EXPERIENCE:

Mr. Wohlfarth, P.E. is the Director of the Engineering Department which includes professional and technical personnel. He also has overall responsibility for the Special Inspection, Construction Materials Testing and Geotechnical Engineering Divisions where he directs training, quality system review and personnel evaluations. His responsibilities include report review, signing and sealing geotechnical engineering, structural inspection and laboratory testing reports for the company, providing contract negotiation and administration, budget estimating and project management.

Mr. Wohlfarth has 30 years of experience (25 with NEF; 5 with other) in various aspects of geotechnical engineering which include determining feasibility of site development, foundation design analysis and recommendations, providing engineering evaluation for bridge and roadway construction, pavement design for roadways, roadway subgrade stabilization by geotextiles and other means, design of shoring systems for utility trenches and other deep excavations, dewatering methodology for trench and other excavations and backfill procedures, setting up and monitoring pile load tests, and providing value engineering for foundations.

PROJECT EXPERIENCE AS SENIOR PROJECT ENGINEER:

- City of Delray Beach:
  - Numerous water main, force main and drainage improvements projects throughout the City, including but not limited to: SW 1st Avenue, NW 16th Street, NE 8th Avenue, North Lake Ida Area, Coconut Row, Congress Avenue, Hyacinth Drive, Iris Drive, Linton Boulevard, and NW 3rd & 4th Avenue
  - Atlantic Avenue Improvements: I-95 to NW 12th Avenue, east of I-95 north and south side of Atlantic Avenue -new piping, paver brick/pacer sidewalks, decorative street lamps, landscaping, curb extensions, widening the sidewalks. Converted the signalized intersections at 12th, 10th and 8th Avenue to trombone mast arms
- Seacrest Boulevard Roadway Improvements, Boynton Beach: Including embankment, 12 inch thick stabilized sub grade (type "B"), 8 inch thick limerock base course, concrete sidewalks and curbs, stamped paving and some milling of existing and paving of asphaltic concrete pavement
- City of Lake Worth, 7th Avenue South Extension: 1,600 to 1,700 linear feet of new asphalt paved roadway section consisting of two lanes, each bordered by concrete curb and gutter and a four foot wide bike lane
- City of Lake Worth, 7th Avenue South Extension: 1,600 to 1,700 linear feet of new asphalt paved roadway section consisting of two lanes, each bordered by concrete curb and gutter and a four foot wide bike lane

PROJECT EXPERIENCE:

- Various projects for the Palm Beach County Board of Commissioners: Qualification Based Contract (1986-2000; 2011 - ongoing) Environmental Assessments, Geotechnical Engineering, Material Testing, Structural Inspections.
    - Kirk Road Bridge over LWDD L-9 Canal
    - Village of Palm Springs Water Interconnection
    - 10th Avenue North Water Main Extension
    - Riddle Road, Karl Road, Willow Road & Pine Road Water Main Extension
    - Belvidere Road & Haverhill Road Intersection Improvements
    - South County Water Services Replacement Phase II
    - Town of Mangonia- Pioneer Road Sanitary Sewer Extension
- South Florida Water Management District:
    - Stormwater Treatment Area (STA-1W) and L-7 levee, A. Marshall Refuge, Palm Beach
    - G-103 Weir Replacement, Lake Kissimmee State Park
    - G-87 Gate Replacement, Canal at SWC of Flamingo Drive & Sheridan Street
    - S-124 Culvert Replacement and Automation, Markham Park
    - G-136 Culvert Replacement at juncture of L-1 and L-2 Canals
- City of Coral Springs:
    - Coral Hills force main on Coral Hills Drive and NW 36th Place, Forest Hills wellhead rehabilitation at various locations, emergency water services interconnect upgrades at Coral Ridge Drive and Wiles Road, Coral Springs Drive and Royal Palm Boulevard, miscellaneous water distribution improvements at 120th Avenue, 41st Street and Wiles Road
    - Rehabilitation of West and Easter booster stations
    - Forest Hills wellhead rehabilitation at various locations
    - Emergency water services interconnect upgrades at Coral Ridge Drive
- City of Coconut Creek: Geotechnical exploration/engineering and construction material testing firm for the installation of 5,900 lf new underground reclaimed water pipe line in the area of Wiles Road, Lyons Road and the NE 39th Street
- Lloyd Estates Drainage Improvements, City of Oakland Park (c/o Consultant): Improvements included construction of new pump stations and seawall installations at various locations in the Lloyd Estates neighborhood
- City of Sunrise Sawgrass Floridian Raw Water Main, Reuse Water Pipeline and Wellheads, Phase I: Geotechnical exploration/engineering firm for installation of a 24” raw water pipeline extending along NW 8th Street, International Parkway and Concord Terrace. Installation done using open cut in the roadway areas and directional drilling at the canal crossing

LARRY M. SMITH, P.E.

Smith Engineering Consultants, Inc.
2161 Palm Beach Lakes Blvd., Suite 312, West Palm Beach, FL 33409
Phone: (561) 616-3911 Fax: (561) 616-3912

SUMMARY:

Over 30 years of experience as an electrical engineer in the areas of electric utilities, water and wastewater utilities, solid waste, water control structures and pump stations, airport electrical systems, architectural projects, telecommunications, and roadway, sportsfield, and specialty lighting. Demonstrated skills in engineering and design, project management, client relations, and staff administration.

EXPERIENCE:

Smith Engineering Consultants, Inc., West Palm Beach, Florida
1999-Present

President

Owner and Manager of Electrical Engineering.

Resource Management International, Inc., West Palm Beach, Florida
1991-1998

Regional Office Manager

Supervised staff of eleven including five electrical engineers, one mechanical engineer, three CADD operators, and two secretaries. Responsible for the profitability and success of our south Florida business while reporting to a senior vice president in another location. This role included the following day-to-day activities: business development, client management, corporate administration, office administration, quality engineering review, and employee supervision. Maintained close to a 50 percent billability rate (as Project Manager) while successfully managing the regional office.

Project Manager

Simultaneously managed numerous projects of various types and sizes. Responsible for completing all aspects of a particular project from initial client contact, fee proposal and negotiation, engineering concept, design, cost estimating, and permitting, through construction administration and observation. All projects were completed on time and within budget. Consistently achieved design goals in a cost effective manner while maintaining operational simplicity and reliability. Some examples of the types of projects completed are: high voltage (138kV) transmission and medium voltage (5kV and 26kV) distribution system studies, high voltage (138kV and 69kV) substation design, water and wastewater treatment plant design including power (4,160 and 480 volt), lighting, controls, and instrumentation, water and wastewater pump stations and lift stations, SCADA/telemetry system design, energy conservation studies, power quality analyses including harmonics, standby generator installations, airport runway and taxiway lighting and signage, campus telecommunication systems planning and design, and various lighting installations including highways, roadways, parking lots, sportsfield, and specialty lighting.

C.E. Bailey and Associates, Inc., Ft. Lauderdale, Florida
1989-1990

Project Engineer

Assisted electrical project managers in the design of water and wastewater treatment plants, pump stations, and lift stations. Designed power, lighting, control, and instrumentation systems for numerous facilities of these types.

Florida Power and Light Company, Boca Raton, Florida
1988-1989

Distribution System Engineer

Designed numerous medium voltage (13.2kV and 22.9kV) distribution systems both overhead and underground. Responsible for all aspects of electric service within a given geographical area including distribution system planning and design, service planning, coordination, and design, energy conservation audits, power quality surveys, and roadway lighting design.

EDUCATION:

Graduate Studies – Electrical Engineering (Telecommunications)
Florida Atlantic University
Boca Raton, Florida

B.S. - Electrical Engineering, 1987
Florida Atlantic University
Boca Raton, Florida

CERTIFICATIONS:

Professional Engineer, Florida No. 45997
Professional Engineer, North Carolina No. 033663
Technical Assistance Analyst, Florida No. T-0828

MEMBERSHIPS:

Tau Beta Pi (Engineering Honor Society)
Institute of Electrical and Electronics Engineers (IEEE)
National Society of Professional Engineers (NSPE)
Florida Engineering Society (FES)
The Association of Energy Engineers (AEE)
National Fire Protection Association (NFPA)
Illuminating Engineering Society (IES)

PUBLICATIONS:

"A Practical Approach in Substation Capacitor Bank Applications to Calculating, Limiting, and Reducing the Effects of Transient Currents," IEEE Transactions on Industry Applications,
Vol. 31, No.4, July/August 1995.

P. K. Patel, P.E.

Smith Engineering Consultants, Inc.
2161 Palm Beach Lakes Blvd., Suite 312, West Palm Beach, FL 33409
Phone: (561) 616-3911 Fax: (561) 616-3912

Summary: Has over twenty five years of experience in:

- Facility Management, Facility Engineering and Work Control
- Development and Management of Commercial and Industrial Projects
- Resource Planning
- Risk Assessment and Risk Management

Education

- MSEE, North Dakota State University, Fargo, North Dakota
- Register Professional Engineer, State of Florida

Specific Work Related Experience:

- Service Entrance switchgear, Power Distribution and MCC designs and specifications.
- Coordination with local Electric Utilities for Service Entrance Transformers.
- Short Circuit & Voltage Drop Calculations.
- Grounding & Lightning Protection.
- Communication & Fire Alarm Systems.
- Interior, exterior & site lighting for commercial buildings with photometric calculations.
- Lighting Control Systems.
- Building surveys, Facility Review and Facility Turnover reports.
- Load sharing, shedding, Sizing & selection of Emergency/Standby Generators.
- Mission Critical UPS design.
- Fire and life Safety systems.
- Prepare and coordinate electrical specifications & bid documents
- Participate in bid reviews and Q & A with contractors and client/city/county officials.
- Dark Shell Design for Strip Centers for Real Estate Developers.
- Punch lists, Final Walk through and commissioning of projects.
- Timely scheduled construction site visits and billings to clients.
- Weekly / Timely scheduled staff meetings and other disciplines for projects review and time tracking.
- Timely replies to contractors for RFIs.
- Construction Administration.
- PLC & SCADA for Instrumentation & Controls
- NEC & OSHA along with local, city and county ordinances

Professional Experience:

SMITH ENGINEERING CONSULTANTS, Inc. (2017 – Present). West Palm Beach, Florida. **Senior Project Manager.**

USPE Electrical Engineer of Record (July 2011 – May 2016)
DG21/ Centerra Parsons Pacific, LLC, Main B. S. O. Contractor; Island wide U. S. Naval Support Facility, Asia Pacific Command, FPO AP 96595; Diego Garcia Island, B. I. O. T

ITT Water & Wastewater, Apopka, FL (January 2008 - April 2010)
Project Manager & Engineer of Record

HSA Engineers & Scientists, Fort Myers, FL (July 2005 – October 2007)
Project Manger & Engineer of Record

BSW International, Tampa, FL (May 2003 – July 2005)
Project Manager & Engineer of Record,

McKim & Creed, Clearwater, FL (2001 – 2003)
Project Manager & Engineer of Record

Dufresne & Henry, Sarasota, FL (1997 – 2001)
Project Manager & Engineer of Record

IBM Corporation, Boca Raton, FL (1983 – 1997)
Project Manager & Engineer of Record

JUAN S. CALDERON, P.E., PTOE, PTP
Project Manager

Education/Training:
Master of Science in Civil Engineering; Florida International University, Miami 1999
Bachelor of Science in Civil Engineering; University Santo Tomas, Bogota, Colombia, 1997

Years of Experience:
Total 17 years
2011-present - CALTRAN
2006-2011 - FTE
1999-2006 - Other Firms

Registration:
•Professional Engineer in Florida No. 58569, 2002
•Professional Traffic Operations Engineer
No. 1301, 2004
•Professional Transportation Planner No. 20, 2007

Proficiencies:
•Project Management
•Traffic & Safety Engineering
•Planning Engineering
•Traffic, Highway & Transit Data Collection
•Traffic & Transit Analysis
•Roadway Design Platforms
•GIS
•Simulation

Office Location
Miami, FL

Professional Experience

Mr. Calderon has over 18 years of experience in traffic/ transportation engineering with a Master Degree in Civil Engineering. Mr. Calderon has been involved in managing multiple traffic and planning engineering projects with the Florida Department of Transportation (FDOT) by providing direct support in traffic and safety projects for Districts 4 and District 6.

Within FDOT related contracts, he has participated actively in preliminary engineering reports, design projects, planning, development of alternatives, conceptual designs, corridor studies, simulation, GIS, as well as, managing or directing projects that encompassed traffic impact studies, traffic circulation, PD&E, modeling, and traffic forecasting signalization, scoping reports and safety countermeasures. In regards to FDOT D6 planning projects he has participated in tasks involving the EPMP program, freight planning projects, highway and traffic data collection, functional classification/governmental jurisdictions, scoping reports, traffic operation analysis and modeling, and public involvement.

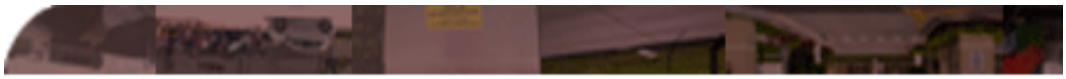
Mr. Calderon is intimately familiar with transportation projects that involve traffic analyses, planning, traffic calming, traffic safety studies, and transit. He is also specialized in traffic and transit data collection, traffic and transit data analysis, mapping using Geographic Information System (GIS) platforms, as well as, roadway design software. Some of Mr. Calderon's clients, for traffic and safety studies including Cities such as Coral Gables, City of Miami, City of Miami Beach, and private developers.

Mr. Calderon is also intimate familiar with the latest Highway Safety Manual (HSM) and the Highway Capacity Manual (HCM). He continuously participates in several trainings and was a reviewer of the HSM of chapter 4 (network screenings

Key Projects

Miami Dade MPO GPC-V09 Complete Streets, (2013- 2014) - CALTRAN was a partner in the development of the latest Miami-Dade Complete Street Manual with responsibilities that included right-of-way widths assessments and level of service calculations for the three corridors identified for existing and future conditions that are were included in the manual as sample projects (SW 27th Avenue between NW 11th Street and US 1; NW 7th Avenue between NW 119th Street and NW 12th Street and Miami Avenue between NW 42nd Street and the Miami River). *Contact: HNTB, Larry Foutz (305) 704-1218.*

FDOT District 6, Transportation Statistics Support No. 3, C9617 (2012-Ongoing) - Responsible for providing engineering services to support the Transportation Statistics Unit of the Planning Environmental Management Office District 6 by performing the following services: PTMS design, traffic data collection (over 2,000 traffic stations and over 1,000 miles of road inventories) in charge of enhanced pavement management program and reporting; *Contact: FDOT Neil Lyn (305) 470-5373.*



FDOT D6, District Wide Freight and Logistics Consultant, C9D04, (2013-Ongoing) - Project Manager responsible for assist FDOT D6 to evaluate freight plans, to develop freight strategies with the objective to incorporate within future or ongoing projects. Review and collect data related to freight project. Perform plans reviews. Perform audits to transit, airport and seaport projects and coordinate with District and private stakeholders as necessary. *Contact: FDOT Dionne Richardson, (305) 470-5292.*

FDOT D4, Districtwide Data Collection-Analysis, (2012-Ongoing) - Traffic Project Manager responsible for providing technical and professional services in collecting and analyzing traffic and highway data for FDOT D4. *Contact: FDOT Kara Schwartz, (954) 777-4364*

FDOT D4, Traffic Operations Safety Study, C9845 (2012-Ongoing) - Project Manager responsible for providing traffic engineering services to the department through traffic operations and safety studies such as: Ramp safety studies, spot speed studies, safe curve speed studies, gap studies amongst others. *Contact: Gannett Fleming, Nelson Castillo, P.E., (305) 823-5662.*

FDOT D6, Traffic Operations Studies, C8W68, (2013-Ongoing) - Project Manager responsible for providing traffic engineering services to the department through traffic operations and safety studies such as: Turning Movement Counts, Intersection Approach counts, Travel time and delay, spot speed studies amongst others along Miami-Dade and Monroe Counties. *Contact: T.Y. Lin-Claudia Diaz, (305) 567-1888.*

FDOT D6, Districtwide Public Transportation Consultant Services, C9769 - Miami Downtown Freight Traffic Data Collection, (2012-2014) - Project Manager responsible for providing traffic engineering services to the department. Recent task includes a task work order to provide traffic data collection services as part of the Miami Downtown Freight Traffic Data Collection within Miami-Dade County. *Contact: BCC Engineering, David Rivera, P.E., (786) 514-1378.*

Beacon Tradeport Community Development (Dolphin Mall) Traffic Circulation Improvement Master Plan, (2012-2013) - Project Manager, retained by the Beacon Tradeport Community Development District (CDD) to develop a Traffic Circulation Improvements Master Plan for the overall CDD. The CDD area encompasses a business/warehousing district, with its main attraction being the Dolphin Mall. In addition, the CDD has initiated a plan to develop an IKEA store by 2015 between the Dolphin Mall and NW 25th Street along NW 117thAvenue in the northwestern portion of the CDD. The purpose of the Master Plan is to improve the quality of access to the Dolphin Mall, as well as its surrounding area and future developments by creating a healthy environment for the business and visitor community for the CDD, the City of Sweetwater and Miami-Dade County. *Contact: District Manager: Luis Hernandez, (954) 721-8681.*

Project Development and Environment (PD&E) Study Services for the US-1 Express Lanes along the South Miami-Dade Bus Way from SW 344th street to SR 826 (Palmetto Expressway) / Dadeland South FMN: 20003.011, RFQ10-05, MDX, (2010-2011) - Project Manager in charge of performing a roadway Study for the potential implementation of managed lanes within the South Miami Dade Busway right-of-way ("the Corridor") to include tolled, congestion priced lanes as a by-pass to the heavily congested US-1 while increasing the level of service of bus transit and possibly generating revenue to expedite other transportation and transit improvements in the Corridor. Activities performed under this contract included: Public Involvement; Data Collection; and Engineering Analysis and Reports. *Contact: Gannett Fleming, Carlos Cejas, P.E.,(786) 845-9540.*

Carlos M. Perez, P.E.
Project Manager

Education/Training:
Bachelor of Science in Civil Engineering,
Florida International University, 1999

Fundamentals 101, 102, and 103 (Distance Learning)
TranStat RCI Intermediate Field Data Collection, FDOT, 2013

Years of Experience:
Total 17 years
2013 - CALTRAN
2003-2013 - BMcD
1999-2003 other firms

Registration:
•Professional Engineer - Florida, No. 63521, 2005
•Professional Engineer - Delaware, No. 13213

Proficiencies:
•Project Management
•Data Management
•ArcView
•ArcGIS
•RCI and HPMS
•Transportation Engineer
•Lighting Design
•Signalization Design

Organizations:
American Society of Civil Engineers

Office Location
Miami, FL

Professional Experience

Mr. Perez is a civil engineer, with more than seventeen years of experience in transportation statistics and planning for the Florida Department of Transportation (FDOT). He has provided Geographic Information Systems, Pavement Management System Analysis, Traffic Monitoring Site selection and design, Roadway Characteristics Inventory, Highway Performance Monitoring System, and Railroad Highway Crossing Inventory and Inspection consulting services to the FDOT in various districts. He is skilled in the use of MicroStation, ArcGIS, Aladdin, HCM software, MS Access, and other MS software. Mr. Perez has also been involved in final design of roadway lighting and signalization plans for the Department RRR and reconstruction projects. He is currently a member of the FDOT Technical Task Force Committee for the State Transportation Statistics Office. He is currently also working in two GIS projects at the Florida Department of Transportation.

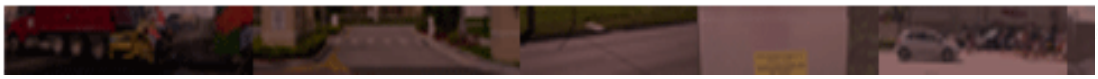
Key Projects

FDOT D6, Transportation Statistics Support No. 3, C9617, (2013-Ongoing) - Prime consultant responsible for providing engineering support at the Intermodal Systems Development Office in District 6 and amongst other tasks includes; PTMS design through work program projects; Roadway Characteristic Inventory data collection and review; enhanced pavement deficiency evaluation and reporting. *Contact: Neil Lyn, (305) 470-5373.*

FDOT D6, District Wide Freight and Logistics Consultant, C9D04, (2013-Ongoing) - Project Engineer responsible for assist FDOT D6 to evaluate freight plans, to develop freight strategies with the objective to incorporate within future or ongoing projects. Review and collect data related to freight project. Perform plans reviews. Perform audits to transit, airport and seaport projects and coordinate with District and private stakeholders as necessary. *Contact: FDOT Dionne Richardson, (305) 470-5292.*

FDOT D4 & D6, Districtwide Data Collection, (2005-2013) - Project Manager and Project Engineer. Responsible for the supervision of the traffic and roadway data collection and analysis for the Statistics Unit in the Planning Office. Project's assignments includes 24, 48, & 72 hr traffic counts, researching and recording data into the Roadway Characteristics Inventory (RCI) and Highway Performance Monitoring System (HPMS) databases, Straight Line Diagrams (SLD), traffic counts, jurisdictional transfers, and GIS services. He also provided in house engineering support services for four years in FDOT District Six, Miami, Florida. *Contact: Newton Wilson/ Neil Lyn, (305) 470-5373.*

FDOT D6, Transportation Systems GIS Data Development & Mapping, (2006-2013) - Project Manager for on-going GIS and Mapping functions for the District Intermodal Systems Planning Office. Project assignments involved database re-structuring and organization of the Districts archives, GIS and web application development and other miscellaneous map development functions. Assignments also included districtwide roadway and traffic data collection and analysis. *Contact: Neil Lyn, (305) 470-5373.*



FDOT D4, Districtwide Planning & Environmental GIS General Consultant, (2007-2013) - Project Manager for this project aimed to provide GIS services to supplement the FDOT's District Four PL&EM Staff. Support areas include but are not limited to: organization and maintenance of GIS data library, geographical information systems (GIS) on-site application support, development of office specific GIS applications, website programming, training, and miscellaneous general services to support planned and ongoing production efforts as directed by the FDOT. The GIS consultant shall function as an extension of FDOT's resources. *Contact: Jason Learned, (954) 777-4664.*

FDOT D6, Districtwide Public Transportation Consultant, (2003-2008) - Project Engineer for this Districtwide Public Transportation Consultant contract. Provided general consulting services in support of multi-modal planning in the District in five areas: aviation, transit, intermodal, ports, and rail. Responsibilities under this contract included: airport/heliport inspections, Vehicle inventories and workshops for FTA 5310 & 5311 Programs, project management site visits to Miami International Airport South Terminal Program, plans reviews, rail data collection, commuter assistance sign placement design, among others. Mr. Perez assisted in the vehicle inventories assignments. *Contact: Paola Baez, (305) 470-5333 (no longer at FDOT).*

FDOT D6, Short Range Project Development Consultant, (2006-2010) - Project Engineer for pavement management enhancement projects within Miami Dade and Monroe counties in which recommended improvements and preliminary cost estimates need to be prepared. He is also managing highway and traffic data collection assignments under this project. Under this project, a scoping report is produced to assess existing conditions on the project based on requirements from Chapter 25 of the Plans Preparations Manual "Florida's Design Criteria for Resurfacing, Restoration and Rehabilitation (RRR) of Streets and Highways. The assessment includes physical and operational conditions, and a safety assessment; as well as ADA Compliance. *Contact: Neil Lyn, (305) 470-5373.*

FDOT D1, Districtwide Data Collection, (2000-2002) - Project Engineer responsible for traffic and roadway data collection. Project's assignments includes: 24, 48, & 72 hr traffic counts, researching and recording data into the Roadway Characteristics Inventory (RCI) and Highway Performance Monitoring System (HPMS) databases, as well as preparation of GIS enhanced Straight Line Diagrams (SLD) where all roadway data is graphically represented. These databases were developed by the FDOT to collect and store roadway characteristics. He is currently providing engineering support services in the Districts Six Planning Office. *Contact: Ron Gruver, (863) 519-2583*

FDOT D7, Districtwide Data Collection, (2000-2002) - Project Engineer responsible for traffic and roadway data collection. Project's assignments includes: 24, 48, & 72 hr traffic counts, researching and recording data into the Roadway Characteristics Inventory (RCI) and Highway Performance Monitoring System (HPMS) databases, as well as preparation of GIS enhanced Straight Line Diagrams (SLD) where all roadway data is graphically represented. These databases were developed by the FDOT to collect and store roadway characteristics. He is currently providing engineering support services in the Districts Six Planning Office. *Contact: Judy Lenczyk, (850) 414-4704.*

B. APPROACH TO PROJECT MANAGEMENT

FAMILIARITY WITH THE City

The CGA Team for this project has performed projects for both the City and the City of Delray Beach CRA for the last 8 years and have worked on nearly a dozen projects within the City boundary. During that time CGA's staff have established close relationships with the staff at the City and City of Delray Beach CRA. CGA has a professional, dedicated team of professionals that are able to complete Service Authorizations within the design and permitting deadlines that the City will require.

INVOLVEMENT OF City STAFF

Good coordination with City Staff on projects of the type that will be performed with this contract will be very important. The CGA project manager will be available to the City Staff at all times in order to ensure the best possible support to the City. Regular communication outside of the pre-planned meetings will result in the City's requirements best being met.

APPROACH TO AN ENGINEERING DESIGN & PERMITTING PROJECT

Below is an outline of the approach typically followed by CGA on design development and construction related projects. Variations will occur depending on the requirements of a particular service authorization.

Project Commencement / Kick-off Meeting: All projects will begin with a Project Scoping Meeting, during which the CGA Project manager will meet with City staff. The City staff shall impart the desires and requirements of the City to CGA. CGA will then prepare a Service Authorization for the desired task and submit it to the City's Project Manager. After the Service Authorization has been approved and executed by the City commission, there will be a Project Kick Off Meeting with the City Staff and the appropriate members of the CGA team and the project will commence.

Fieldwork: CGA will performing a site field review at the beginning of the project to determine the survey, existing tree identification and evaluation, environmental testing, and geotechnical investigations required. CGA will utilize our Leica Scan Station 3D Laser Scanner to provide extremely high quality field survey in a very short timeline

Utility Coordination: CGA will coordinate with the various utility companies to determine the location of existing and future planned utilities. This data will be included on any right-of-way and design survey and will be used throughout the design, review and project management process. After the initial coordination, a meeting will be held with the relevant utility providers to determine where subsurface utility investigation (soft digs) will be required, which will be done to ensure minimum impacts will result from existing utilities during construction.

Public Outreach: It is essential to engage and include public outreach input early in the process to obtain buy-in from those individuals most impacted by the project. Schematics allow for critique of the plan to meet the needs and requests made by stakeholders. For the Osceola Neighborhood FY 2016 project, **CGA assisted the City with presentations to two Osceola Neighborhood Association meetings which were held at the ESD Training Room**. Schematic displays were prepared to assist the stakeholders in determining the effect of a proposed project on their property. CGA has conducted **numerous such meetings** to secure stakeholder input for our other roadway projects. We have employed successful strategies for not only getting the input but getting contextual information – where the comment is located on the ground. For the typical project, public outreach will likely take place at a Neighborhood Association Meeting or at a specific purpose meeting properly announced and coordinated with the CRA at the ESD Training Room with CGA and the City staff assigned to the project. This meeting will provide the desires of the public which will shape the project requirement**s.**

Preparation of Preliminary Deliverables: After the Public Outreach, CGA will prepare preliminary plans and technical memorandum for the project. These documents may include the following items as needed: environmental analysis, preliminary site plans, preliminary planting plans, preliminary building plans, preliminary roadway and drainage design plans, preliminary drainage analysis, recommended typical cross section(s) for proposed roadway improvements, layout of traffic calming improvements, traffic signal plans and preliminary structural analysis and plans. These documents will constitute the 30% Plans and will be submitted to City for review, comment and approval.

Osceola Neighborhood Project Public Meeting Presentation Graphic

Preparation of Plans/Deliverables: CGA will meet with City representatives and receive comments on the 30% Plans. Following the meeting, our team will prepare a written response to the design comments, make appropriate changes and continue to the 60% and 90% completion level. The 60% and 90% Plans will then be submitted to City for review, comment and approval. After each submittal, a review meeting will be held with City Staff to go over their comments so that they may be addressed efficiently.

Permitting: After the 60% plans have been reviewed and approved by the City, permit applications will be made to the appropriate agencies. Many projects will require an Environmental Resource Permit from the South Florida Water Management District (SFWMD). CGA also has extensive experience securing ERPs from SFWMD and has good working relationships with several of the reviewers that will be assigned projects located in the City. Projects involving water or sewer mains will require permits from the Palm Beach County Health Department.

Preparation of Final Plans/Deliverables: CGA will meet with representatives of City to receive their comments on the 90% plans submittal. Following the meeting, CGA will prepare a written response to comments, make appropriate revisions and complete the preparation of the deliverables as defined by each service authorization: contract documents, technical specifications, bidding documents, final construction plans in accordance with City standards. These plans, specifications and bid documents can be used for

the solicitation of competitive bids for the construction.

Bidding / Award / Notice to Proceed: The CGA Team will assist the City with the advertisement, pre-bid meeting, responses to bidders' questions, preparation and issuance of addenda, evaluation of bids and preparation of a recommendation of award for the construction contract.

Construction Phase Services: CGA will provide, if required by the City, construction phase services including:

- Preconstruction Meeting Attendance
- Review of Shop Drawings
- Bimonthly Construction Coordination Meetings
- Review of Pay Applications
- Resident Project Representative
- Project Closeout Services

APPROACH TO A SURVEY PROJECT

All projects will begin with a Project Scoping Meeting, during which the CGA Project manager will meet with City staff. The City staff shall impart the desires and requirements of the City to CGA. CGA will then prepare a Service Authorization for the desired task and submit it to the City's Project Manager. After the Service Authorization has been approved and executed by the City commission, there will be a Project Kick Off Meeting with the City Staff and the appropriate members of the CGA team and the project will commence.

For example, when completing a Topographic Design Survey, the Survey Department team will meet with the City's project manager to define the scope of service. This is the stage that the groundwork is laid for a successful survey that will allow our team to determine the complete scope of work, required schedule, budget and final deliverables at the onset of the project.

Our Survey Team will complete the necessary due diligence of the information from the Initial City Request stage and Project Manager meeting. This includes a search of the public records including the Palm Beach County Property Appraiser's office; Clerk of the Court; Palm Beach County Section Maps, City of Delray information and NGS websites together with other survey data bases.

This upfront research assists in identifying property or project boundaries, easements and/or other encumbrances that may exist on specific parcels. From this research, a survey field map will be generated identifying survey traverse control points together with any found property and/or right-of-way monuments within the area. Utilizing historical maps together with current surveys, CGA will upload land corners search ties which are referenced to the Florida state plane coordinate system directly into our GPS data collectors. This process allows field crews to navigate directly to a possible corner location within centimeter accuracy. Utilizing this process enables us to perform the same type of location for buried valves, manholes or other type of as-built infrastructure referenced to the Florida state plane coordinate system.

Project Schedule & Budget – Most survey projects have a total project length from Notice-to-Proceed to final survey deliverable of less than 3-4 weeks depending on the scope of the project. Upon receiving the initial survey/mapping request and due diligence is completed, CGA will immediately prepare a man-hour estimate and crew schedule to complete the survey tasks within the critical path timeframe.

Any survey projects of size and complexity that require a more substantial timeframe to complete (3-4 month survey project), a Gantt chart bar schedule will be provided, noting all required milestones, field activities, final deliverables, and a proposed budget. CGA will coordinate this schedule with the City to obtain feedback on both the schedule and proposed budget.

Team Communication – The Project Team will hold weekly or more frequently if needed, meetings to discuss project status, updates, issues and resolutions to issues. CGA will maintain constant communication with the City or Project Manager to provide status updates as the project progresses.

Final Deliverables – Prior to issuance of any final deliverables to the City, the survey information and data backup will be routed through the CGA QA/QC process to ensure the City is provided with a fully accurate survey document, that is in compliance with all City, County and State Land Surveying requirements.

APPROACH TO A LANDSCAPE ARCHITECTURE DESIGN PROJECT

Inventory – throughout the inventory phase, all pertinent information affecting the design and impact of a project are assembled and graphically represented, if required by the client.

Analysis – Once all the information has been assembled through the inventory phase, design staff conducts analyses to interpret the data – principally to identify and foresee any potential conflicts and constraints, as well as to shed light on additional opportunities available that will further the success of the project, be it via design or through the logistical process of documentation, permitting or construction.

Design Schematics – Conceptual design schematics are presented that describe the overall concept of and vision for the project, program distribution and potential detail and material finishes that will contribute to the finish character.

Stakeholder Input - It is essential to engage and include stakeholder input early on in the design process to obtain buy-in from those individuals most impacted by the project. Design schematics allow for modulation of the design to meet the needs and requests made by stakeholders, as well as it presents a stage of the process that conveys commitment and process from the investor.

Design Development – Once stakeholder input has been obtained and compromises have been made, if necessary, the design then enters into a development phase wherein our design team narrows in on the details and specificities of the project, pending a final design approval by the Client.

Coordination - Our team's Project Manager will maintain a strong and efficient communication link between the City's Project Manager and/or designee, as directed.

Design, Review and Deliverables - CGA will deliver a cohesive design implementation solution for the improvements, paying close attention to risk assessments and necessary milestones to achieve and guarantee the successful implementation of the project's design and goals.

The Design Team and City Staff will work closely together to steer the project in the desired direction, with periodic design reviews and pre-processing and permitting services.

Construction Documentation – Once an approval for the design has been obtained, CGA employs its experienced and skilled technical staff in the preparation of the contract and construction documentation necessary to take the project into fruition.

Project Administration – CGA's municipal staff can administer the distribution of bid documents and packages to bidding parties, maintaining and documenting processes in accordance to regulatory standards that dictate appropriate procedure. CGA dedicates staff from our Construction Administration Department to ensure that the bids retained by the City are adequately priced and detailed, and after careful analysis a report is normally prepared wherein a ranked recommendation is made to the City for final selection.

Construction Management and Administration – At the discretion of the City, CGA has certified and registered staff that may remain on-site on a regular or as-needed basis to guide and administer all construction processes in representation of the City. This service provides the ease of mind that conflicts will be quickly resolved, surprises will be minimized and final budgeted costs will be held to through to completion.

Meetings and Visits - CGA can coordinate and document the following through the overall team:

- Pre-Construction meeting
- Value Engineering meetings
- Attendance of resident information meetings
- Weekly construction meetings
- Contract specific meetings
- Specialty A/E Consultant site visits
- Equipment start-ups
-

Field Inspections - The lead inspector or assistant inspector can document the following on a daily basis:

- Weather Conditions
- Contractors work force and description of work
- Subcontractors on site and work force
- All equipment onsite and utilized
- Visitors to project site
- Tests and results
- Construction difficulties and measures taken
- Significant delays and why
- Disputes between City, Resident, or Contractor
- Any field directives issued
- Record of materials
- Summary of field meetings
- Any non-conforming work
- Log of photos taken
- MOT Inspections
- Request for services during tie-ins

Contractual Items - The Project Team can work together to first, field-verify items and then present the following items to the City:

- Adherence to Contract Documents
- Review and Prepare Pay Requests
- Certification of Materials
- Issuance of Non-Compliance Notices
- Damage to existing or new facilities
- Change Order Responses
- Requests for Information
- Project Schedule
- Documentation of Vendor or Subcontractor Liens
- Equipment tests and startups
- Project safety
- Quality control

Close-outs and Final Inspections – Finally, CGA Staff can send a team of multi-disciplinary professionals to inspect and ensure that all final components have been construction in accordance to the vision and intent of the plans as presented to the City. Our Project Team can ensure contractual requirements as specified by the Contract Plans and the City through:

- Substantial Completion documentation
- Warranty Periods
- Release of Liens
- Bond and Surety Acceptance
- Punch List items, follow ups and walk-through
- Operation and Maintenance Manuals
- Preparation of final pay request

Continual Inspections – At the request of the City, CGA can provide continual, annual re-inspection services to ensure the longevity of the design and to maintain the envisioned quality and character. Additionally, re-inspection services allow CGA Staff to monitor the utilization of the spaces in order to continually assert that its social value is maintained. This is critical in promoting long-term buy-in from end users.

APPROACH TO CIVIL ENGINEERING SITE PLAN REVIEW PROJECT

Below is an outline of the approach typically followed by CGA on City of Delray Beach Site Plan Review projects. Variations will occur depending on the requirements of a particular application.

A site plan review project will begin at the Technical Advisory Committee (TAC) Meeting which are typically held at 2:00 PM on Fridays at City Hall with the City's Planning Staff. Projects are distributed for review by the Planners during the meeting with an initial discussion about the project and what Class of Site Plan Application is being reviewed. The City has 5 classes of Site Plan Review. Classes I -IV are for modifications to existing developed property in increasing amounts of changes to the existing development and Class V is for the development of unimproved land.

For a Class V review, the Applicant will need to supply Preliminary Engineering Plans, a Survey, Traffic Study, Preliminary Drainage Calculations, Preliminary Sewer Demand Calculations, and potentially a Plat. These items will be distributed by the assigned Planner. The TAC comments will be due in two weeks from that date.

CGA will then review the Survey, Plat, Engineering Plans, Engineering Calculations, and Traffic Report in accordance with the City's Land Development Regulations (LDRs). The City has many requirements for a new site plan including providing topographic

survey data for 10' outside the project limits to ascertain the impact of the proposed development on the historic drainage of the adjacent properties to list one example. After the initial review is completed and the comments are sent to the assigned Planner, the comments will be reviewed at staff level at the TAC Meeting prior to distribution to the applicant. The applicant may then request 10 minutes at the next TAC Meeting to discuss the comments or may request a longer meeting with the Planner and the Technical Staff who reviewed the application. After these meetings, the applicant will resubmit their development package and the process will repeat until all comments are addressed and the project is approved by the Site Plan Review and Appearance Board (SPRAB) and the Site Plan is Certified. The project will then proceed to the Building Permit process.

City of Delray Beach

Department of Environmental Services

TAC COMMENTS

TO: Amy Alvarez, Senior Planner via email

FROM: Patrick A. Figurella, PE, Calvin, Giordano & Associates, Inc.

ISSUE DATE: April 27, 2017

PROJECT: Delray Square II Chilis

The subject plans have been reviewed for technical compliance with the City of Delray Beach Land Development Regulations and the Minimum Construction Standards and Specifications Details version 2016. All Preliminary Engineering Technical Comments must be addressed in order to obtain Engineering clearance for Site Plan Certification. Receipt of Site Plan Certification does not imply that the applicant has submitted a complete set of Construction Drawings. All Final Engineering Comments must be addressed in order to obtain Engineering clearance for a permit from the Building Permit Department. Once Site Plan Certification has been obtained, any remaining Final Engineering Comments will be reviewed as part of the Building Permit review process.

Preliminary Engineering Technical Comments:

1. Provide a response letter with a detailed description of how each of these comments has been addressed and reference plans sheet number for accurate review.

Survey Comments per David Rokal, PSM

2. Per LDR Section 2.4.3 (A)(5) – Surveys shall show all improvements on the property and must be certified as reflecting conditions on the site as they existed within six (6) months prior to the filing of the application. Submitted survey indicates field work completed on July 22, 2015.

3. Per LDR Section 2.4.3 (B)(5) – Surveys and plans shall comply with the following requirement: "The center line of the right-of-way of any adjacent street with the basis of the center line clearly stated, the center line of the existing pavement, the width of the street pavement, the location and width of any adjacent sidewalk, and the identification of any improvements located between the property and any adjacent street." Label the centerline of South Military Trail.

4. Per LDR Section 2.4.3 (B)(6) – Surveys and plans shall comply with the following requirement: "The approximate location of intersecting lot lines of adjacent parcels and the approximate location of the nearest structures and/or significant improvements on those parcels."

5. Per LDR Section 2.4.3 (B)(7) – Surveys and plans shall comply with the following requirement: "The location of the nearest driveway or point of access of adjacent properties (including property across a street) which shares a common street with the subject property. If there are no driveways within 50', then they do not need to be shown, however, a note to this situation shall be provided."

6. Surveyor's Certificate #1 – The "Standards of Practice" are set forth in Chapter 5J-17

CGA's Review of Delray Square II Chilis application.

APPROACH TO A MECHANICAL / ELECTRICAL / PLUMBING PROJECT

JLRD's history of successful projects over the past twenty-six (26) years is due in part, to their design process approach. This is particularly important for renovation, alteration, and addition type projects, where Mechanical and Electrical systems and services must be expanded and the work phased to allow for continued Owner use of the facility.

The key for any successful project is to understand the scope of work which needs to be performed in order to meet the client's objectives. On larger projects, usually there is a formal Owner's program providing a general description of the work to be performed; on smaller projects, frequently there is not. Our initial step at the kick-off meeting is to gain further insight into the technical aspects of the project, as well as the Owners needs and expectations. In addition to the stated objectives and criteria, we oftentimes identify related issues during this initial meeting which merit consideration in formulating an optimal solution to the task at hand.

For projects involving additions and renovations, the next step is to review existing documentation and perform a field visit to verify the existing conditions. Existing documentation may not accurately reflect the initial installation or modifications over the years; confirming the existing conditions further helps identify mechanical and electrical system capabilities, physical constraints, phasing issues and helps control the cost of changes during construction.

Upon documentation of the existing conditions and understanding the scope of the work, JLRD works in conjunction with the client to develop design concepts for the mechanical and electrical systems that best meet the client's needs and project objectives. Usually there are alternative approaches that can be used, all of which have different pros and cons as relates to space requirements, comfort levels, aesthetic appeal, energy efficiency, sustainability, phasing, and costs. At this stage in the process JLRD will collaborate with the City to identify the best solution for their project.

As the design matures, JLRD continues dialog with the City and work out the coordination details needed to successfully implement the design concept. During this phase of the design, JLRD will provide in-house staff reviews of design and constructability by their supervisor, as well as fellow engineers for quality control of our documents.

Once the design effort is complete, JLRD provides construction related services to ensure the design requirements are realized.This includes reviewing equipment submittals for compliance with the contract documents, being responsive to contractor requests for information/clarification, and being present on-site to observe installed work, as well as resolve construction related issues. This approach has proven its success

This approach has proven its success over the past twenty-six (26) years as evidenced by the large number of repeat clients which choose JLRD as their **M/E/P Continuing Service Engineers.**

APPROACH TO A STRUCTURAL ENGINEERING PROJECT

Alan Gerwig & Associates, Inc.'s (AGA) experience in servicing governmental clients under continuing service contracts has led to development of a methodology to successfully tackle multiple tasks and manage the assignments in a way that guarantees each will completed to the expectations of the client. Their staff is very adept at managing and performing simultaneous task orders and a sophisticated project management plan is developed for each task.

For specific design projects, project plans are built around our knowledge of the scope of the task, coordination with the CGA's PM and the needs and expectations of the client, schedule and budget constraints and a close working relationship with all the prime and sub-consultants involved with the task.

The scope will be developed and reviewed and edited by the appropriate team members for a scope and fee proposal addressing the scope and schedule requirements. The AGA project manager will report to and coordinate with the CGA PM and make sure project schedules and scope requirements for the civil and/or structural design tasks are being met. This process is crucial to making sure each project is performed in a timely manner within the allotted schedule and with the prescribed budget.

Each task will be approached methodically by collecting all pertinent and available data for the structural task. This will include reviewing any existing drawings for the project that involve existing structures, making site visits and taking field measurements and photographing the components as necessary. With all the project requirement and existing data in hand the structural design solution will be developed into construction documents and specifications with progress submittals and review comments addressed throughout the project phase submittal process. Quality Control/ Quality Assurance procedures will be deployed at each step utilizing structural engineers on staff that are not involved with the design process.

The project deliverables will be coordinated with the teams lead project manager being sure to meet the production schedule deadlines and submittal dates.

APPROACH TO A TRANSPORTATION ENGINEERING PROJECT

A typical task work order request related to a traffic study request that was generated by The City staff or a resident would be handled in the following manner:

- Schedule a meeting with the Principal Transportation Professional and/or the Bicycle and Pedestrian Coordinator at The City and other relevant staff to discuss the issue or request in specific detail in order to establish the methodology for the completion of the transportation engineering services. The methodology would include the identification of the key issues, the details of the data collection required and the establishment of the analysis periods and study area;
- Collect the necessary traffic data either by using our traffic data collection subconsultant CALTRAN Engineering Group or request from the Palm Beach County Engineering and Public Works Traffic Engineering Division. For example, if there is a request for the installation of a midblock crosswalk, then there would be a need to collect 24-hour speed and volume data along the defined roadway corridor at the location for the midblock crosswalk. In addition, there would be a need to perform field observations and collect pedestrian volume crossing data for the existing crossings at this location;
- Perform research on the existing accidents observed within the study area in the defined analysis period (typically the last 3-5 years) from the City/County/State Police Departments. This would be checked through the network screening of the area using Signal 4 Analytics program, a database managed by the University of Florida;
- If there is a traffic analysis required for an intersection traffic operations issue, Highway CapaCity Manual software will be utilized to evaluate the existing traffic operations. The traffic analyses will be used to determine level of service

operational deficiencies at the intersection can be defined for example determining the length of queues for the intersection movements. This would be compared to the actual length of the intersection turn lanes built in the field. Signal timing changes will be discussed with the Palm Beach County Engineering and Public Works Traffic Engineering Division staff as necessary to mitigate any potential queue spillback at the intersection;

- Perform a report that summarizes the traffic data, field observations and the pertinent traffic analysis; and
- A final summary meeting will be held with The City staff and the necessary representatives from the other impacted government agency stakeholders with jurisdiction of the roadway facility.

APPROACH TO AN ENVIRONMENTAL PROJECT

A service request from the City for a one time, one purpose report, or the request to obtain an environmental Phase I report from our team partner varies greatly from a service request to bid out and administer long term contracts for lake and/or mitigation maintenance, or obtain environmental resources from State and Federal agencies. Environmental services vary and do not necessarily fall into a 'one size fits all' approach; however, the following general procedural steps and practices will apply:

Upon being awarded a specific project by the City, the CGA Project Manager (PM) will meet with the City to determine the specific requirements of the project, timeline, staffing needs, coordinating partners, chain of contact, deliverables, project budget and what supporting elements, if any, the City may be providing. The CGA PM will then prepare an understanding of scope, preliminary project timeline and budget to be confirmed by the City. Any adjustments due to circumstances such as changing conditions or change of the original scope occurring throughout the duration of the project will be reviewed with the City and adjusted as necessary upon City approval.

Upon concurrence of the scope, the timeline, and fees with the City, the CGA PM will meet with the full project team to introduce the scope, the budget, the deliverables, the timeline, and each team member and/or partner's role and responsibilities in the project. The CGA PM will define the various elements of the project and describe the quality control/quality assurance requirements at this meeting. The CGA PM will determine appropriate sequencing of work and determine availability of each team participant and project partners. Project challenges and conflicts will be discussed and identified at this meeting. A progress schedule will be established.

Ongoing, the CGA PM will continually review the progress of the project to assure meeting the project timeline and budget as approved by the City. The CGA PM will maintain close communication with each team member and any coordinating partner on the team, and will periodically update the City PM of the project progress. As scheduled, or requested by the City, the CGA PM will coordinate progress meetings. The CGA PM will provide deliverables to the City.

In the scenario that the City designates an external contracted firm as a PM for a specific project that requires a needed environmental component, we will adjust our coordination directly with the City designated Project PM in fulfilling our assigned scope and deliverables. Environmental work frequently involves multi-discipline and firm efforts. We are accustomed to working on project teams of multiple firms and disciplines.

Management of a long term contracted services such as vegetation maintenance or lake maintenance will require daily communication with the maintenance service provider(s). Where applicable we will also work closely with the City and ensure timely and complete data input to the City if the format requested by the City.

Effective supervision and project management requires inclusive ongoing communication throughout the entirety of the project. It is the critical tool in tracking budget, scheduling and quality of deliverables; and also to immediately identifying and find solutions to unexpected conflicts or issues that may arise.

Progress meetings are an effective communication tool throughout the implementation of a project. Depending on a project's size, schedule, and/or complexity, project meetings can be held with the project team at regular intervals. An agenda outlining specifically what needs to be accomplished at a progress meeting is essential, as well as the distribution of a list of assigned follow-up tasks. Generally, typical progress meeting topics include, the project schedule, budget, work quality, or, if applicable, any corrective actions. The CGA PM will be responsible for organizing all progress meetings and establishing the agenda and follow-up documents.

Face to face kick-off meetings provide an opportunity to meet all team members; however, throughout the duration of the project, Go-to-Meeting web-based meetings, or conference calls provide effective venues that many times are easier to schedule and easier for the team members to attend. These types of communication venues need to be included to ensure meetings are held in a timely manner and with maximum attendance. Utilization of FTP sites or 'Drop Boxes' should also be incorporated into the project management procedures to ensure complete and current files and documents are available to all team members.

The CGA PM will be available to the City when requested to address any aspect of the project. The CGA PM will not change or alter any project scope without full coordination with and approval by the City.

APPROACH TO A WATER RESOURCES ENGINEERING PROJECT

Project Commencement / Kick-off Meeting: All projects will begin with a Project Scoping Meeting, during which the CGA Project manager will meet with City staff. The City staff shall impart the desires and requirements of the City to CGA. CGA will then prepare a Service Authorization for the desired task and submit it to the City's Project Manager. After the Service Authorization has been approved and executed by the City commission, there will be a Project Kick Off Meeting with the City Staff and the appropriate members of the CGA team and the project will commence.

Fieldwork: CGA will perform a site field review at the beginning of the project to determine the survey, existing tree identification and evaluation, environmental testing, and geotechnical investigations required such as Double Ring Infiltrometer (DRIT) test for permeable pavements or detention/retention basins or the Usual Open Hole Test for exfiltration trenches. CGA will utilize our Leica Scan Station 3D Laser Scanner to provide extremely high quality field survey in a very short timeline. The Scanner is frequently used on our utility plant work as it is unexcelled as survey collection device for above-ground improvements like piping networks.

Utility Coordination: CGA will coordinate with the various utility companies to determine the location of existing and future planned utilities. This data will be included on any right-of-way and design survey and will be used throughout the design, review and project management process. After the initial coordination, a meeting will be held with the relevant utility providers to determine where subsurface utility investigation (soft digs) will be required, which will be done to ensure minimum impacts will result from existing utilities during construction.

Public Outreach: It is essential to engage and include public outreach input early on in the process to obtain buy-in from those individuals most impacted by the project. Schematics allow for critique of the plan to meet the needs and requests made by stakeholders. A stormwater project may have wet detention ponds or dry detention areas, and the location of these ponds or areas can be of vital importance in the acceptance of a project by the public. CGA has cited numerous ponds for our clients including the Midway Road Pond Siting Report prepared for St. Lucie County as a part of the Midway Road PD & E Study. This report looked at many potential pond sites and the cost and public impacts to the public. CGA presented this report and the whole PD & E study at neighborhood workshops, Stakeholder workshops, and noticed public meetings. CGA has conducted numerous such meetings to secure stakeholder input for our other projects. We have employed successful strategies for not only getting the input but getting contextual information – where the comment is located on the ground. For the typical project, public outreach

likely take place at a Neighborhood Association Meeting or at a specific purpose meeting properly announced and coordinated with the CRA at the ESD Training Room with CGA and the City staff assigned to the project. This meeting will provide the desires of the public which will shape the project requirements.

Preparation of Preliminary Deliverables: After the Public Outreach, CGA will prepare preliminary plans and technical memorandum for the project. These documents may include the following items as needed: environmental analysis, preliminary site plans, preliminary planting plans, preliminary building plans, preliminary roadway and drainage design plans, preliminary drainage analysis, preliminary pond siting report, recommended typical cross section(s) for proposed improvements, and plans. These documents will constitute the 30% Plans and will be submitted to City for review, comment and approval.

Preparation of Plans/Deliverables: CGA will meet with City representatives and receive comments on the 30% Plans. Following the meeting, our team will prepare a written response to the design comments, make appropriate changes and continue to the 60% and 90% completion level. The 60% and 90% Plans will then be submitted to City for review, comment and approval. After each submittal, a review meeting will be held with City Staff to go over their comments so that they may be addressed efficiently.

Permitting: After the 60% plans have been reviewed and approved by the City, permit applications will be made the appropriate agencies. A stormwater project will require an Environmental Resource Permit from SFWMD and depending on the part of the City it's located in, a Lake Worth Drainage District (LWDD) permit. CGA also has extensive experience securing ERPs from SFWMD and has good working relationships with several of the reviewers that will be assigned projects located in the City. Projects involving water or sewer plant work or distribution/collection mains will require permits from the Palm Beach County Health Department.

Preparation of Final Plans/Deliverables: CGA will meet with representatives of City to receive their comments on the 90% plans submittal. Following the meeting, CGA will prepare a written response to comments, make appropriate revisions and complete the preparation of the deliverables as defined by each service authorization: contract documents, technical specifications, bidding documents, final construction plans in accordance with City standards. These plans, specifications and bid documents can be used for the solicitation of competitive bids for the construction.

Bidding / Award / Notice to Proceed: The CGA Team will assist the City with the advertisement, pre-bid meeting, responses to bidders' questions, preparation and issuance of addenda, evaluation of bids and preparation of a recommendation of award for the construction contract.

Construction Phase Services: CGA will provide, if required by the City, construction phase services including:

- Preconstruction Meeting Attendance
- Review of Shop Drawings
- Bi-monthly Construction Coordination Meetings
- Review of Pay Applications
- Resident Project Representative
- Project Closeout Services

APPROACH TO A COASTAL ENGINEERING PROJECT

Project Commencement / Kick-off Meeting: All projects will begin with a Project Scoping Meeting, during which the CGA Project manager will meet with City staff. The City staff shall impart the desires and requirements of the City to CGA. CGA will then prepare a Service Authorization for the desired task and submit it to the City's Project Manager. After the Service Authorization has been approved and executed by the City commission, there will be a Project Kick Off Meeting with the City Staff and the appropriate members of the CGA team and the project will commence.

Fieldwork: CGA will performing a site field review at the beginning of the project to determine the survey, existing tree identification and evaluation, environmental testing, and geotechnical investigations required such as soil borings to evaluate the soil stability for a new seawall or to find the presence of void spaces behind an

an existing wall. CGA will perform field survey of the project area. utilize our Leica Scan Station 3D Laser Scanner, whichCGA will perform field survey of the project area. utilize our Leica Scan Station 3D Laser Scanner, which is a useful tool for finding a bulge in a structure like the exposed face of a seawall if there is a shelving beach upon which to site it.

Utility Coordination: CGA will coordinate with the various utility companies to determine the location of existing and future planned utilities. This data will be included on any right-of-way and design survey and will be used throughout the design, review and project management process. After the initial coordination, a meeting will be held with the relevant utility providers to determine where subsurface utility investigation (soft digs) will be required, which will be done to ensure minimum impacts will result from existing utilities during construction. Around Intracoastal Waterway seawalls there can be conduits passing from the mainland to the barrier islands and careful coordination will be required working in the vicinity of said conduits. CGA has experience in replacing seawalls that have FPL transmission and distribution mains passing through, under or around (clamped to) them.

Public Outreach: It is essential to engage and include public outreach input early on in the process to obtain buy-in from those individuals most impacted by the project. Schematics allow for critique of the plan to meet the needs and requests made by stakeholders. A Coastal project like a seawall repair or beach re-nourishment or beach walkway has a large public footprint. CGA has conducted numerous such meetings to secure stakeholder input for our other projects. We have employed successful strategies for not only getting the input but getting contextual information – where the comment is located on the ground. For the typical project, public outreach will likely take place at a Neighborhood Association Meeting or at a specific purpose meeting properly announced and coordinated with the CRA at the ESD Training Room with CGA and the City staff assigned to the project. This meeting will provide the desires of the public which will shape the project requirements.

Preparation of Preliminary Deliverables: After the Public Outreach, CGA will prepare preliminary plans and technical memorandum for the project. These documents may include the following items as needed: environmental analysis, preliminary site plans, preliminary planting plans, preliminary building plans, preliminary roadway and drainage design plans, preliminary drainage analysis, preliminary pond siting report, recommended typical cross section(s) for proposed improvements, and plans. These documents will constitute the 30% Plans and will be submitted to City for review, comment and approval.

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Bidding / Award / Notice to Proceed: The CGA Team will assist the City with the advertisement, pre-bid meeting, responses to bidders' questions, preparation and issuance of addenda, evaluation of bids and preparation of a recommendation of award for the construction contract.

Construction Phase Services: CGA will provide, if required by the City, construction phase services including:

- Preconstruction Meeting Attendance
- Review of Shop Drawings
- Bimonthly Construction Coordination Meetings
- Review of Pay Applications
- Resident Project Representative
- Project Closeout Services

CGA's experience as an engineering consultant will be a benefit to the City in performing the types of projects listed under Appendix B – Potential Projects from the RFQ document. **The CGA Team have performed every type of project on the list of Potential Projects already either for the City or our other municipal clients.** The City will be the beneficiary of this experience in a consultant that has no learning curve required and has a great familiarity with the City and the City's staff. This experience will lead to more work being done for the City in less time and regulatory hassle.

LOCATIONS

CGA will perform the Engineering / Surveying / Landscape Architecture / Transportation / Environmental / Coastal Engineering work for this project out of our West Palm Beach office located at:
560 Village Boulevard, Suite 340
West Palm Beach, FL 33409

Alan Gerwig & Associates, Inc. will perform the Structural work from their office located at:
12798 W. Forest Hill Blvd, Suite 201
Wellington, FL 33414

JLRD, Inc. will perform the Mechanical / Electrical / Plumbing work from their office located at:
1450 Centrepark Blvd #350
West Palm Beach, FL 33401

Nutting Engineers, Inc. will perform the Environmental Audits and Geotechnical work from their office located at:
1310 Neptune Drive
Boynton Beach, Florida 33426

Smith Engineering Consultants will perform the electrical work from their office located at:
2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, FL 33409

CALTRAN Engineering Group, Inc. will perform the **Traffic** work from their office located at:
790 NW 107th Avenue, Suite 200
Miami, FL 33172

ACCESSIBILITY

CGA will be accessible to the City for meetings, general communications, coordination and supervision in a reasonable amount of time. **Our offices are located in West Palm Beach and are 25 minutes from ESD. We have maintained excellent availability for meetings, inspections, site visits, and phone and electronic communication over the years of our current contract and are committed to do so in the future.** We are local to Palm Beach County and will have no problems providing excellent service to the City.

The **primary method of meeting attendance will be in person** with City Staff at the locations deemed appropriate by the City, be it at the offices of ESD, City Hall, CRA or in the field at the jobsite. Because of the proximity of the CGA offices to the City, CGA staff will be able to attend meetings with as little as 30 minutes advanced notice.

C. PROJECTS FOR SIMILAR SERVICES

CGA has served as the prime engineer design consultant on the following projects:

RELEVANT PROJECTS [1]	
i. Name of project owner	City of Delray Beach - NW 12th Avenue Streetscape
ii. Location/address of project	NW 12th Avenue from Atlantic Avenue to MLK Boulevard (NW 2nd Street)
iii. Dates of project (start/end)	Started design May, 2014, Currently in construction (scheduled to finish April 2017)
iv. Status of Project	Substantial Completion
	CGA is providing complete engineering, landscape architecture, street lighting, construction documents and permitting for the streetscape improvements for NW 12th Avenue from Atlantic Avenue to NW 2nd Street for the City of Delray Beach. The design includes roadway narrowing to accommodate swale regrading with new landscaping with street lighting on NW 12th Avenue and paving of alleyways on the west and east sides of NW 12th Avenue south of NW 1st Street. Drainage improvements were designed for the project to improve the corridor flooding problems. The existing 2" water main on SE 1st Street is being replaced with a new 6" water main. The streetscape design was carefully coordinated with the survey, electrical and civil engineers to ensure that all proposed infrastructure is strategically located so that a safer, well lit street with attractive landscaping will be created. The landscaping will be irrigated with reclaimed water.

RELEVANT PROJECTS [2]	
i. Name of project owner	City of Delray Beach CRA - SW 2nd Street
ii. Location/address of project	100 NW 1st Avenue, Delray Beach, FL 33444
iii. Dates of project (start/end)	April 2014
iv. Status of Project	Completed
v. Scope 	The roadway enhancements along SW 2nd Street included streetscape beautification, new planting bulb-outs, concrete walkways and the introduction of roundabouts. This project was the first opportunity for the engineering department to utilize roundabouts in the SW neighborhood in an effort to provide traffic calming within the residential streets. Unique varieties of Thrinax Miraguama Palms were specified within the roundabouts to provide a stately focal point. New sidewalks were introduced along the right of way to encourage pedestrian safety and walkability. The new landscape edges as well as the planted bulb outs provided enhanced beauty to the streetscape and neighborhood aesthetic. All of the planted areas were provided with an irrigation system to ensure that the streetscape would continue to thrive and look beautiful.

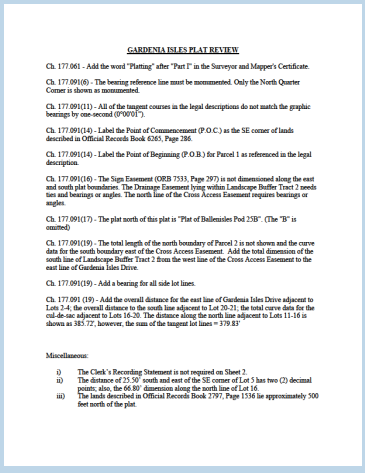
RELEVANT PROJECTS [3]	
i. Name of project owner	**Town of Jupiter** - A-1-A Bike Lanes
ii. Location/address of project	210 Military Trail, Jupiter, FL 33458
iii. Dates of project (start/end)	Start Design December 2010, Finish Construction August, 2016
iv. Status of Project	Complete
v. Scope	CGA was retained by the Town of Jupiter to provide all of the civil engineering services for its ambitious A-1-A Bike Lane Project. This two-phase project will put the last 0.7 miles of bike lanes on A-1-A in the Town of Jupiter. The bike lanes and the streetscape improvements are LAP funded (the LAP Phase). The underground utility improvements are funded by the Town (the Utility Phase). The project was split into two construction contracts to facilitate the minimization of disruptions to the seasonal traffic conditions and the LAP funding schedule. The first project to start is the underground improvements include the burial of the overhead power lines for the full 0.7 mile length of the project, constructing a drainage backbone system to serve not only the roadway but the entire 40-plus acre Jupiter Inlet Village, and replacing the 10" asbestos cement water main. The project is complicated by the extensive utilities crowding both sides of the roadway. In some sections of the roadway there are eleven underground lines on one side of the road before the new construction begins. The LAP Phase includes milling, resurfacing and overlay of the 0.7 mile of roadway, the addition of 5-foot bike lanes, color treated permeable concrete sidewalks on both sides of the roadway, decorative pavement features, raised pedestrian crossings, on-street parking, solar powered flashing crossing signs, solar powered speed indicator signs, signing and pavement marking layout and improvements to the turn lanes at both ends of the project. Other improvements include extensive landscaping, pedestrian level street lighting and new underground fiber optic conduits for the Town's use. Services provided by CGA included civil engineering, subsurface utility investigation, street lighting and construction engineering and inspections.

RELEVANT PROJECTS [4]	
i. Name of project owner	City of Delray Beach CRA - SW 2nd Street
ii. Location/address of project	100 NW 1st Avenue, Delray Beach, FL 33444
iii. Dates of project (start/end)	October 2016 - Ongoing
iv. Status of Project	Design
v. Scope	CGA is providing Site Plan Review and Engineering Permit Review services for the City of Delray Beach. Under this contract CGA has been reviewing Site Plans since October of 2016 and been reviewing Engineering Permits since April of 2017. CGA has reviewed more than 100 site plans and 100 engineering permits in that time. Site Plan review includes review by a Professional Surveyor and Mapper of surveys and plats, a Professional Civil Engineer of engineering plans and drainage calculations, and a Professional Traffic Engineer of traffic studies. Engineering Permit review includes review of all building permits within the city that require review by the City's Engineering Department.

RELEVANT PROJECTS [5]	
i. Name of project owner	**Town of Lake Park -** Continuing Services
ii. Location/address of project	535 Park Avenue, Lake Park, FL 33403
iii. Dates of project (start/end)	Start Design 2015 – Ongoing
iv. Status of Project	Continuing Contract - Ongoing
v. Scope	CGA was awarded an annual contract in 2015 to provide the Town of Lake Park with Professional Services including Civil, Electrical, and Traffic Engineering, Landscape Architecture, Surveying, Construction Administration, GIS and Plan Review on both a Task Work Order Basis and a Cost Recovery Basis. CGA serves as the Town Engineer and Town Surveyor and assists the Town with their annual NDPES MS4 reporting requirements as well as provides the annual updates to the Town's Stormwater Utility ESU rate table and prepares the documents required to submit to the Tax Collector to collect the fees. CGA has been the Town's Consultant for 14 of the last 16 years and has been providing the Town with InkForce Code Enforcement Tracking Software since 2005. In 2008, CGA assisted the Town with the creation of its Stormwater Utility and prepared the initial Equivalent Stormwater Unit calculation for each of the more than 3000 properties in the Town by determining the amount of impervious area for each property. CGA also participated in the rate evaluations for the Town and assists with proposed rate changes. Services provided to the Town under this contract include: • Surveying & Plat Review • Roadway Design • Construction Administration • Site Plan Review • Engineering Permit Review • Software Design and Support for Code Enforcement • Landscape Architecture and Park Design

RELEVANT PROJECTS [6]	
i. Name of project owner	**Town of Mangonia Park - Utility Engineer**
ii. Location/address of project	1755 East Tiffany Drive, Mangonia Park, FL 33407
iii. Dates of project (start/end)	Start 2007 – Ongoing
iv. Status of Project	Continuing Contract - Ongoing
v. Scope	CGA was awarded an annual contract in 2007 to provide the Town of Mangonia Park with professional engineering services for their water distribution, wastewater collection systems, water treatment plant, and other services. As part of the ongoing contract, CGA performs utility site plan reviews, and offers alternatives to better suit the existing site plan and Town's utility infrastructure requirements. CGA aids the Town with federal, state, and local grant writing, and has obtained over $2 million in grants for the Town's water treatment plant, drainage system, sewer system, and community center. CGA performed the construction management of two $300,000 Palm Beach County Community Development Block Grants, awarded to construct a new sewer system serving Pioneer Road and a new sewer system on Brandon and Crandon Avenues. CGA assisted the Town with an Infiltration and Inflow project, obtaining and administrating a $425,000 grant from FDEP. This project lined approximately 1/3 of the Town's sewer lines in 2016.

RELEVANT PROJECTS [7]	
i. Name of project owner	**Town of Jupiter -** Continuing Engineering Services
ii. Location/address of project	210 Military Trail, Jupiter, FL 33458
iii. Dates of project (start/end)	Start Design 2003 – Ongoing
iv. Status of Project	Continuing Contract - Ongoing
v. Scope	CGA was awarded an annual contract in 2003 to provide the Town of Jupiter with Professional Services including Civil, Environmental, Electrical, and Traffic Engineering as well as Surveying and CEI on a Task Work Order Basis. CGA has been renewed twice and re-selected once by the Town during the course of this contract. CGA has completed more than a dozen projects for the Town including the A-1-A Bike Lane project converting it to a Complete Street with permeable pavement sidewalks, traffic calming, landscaping and decorative pavement treatments. Types of projects CGA has completed for the Town in this contract include: • Surveying • Legal sketch and descriptions for easements • Roadway Design • Roadway Lighting • Pathway Design • SFMWD Permitting (unrelated to projects in design) • Emergency Generators • Interior Lighting (for efficiency) • CEI • Traffic Signal Design • Environmental Permitting • Wetlands Permitting • Laser Scanning

RELEVANT PROJECTS [8]	
i. Name of project owner	**City of Palm Beach Gardens -** Survey & Plat Review
ii. Location/address of project	10500 North Military Trail, Palm Beach Gardens, Florida 33410
iii. Dates of project (start/end)	Start 2000 – Ongoing
iv. Status of Project	Continuing Contract - Ongoing
v. Scope 	CGA has been providing professional surveying review of Parcel Surveys, Plats and Sketch and Description for the City of Palm Beach Gardens planning and engineering departments on an on call basis. GCA also is on call to consults with city staff on planning and engineering issues that may arise and handles these calls as a professional courtesy as continuing relationship. All Plats are reviewed for compliance with Florida Statute 177 for platting and surveys with Standards of Practice set forth by the Florida State Board of Professional Surveyors and Mappers in Chapter 5J-17 of the State of Florida Administrative Code, pursuant to chapter 472.027 Florida Statutes.

GARDENIA ISLES PLAT REVIEW

Ch. 177.061 - Add the word "Platting" after "Part I" in the Surveyor and Mapper's Certificate.

Ch. 177.091(6) - The bearing reference line must be monumented. Only the North Quarter Corner is shown as monumented.

Ch. 177.091(11) - All of the tangent courses in the legal descriptions do not match the graphic bearings by one-second (0°00'01").

Ch. 177.091(14) - Label the Point of Commencement (P.O.C.) as the SE corner of lands described in Official Records Book 4265, Page 286.

Ch. 177.091(14) - Label the Point of Beginning (P.O.B.) for Parcel 1 as referenced in the legal description.

Ch. 177.091(16) - The Sign Easement (ORB 7533, Page 297) is not dimensioned along the east and south plat boundaries. The Drainage Easement lying within Landscape Buffer Tract 2 needs ties and bearings or angles. The north line of the Cross Access Easement requires bearings or angles.

Ch. 177.091(17) - The plat north of this plat is "Plat of Ballenisles Pod 25B". (The "B" is omitted)

Ch. 177.091(19) - The total length of the north boundary of Parcel 2 is not shown and the curve data for the south boundary east of the Cross Access Easement. Add the total dimension of the south line of Landscape Buffer Tract 2 from the west line of the Cross Access Easement to the east line of Gardenia Isles Drive.

Ch. 177.091(19) - Add a bearing for all side lot lines.

Ch. 177.091 (19) - Add the overall distance for the east line of Gardenia Isles Drive adjacent to Lots 2-4; the overall distance to the south line adjacent to Lot 20-21; the total curve data for the cul-de-sac adjacent to Lots 16-20. The distance along the north line adjacent to Lots 11-16 is shown as 385.72', however, the sum of the tangent lot lines = 379.83'

Miscellaneous:

i) The Clerk's Recording Statement is not required on Sheet 2.
ii) The distance of 25.50' south and east of the SE corner of Lot 5 has two (2) decimal points; also, the 66.80' dimension along the north line of Lot 16.
iii) The lands described in Official Records Book 2797, Page 1536 lie approximately 500 feet north of the plat.

RELEVANT PROJECTS [9] - ALAN GERWID & ASSOCIATES, INC.	
i. Name of project owner	**Palm Beach County- Ocean Inlet Park Marina Replacement**
ii. Location/address of project	2633 Vista Parkway, West Palm Beach, FL 33411
iii. Dates of project (start/end)	Start Design 2016 -2016
iv. Status of Project	Completed
v. Scope	Alan Gerwig & Associates, Inc. (AGA) performed an assessment of the condition of the various structural components of this existing marina on the east side of the Intracoastal adjacent to the Boynton Inlet. This included the existing bulkhead walls, docks and water and electrical services. A detailed report was prepared documenting the findings of the assessment with recommendations for replacement options along with cost estimates. AGA is currently performing master planning services for the replacement of the marina and improvements to the park. This includes replacing all the marina structures and incorporating a heavy-duty floating dock system with a floating wave attenuator to minimize the impact of boat wakes on the marina from boats using the adjacent inlet. In addition, the existing marina building will be replaced with a new 5,600 SF building. Other improvements will include a new plaza area with shade structures and landscaping and the replacement of the bulkhead wall at the southwest corner of the park. AGA has also assisted Palm Beach County with an emergency repair of the existing wastewater drainfield and the subsequent repair permit involving the design of an additional drainfield at the park.

RELEVANT PROJECTS [10] - JOHNSON, LEVINSON, RAGAN, DAVILA, INC.	
i. Name of project owner	**Palm Beach County Water Utilities Department -** West Regional Operations Complex
ii. Location/address of project	1755 East Tiffany Drive, Mangonia Park, FL 33407
iii. Dates of project (start/end)	Start 2007 – Ongoing
iv. Status of Project	Continuing Contract - Ongoing
v. Scope	This project's development to the west side of the current plant site will construct facilities which will allow WUD's operations and maintenance personnel to perform daily functions without traveling to the CROC facility approximately 30 miles away. These functions include warehouse, O&M administration, IT/Data room, pump wash, truck wash, pump repair, and covered storage for portable generators and piping. JLRD's past experience as the MEP&FP professional engineers for the WUD's Central Regional Operation Center (formally NROC), as well as familiarity with WUD's criteria was essential to their selection as the design engineer for this project as well. Existing plant improvements will include the relocation of the existing server functions (Data / Voice / CCTV) to the O&M building's data room designed to WUD's stringent IT standards with UPS backup, pre-action fire protection, and rack mounted equipment with redundant HVAC systems. Plumbing infrastructure to be designed to support the high pressure/heater pump wash and commercial truck was equipment. In an effort to reduce energy consumption, improve lighting quality, and reduce maintenance, the existing exterior lighting fixtures throughout the plant will be replaced with fixtures utilizing LED lamp sources. In conjunction with another project to upgrade the existing CCTV system, additional lighting coverage, as well as meeting the lighting level criteria of the proposed CCTV cameras will be considered.

D. ORGANIZATIONAL STRUCTURE

COMPOSITION

The location of the main and branch offices, the location of the office from which this work will be performed, and number of employees in each department have been depicted in the following chart.

Calvin, Giordano & Associates, Inc.		
Corporate Office	1800 Eller Drive, Suite 600, Fort Lauderdale, FL 33316	
Local Office	560 Village Boulevard, Suite 340 West Palm Beach, FL 33409	
Branch Offices	Miami Office 10800 Biscayne Boulevard Miami, FL 33161	Clearwater Office Feather Sound Corporate Center 1 13535 Feather Sound Drive, Suite 135 Clearwater, FL 33762
	Estero Office Brooks Executive Suites 9990 Coconut Road, Suite 340 Bonita Springs, FL 34135	Port St. Lucie Office 2400 SE Veterans Memorial Parkway, Suite 207 Port St Lucie, FL 34952
Date / State Incorporated	June 27, 1985, Florida	
Date Authorized in Florida	Authorized in Florida 1937 as M.E. Berry & Associates, Inc.	
Officers/Directors	**Dennis J. Giordano** **Shelley Eichner, AICP** Karl Kennedy, PE, Tammy Cook, RLA, Steve Watts, PSM, Dawn Hopkins, Chris Giordano, **** Principal with signing authority***	**President / CEO*** **Senior Vice President*** Vice President Vice President Vice President Secretary Vice President/Treasurer

STAFFING RESOURCES		
Professional Employees by Classification	Administrative	65
	Chemical Engineers	01
	Civil Engineers	26
	Construction Inspector	15
	Electrical Engineers	03
	Landscape Architects	04
	Planners: Urban/Regional	10
	Permitting Specialists	26
	Surveyors	03
	Transportation Engineers	03
	Computer CADD Technicians	05
	Field Surveyors	13
	GIS/Data Technology Specialists	10
	Code Enforcement Specialist	29
	Environmental Specialists	02
	Environmental Field Crew	01
	Landscape Designers / Inspectors	08
	Biologist(s)/Indoor Air Quality	01
	Building Department	67
	Other Employees	69
	Total	**360**

SUBCONSULTANTS BY DISCIPLINE

Alan Gerwig & Associates, Inc. will perform the **Structural** work from their office located at:
12798 W. Forest Hill Blvd, Suite 201
Wellington, FL 33414

Johnson, Levinson, Ragan, Dailva, Inc. will perform the **Mechanical / Electrical / Plumbing** work from their office located at:
1450 Centrepark Blvd #350
West Palm Beach, FL 33401

Nutting Engineers of Florida, Inc. will perform the **Environmental Audits and Geotechnical** work from their office located at:
1310 Neptune Drive
Boynton Beach, Florida 33426

Smith Engineering Consultants, Inc. will perform the **Electrical** work from their office located at:
2161 Palm Beach Lakes Blvd., Suite 312
West Palm Beach, FL 33409

CALTRAN Engineering Group, Inc. will perform the **Traffic** work from their office located at:
790 NW 107th Avenue, Suite 200
Miami, FL 33172

Please see organizational chart on the following page.

Organizational Chart

We have assembled a team of qualified professionals who have completed several projects of similar scope, and who possess the diversity of technical skills required for execution of this project. The team is fully committed to dedicating the necessary manpower, expertise, and attentiveness to ensure that the CITY meets its objectives through the provision of these services.

An organizational chart identifying key staff members and their level of responsibility has been provided below.

RESPONSIBILITIES AND CONTRACTUAL RELATIONSHIPS

CGA's role in the project will be as the Prime Consultant and CGA shall perform all civil engineering, non-building related electrical engineering, surveying and landscape architecture on the project. Our subconsulant Nutting Engineers, Inc. shall perform all geotechnical engineering and environmental audits. Our subconsultant Alan Gerwig & Associates will perform Structural Engineering. Our subconsultant Smith Engineering Consultants shall perform all electrical and street lighting work. Our subconsultant JLRD, Inc. shall perform all MEP Engineering. Our subconsultants shall have a contractual relationship with CGA. CGA shall make all subcontractural relationships known to the City to ensure the City may monitor Prime/Sub payments and invoicing. CGA shall coordinate all work done by our subconsultants and all communication with the City shall go through CGA.

Our Team will be led by Patrick Figurella from the West Palm Beach Office and he will be responsible for all communication between the CGA Team and the City. Patrick will also be in charge of Civil Engineering and will be assisted by David Frodsham and Nicole Miller. Tammy Cook-Weedon is the head of the Landscape Architecture and Environmental departments and she oversees Marcos Mendoza who will perform landscape architecture, site planning, public outreach and irrigation design. Tammy also oversees Sandra Lee and Patrick Murphy who will perform environmental services. Ronnie Furniss heads the Survey Department and will be responsible for surveying and will be assisted by David Rohal.

WORKLOAD AVAILABILITY

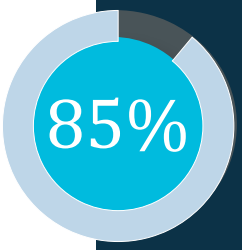
CGA's approach to project staffing is to pull in the required personnel required to do each task.
The staff at Calvin, Giordano & Associates has vast experience conceiving design solutions and following them through design development and into construction. CGA's employees hold registrations and certifications in professional services of their disciplines, and many of our selected staff have a cross-discipline educational background to support our mission of providing complete and thoroughly articulated projects. Logistically, our staff has been providing these full-spectrum design, engineering and management services repeatedly for several municipalities, county and state agencies.

CGA has sufficient staff to satisfy the needs of both the City and our current clients. The following charts shows our current workload and availability.

Time Contribution
(Percentage)

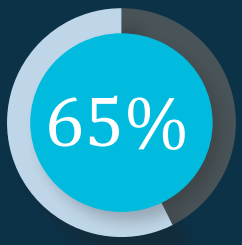
CGA has the capacity to provide the services being requested by the Town in this RFP, and we are ready and available to start immediately. Our company-wide project tracking system (Ajera) monitors back log / workload projections, and available budget on a day to day basis. This system allows us to know, at any given moment, our ongoing project staffing requirements.

The following chart(s) provide a statistical breakdown of the current workload and availability of our proposed team.

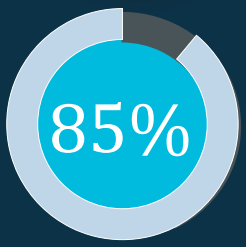


PATRICK FIGURELLA, PE
Project Manager

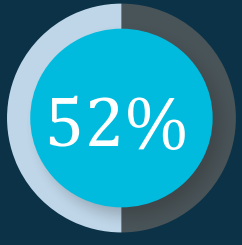
TAMMY COOK-WEEDON, ASLA, LEED AP BC+D
Senior Landscape Architect



RONNIE FURNISS, PSM
Senior Surveyor



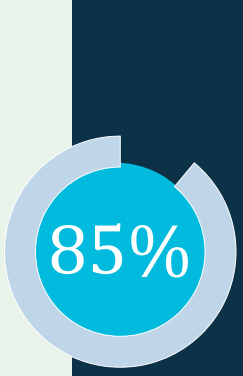
DAVID FRODSHAM, PE
Civil/Roadway Engineer



DAVID ROHAL, PSM
Software Developer

Time Contribution Cont'd

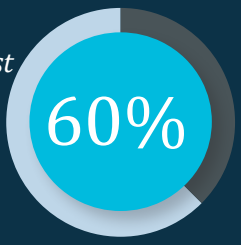
(Percentage)



SANDRA LEE, AICP, CFM, LEED AP BD+C
Senior Environmental Specialist

ERIC CZERNIEJEWSKI, PE, ENV SP
Senior Traffic Engineer

MARCOS MENDOZA
Landscape Architect



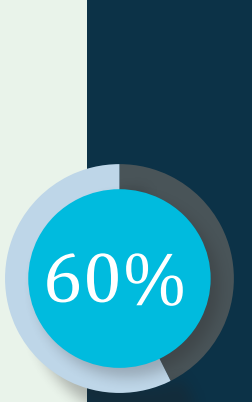
PATRICK MURPHY
Environmental Specialist

DIANA RIVAS, PE
Traffic Engineer

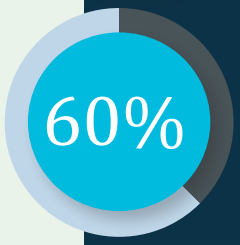
NICOLE MILLER
Permit/Plan Reviewer

ALAN GERWIG, PE
Senior Structural Engineer

Time Contribution Cont'd
(Percentage)

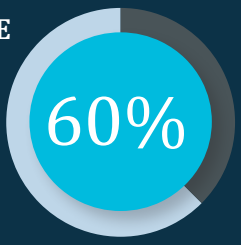


SIMON COLEMAN, PH.D., PE
Senior Structural Engineer



CHARLES GABLEMAN, PE, LEED AP
Senior Mechanical/Electrical Engineer

MARCOS MENDOZA
Landscape Architect



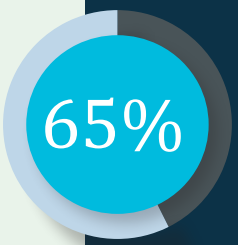
MICHAEL P. LINDEN
Senior Mechanical/ Plumbing Engineer

RICHARD IOSSI, PE
Senior Geotechnical/ Environmental Engineer

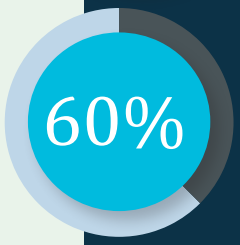
RICHARD WOHLFARTH, PE
Senior Geotechnical Engineer

LARRY SMITH, PE
Senior Electrical Engineer

Time Contribution Cont'd
(Percentage)



P.K. PATEL, PE
Senior Electrical Engineer



JUAN CALDERON, PE,
Senior Traffic Engineer

CARLOS PEREZ, PE
Senior Traffic Engineer

Calvin, Giordano & Associates, Inc.
EXCEPTIONAL SOLUTIONS™

May 30, 2017

The City of Delray Beach
100 NW 1st Avenue,
Delray Beach, FL 33444

RE: RFQ No. 2017-048 Continuing Engineering, Surveying and Landscaping Architectural Consulting Services
Letter of Commitment

Dear Selection Committee:

Calvin, Giordano & Associates, Inc. (CGA) is pleased to offer our commitment to the City for the ***Continuing Engineering, Surveying and Landscaping Architectural Consulting Services, RFQ No. 2017-048***. We are committed to assigning and dedicating the manpower, expertise, and attentiveness necessary to ensure that the City meets it's goals and objectives through the provision of these services. Our team's experience will result in smooth and efficient execution of the project scope and successful completion of all services related to this contract. CGA is sufficiently staffed to provide good service to both the City of Delray Beach for this and our other projects and our current clients.

Should Calvin, Giordano & Associates, Inc. be selected to provide services under this contract, I, Shelley Eichner, AICP, Senior Vice President, will serve as Principal-in-Charge and Patrick Figurella, Senior Project Engineer, will serve as Project Manager and primary client contact for this contract. We can be reached by email at SEichner@cgasolutions.com or PFigurella@cgasolutions.com or by telephone or fax at the numbers listed on this letterhead.

Thank you for providing us this opportunity to respond to this Request for Qualifications.

Sincerely,

CALVIN, GIORDANO & ASSOCIATES, INC.

Shelley Eichner, AICP
Senior Vice President

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

560 Village Boulevard
Suite 340
West Palm Beach, FL
33409
561.684.6161 phone
561.684.6360 fax

www.cgasolutions.com

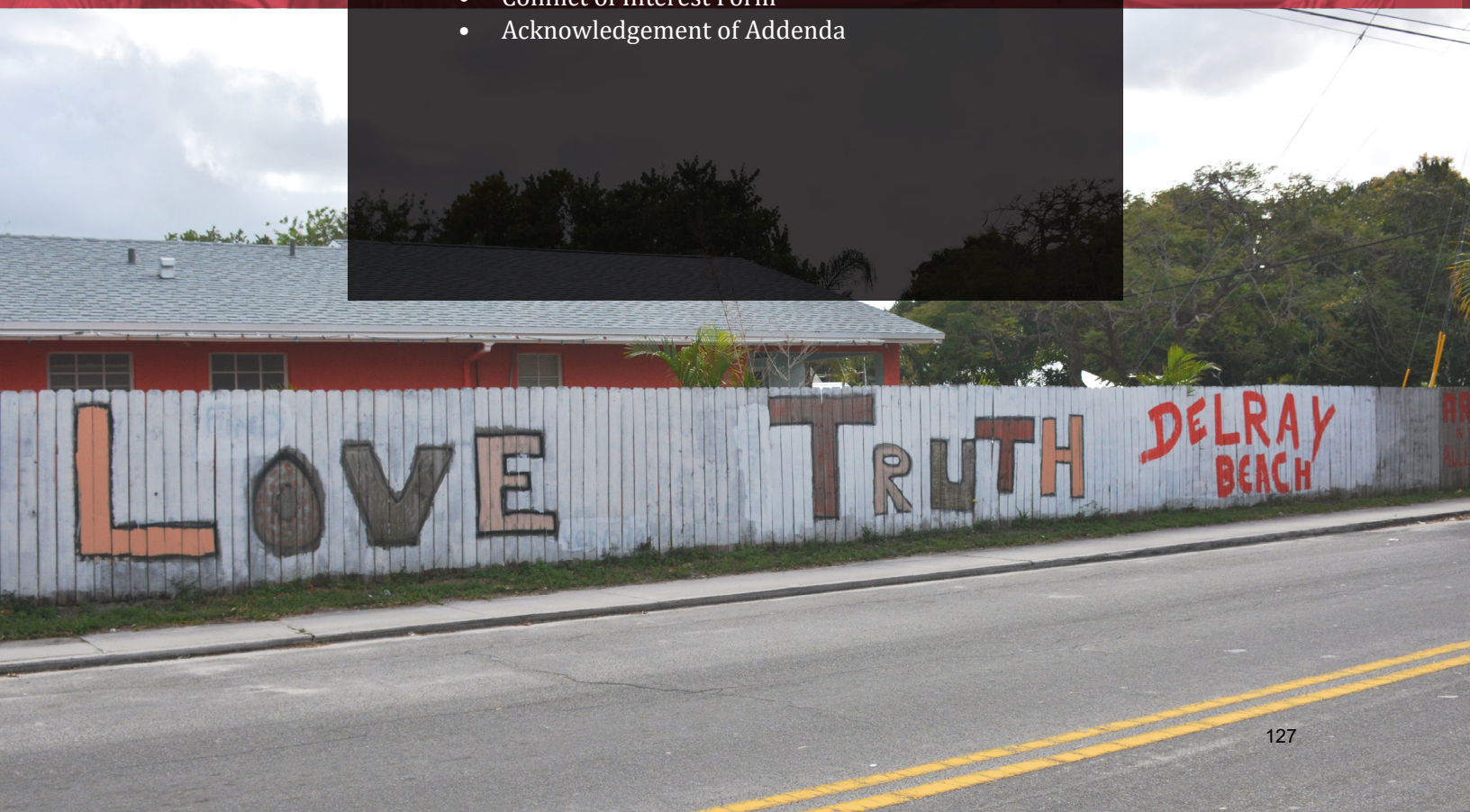
CHAPTER 5

FORMS

RFP FORMS

Completed Forms have been included on the following pages.

- Public Entity Form
- Drug Free Workplace Form
- Conflict of Interest Form
- Acknowledgement of Addenda



Form A - Signature Authority

Indicate below Proposer's type of organization and provide the required documentation as applicable to demonstrate that the executor of Proposer's Proposal is duly authorized to execute on behalf of, and as the official act of, Proposer.

Select	Type of Organization	Officer Who Signed Proposal Submittal Signature Page	Required Authorizing Documentation
☒	Corporation	President, Vice President, or Chief Executive Officer	None
☐	Corporation	Director, Manager, or other title	Corporate resolution
☐	Limited Liability Company (LLC) – Member-Managed	Member	Articles of Organization or Operating Agreement
☐	Limited Liability Company (LLC) – Manager-Managed	Manager	Articles of Organization or Operating Agreement
☐	Limited Partnership	General Partner	Document demonstrating the legal authority to bind the Limited Partnership
☐	Partnership	Partner	None
		CEO, Director, Manager or other title	Authorizing documentation
☐	Individual	Individual	None

☒ **Documentation is not required.**

☐ **The required authorizing documentation is included with Proposal.**

Form B - Public Entity Crimes

NOTIFICATION OF PUBLIC ENTITY CRIMES LAW

Pursuant to Section 287.133, *Florida Statutes*, you are hereby notified that a person or affiliate who has been placed on the convicted contractors list following a conviction for a public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity; may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work; may not submit proposals on leases or real property to a public entity; may not be awarded or perform work as a contractor, supplier, sub-Proposer, 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 [F.S.] for Category Two [$35,000.00] for a period of thirty-six (36) months from the date of being placed on the convicted contractors list.

Acknowledged by:

Calvin, Giordano & Associates, Inc.
Firm Name

Shelley Eichner
Signature

5/26/2017
Date

Shelley Eichner, AICP - Senior Vice President
Printed Name and Title

Form C - Drug-Free Workplace

In the event a tie exists at the conclusion of evaluations, preference will be given to the supplier(s) who certifies it has a drug-free workplace program in accordance with Section 287.087, Florida Statutes. The drug-free workplace preference is applied as follows:

TIE: Whenever two or more proposals are equal with respect to scoring for the evaluation criteria (e.g., price, experience, quality, service) are received for the procurement of commodities or contractual services, a proposal received from a supplier that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing a tie will be followed if none of the tied suppliers have submitted this Form C and/or have a drug-free workplace program.

As the person authorized to sign this statement, I certify that this firm complies fully with the following requirements:

1) This firm publishes 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) This firm informs 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) This firm gives 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), this firm notifies 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 abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5) This firm imposes a sanction on or requires 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) This firm will continue to make a good faith effort to maintain a drug-free workplace through implementation of this section.

Acknowledged by:

Calvin, Giordano & Associates, Inc.
Firm Name

Shelley Eichner
Signature

5/26/2017
Date

Shelley Eichner, AICP - Senior Vice President
Printed Name and Title

Form D - Conflict of Interest Disclosure

The award of the agreement is subject to the provisions of Chapter 112, Florida Statutes. All Proposers must disclose within their Proposal, the name of any officer, director, or agent who is also an employee or relative of an employee of the City of Delray Beach.

Furthermore, all Proposers must disclose the name of any City employee or relative(s) of a City employee who owns, directly or indirectly, an interest in the Proposers firm or any of its branches.

The purpose of this disclosure form is to give the City the information needed to identify potential conflicts of interest for key personnel involved in the award of this contract.

The term "conflict of interest" refers to situations in which financial or other personal considerations may adversely affect, or have the appearance of adversely affecting, an employee's professional judgment in exercising any City duty or responsibility in administration, management, instruction, research, or other professional activities.

Please check one of the following statements and attach additional documentation if necessary:

☒ To the best of our knowledge, the undersigned firm has no potential conflict of interest as defined in Chapter 112, Florida Statutes and Section 2-443, Palm Beach County Code of Ordinances.

☐ The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other Cities, Counties, contracts, or property interest for this RFQ.

Acknowledged by:

Calvin, Giordano & Associates, Inc.
Firm Name

Shelley Eich
Signature

5/26/2017
Date

Shelley Eichner, AICP - Senior Vice President
Printed Name and Title

Form E - Acknowledgment of Addenda

The Proposer hereby acknowledges the receipt of the following addenda, which were issued by the City and incorporated into and made part of this RFQ. It is the sole responsibility of the Proposer to ensure that all addenda have been received and receipt of each has been acknowledged. Failure to submit acknowledgement of each addendum issued may result in the Proposer being deemed non-responsive.

ADDENDA NUMBER	ADDENDA DATE
1	April 24, 2017
2	April 27, 2017
3	May 4, 2017
4	May 10, 2017
5	May 10, 2017
6	May 18, 2017
7	May 19, 2017

Shelley Eichner

Signature of Proposer's Agent

Senior Vice President

Title

Shelley Eichner , AICP

Printed Name

5/26/2017

Date

CHAPTER 6

EVIDENCE OF INSURANCE

CALVI-2 OP ID: AY

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 01/05/2017

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

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

PRODUCER
Brown & Brown of Florida, Inc.
1201 W Cypress Creek Rd # 130
P.O. Box 5727
Ft. Lauderdale, FL 33310-5727
Eric Martin Woodling

CONTACT NAME:
PHONE (A/C, No, Ext): 954-776-2222 FAX (A/C, No): 954-776-4446
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Nat'l Fire Ins Co of Hartford	20478
INSURER B : Transportation Insurance Co.	20494
INSURER C : Valley Forge Ins. Co.	20508
INSURER D : Continental Insurance Co.	35289
INSURER E : Landmark American Ins. Co.	33138
INSURER F :	

INSURED
Calvin, Giordano & Assoc, Inc.
Attn: Dennis Giordano
1800 Eller Drive #600
Ft. Lauderdale, FL 33316

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

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
A	X COMMERCIAL GENERAL LIABILITY			GL6045487663	01/01/2017	01/01/2018	EACH OCCURRENCE	$	1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$	100,000
							MED EXP (Any one person)	$	15,000
							PERSONAL & ADV INJURY	$	1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$	2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$	2,000,000
	OTHER:						Emp Ben.	$	1,000,000
B	AUTOMOBILE LIABILITY			BUA6043661816	01/01/2017	01/01/2018	COMBINED SINGLE LIMIT (Ea accident)	$	1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$	
	ALL OWNED AUTOS / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$	
	HIRED AUTOS / NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	$	
								$	
D	X UMBRELLA LIAB X OCCUR			CUE6043661850	01/01/2017	01/01/2018	EACH OCCURRENCE	$	10,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$	10,000,000
	DED X RETENTION $ 0							$	
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N			WC6043661847	01/01/2017	01/01/2018	X PER STATUTE OTH-ER		
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? N / A						E.L. EACH ACCIDENT	$	1,000,000
	(Mandatory in NH)						E.L. DISEASE - EA EMPLOYEE	$	1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	$	1,000,000
E	Prof Liability			LHR75062	08/27/2016	08/27/2017	Occ/Aggr		2,000,000
	Claims Made			RETRO DATE 8/27/1959			Deductibl		200,000

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

For bid purposes only

CERTIFICATE HOLDER

CALVING

Calvin, Giordano & Associates, Inc
1800 Eller Drive #600
Ft Lauderdale, FL 33316

CANCELLATION

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

AUTHORIZED REPRESENTATIVE

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EXHIBIT "B"

Category: Landscaping Architecture	**Hourly Raw Salary Rate**
Principal Landscaping Architecture	$ 51.44
Project Manager	$ 40.38
Landscape Architect	$ 36.67
CADD Designer	$ 24.56
Construction Manager	$ 30.45
Office Support	$ 21.22

PRICE ADJUSTMENTS BASED ON GOVERNMENTAL PRICE INDEX

Prior to the completion of the first year of the Contract term, and every 12-month anniversary thereafter, the City may consider an adjustment to prices based on the most recent 12 month change in the following pricing index: Bureau of Labor Statistics, Employment Cost Index, Private Industry Workers, Total Compensation, Management business and financial occupations, Not Seasonally Adjusted, CIU2010000110000A.

It is Consultant's responsibility to request any pricing adjustment under this provision. For any adjustment to be considered, the Consultant's request for adjustment should be submitted at least sixty (60) days prior to the anniversary date. The adjustment requested shall not be in excess of the relevant pricing index change. If a timely adjustment request is not received from the Consultant, the City may exercise its Option to Renew the Contract for another Term without any pricing adjustment.