

*CITY OF POMPANO BEACH,
FLORIDA*

PROFESSIONAL CONSULTING AGREEMENT

with

BAXTER & WOODMAN, INC.



**CONTINUING CONTRACT FOR CIVIL ENGINEERING
SERVICES FOR VARIOUS CITY PROJECTS E-20-20**

**CONTRACT FOR
PROFESSIONAL CONSULTING SERVICES**

This Contract is made on _____, by and between the CITY OF POMPANO BEACH, a municipal corporation of the State of Florida, hereinafter referred to as “CITY,” and BAXTER & WOODMAN, INC. an Illinois corporation, authorized to do business in the State of Florida hereinafter referred to as the “Consultant”.

WHEREAS, the Consultant is able and prepared to provide such services as City requires under the terms and conditions set forth herein; and

WHEREAS, the City Commission has approved the recommendation that Consultant be employed by the City and authorized the negotiation of contractual terms.

NOW, THEREFORE, in consideration of the mutual promises herein, the City and the Consultant agree as follows:

ARTICLE 1 – SERVICES/CONSULTANT AND CITY REPRESENTATIVES

The Consultant’s responsibility under this Contract is to provide professional consulting services as more specifically set forth in RLI No. E-20-20 attached hereto as Exhibit A and incorporated herein in its entirety.

The Consultant’s representative shall be Rebecca Travis, P.E., Executive Vice President

The CITY’s representative shall be City Engineer or designee,

ARTICLE 2 – TERM

The CONSULTANT shall adhere to the schedule given in each work authorization after receiving the “Notice to Proceed.”

Reports and other items shall be delivered or completed in accordance with the detailed schedule set forth in individual Work Authorizations as negotiated.

The Term of this Contract shall be for an initial period of five (5) years from the date of execution by both the City and the Consultant.

ARTICLE 3 – PAYMENTS TO CONSULTANT

A. City agrees to pay Consultant in consideration for its services described herein. It is the intention of the parties hereby to ensure that unless otherwise directed by the City in writing, Consultant will continue to provide services as specified in Exhibit A for the term of this Contract.

B. Price Formula. City agrees to pay Consultant as negotiated on a Work Authorization basis. Each work authorization shall specifically identify the scope of the work to be performed and the fees for said services. As set forth in RLI No. E-20-20, professional services under this contract will be restricted to those required for any project for which construction costs will not exceed four million dollars (\$4,000,000.00), and for any study activity fees shall not exceed five hundred thousand dollars (\$500,000.00).

C. Fee Determination. Each individual Work Authorization may be negotiated for fees to be earned by Time and Materials with a Not to Exceed Amount, Lump Sum, or a combination of both methods for subtasks contained therein. The total amount to be paid by the City under a Work Authorization shall not exceed specified amounts for all services and materials including “out of pocket” expenses as specified in Paragraph E below and also including any approved subcontracts unless otherwise agreed in writing by both parties. The Consultant shall notify the City’s Representative in writing when 90% of the “not to exceed amount” for the total Work Authorization has been reached. The Consultant will bill the City on a monthly basis, or as otherwise provided. Time and Materials billing will be made at the amounts set forth in Exhibit B for services rendered toward the completion of the Scope of Work. Where incremental billings for partially completed items are permitted, the total billings shall not exceed the estimated percentage of completion as of the billing date. It is acknowledged and agreed to by the Consultant that the dollar limitation set forth in this section is a limitation upon and describes the maximum extent of City’s obligation to pay Consultant, but does not include a limitation upon Consultant’s duty to perform all services set forth in Exhibit A for the total compensation in the amount or less than the guaranteed maximum stated above.

D. Invoices received by the City from the Consultant pursuant to this Contract will be reviewed and approved in writing by the City’s Representative, indicating that services have been rendered in conformity with the Contract, and then will be sent to the City’s Finance Department for payment. All invoices shall contain a detailed breakdown of the services provided for which payment is being requested. In addition to detailed invoices, upon request of the City’s representative, Consultant shall provide City with detailed periodic Status Reports on the project. All invoice payments by City shall be made after the Work has been verified and completed. Unless disputed by City as provided herein, upon City’s receipt of a Proper Invoice as defined in §218.72, Florida Statutes, as amended, City shall forward Consultant payment for work performed within forty five (45) days for all goods and services provided.

City may temporarily remove for review any disputed amount, by line item, from an invoice and shall timely provide Consultant written notification of any such disputed charge. Consultant shall provide clarification and a satisfactory explanation to City, along with revised copies of all such documents if inaccuracies or errors are discovered, within ten (10) days of receipt of City’s notice of the disputed amount

In the event City has a claim against Consultant for Work performed hereunder which has not been timely remedied in accordance with the provisions of this Article 3, City may withhold payment for the contested amount, in whole or in part, to protect itself from loss on account of defective Work, claims filed or reasonable evidence indicating probable filing of claims by other parties against Consultant, and/or Consultant's failure to make proper payments to subcontractors or vendors for material or labor. When the reason(s) for withholding payment are removed or resolved in a manner satisfactory to City, payment shall be made.

E. "Out-of-pocket" expenses shall be reimbursed up to an amount not to exceed amounts included in each Work Authorization. All requests for payment of "out-of-pocket" expenses eligible for reimbursement under the terms of this Contract shall include copies of paid receipts, invoices, or other documentation acceptable to the City's Representative and to the Finance Department. Such documentation shall be sufficient to establish that the expense was actually incurred and necessary in the performance of the Scope of Work described in a Work Authorization and this Contract. All out-of-pocket, reimbursables and expenses shall be billed at actual amount paid by Consultant, with no markup.

F. Final Invoice. In order for both parties herein to close their books and records, the Consultant will clearly state "Final Invoice" on the Consultant's final/last billing to the City. This final invoice shall also certify that all services provided by Consultant have been properly performed and all charges and costs have been invoiced to the City. Because this account will thereupon be closed, any and other further charges not properly included on this final invoice are waived by the Consultant.

ARTICLE 4 – TRUTH-IN-NEGOTIATION CERTIFICATE

Signature of this Contract by the Consultant shall also act as the execution of a truth in negotiation certificate, certifying that the wage rates, overhead charges, and other costs used to determine the compensation provided for this Contract are accurate, complete and current as of the date of the Contract and no higher than those charged the Consultant's most favored customer for the same or substantially similar service. Should the City determine that said rates and costs were significantly increased due to incomplete, non-current or inaccurate representation, then said rates shall be adjusted accordingly.

ARTICLE 5 – TERMINATION

City shall have the right to terminate this Contract, in whole or in part, for convenience, cause, default or negligence on Consultant's part, upon ten (10) business days advance written notice to Consultant. Such Notice of Termination may include City's proposed Transition Plan and timeline for terminating the Work, requests for certain Work product documents and materials, and other provisions regarding winding down concerns and activities.

If there is any material breach or default in Consultant's performance of any covenant or obligation hereunder which has not been remedied within ten (10) business days after City's

written Notice of Termination, City, in its sole discretion, may terminate this Contract immediately and Consultant shall not be entitled to receive further payment for services rendered from the effective date of the Notice of Termination.

In the event of termination, City shall compensate Consultant for all authorized Work satisfactorily performed through the termination date under the payment terms set forth in Article 3 above and all Work product documents and materials shall be delivered to City within ten (10) business days from the Notice of Termination. If any Work hereunder is in progress but not completed as of the date of the termination, then upon City's written approval, this Contract may be extended until said Work is completed and accepted by City.

This Contract may be cancelled by the Consultant, upon thirty (30) days prior written notice to the City's Representative, in the event of substantial failure by the City to perform in accordance with the terms of this Contract through no fault of the Consultant.

ARTICLE 6 – PERSONNEL

The Consultant is, and shall be, in the performance of all work services and activities under this Contract, an independent Contractor, and not an employee, agent or servant of the City. All persons engaged in any of the work or services performed pursuant to this Contract shall at all times, and in all places, be subject to the Consultant's sole direction, supervision, and control and shall not in any manner be deemed to be employees of the City. The Consultant shall exercise control over the means and manner in which it and its employees perform the work. This contract does not create a partnership or joint venture between the parties.

The Consultant represents that it has, or will secure at its own expense, all necessary personnel required to perform the services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the City, nor shall such personnel be subject to any withholding for tax, Social Security or other purposes by the City, nor be entitled to any benefits of the City including, but not limited to, sick leave, pension benefits, vacation, medical benefits, life insurance, workers or unemployment compensation benefits, or the like from the City.

All of the services required hereunder shall be performed by the Consultant or under its supervision, and all personnel engaged in performing the services shall be fully qualified and, if required, authorized or permitted under state and local law to perform such services.

Any changes or substitutions in the Consultant's key personnel, as may be listed in Article 1, must be made known to the City's Representative at the time substitution becomes effective.

The Consultant warrants that all services shall be performed by skilled and competent personnel to the degree exercised by consultants performing the same or similar services in the same location at the time the services are provided.

ARTICLE 7 – SUBCONTRACTING

Consultant may subcontract any services or work to be provided to City with the prior written approval of the City's Representative. The City reserves the right to accept the use of a subcontractor or to reject the selection of a particular subcontractor and to inspect all facilities of any subcontractors in order to make determination as to the capability of the subcontractor to perform properly under this Contract. The City's acceptance of a subcontractor shall not be unreasonably withheld. The Consultant is encouraged to seek small business enterprises and to utilize businesses that are physically located in the City of Pompano Beach with a current Business Tax Receipt for participation in its subcontracting opportunities.

ARTICLE 8 – FEDERAL AND STATE TAX

The City is exempt from payment of Florida State Sales and Use Taxes. The City will provide the Consultant with the current state issued exemption certificate. The Consultant shall not be exempted from paying sales tax to its suppliers for materials used to fulfill contractual obligations with the City, nor is the Consultant authorized to use the City's Tax Exemption Number in securing such materials.

The Consultant shall be responsible for payment of its own and its share of its employees' payroll, payroll taxes and benefits with respect to this Contract

ARTICLE 9 – AVAILABILITY OF FUNDS

The City's performance and obligation to pay under this contract is contingent upon appropriation for various projects, tasks and other professional services by the City Commission.

ARTICLE 10 - INSURANCE REQUIREMENTS

The Consultant shall not commence work under this Contract until it has obtained all insurance required under this paragraph and such insurance has been approved by the Risk Manager of the City, nor shall the Consultant allow any Subcontractor to commence work on its sub-contract until the aforementioned approval is obtained.

CERTIFICATE OF INSURANCE, reflecting evidence of the required insurance, shall be filed with the Risk Manager prior to the commencement of the work. The Certificate shall contain a provision that coverage afforded under these policies will not be cancelled, will not expire and will not be materially modified until at least thirty (30) days prior written notice has been given to the City. Policies shall be issued by companies authorized to conduct business under the laws of the State of Florida and shall have adequate Policyholders and Financial ratings in the latest ratings of A. M. Best and be part of the **Florida Insurance Guarantee Association Act**.

Insurance shall be in force until all work required to be performed under the terms of the Contract is satisfactorily completed as evidenced by the formal acceptance by the City. In the event the Insurance Certificate provided indicates that the insurance shall terminate and lapse during the period of this Contract, the Consultant shall furnish, at least ten (10) days prior to the

expiration of the date of such insurance, a renewed Certificate of Insurance as proof that equal and like coverage for the balance of the period of the Contract and extension thereunder is in effect. The Consultant shall not continue to work pursuant to this Contract unless all required insurance remains in full force and effect.

Limits of Liability for required insurance are shown in Exhibit C.

The City of Pompano Beach must be named as an additional insured for the Automobile and Commercial General Liability Coverage.

For Professional Liability, if coverage is provided on a claims made basis, then coverage must be continued for the duration of this Contract and for not less than one (1) year thereafter, or in lieu of continuation, provide an "extended reporting clause" for one (1) year.

Consultant shall notify the City Risk Manager in writing within thirty (30) days of any claims filed or made against the Professional Liability Insurance Policy.

For Workers' Compensation Insurance, coverage shall be maintained during the life of this Contract to comply with statutory limits for all employees, and in the case of any work sublet, the Consultant shall require any Subcontractors similarly to provide Workers' Compensation Insurance for all the latter's employees unless such employees are covered by the protection afforded by the Consultant. The Consultant and his Subcontractors shall maintain during the life of this Contract Employer Liability Insurance.

ARTICLE 11 – INDEMNIFICATION

A. Consultant shall at all times indemnify, hold harmless the City, its officials, employees, volunteers and other authorized agents from and against any and all claims, demands, suit, damages, attorneys' fees, fines, losses, penalties, defense costs or liabilities suffered by the City to the extent caused by any negligent act, omission, breach, recklessness or misconduct of Consultant and/or any of its agents, officers, or employees hereunder, including any inaccuracy in or breach of any of the representations, warranties or covenants made by the Consultant, its agents, officers and/or employees, in the performance of services of this contract. To the extent considered necessary by City, any sums due Consultant hereunder may be retained by City until all of City's claims for indemnification hereunder have been settled or otherwise resolved, and any amount withheld shall not be subject to payment or interest by City.

B. Consultant acknowledges and agrees that City would not enter into this Contract without this indemnification of City by Consultant. The parties agree that one percent (1%) of the total compensation paid to Consultant hereunder shall constitute specific consideration to Consultant for the indemnification provided under this Article and these provisions shall survive expiration or early termination of this Contract.

C. Nothing in this Agreement shall constitute a waiver by the City of its sovereign immunity limits as set forth in section 768.28, Florida Statutes. Nothing herein shall be construed as consent from either party to be sued by third parties.

ARTICLE 12 – SUCCESSORS AND ASSIGNS

The City and the Consultant each binds itself and its partners, successors, executors, administrators and assigns to the other party of this Contract and to the partners, successors, executors, administrators and assigns of such other party, in respect to all covenants of this Contract. Except as above, neither the City nor the Consultant shall assign, sublet, encumber, convey or transfer its interest in this Contract without prior written consent of the other. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of the City, which may be a party hereto, nor shall it be construed as giving any rights or benefits hereunder to anyone other than the City and the Consultant.

ARTICLE 13 – REMEDIES

The laws of the State of Florida shall govern this Contract. Any and all legal action between the parties arising out of the Contract will be held in Broward County. No remedy herein conferred upon any party is intended to be exclusive of any other remedy, and each and every such remedy shall be cumulative and shall be in addition to every other remedy given hereunder or now or hereafter existing at law or in equity or by statute or otherwise. No single or partial exercise by any party of any right, power or remedy hereunder shall preclude any other or further exercise thereof.

ARTICLE 14 – CONFLICT OF INTEREST

The Consultant represents that it has no interest and shall acquire no interest, either direct or indirect, which would conflict in any manner with the performance of services required hereunder, as provided for in the Code of Ethics for Public Officers and Employees (Chapter 112, Part III, Florida Statutes). The Consultant further represents that no person having any interest shall be employed for said performance.

The Consultant shall promptly notify the City's representative, in writing, by certified mail, of a potential conflict(s) of interest for any prospective business association, interest or other circumstance, which may influence or appear to influence the Consultant's judgment or quality of services being provided hereunder. Such written notification shall identify the prospective business association, interest or circumstance, the nature of work that the Consultant may undertake and request an opinion of the City as to whether the association, interest or circumstance would, in the opinion of the City, constitute a conflict of interest if entered into by the Consultant. The City agrees to notify the Consultant of its opinion by certified mail within thirty (30) days of receipt of notice by the Consultant. If, in the opinion of the City, the prospective business association, interest, or circumstance would not constitute a conflict of interest by the Consultant, the City shall so state in the notice and the Consultant shall at its option, enter into said association, interest or circumstance and it shall be deemed not a conflict of interest with respect to services provided to the City by the Consultant under the terms of this Contract.

ARTICLE 15 – EXCUSABLE DELAYS

The Consultant shall not be considered in default by reason of any failure in performance if such failure arises out of causes reasonably beyond the control of the Consultant or its subcontractors and without their fault or negligence. Such causes include, but are not limited to, acts of God; natural or public health emergencies; freight embargoes; and abnormally severe and unusual weather conditions.

Upon the Consultant's request, the City shall consider the facts and extent of any failure to perform the work and, if the Consultant's failure to perform was without it, or its subcontractors fault or negligence, the Contract Schedule and/or any other affected provision of this Contract shall be revised accordingly; subject to the City's rights to change, terminate, or stop any or all of the work at any time.

ARTICLE 16 – DEBT

The Consultant shall not pledge the City's credit or attempt to make it a guarantor of payment or surety for any contract, debt, obligation, judgment, lien or any form of indebtedness. The Consultant further warrants and represents that it has no obligation or indebtedness that would impair its ability to fulfill the terms of this Contract.

ARTICLE 17 – DISCLOSURE AND OWNERSHIP OF DOCUMENTS

The Consultant shall deliver to the City's representatives for approval and acceptance, and before being eligible for final payment of any amounts due, all documents and materials prepared by and for the City under this Contract.

All written and oral information not in the public domain or not previously known, and all information and data obtained, developed, or supplied by the City or at its expense will be kept confidential by the Consultant and will not be disclosed to any other party, directly or indirectly, without the City's prior written consent unless required by a lawful order. All drawings, maps, sketches, programs, data base, reports and other data developed, or purchased, under this Contract for or at the City's expense shall be and remain the City's property and may be reproduced and reused at the discretion of the City.

A. The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Consultant shall comply with Florida's Public Records Law, as amended. Specifically, the Consultant shall:

1. Keep and maintain public records required by the City in order to perform the service.
2. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law.

3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Consultant does not transfer the records to the City.

4. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Consultant, or keep and maintain public records required by the City to perform the service. If the Consultant transfers all public records to the City upon completion of the contract, the Consultant shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Consultant keeps and maintains public records upon completion of the contract, the Consultant shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.

B. Failure of the Consultant to provide the above described public records to the City within a reasonable time may subject Consultant to penalties under 119.10, Florida Statutes, as amended.

PUBLIC RECORDS CUSTODIAN

IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

**CITY CLERK
100 W. Atlantic Blvd., Suite 253
Pompano Beach, Florida 33060
(954) 786-4611
RecordsCustodian@copbfl.com**

All covenants, agreements, representations and warranties made herein, or otherwise made in writing by any party pursuant hereto, including but not limited to any representations made herein relating to disclosure or ownership of documents, shall survive the execution and delivery of this Contract and the consummation of the transactions contemplated thereby.

ARTICLE 18 – CONTINGENT FEES

The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Contract and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Consultant, any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of this Contract. Violation of this Article shall constitute a forfeiture of this Contract by Consultant.

ARTICLE 19 – ACCESS AND AUDITS

The Consultant shall maintain adequate records to justify all charges, expenses, and cost incurred in estimating and performing the work for at least three (3) years after completion of this Contract. The City shall have access to such books, records and documents as required in this section for the purpose of inspection or audit during normal business hours, at the Consultant's place of business.

ARTICLE 20 – NONDISCRIMINATION

The Consultant warrants and represents that all of its employees are treated equally during employment without regard to race, color, religion, disability, sex, age, national origin, ancestry, marital status and sexual orientation.

ARTICLE 21 – INTERPRETATION

The language of this Contract has been agreed to by both parties to express their mutual intent and no rule of strict construction shall be applied to either party hereto. The headings are for reference purposes only and shall not affect in any way the meaning or interpretation of this Contract. All personal pronouns used in this Contract shall include the other gender, and the singular, the plural, and vice versa, unless the context otherwise requires.

ARTICLE 22 – AUTHORITY TO PRACTICE

The Consultant hereby represents and warrants that it has and will continue to maintain all licenses and approvals required conducting its business, and that it will at all times conduct its business activities in a reputable manner. Proof of such licenses and approvals shall be submitted to the City's representative upon request.

ARTICLE 23 – SEVERABILITY

If any term or provision of this Contract, or the application thereof to any person or circumstances shall, to any extent be held invalid or unenforceable, to remainder of this Contract, or the application of such terms or provision, to persons or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected, and every other term and provision of this Contract shall be deemed valid and enforceable to the extent permitted by law.

ARTICLE 24 – ENTIRETY OF CONTRACTUAL AGREEMENT

The City and the Consultant agree that this Contract, together with the Exhibits hereto, sets forth the entire agreement between the parties, and that there are no promises or understandings other than those stated herein. It is further agreed that no modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed with the same formality and off equal dignity herewith. None of the provisions, terms and conditions contained in this Contract may be added to, modified, superseded or otherwise altered, except by written instrument executed by the parties hereto in accordance with Article 25 – Modification of Work. In the event of any conflict or inconsistency between this Contract and the provisions in the incorporated Exhibits, the terms of this Contract shall supersede and prevail over the terms in the Exhibits.

ARTICLE 25 – MODIFICATION OF SCOPE OF WORK

The City reserves the right to make changes in the Scope of Work, including alterations, reductions therein or additions thereto. Upon receipt by the Consultant of the City's notification of a contemplated change, the Consultant shall, in writing: (1) provide a detailed estimate for the increase or decrease in cost due to the contemplated change; (2) notify the City of any estimated change in the completion date; and (3) advise the City if the contemplated change shall affect the Consultant's ability to meet the completion dates or schedules of this Contract.

If the City so instructs in writing, the Consultant shall suspend work on that portion of the Scope of Work affected by a contemplated change, pending the City's decision to proceed with the change.

If the City elects to make the change, the City shall initiate a Work Authorization Amendment and the Consultant shall not commence work on any such change until such written amendment is signed by the Consultant and the City Manager, and if such amendment is in excess of \$75,000, it must also first be approved by the City Commission and signed by the appropriate City Official authorized by the City Commission

The City shall not be liable for payment of any additional or modified work, which is not authorized in the manner provided for by this Article.

ARTICLE 26 – NOTICE

All notices required in this Contract shall be sent by certified mail, return receipt requested, to the following:

FOR CITY:

City Manager
City of Pompano Beach
Post Office Drawer 1300
Pompano Beach, Florida 33061

FOR CONSULTANT:

Rebecca Travis, P.E., Executive Vice President
Baxter & Woodman, Inc.
477 S. Rosemary Avenue, Suite 330
West Palm Beach, Florida 33401

ARTICLE 27 – OWNERSHIP OF DOCUMENTS

All finished or unfinished documents, data, reports, studies, surveys, drawings, maps, models and photographs prepared or provided by the Consultant in connection with this Contract shall become property of the City, whether the project for which they are made is completed or not, and shall be delivered by Consultant to City within ten (10) days of notice of termination. If applicable, City may withhold any payments then due to Consultant until Consultant complies with the provisions of this section.

ARTICLE 28 – PROMOTING PROJECT OBJECTIVES

Consultant, its employees, subcontractors, and agents shall refrain from acting adverse to the City’s interest in promoting the goals and objectives of the projects. Consultant shall take all reasonable measures necessary to effectuate these assurances. In the event Consultant determines it is unable to meet or promote the goals and objectives of the projects, it shall immediately notify the City and the City, may then in its discretion, terminate this Contract.

ARTICLE 29 – PUBLIC ENTITY CRIMES ACT

As of the full execution of this Contract, Consultant certifies that in accordance with §287.133, Florida Statutes, it is not on the Convicted Vendors List maintained by the State of Florida, Department of General Services. If Consultant is subsequently listed on the Convicted Vendors List during the term of this Contract, Consultant agrees it shall immediately provide City written notice of such designation in accordance with Article 26 above.

ARTICLE 30 – GOVERNING LAW

This Contract must be interpreted and construed in accordance with and governed by the laws of the State of Florida. The exclusive venue for any lawsuit arising from, related to, or in connection with this Agreement will be in the state courts of the Seventeenth Judicial Circuit in and for Broward County, Florida. If any claim arising from, related to, or in connection with this Agreement must be litigated in federal court, the exclusive venue for any such lawsuit will be in the United States District Court or United States Bankruptcy Court for the Southern District of Florida. BY ENTERING INTO THIS AGREEMENT, THE PARTIES HEREBY EXPRESSLY WAIVE ANY RIGHTS EITHER PARTY MAY HAVE TO A TRIAL BY JURY OF ANY CIVIL LITIGATION RELATED TO THIS AGREEMENT.

ARTICLE 31 - BINDING EFFECT

The benefits and obligations imposed pursuant to this Contract shall be binding and enforceable by and against the parties hereto.

THE REMAINDER OF THE PAGE IS INTENTIONALLY LEFT BLANK

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year hereinabove written.

Attest:

CITY OF POMPANO BEACH

ASCELETA HAMMOND, CITY CLERK

By: _____
REX HARDIN, MAYOR

(SEAL)

By: _____
GREGORY P. HARRISON, CITY MANAGER

APPROVED AS TO FORM:

MARK E. BERMAN, CITY ATTORNEY

“CONSULTANT”

BAXTER & WOODMAN, INC.

Witnesses:

David Pham
Signature

DAVID PHAM
Name Typed, Printed or Stamped

By: *Mary Rebecca Travis*
Mary Rebecca Travis, Executive Vice President

Howard L. Nesib
Signature

HOWARD L. NESIB
Name Type, Printed or Stamped

STATE OF FLORIDA

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me, by means of physical presence or online notarization, this 12 day of January, 2021, by Mary Rebecca Travis, as Executive Vice President of Baxter & Woodman, Inc., an Illinois corporation authorized to do business in Florida, on behalf of the corporation. She is personally known to me or who has produced _____ (type of identification) as identification.

NOTARY'S SEAL:



Courtney Marshall
NOTARY PUBLIC, STATE OF FLORIDA

Courtney Marshall
(Name of Acknowledger Typed, Printed or Stamped)

GG 960443
Commission Number



Florida's Warmest Welcome

**CITY OF POMPANO BEACH
REQUEST FOR LETTERS OF INTEREST
E-20-20**

**CONTINUING CONTRACT FOR CIVIL ENGINEERING
SERVICES FOR VARIOUS CITY PROJECTS**

**RLI OPENING: July 30, 2020 2:00 P.M.
VIRTUAL ZOOM MEETING**

June 30, 2020

CITY OF POMPANO BEACH, FLORIDA
REQUEST FOR LETTERS OF INTEREST
E-20-20

CONTINUING CONTRACT FOR CIVIL ENGINEERING SERVICES FOR VARIOUS CITY
PROJECTS

Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act" the City of Pompano Beach and the Pompano Beach Community Redevelopment Association (CRA) invite professional firms to submit qualifications and experience for consideration to provide construction engineering inspection (CEI) services to the City and the CRA on a continuing as-needed basis.

The City will receive sealed proposals until **2:00 p.m. (local), July 30, 2020**. Proposals must be submitted electronically through the eBid System on or before the due date/time stated above. Any proposal received after the due date and time specified, will not be considered. Any uncertainty regarding the time a proposal is received will be resolved against the Proposer.

Proposer must be registered on the City's eBid System in order to view the solicitation documents and respond to this solicitation. The complete solicitation document can be downloaded for free from the eBid System as a pdf at: <https://pompanobeachfl.ionwave.net>. The City is not responsible for the accuracy or completeness of any documentation the Proposer receives from any source other than from the eBid System. Proposer is solely responsible for downloading all required documents. A list of proposers will be read aloud in a public forum.

Introduction

The City of Pompano Beach is seeking qualified civil engineering firms to work on various projects for City and the CRA. The projects range in magnitude from small-scale to large or specialized designs.

The types of projects to be undertaken may include, but are not limited to:

- The City's approved Capital Improvement Plan (CIP) maybe found here: [Adopted Capital Improvement Plan FY 2020-2024](#)
- Roadway, Streetscape or Parking Lot projects.
- Water or Reuse Main projects.
- Gravity Sewer Main projects.
- Force Main projects.
- Lift station/pump station rehabilitation projects.
- Parks and Recreational Facilities.
- Seawall and dock construction and repair.
- Storm Water/Drainage Improvement projects
- Consultation for Emergency Water/Wastewater/Stormwater Repairs.
- Inspection Services for Emergency Water/Wastewater/Stormwater Repairs.
- Canal and lake dredging.

- Grant reimbursement, FAA and FDOT support and compliance.
- SRF support and Davis Bacon Wage Reporting requirements
- Support Services for Remediation
- Demolition Projects

A. Scope of Services

The City intends to issue multiple contracts to civil engineering firms to provide continuing professional services to the City and the CRA for various projects as-needed. Professional services under this contract will be restricted to those required for any project for which construction costs will not exceed \$4 million, and for any study activity for which fees will not exceed \$500,000.00.

The scope of services may include, but is not limited to, the following:

- Prepare preliminary design reports and/or design alternative recommendations. This may include various types of utility modeling, surveying, and field data analysis.
- Prepare all required bidding/construction documents for projects. This may include the preparation of surveys, design plans and construction documents, technical specifications, and cost estimates. Attendance at required pre-design, design, bidding and bid award meeting may also be required.
- Attend pre-bid conference, prepare possible bid addenda for contract document revisions. Assist in making bid award recommendations for contracting/construction services.
- Prepare all required permit applications and submittal packages as required for permit issuance of all agency permits (i.e. Federal, State, County and City).
- Provide construction engineering/management/administration services for projects. Services during construction may include shop drawing/contractor submittal reviews and approvals, inspection and approval of project improvements, certification of projects for various permitting entities, possible field revisions, and review and approval of contractor pay applications.
- Provide project close-out services. This may include preliminary and final acceptance of projects, preparation and approval of punch list items and project certification as required to all permitting agencies.

Firms must have previous municipal experience and must be licensed to practice **Civil Engineering services** in the State of Florida, Florida State Statute 481, by the Board of Professional Regulation.

B. Task/Deliverables

Tasks and deliverables will be determined per project. Each project shall require a signed Work Authorization (WA) form from the awarded firm to be provided to the City or the CRA. Forms shall be completed in its entirety and include the agreed upon scope, tasks, schedule, cost, and deliverables for the project. Consultant will be required to provide all applicable insurance requirements.

C. Term of Contract

The Term of this Contract shall be for an initial period of five (5) years from the date of execution by both the City and the Consultant.

D. Project Web Requirements:

1. This project will utilize e-Builder Enterprise™, a web-based project management tool. This web-based application is a collaboration tool, which will allow all project team members continuous access through the Internet to important project data as well as up to the minute decision and approval status information.

e-Builder Enterprise™ is a comprehensive Project and Program Management system that the City will use to manage all project documents, communications and costs between the Lead Consultant, Sub-Consultants, Design Consultants, Contractor and Owner. e-Builder Enterprise™ includes extensive reporting capabilities to facilitate detailed project reporting in a web-based environment that is accessible to all parties and easy to use. Training will be provided for all consultants selected to provide services for the City of Pompano Beach.

2. Lead and Sub-Consultants shall conduct project controls outlined by the Owner, Project Manager, and/or Construction Manager, utilizing e-Builder Enterprise™. **The designated web-based application license(s) shall be provided by the City to the Prime Consultant and Sub-Consultants.** No additional software will be required.

Lead Consultant and Sub-Consultants shall have the responsibility for logging in to the project web site on a daily basis, and as necessary to be kept fully apprised of project developments and required action items. , These may include but are not limited to: Contracts, Contract Exhibits, Contract Amendments, Drawing Issuances, Addenda, Bulletins, Permits, Insurance & Bonds, Safety Program Procedures, Safety Notices, Accident Reports, Personnel Injury Reports, Schedules, Site Logistics, Progress Reports, Correspondence, Daily Logs, Non-Conformance Notices, Quality Control Notices, Punch Lists, Meeting Minutes, Requests for Information, Submittal Packages, Substitution Requests, Monthly Payment Request Applications, Supplemental Instructions, Owner Change Directives, Potential Change Orders, Change Order Requests, Change Orders and the like. All supporting data including but not limited to shop drawings, product data sheets, manufacturer data sheets and instructions, method statements, safety SDS sheets, Substitution Requests and the like will be submitted in digital format via e-Builder Enterprise™.

E. Local Business Program

On March 13, 2018, the City Commission approved Ordinance 2018-46, establishing a Local Business Program, a policy to increase the participation of City of Pompano Beach businesses in the City's procurement process.

For purposes of this solicitation, "Local Business" will be defined as follows:

1. **TIER 1 LOCAL VENDOR.** POMPANO BEACH BUSINESS EMPLOYING POMPANO BEACH RESIDENTS. A business entity which has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least ten percent who are residents of the City of Pompano Beach or includes

- subcontracting commitments to Local Vendors Subcontractors for at least ten percent of the contract value. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the City of Pompano Beach for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.
2. **TIER 2 LOCAL VENDOR. BROWARD COUNTY BUSINESS EMPLOYING POMPANO BEACH RESIDENTS OR UTILIZING LOCAL VENDOR SUBCONTRACTORS.** A business entity which has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach or includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the respective Broward County municipality for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.
 3. **LOCAL VENDOR SUBCONTRACTOR. POMPANO BEACH BUSINESS.** A business entity which has maintained a permanent place of business within the city limits of the City of Pompano Beach. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the City of Pompano Beach for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.

You can view the list of City businesses that have a current Business Tax Receipt on the City's website, and locate local firms that are available to perform the work required by the bid specifications. The business information, sorted by business use classification, is posted on the webpage for the Business Tax Receipt Division: www.pompanobeachfl.gov by selecting the Pompano Beach Business Directory in the Shop Pompano! section.

The City of Pompano Beach is **strongly committed** to insuring the participation of City of Pompano Beach Businesses as contractors and subcontractors for the procurement of goods and services, including labor, materials and equipment. Proposers are required to participate in the City of Pompano Beach's Local Business Program by including, as part of their package, the Local Business Participation Form (Exhibit A,) listing the local businesses that will be used on the contract, and the Letter of Intent Form (Exhibit B) from each local business that will participate in the contract.

Please note that, while no goals have been established for this solicitation, the City encourages Local Business participation in *all* of its procurements.

If a Prime Contractor/Vendor is not able to achieve the level of goal attainment of the contract, the Prime Vendor will be requested to demonstrate and document that good faith efforts were made to achieve the goal by providing the Local Business Unavailability Form (Exhibit C), listing firms that were contacted but not available, and the Good Faith Effort Report (Exhibit D), describing the efforts made to include local business participation in the contract. This documentation shall be provided to the City Commission for acceptance.

The awarded proposer will be required to submit "Local Business Subcontractor Utilization Reports" during projects and after projects have been completed. The reports will be submitted to the assigned City project manager of the project. The Local Business Subcontractor Utilization Report template and instructions have been included in the bid document.

Failure to meet Local Vendor Goal commitments will result in "unsatisfactory" compliance rating. Unsatisfactory ratings may impact award of future projects if a sanction is imposed by the City Commission.

The city shall award a Local Vendor preference based upon vendors, contractors, or subcontractors who are local with a preferences follows:

1. For evaluation purposes, the Tier 1 and Tier 2 businesses shall be a criterion for award in this Solicitation. No business may qualify for more than one tier level.
2. For evaluation purposes, local vendors shall receive the following preferences:
 - a. Tier 1 business as defined by this subsection shall be granted a preference in the amount of five percent of total score.
 - b. Tier 2 business as defined by this subsection shall be granted a preference in the amount of two and one-half percent of total score.
3. It is the responsibility of the awarded vendor/contractor to comply with all Tier 1 and Tier 2 guidelines. The awarded vendor/contractor must ensure that all requirements are met before execution of a contract.

F. Required Proposal Submittal

Sealed proposals shall be submitted electronically through the eBid System on or before the due date/time stated above. Proposer shall upload response as one (1) file to the eBid System. The file size for uploads is limited to 250 MB. If the file size exceeds 10 MB the response must be split and uploaded as two (2) separate files.

Information to be included in the proposal: In order to maintain comparability and expedite the review process, it is required that proposals be organized in the manner specified below, with the sections clearly labeled:

Title page:

Show the project name and number, the name of the Proposer's firm, address, telephone number, name of contact person and the date.

Table of Contents:

Include a clear identification of the material by section and by page.

Letter of Transmittal:

Briefly state the Proposer's understanding of the project and express a positive commitment to provide the services described herein. State the name(s) of the person(s) who will be authorized to make representations for the Proposer, their title(s), office and E-mail addresses and telephone numbers. Please limit this section to two pages.

Technical Approach:

Firms or teams shall submit their technical approach to the tasks described in the scope, including details of how each phase of the project would be completed, and how their firm proposes to maintain time schedules and cost controls.

Schedule:

Proposer shall provide a timeline that highlights proposed tasks that will meet all applicable deadlines.

References:

References for past projects in the tri-county area (Broward, Palm Beach, and Miami-Dade.) Describe the scope of each project in physical terms and by cost, describe the respondent's responsibilities, and provide the contact information (name, email, telephone number) of an individual in a position of responsibility who can attest to respondent's activities in relation to the project.

List any prior projects performed for the City of Pompano Beach.

Project Team Form:

Submit a completed "Project Team" form. The purpose of this form is to identify the key members of your team, including any specialty subconsultants.

Organizational Chart:

Specifically identify the management plan (if needed) and provide an organizational chart for the team. The proposer must describe at a minimum, the basic approach to these projects, to include reporting hierarchy of staff and sub-consultants, clarify the individual(s) responsible for the co-ordination of separate components of the scope of services.

Statement of Skills and Experience of Project Team:

Describe the experience of the entire project team as it relates to the types of projects described in the Scope section of this solicitation. Include the experience of the prime consultants as well as other members of the project team; i.e., additional personnel, sub-consultants, branch office, team members, and other resources anticipated to be utilized for this project. Name specific projects (successfully completed within the past five years) where the team members have performed similar projects previously.

Resumes of Key Personnel

Include resumes for key personnel for prime and subconsultants.

Office Locations:

Identify the location of the office from which services will be rendered, and the number of professional and administrative staff at the prime office location. Also identify the location

of office(s) of the prime and/or sub consultants that may be utilized to support any or all of the professional services listed above and the number of professional and administrative staff at the prime office location.

If firms are situated outside the local area, (Broward, Palm Beach, and Miami-Dade counties) include a brief statement as to whether or not the firm will arrange for a local office during the term of the contract, if necessary.

Local Businesses:

Completed Local Business program forms, Exhibits A-D.

NOTE: Form B must be signed by a representative of the subcontractor, NOT of the Prime.

Litigation:

Disclose any litigation within the past five (5) years arising out your firm's performance, including status/outcome.

City Forms:

The Proposer Information Page Form and any other required forms must be completed and submitted electronically through the City's eBid System. The City reserves the right to request additional information to ensure the proposer is financially solvent and has sufficient financial resources to perform the contract and shall provide proof thereof of its financial solvency. The City may as at its sole discretion ask for additional proof of financial solvency, including additional documents post proposal opening, and prior to evaluation that demonstrates the Proposer's ability to perform the resulting contract and provide the required materials and/or services.

Reviewed and Audited Financial Statements:

Proposers shall be financially solvent and appropriately capitalized to be able to service the City for the duration of the contract. Proposers shall provide a complete financial statement of the firm's most recent audited financial statements, indicating organization's financial condition. Must be uploaded to the Response Attachments tab in the eBid System as a separate file titled "Financial Statements" and marked "CONFIDENTIAL."

Financial statements provided shall not be older than twelve (12) months prior to the date of filing this solicitation response. The financial statements are to be reviewed and submitted with any accompanying notes and supplemental information. The City of Pompano Beach reserve the right to reject financial statements in which the financial condition shown is of a date twelve (12) months or more prior to the date of submittals.

The City is a public agency subject to Chapter 119, Florida's Public Records Law and is required to provide the public with access to public records, however, financial statements that are required as submittals to prequalify for a solicitation will be exempt from public disclosure.

The City reserves the right to request additional information to ensure the proposer is financially solvent and has sufficient financial resources to perform the contract and shall provide proof thereof of its financial solvency. The City may as at its sole discretion ask for additional proof of financial solvency, including additional documents post proposal opening, and prior to evaluation that demonstrates the Proposer's ability to perform the resulting contract and provide the required materials and/or services.

A combination of two (2) or more of the following may substitute for audited financial statements:

- 1) Bank letters/statements for the past 3 months
- 2) Balance sheet, profit and loss statement, cash flow report
- 3) IRS returns for the last 2 years
- 4) Letter from CPA showing profits and loss statements (certified)

G. Insurance

CONTRACTOR shall not commence services under the terms of this Agreement until certification or proof of insurance detailing terms and provisions has been received and approved in writing by the CITY's Risk Manager. If you are responding to a bid and have questions regarding the insurance requirements hereunder, please contact the CITY's Purchasing Department at (954) 786-4098. If the contract has already been awarded, please direct any queries and proof of the requisite insurance coverage to CITY staff responsible for oversight of the subject project/contract.

CONTRACTOR is responsible to deliver to the CITY for timely review and written approval/disapproval Certificates of Insurance which evidence that all insurance required hereunder is in full force and effect and which name on a primary basis, the CITY as an additional insured on all such coverage.

Throughout the term of this Agreement, CITY, by and through its Risk Manager, reserve the right to review, modify, reject or accept any insurance policies required by this Agreement, including limits, coverages or endorsements. CITY reserves the right, but not the obligation, to review and reject any insurer providing coverage because of poor financial condition or failure to operate legally.

Failure to maintain the required insurance shall be considered an event of default. The requirements herein, as well as CITY's review or acceptance of insurance maintained by CONTRACTOR, are not intended to and shall not in any way limit or qualify the liabilities and obligations assumed by CONTRACTOR under this Agreement.

Throughout the term of this Agreement, CONTRACTOR and all subcontractors or other agents hereunder, shall, at their sole expense, maintain in full force and effect, the following insurance coverages and limits described herein, including endorsements.

1. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440. CONTRACTOR further agrees to be responsible for employment, control and conduct of its employees and for any injury sustained by such employees in the course of their employment.

2. Liability Insurance.

- (a) Naming the City of Pompano Beach as an additional insured as CITY's interests may appear, on General Liability Insurance only, relative to claims which arise from CONTRACTOR's negligent acts or omissions in connection with Contractor's performance under this Agreement.

(b) Such Liability insurance shall include the following checked types of insurance and indicated minimum policy limits.

Type of Insurance	Limits of Liability	
GENERAL LIABILITY:	Minimum \$1,000,000 Per Occurrence and \$2,000,000 Per Aggregate	
* Policy to be written on a claims incurred basis		
XX comprehensive form	bodily injury and property damage	
XX premises - operations explosion & collapse	bodily injury and property damage	
— hazard		
— underground hazard		
XX products/completed operations hazard	bodily injury and property damage combined	
XX contractual insurance	bodily injury and property damage combined	
XX broad form property damage	bodily injury and property damage combined	
XX independent contractors	personal injury	
XX personal injury		
— sexual abuse/molestation	Minimum \$1,000,000 Per Occurrence and Aggregate	
— liquor legal liability	Minimum \$1,000,000 Per Occurrence and Aggregate	

AUTOMOBILE LIABILITY:	Minimum \$1,000,000 Per Occurrence and Aggregate. Bodily injury (each person) bodily injury (each accident), Property damage, bodily injury and property damage combined.	
XX comprehensive form		
XX owned		
XX hired		
XX non-owned		

REAL & PERSONAL PROPERTY		
— comprehensive form	Agent must show proof they have this coverage.	

EXCESS LIABILITY		Per Occurrence Aggregate
— other than umbrella	bodily injury and property damage combined	\$1,000,000 \$1,000,000

PROFESSIONAL LIABILITY		Per Occurrence Aggregate
XX * Policy to be written on a claims made basis		\$1,000,000 \$1,000,000

(c) If Professional Liability insurance is required, Contractor agrees the indemnification and hold harmless provisions set forth in the Agreement shall survive the

termination or expiration of the Agreement for a period of four (4) years unless terminated sooner by the applicable statute of limitations.

CYBER LIABILITY

Per Occurrence Aggregate

___	* Policy to be written on a claims made basis	\$1,000,000	\$1,000,000
___	Network Security / Privacy Liability		
___	Breach Response / Notification Sublimit (minimum limit of 50% of policy aggregate)		
___	Technology Products E&O - \$1,000,000 (only applicable for vendors supplying technology related services and or products)		
___	Coverage shall be maintained in effect during the period of the Agreement and for not less than four (4) years after termination/ completion of the Agreement.		

3. Employer's Liability. If required by law, CONTRACTOR and all subcontractors shall, for the benefit of their employees, provide, carry, maintain and pay for Employer's Liability Insurance in the minimum amount of One Hundred Thousand Dollars (\$100,000.00) per employee, Five Hundred Thousand Dollars (\$500,000) per aggregate.

4. Policies: Whenever, under the provisions of this Agreement, insurance is required of the CONTRACTOR, the CONTRACTOR shall promptly provide the following:

- (a) Certificates of Insurance evidencing the required coverage;
- (b) Names and addresses of companies providing coverage;
- (c) Effective and expiration dates of policies; and

(d) A provision in all policies affording CITY thirty (30) days written notice by a carrier of any cancellation or material change in any policy.

5. Insurance Cancellation or Modification. Should any of the required insurance policies be canceled before the expiration date, or modified or substantially modified, the issuing company shall provide thirty (30) days written notice to the CITY.

6. Waiver of Subrogation. CONTRACTOR hereby waives any and all right of subrogation against the CITY, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement to waive subrogation without an endorsement, then CONTRACTOR shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy which includes a condition to the policy not specifically prohibiting such an endorsement, or voids coverage should CONTRACTOR enter into such an agreement on a pre-loss basis.

H. Selection/Evaluation Process

A Selection/Evaluation Committee will be appointed to select the most qualified firm(s). The Selection/Evaluation Committee will present their findings to the City Commission.

Proposals will be evaluated using the following criteria.

Line	Criteria	Point Range
1	Prior experience of the firm with projects of similar size and complexity: a. Number of similar projects b. Complexity of similar projects c. References from past projects performed by the firm d. Previous projects performed for the City (provide description) e. Litigation within the past 5 years arising out of firm's performance (list, describe outcome)	0-15
2	Qualifications of personnel including sub consultants: a. Organizational chart for project b. Number of technical staff c. Qualifications of technical staff: (1) Number of licensed staff (2) Education of staff (3) Experience of staff on similar projects	0-15
3	Proximity of the nearest office to the project location: a. Location b. Number of staff at the nearest office	0-15
4	Current and Projected Workload Rating is to reflect the workload (both current and projected) of the firm, staff assigned, and the percentage availability of the staff member assigned. Respondents which fail to note both existing and projected workload conditions and percentage of availability of staff assigned shall receive zero (0) points	0-15
5	Demonstrated Prior Ability to Complete Project on Time Respondents will be evaluated on information provided regarding the firm's experience in the successful completion and steadfast conformance to similar project schedules. Provide an example of successful approaches utilized to achieve a timely project completion. Respondents who demonstrate the ability to complete projects on time shall receive more points.	0-15
6	Demonstrated Prior Ability to Complete Project on Budget	0-15

Proposers will be evaluated on their ability to adhere to initial design budgets. Examples provided should show a comparison between initial negotiated task costs and final completion costs. Respondents should explain in detail any budgetary overruns due to scope modifications. Respondents which fail to provide schedule and budget information as requested will receive zero (0) points.

7 Is the firm a certified minority business enterprise as defined by the Florida Small and Minority Business Assistance Act of 1985? (Certification of any sub-contractors should also be included with the response.) 0-10

Additional 0-5% for Tier1/Tier2 Local Business will be calculated on combined scoring totals of each company.

NOTE:

Financial statements that are required as submittals to prequalify for a solicitation will be exempt from public disclosure; however, financial statements submitted to prequalify for a solicitation, and are not required by the City, may be subject to public disclosure.

Value of Work Previously Awarded to Firm (Tie-breaker) - In the event of a tie, the firm with the lowest value of work as a prime contractor on City of Pompano Beach projects within the last five years will receive the higher ranking, the firm with the next lowest value of work shall receive the next highest ranking, and so on. The analysis of past work will be based on the City's Purchase Order and payment records.

The Committee has the option to use the above criteria for the initial ranking to short-list Proposers and to use an ordinal ranking system to score short-listed Proposers following presentations (if deemed necessary) with a score of "1" assigned to the short-listed Proposer deemed most qualified by the Committee.

Each firm should submit documentation that evidences the firm's capability to provide the services required for the Committee's review for short listing purposes. After an initial review of the Proposals, the City may invite Proposers for an interview to discuss the proposal and meet firm representatives, particularly key personnel who would be assigned to the project. Should interviews be deemed necessary, it is understood that the City shall incur no costs as a result of this interview, nor bear any obligation in further consideration of the submittal.

When more than three responses are received, the committee shall furnish the City Commission (for their approval) a listing, in ranked order, of no fewer than three firms deemed to be the most highly qualified to perform the service. If three or less firms respond to the Solicitation, the list will contain the ranking of all responses.

The City Commission has the authority to (including, but not limited to); approve the recommendation; reject the recommendation and direct staff to re-advertise the solicitation; or, review the responses themselves and/or request oral presentations and determine a ranking order that may be the same or different from what was originally presented to the City Commission.

Value of Work Previously Awarded to Firm (Tie-breaker) - In the event of a tie, the firm with the lowest value of work as a prime contractor on City of Pompano Beach projects within the last five years will receive the higher ranking, the firm with the next lowest value of work shall receive the next highest ranking, and so on. The analysis of past work will be based on the City's Purchase Order and payment records.

I. Hold Harmless and Indemnification

Proposer covenants and agrees that it will indemnify and hold harmless the City and all of its officers, agents, and employees from any claim, loss, damage, cost, charge or expense arising out of any act, action, neglect or omission by the Proposer, whether direct or indirect, or whether to any person or property to which the City or said parties may be subject, except that neither the Proposer nor any of its subcontractors will be liable under this section for damages arising out of injury or damage to persons or property directly caused by or resulting from the sole negligence of the City or any of its officers, agents or employees.

J. Right to Audit

Contractor's records which shall include but not be limited to accounting records, written policies and procedures, computer records, disks and software, videos, photographs, subcontract files (including proposals of successful and unsuccessful bidders), originals estimates, estimating worksheets, correspondence, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to this contract (all the foregoing hereinafter referred to as "records") shall be open to inspection and subject to audit and/or reproduction, during normal working hours, by Owner's agent or its authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the contractor or any of his payees pursuant to the execution of the contract. Such records subject to examination shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with this contract.

For the purpose of such audits, inspections, examinations and evaluations, the Owner's agent or authorized representative shall have access to said records from the effective date of this contract, for the duration of the Work, and until 5 years after the date of final payment by Owner to Consultant pursuant to this contract.

Owner's agent or its authorized representative shall have access to the Contractor's facilities, shall have access to all necessary records, and shall be provided adequate and appropriate work space, in order to conduct audits in compliance with this article. Owner's agent or its authorized representative shall give auditees reasonable advance notice of intended audits.

Contractor shall require all subcontractors, insurance agents, and material suppliers (payees) to comply with the provisions of this article by insertion of the requirements hereof in any written contract agreement. Failure to obtain such written contracts which include such provisions shall be reason to exclude some or all of the related payees' costs from amounts payable to the Contractor pursuant to this contract.

K. Retention of Records and Right to Access

The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Contractor shall comply with Florida's Public Records Law, as amended. Specifically, the Contractor shall:

1. Keep and maintain public records required by the City in order to perform the service;
2. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law;
3. Ensure that public records that are exempt or that are confidential and exempt from public record requirements are not disclosed except as authorized by law;
4. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the City; and
5. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Contractor, or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.

L. Communications

No negotiations, decisions, or actions shall be initiated or executed by the firm as a result of any discussions with any City employee. Only those communications, which are in writing from the City, may be considered as a duly authorized expression on behalf of the City. In addition, only communications from firms that are signed and in writing will be recognized by the City as duly authorized expressions on behalf of firms.

M. No Discrimination

There shall be no discrimination as to race, sex, color, age, religion, or national origin in the operations conducted under any contract with the City.

N. Independent Contractor

The selected firm will conduct business as an independent contractor under the terms of this contract. Personnel services provided by the firm shall be by employees of the firm and subject to supervision by the firm, and not as officers, employees, or agents of the City. Personnel policies, tax responsibilities, social security and health insurance,

employee benefits, purchasing policies and other similar administrative procedures applicable to services rendered under this agreement shall be those of the firm.

O. Staff Assignment

The City of Pompano Beach reserves the right to approve or reject, for any reasons, Proposer's staff assigned to this project at any time. Background checks may be required.

P. Contract Terms

The contract resulting from this Solicitation shall include, but not be limited to the following terms:

The contract shall include as a minimum, the entirety of this Solicitation document, together with the successful Proposer's proposal. Contract shall be prepared by the City of Pompano Beach City Attorney.

If the City of Pompano Beach defends any claim, demand, cause of action, or lawsuit arising out of any act, action, negligent acts or negligent omissions, or willful misconduct of the contractor, its employees, agents or servants during the performance of the contract, whether directly or indirectly, contractor agrees to reimburse the City of Pompano Beach for all expenses, attorney's fees, and court costs incurred in defending such claim, cause of action or lawsuit.

Q. Waiver

It is agreed that no waiver or modification of the contract resulting from this Solicitation, or of any covenant, condition or limitation contained in it shall be valid unless it is in writing and duly executed by the party to be charged with it, and that no evidence of any waiver or modification shall be offered or received in evidence in any proceeding, arbitration, or litigation between the parties arising out of or affecting this contract, or the right or obligations of any party under it, unless such waiver or modification is in writing, duly executed as above. The parties agree that the provisions of this paragraph may not be waived except by a duly executed writing.

R. Survivorship Rights

This contract resulting from this Solicitation shall be binding on and inure to the benefit of the respective parties and their executors, administrators, heirs, personal representative, successors and assigns.

S. Termination

The contract resulting from this Solicitation may be terminated by the City of Pompano Beach without cause upon providing contractor with at least sixty (60) days prior written notice.

Should either party fail to perform any of its obligations under the contract resulting from this Solicitation for a period of thirty (30) days after receipt of written notice of such failure, the non-defaulting part will have the right to terminate the contract immediately upon delivery of written notice to the defaulting part of its election to do so. The foregoing rights of termination are in addition to any other rights and remedies that such party may have.

T. Manner of Performance

Proposer agrees to perform its duties and obligations under the contract resulting from this Solicitation in a professional manner and in accordance with all applicable local, federal and state laws, rules and regulations.

Proposer agrees that the services provided under the contract resulting from this Solicitation shall be provided by employees that are educated, trained and experienced, certified and licensed in all areas encompassed within their designated duties. Proposer agrees to furnish the City of Pompano Beach with all documentation, certification, authorization, license, permit, or registration currently required by applicable laws or rules and regulations. Proposer further certifies that it and its employees are now in and will maintain good standing with such governmental agencies and that it and its employees will keep all license, permits, registration, authorization or certification required by applicable laws or regulations in full force and effect during the term of this contract. Failure of Proposer to comply with this paragraph shall constitute a material breach of contract.

U. Acceptance Period

Proposals submitted in response to this Solicitation must be valid for a period no less than ninety (90) days from the closing date of this solicitation.

V. Conditions and Provisions

The completed proposal (together with all required attachments) must be submitted electronically to City on or before the time and date stated herein. All Proposers, by electronic submission of a proposal, shall agree to comply with all of the conditions, requirements and instructions of this solicitation as stated or implied herein. All proposals and supporting materials submitted will become the property of the City.

Proposer's response shall not contain any alteration to the document posted other than entering data in spaces provided or including attachments as necessary. By submission of a response, Proposer affirms that a complete set of bid documents was obtained from the eBid System or from the Purchasing Division only and no alteration of any kind has been made to the solicitation. Exceptions or deviations to this proposal may not be added after the submittal date.

All Proposers are required to provide all information requested in this solicitation. Failure to do so may result in disqualification of the proposal.

The City reserves the right to postpone or cancel this solicitation, or reject all proposals, if in its sole discretion it deems it to be in the best interest of the City to do so.

The City reserves the right to waive any technical or formal errors or omissions and to reject all proposals, or to award contract for the items herein, in part or whole, if it is determined to be in the best interests of the City to do so.

The City shall not be liable for any costs incurred by the Proposer in the preparation of proposals or for any work performed in connection therein.

W. Standard Provisions1. Governing Law

Any agreement resulting from this Solicitation shall be governed by the laws of the State of Florida, and the venue for any legal action relating to such agreement will be in Broward County, Florida.

2. Licenses

In order to perform public work, the successful Proposer shall:

Be licensed to do business in Florida, if an entity, and hold or obtain such Contractor' and Business Licenses if required by State Statutes or local ordinances.

3. Conflict Of Interest

For purposes of determining any possible conflict of interest, each Proposer must disclose if any Elected Official, Appointed Official, or City Employee is also an owner, corporate officer, or an employee of the firm. If any Elected Official, Appointed Official, or City Employee is an owner, corporate officer, or an employee, the Proposer must file a statement with the Broward County Supervisor of Elections pursuant to §112.313, Florida Statutes.

4. Drug Free Workplace

The selected firm(s) will be required to verify they will operate a "Drug Free Workplace" as set forth in Florida Statute, 287.087.

5. Public Entity Crimes

A person or affiliate who has been placed on the convicted vendor list following a conviction for 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 of real property to public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida Statute, Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

6. Patent Fees, Royalties, And Licenses

If the selected Proposer requires or desires to use any design, trademark, device, material or process covered by letters of patent or copyright, the selected Proposer and his surety shall indemnify and hold harmless the City from any and all claims for infringement by reason of the use of any such patented design, device, trademark, copyright, material or process in connection with the work agreed to be performed and shall indemnify the City from any cost, expense, royalty or damage

which the City may be obligated to pay by reason of any infringement at any time during or after completion of the work.

7. Permits

The selected Proposer shall be responsible for obtaining all permits, licenses, certifications, etc., required by federal, state, county, and municipal laws, regulations, codes, and ordinances for the performance of the work required in these specifications and to conform to the requirements of said legislation.

8. Familiarity With Laws

It is assumed the selected firm(s) will be familiar with all federal, state and local laws, ordinances, rules and regulations that may affect its services pursuant to this Solicitation. Ignorance on the part of the firm will in no way relieve the firm from responsibility.

9. Withdrawal Of Proposals

A firm may withdraw its proposal without prejudice no later than the advertised deadline for submission of proposals by written communication to the General Services Department, 1190 N.E. 3rd Avenue, Building C, Pompano Beach, Florida 33060.

10. Composition Of Project Team

Firms are required to commit that the principals and personnel named in the proposal will perform the services throughout the contractual term unless otherwise provided for by way of a negotiated contract or written amendment to same executed by both parties. No diversion or substitution of principals or personnel will be allowed unless a written request that sets forth the qualifications and experience of the proposed replacement(s) is submitted to and approved by the City in writing.

11. Invoicing/Payment

All invoices should be sent to City of Pompano Beach, Accounts Payable, P.O. Drawer 1300, Pompano Beach, Florida, 33061. In accordance with Florida Statutes, Chapter 218, payment will be made within 45 days after receipt of a proper invoice.

12. Public Records

- a. The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Contractor shall comply with Florida's Public Records Law, as amended. Specifically, the Contractor shall:
 - i. Keep and maintain public records required by the City in order to perform the service;

- ii. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law;
 - iii. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the City; and
 - iv. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Contractor, or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.
- b. Failure of the Contractor to provide the above described public records to the City within a reasonable time may subject Contractor to penalties under 119.10, Florida Statutes, as amended.

PUBLIC RECORDS CUSTODIAN

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

**CITY CLERK
100 W. Atlantic Blvd., Suite 253
Pompano Beach, Florida 33060
(954) 786-4611
RecordsCustodian@copbfl.com**

X. Questions and Communication

All questions regarding the Solicitation are to be submitted using the Questions feature in the eBid System. Questions must be received at least seven (7) calendar days before the scheduled solicitation opening. Oral and other interpretations or clarifications will be without legal effect. Addenda will be posted to the solicitation in the eBid System, and it

is the Proposer's responsibility to obtain all addenda before submitting a response to the solicitation.

Y. Addenda

The issuance of a written addendum or posting of an answer in response to a question submitted using the Questions feature in the eBid System are the only official methods whereby interpretation, clarification, or additional information can be given. If any addenda are issued to this solicitation the addendum will be issued via the eBid System. It shall be the responsibility of each Proposer, prior to submitting their response, to contact the City Purchasing Office at (954) 786-4098 to determine if addenda were issued and to make such addenda a part of their proposal. Addenda will be posted to the solicitation in the eBid System.

Z. Contractor Performance Report

The City will utilize the Contractor Performance Report to monitor and record the successful proposer's performance for the work specified by the contract. The Contractor Performance Report has been included as an exhibit to this solicitation.

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

PROPOSER INFORMATION PAGE

_____, _____
(number) (Title)

To: The City of Pompano Beach, Florida

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

Proposal submitted by:

Name (printed) _____ Title _____

Company (Legal Registered) _____

Federal Tax Identification Number _____

Address _____

City/State/Zip _____

Telephone No. _____ Fax No. _____

Email Address _____

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

PROJECT TEAM

SOLICITATION NUMBER _____

Federal I.D.# _____

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	_____	_____	_____
Project Manager	_____	_____	_____
Asst. Project Manager	_____	_____	_____
Other Key Member	_____	_____	_____
Other Key Member	_____	_____	_____

SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	_____	_____
Landscaping	_____	_____
Engineering	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____

(use attachments if necessary)

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

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS


Respondent Vendor Name: _____

Vendor FEIN: _____

Section 287.135, Florida Statutes, prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Further, Section 215.4725, Florida Statutes, prohibits agencies from contracting (at any dollar amount) with companies on the Scrutinized Companies that Boycott Israel List, or with companies that are engaged in a boycott of Israel. As the person authorized to sign electronically on behalf of Respondent, I hereby certify by selecting the box below that the company responding to this solicitation is not listed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List. I also certify that the company responding to this solicitation is not participating in a boycott of Israel, and is not engaged in business operations in Syria or Cuba. I understand that pursuant to sections 287.135 and 215.4725, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs.

I Certify

Exhibit – Contractor Performance Report

	<p>City of Pompano Beach, Purchasing Division 1190 N.E. 3rd Avenue, Building C Pompano Beach, Florida, 33060</p>
---	---

**CITY OF POMPANO BEACH
CONTRACTOR PERFORMANCE REPORT**

1. Report Period: from _____ to _____

2. Contract Period: from _____ to _____

3. Bid# & or P.O.#: _____

4. Contractor Name: _____

5. City Department: _____

6. Project Manager: _____

7. Scope of Work (Service Deliverables): _____

Exhibit – Contractor Performance Report

CATEGORY	RATING	COMMENTS
1. Quality Assurance/Quality Control - Product/Services of high quality - Proper oversight - Communication	Poor =1 Satisfactory =2 Excellent =3	
2. Record Keeping -Accurate record keeping -Proper invoicing -Testing results complete	Poor =1 Satisfactory =2 Excellent =3	
3. Close-Out Activities - Restoration/Cleanup - Deliverables met - Punch list items addressed	Poor =1 Satisfactory =2 Excellent =3	
4. Customer Service - City Personnel and Residents - Response time - Communication	Poor =1 Satisfactory =2 Excellent =3	
5. Cost Control - Monitoring subcontractors - Change-orders - Meeting budget	Poor =1 Satisfactory =2 Excellent =3	
6. Construction Schedule - Adherence to schedule - Time-extensions - Efficient use of resources	Poor =1 Satisfactory =2 Excellent =3	
SCORE	_____	ADD ABOVE RATINGS/DIVIDE TOTAL BY NUMBER OF CATEGORIES BEING RATED

RATINGS

Poor Performance (1.0 – 1.59): Marginally responsive, effective and/or efficient; delays require significant adjustments to programs; key employees marginally capable; customers somewhat satisfied.

Satisfactory Performance (1.6 – 2.59): Generally responsive, effective and/or efficient; delays are excusable and/or results in minor program adjustments; employees are capable and satisfactorily providing service without intervention; customers indicate satisfaction.

Excellent Performance (2.6 – 3.0): Immediately responsive; highly efficient and/or effective; no delays; key employees are experts and require minimal direction; customers expectations are exceeded.

City of Pompano Beach Florida Local Business Subcontractor Utilization Report

Project Name (1)		Contract Number and Work Order Number (if applicable) (2)	
Report Number (3)	Reporting Period (4) to	Local Business Contract Goal (5)	Estimated Contract Completion Date (6)
Contractor Name (7)		Contractor Telephone Number (8) () -	Contractor Email Address (9)
Contractor Street Address (10)	Project Manager Name (11)	Project Manager Telephone Number (12) () -	Project Manager Email Address (13)

Local Business Payment Report						
Federal Identification Number (14)	Local Subcontractor Business Name (15)	Description of Work (16)	Project Amount (17)	Amount Paid this Reporting Period (18)	Invoice Number (19)	Total Paid to Date (20)
Total Paid to Date for All Local Business Subcontractors (21) \$						0.00

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

Contractor Name – Authorized Personnel (print) (22)	Contractor Name – Authorized Personnel (sign) (23)	Title (24)	Date (25)
---	--	------------	-----------

Local Business Subcontractor Utilization Report Instructions

- Box (1) Project Name** – Enter the entire name of the project.
- Box (2) Contract Number (work order)** – Enter the contract number and the work order number, if applicable (i.e., 4600001234, and if work order contract include work order number – 4600000568 WO 01).
- Box (3) Report Number** - Enter the Local Business Subcontractor Utilization Report number. Reports must be in a numerical series (i.e., 1, 2, 3).
- Box (4) Reporting Period** - Enter the beginning and end dates this report covers (i.e., 10/01/2016 – 11/01/2016).
- Box (5) Local Contract Goal** - Enter the Local Contract Goal percentage on entire contract.
- Box (6) Contract Completion Date** - Enter the expiration date of the contract, (not work the order).
- Box (7) Contractor Name** - Enter the complete legal business name of the Prime Contractor.
- Box (8) Contractor Telephone Number** - Enter the telephone number of the Prime Contractor.
- Box (9) Contractor Email Address** - Enter the email address of the Prime Contractor.
- Box (10) Contractor Street Address** – Enter the mailing address of the Prime Contractor.
- Box (11) Project Manager Name** - Enter the name of the Project Manager for the Prime Contractor on the project.
- Box (12) Project Manager Telephone Number** – Enter the direct telephone number of the Prime Contractor's Project Manager.
- Box (13) Project Manager Email Address** – Enter the email address of the Prime Contractor's Project Manager.
- Box (14) Federal Identification Number** – Enter the federal identification number of the Local Subcontractor(s).
- Box (15) Local Subcontractor Business Name** – Enter the complete legal business name of the Local Subcontractor(s).
- Box (16) Description of Work** – Enter the type of work being performed by the Local Subcontractor(s) (i.e., electrical services).
- Box (17) Project Amount** – Enter the dollar amount allocated to the Local Subcontractor(s) for the entire project (i.e., amount in the subcontract agreement).

- Box (18) Amount Paid this Reporting Period** – Enter the total amount paid to the Local Subcontractor(s) during the reporting period.
- Box (19) Invoice Number** – Enter the Local Subcontractor's invoice number related to the payment reported this period.
- Box (20) Total Paid to Date** – Enter the total amount paid to the Local Subcontractor(s) to date.
- Box (21) Total Paid to Date for All Local Subcontractor(s)** – Enter the total dollar amount paid to date to all Local Subcontractors listed on the report.
- Box (22) Contractor Name Authorized Personnel (print)** – Print the name of the employee that is authorized to execute the Local Subcontractor Utilization Report.
- Box (23) Contractor Name Authorized Personnel (sign)** – Signature of authorized employee to execute the Local Subcontractor Utilization Report.
- Box (24) Title** – Enter the title of authorized employee completing the Local Subcontractor Utilization Report.
- Box (25) Date** – Enter the date of submission of the Local Subcontractor Utilization Report to the City.

REQUESTED INFORMATION BELOW IS ON LOCAL BUSINESS PROGRAM FORM ON THE BID ATTACHMENTS TAB. BIDDERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

**CITY OF POMPANO BEACH, FLORIDA
LOCAL BUSINESS PARTICIPATION FORM**

Solicitation # & Title: _____

Prime Contractor's Name: _____

<u>Name of Firm, Address</u>	<u>Contact Person, Telephone Number</u>	<u>Type of Work to be Performed/Materials to be Purchased</u>	<u>Contract Amount</u>

LOCAL BUSINESS EXHIBIT "A"

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

Solicitation Number _____

TO: _____
(Name of Prime or General Bidder)

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

_____ an individual

_____ a corporation

_____ a partnership

_____ a joint venture

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

at the following price: _____

(Date)

(Print Name of Local Business Contractor)

(Street Address)

(City, State Zip Code)

BY: _____
(Signature)

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

LOCAL BUSINESS EXHIBIT "B"

LOCAL BUSINESS EXHIBIT "C"
LOCAL BUSINESS UNAVAILABILITY FORM

Solicitation # _____

I, _____
(Name and Title)

of _____, certify that on the _____ day of

_____, _____, I invited the following LOCAL BUSINESS(s) to bid work
(Month) (Year)

items to be performed in the City of Pompano Beach:

Business Name, Address	Work Items Sought	Form of Bid Sought (i.e., Unit Price, Materials/Labor, Labor Only, etc.)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Said Local Businesses:

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

Name and Title: _____

Date: _____

Note: Attach additional documents as available.

LOCAL BUSINESS EXHIBIT "C"

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

Solicitation # _____

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

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

3. Did you send written notices to Local Businesses?

___ Yes ___ No

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

4. Did you advertise in local publications?

___ Yes ___ No

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

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

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

_____	\$ _____
_____	\$ _____
_____	\$ _____

8. Other comments: _____

LOCAL BUSINESS EXHIBIT "D"



Project No. E-20-20

**Continuing Contract for Civil Engineering
Services for Various City Projects**

City of Pompano Beach, FL



Florida's Warmest Welcome



Baxter & Woodman, Inc.

6600 North Andrews Ave., Suite 100

Fort Lauderdale, Florida 33309

954-945-5483

Contact: Rebecca Travis, PE, ENV SP

Qualifications submitted: July 30, 2020 by 2:00 PM

CITY OF POMPANO BEACH • RLI No. E-20-20
Continuing Contract for Civil Engineering Services • 191888.10

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Financial Statements*submitted separately*



TAB 1: Letter of Interest





6600 N. Andrews Ave., Suite 100, Fort Lauderdale, Florida 33302 • 954-945-5483 • baxterwoodman.com

July 30, 2020

Mr. Jeff English
 Purchasing Agent
 The City of Pompano Beach Purchasing Office
 1190 N.E. 3rd Avenue, Building C (Front)
 Pompano Beach, Florida 33060

Subject: *City of Pompano Beach - RFQ E-20-20 Continuing Contract for Civil Engineering Services for Various City Projects*

Dear Mr. English:

Pompano Beach needs a multi-disciplined, experienced team to assist the City in implementing various projects outlined in your comprehensive Capital Improvement Program. Baxter & Woodman has assembled a diverse and talented team with the expertise to complete projects of all types, sizes, and complexity. Our approach for the City's Continuing Contract for Civil Engineering Services focuses on providing the City of Pompano Beach with sound designs, responsive service, and innovative solutions. The City can be confident our team will provide you with:

- Knowledgeable Project Management Capabilities to Help Implement Your Capital Projects:** Our team of municipal facility, infrastructure, paving, drainage, and geospatial technology professionals have a proven record of accomplishment in the implementation of capital improvement projects for Pompano Beach and nearby communities. Our approach is to work as an extension of City staff to cultivate municipal operations and work collaboratively to improve the City's infrastructure. We have extensive experience in management of work schedules and budgets on projects large and small. We understand the importance of getting a clear grasp of the project scope – right from the start – and maintaining the City's vision, goals and budget throughout each project completion.



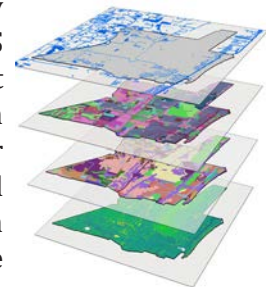
Our experience in the preparation of CIP programs for various communities and the subsequent implementation of those recommended projects means we understand the importance of keeping to the CIP program schedule and the need to adhere to the budgets while conforming to the expectations for those projects. Baxter & Woodman worked with Palm Beach County Water Utilities Department for the planning, site demucking, design and construction of the \$13M Western Region Operations Center, which included an administration building, warehouse, chiller, storage pavilions, parking analysis and site civil improvements. Additional examples of our work to implement municipal projects include the provision of a pavement analysis, design and construction administration services for Lake Worth Beach for their 4-year, \$40M Roadway Improvements Program; we also developed the Town of Gulf Stream's 10-Year CIP program and are currently in the second year of implementation of the program; and we designed and provided construction services for the Town of Lantana's Sports Facility, which included soccer and baseball fields. The sports facility project was completed under a tight funding budget and schedule.



- Familiar & Experienced Project Team:** Since 1946, Baxter & Woodman has specialized in serving the public sector and their engineering needs. Our background also includes serving Pompano Beach on a variety of engineering projects, including the Reuse System NE Expansion (Phases I and II), Esquire Lake Stormwater Improvements, Gateway Drive Stormwater Improvements, Kendall Lake Stormwater Improvements, Lyons Park Value Engineering Review, and soon we anticipate beginning the design of the City's first Transit Hub Park & Ride Project. Our team includes many City of Pompano and other local-based consultants familiar with the City staff, policies, and procedures. . Compass Point Surveyors, Florida Engineering & Testing, and Quest Engineering Services & Testing all have offices in Pompano Beach. Hardesty & Hanover also join our team as a local firm based out of City of Sunrise. Baxter & Woodman's office located in nearby Ft. Lauderdale is less than 3 miles from City Hall. Our team is committed to achieve 23% participation with City of Pompano Beach businesses, 33% Broward County business participation, and 23% MBE participation.

There are many exciting projects the City has outlined in your 5-Year Capital Improvement Plan. Our extensive experience has taught us how to efficiently work with the City's various Divisions and has provided us with a strong understanding of your infrastructure, policies, and procedures. This, along with our experience with managing and implementing improvement programs, greatly enhance our ability to serve you.

- Asset Management Solutions:** Pompano Beach will be supported by a team dedicated to further developing the City's robust use of their GIS and asset management system. Our team is at the technological forefront of government management systems and GIS applications. We have an assortment of GIS tools that makes data collection seamless and easy! Our GIS team can develop a custom GIS Collector App used to gather critical field information such as as-builts or inventories. The collected information can be processed using Esri ArcGIS software products to create a Geodatabase representing the spatial and relational data, providing the seamless integration of the collected data into the City's existing GIS. We can also build custom dashboards and ArcGIS Online maps for internal and external access.



Providing one of the most comprehensive ranges of municipal engineering and technology services, we continue to refine our practices and expand our services to best meet the changing requirements of municipalities like Pompano Beach. If you have any questions or need additional information after your review, Rebecca Travis can be reached by phone at 561-425-7715 or by email at rtravis@baxterwoodman.com. The City of Pompano Beach has always been a valued client and we look forward to continuing service to this forward-thinking community.

Sincerely,
 BAXTER & WOODMAN, INC.
 CONSULTING ENGINEERS



Rebecca Travis, PE, ENV SP, Executive Vice President/Florida Division Manager
 6600 North Andrews Ave. Suite 100, Fort Lauderdale, FL 33309
 P: 561-425-7715; F: 561-655-6179 • E: rtravis@baxterwoodman.com
 FEIN: 36-2845242



TAB 2: Technical Approach



TECHNICAL APPROACH

STRATEGY FOR SUCCESS

Baxter & Woodman has extensive engineering consulting experience for projects ranging from \$100,000 to \$30 million in construction value. We are experienced in all facets of reclaimed water, roadway, streetscape, water mains, sanitary sewers, drainage and neighborhood improvement projects for municipalities, including conceptual design, permitting, detailed design, cost estimates, bidding assistance, construction management and inspections and final certifications. We have been providing engineering consulting services as a Prime Consultant similar to the work in this contract to the **City of of Pompano Beach**, City of Lake Worth Beach, Town of Lauderdale-by-the-Sea, City of Delray Beach, City of Boca Raton, Town of Gulf Stream, Town of Highland Beach, City of West Palm Beach, Palm Beach County Water Utilities, Loxahatchee River District, Town of Lantana, City of Boynton Beach, and Florida Keys Aqueduct Authority.

The City of Pompano Beach needs a consultant who will work as a partner with the City's staff – one who will be a proactive extension of your staff. Baxter & Woodman has a solid track record of partnering with local counties and communities to deliver the high level of personal service you desire. We have also teamed with several talented and local firms to successfully complete the wide range of projects outlined in the City's capital Improvement program. Our team members include:

- **Compass Point Surveyors**, Pompano Beach Business, 10% Participation
- **Florida Engineering & Testing** (MBE Firm), Pompano Beach Office, 8% Participation
- **Hardesty & Hanover**, Sunrise Office (Broward County), 10% Participation
- **Electrical Design Associates** (MBE Firm), 8% Participation
- **QuEST Engineering**, Pompano Beach Office, 5% Participation
- **Wayne Villavaso Landscape Architecture**, 5% Participation

Baxter & Woodman's project approach focuses on providing quality engineering services at a cost effective rates, while meeting your project deadlines and budget requirements.

The engineering services for the City's contract include a wide array of engineering disciplines. Baxter & Woodman is qualified to provide services for the following categories:

- **Roadway and Associated Facilities** - Our team has a demonstrated record of cooperative work with state agencies including the Florida Department of Transportation (FDOT). Staff from these agencies are familiar with our firm. We have completed numerous projects that required FDOT involvement, reviews, and approvals including Airport Road Water Main Improvements for Boca Raton, A1A Water Main Improvements for Pompano Beach, and coordinated with FDOT and FDOT design engineer on behalf of Lantana for the Lantana Road/I-95 interchange improvements.



Baxter & Woodman's experience on roadway and streetscape improvements includes replacing aging underground utilities, new roadway configuration, curbing, traffic calming, sidewalk ADA compliance, landscaping, irrigation, and decorative street lighting for numerous communities. We work closely with Florida Engineering & Testing, our geotechnical firm, to determine which roads need to be reconstructed and which roads can be milled and overlaid for cost effectiveness based on analysis of the existing pavement.

- Utility Renewal & Replacement** - The City of Pompano Beach has identified two projects for wastewater utilities that Baxter & Woodman has extensive knowledge for design and implementation. Non-Sewer Area B (21-WS-001) is a septic to centralized sewer collection system project located in an area of approximately 100 acres of industrial businesses west of I-95, east of railroad tracks, north of Martin Luther King Boulevard and south of NW 15th Street. The area has a mix of high density areas where a gravity sewer system could provide a economical means of wastewater collection and low density areas where low pressure sewer systems would provide sewer collection and transmission for more isolated businesses. Baxter & Woodman would provide a preliminary design report which would identify the basis of design, corridor study to develop the sanitary sewer layout identifying areas of gravity sewer system and low pressure system, and preliminary construction cost opinion. Baxter & Woodman has performed many sewer projects in the past, including assisting. The Town of Gulf Stream with a completion of a Wastewater Feasibility Study which analyzed a Town-wide sewer collection system reviewing gravity, low pressure and vacuum sewer systems; the Loxahatchee River District Whispering Trails; and the Lauderdale By-The-Sea Palm Club septic to sewer conversion projects.

The City of Pompano Beach has also identified the Wastewater Master Plan Update (21-WS-006). Baxter & Woodman developed the 2016 Wastewater Master Plan for the City. Our intimate knowledge of the City's wastewater system makes Baxter & Woodman the ideal candidate to provide services to update this essential document. Baxter & Woodman has extensive modeling capabilities utilize a number of software suites such as Innovyze InfoWorks, Bentley WaterCAD and SewerCAD. Baxter & Woodman has worked closely with many clients on the development of their wastewater master plans. Baxter & Woodman has provided Wastewater Master Plans for the City of Wilton Manors, the City of West Palm Beach, and the City of Boca Raton. They key to developing a comprehensive Wastewater Master Plan is working as an extension of their staff by engaging in the review of record information from the client's GIS data base, record drawings, and performing field verifications. Once all information has been gathered, reviewed and verified, Baxter & Woodman proceeds with the development of the client's wastewater system model. Being that Pompano's report is being updated, Baxter & Woodman will review the data in the original model and update information as necessary based on changes to the system that



may have occurred since the 2016 Wastewater Master Plan. Any discrepancies would be identified and updated as necessary. Baxter & Woodman will then calculate projected future wastewater flow rates and coordinate with the City's Planning and Zoning department to identify any planned redevelopment or new developments that would increase wastewater flows. Based on the model results improvement, projects can be identified that would resolve areas of concern. Construction cost opinions will be developed for each project and then each project would be categorized by importance, taking into account the City's yearly project budget for wastewater improvements.

- **Stormwater Quality and Drainage Conveyance Design** - Baxter & Woodman

applies contemporary and innovative design concepts to maximize stormwater conveyance for flood protection while improving water quality treatment of runoff. Our design approach uses hydrologic and hydraulic modeling (ICPR4 and Civil 3D) to properly size drainage systems with design velocities to promote self-cleaning and cost effectiveness. We help our clients expand their vision and recognize new opportunities to solve recurring problems with a focus on sustainability. We promote the incorporation of urban bio-swales as an environmentally friendly feature to our designs, where feasible. For example, the Town of Lake Park's Lake Shore Drive faced chronic flooding in a pristine residential neighborhood due to difficult land conditions, extremely low road elevations, and high tide levels from the Lake Worth Lagoon that inhibited proper drainage of runoff from the area.



We help our clients expand their vision and recognize new opportunities to solve recurring problems with a focus on sustainability. We promote the incorporation of urban bio-swales as an environmentally friendly feature to our designs, where feasible. For example, the Town of Lake Park's Lake Shore Drive faced chronic flooding in a pristine residential neighborhood due to difficult land conditions, extremely low road elevations, and high tide levels from the Lake Worth Lagoon that inhibited proper drainage of runoff from the area.

Baxter & Woodman designed an integrated, multiple-option stormwater system with a new submersible pump station and bio-swale to relieve the Town's flooding hazard. Baxter & Woodman's innovative design concepts provided flood protection, improved water quality and preserved the area's quality of life.

It is important to note that Baxter & Woodman has recently completed construction management services for the City's Esquire Lake Neighborhood Stormwater Improvement Project, which we also designed. We are also in the final stages of design for two other challenging projects (Gateway Drive Drainage Improvements and Kendall Lake Stormwater Improvements). All of the tasks for that project are very similar to the engineering tasks required for the City's stormwater projects. This means we have no "learning curve" and can provide very cost effective engineering services.

- **Bridge/Pedestrian Bridge Design** - Hardesty & Hanover (H&H) joins our team to provide structural engineering design. H&H approaches each task work order as a unique project. At outset they will develop a scope encompassing the necessary services to deliver the assignment and commit the appropriate resources with the specific relevant experience.

- H&H will provide the data collection, contract document development, and construction support services to deliver the completed project. They currently hold a contract with FDOT District 6 to provide review and rehabilitation design for bridges on an on-call basis. In regards to Miami Beach, H&H is providing design for County Line Road Bridge Improvements. Their initial screening indicates one replacement alternative is to provide a three-span Florida Slab Beam superstructure supported on bents founded on prestressed concrete piles. The replacement typical section will meet the Florida Green Book requirements with FDOT standard singleslope bridge railings, two-11 ft lanes, and two-2.5 ft shoulders for a total bridge width of 30 ft.



Hardesty & Hanover provided CEI services and remedial design services for the Pine Tree Drive Bridge rehabilitation project.

- **Sidewalks, Bike Lanes, and Crosswalks** - From design through construction, we make sure that our projects meet current ADA standards for sidewalks, retroreflectivity standards for signage and opportunities for other ancillary improvements like wayfinding signs, lighting, and green infrastructure. Baxter & Woodman's design approach for pedestrian features is a collaborative effort between the designer, City staff, and public. Baxter & Woodman also has experience designing automated, lighted crosswalks that are solar powered.



Baxter & Woodman offers a unique approach to serving the City of Pompano Beach: we will protect your interests, provide high-quality engineering solutions, and save you money with our cost effective services and solutions. Our strategy is to work as a valued partner with the County in order to accomplish your goals and objectives.

Project Management

The overall contract will be administered by our Principal-in-Charge, Rebecca Travis, PE, ENV SP, who has the direct authority to commit the resources as required for the successful completion of the project(s). Project Managers Jeffrey Hiscock and Sira "Jockey" Prinyavivatkul are responsible for maintaining full knowledge of all aspects of the project and will be "hands-on" during the design and construction projects under this contract with the City. Our "hands-on" approach includes having the Project Managers integrally involved with the project - from conceptual design through construction services.

This approach is designed to provide one person answerable to the City at all times. Our project management framework results in direct lines of communication and responsibility and allows for simple project coordination.

Below we've identified our Project Management and Project Delivery Approach the City can expect on future projects.

Another key element as part of our project management is the collaboration with City staff to confirm your project goals and clearly define the desired project outcome. Frequent communication between City staff and the design team through regular project meetings and status updates will help you and your staff keep current during all phases of your projects and give you the opportunity to provide us with feedback. Open and continual communication between the City of Pompano Beach and the project team is key to delivering successful projects and exceeding your expectations.

Project Delivery Plan

Baxter & Woodman has a proven track-record in providing the data collection, design, permitting, public outreach, bidding, and construction administration/inspection of municipal utility projects. Our project approach to these types of projects typically involves the following primary tasks:

- Project Kick-Off
- Grant Funding Assistance
- Data Collection/Survey Mapping/Geotechnical Investigation
- Hydraulic Modeling
- Final Design Services
- Value Engineering Services
- Cost Estimates and Performance
- Permitting Services
- Bidding Services
- Public Outreach
- Construction Administration Services

Total Quality Assurance/Quality Control (QA/QC) is maintained throughout your project.

Project Kick-Off

Baxter & Woodman's team members will attend a notice-to-proceed kick-off meeting with the primary objectives of confirming the clear understanding of the scope of work, and the identification of key concerns of all project participants, obtaining relevant information that may be available from the City, and establishing proper communication between Baxter & Woodman's team and the City staff. The CIP budgets, schedule and funding source reporting requirements are discussed.



Project kick-off meetings provide the City with the opportunity to confirm your project goals and expectations with our team.

Grant Funding Assistance

Through extensive experience with municipal capital improvement projects, Baxter & Woodman has been involved and understands the requirements for grant reporting assistance. Baxter & Woodman has experience with grant funding from the preliminary design stages through construction. Additionally, several of our staff members hold training certifications that pertain to specific grant funding opportunities (please refer to resumes section for reference). Each grant funding program has its own particular set of requirements and reporting. Baxter & Woodman's previous experience and attention to detail have resulted in successful grant funding assistance as evidence by the past projects described below:

Project Name	Owner	Funding Opportunity	Administrating Agency	B&W Grant Assistance Provided
Esquire Lake Stormwater Improvements	City of Pompano Beach	Clean Water State Revolving Fund (SRF)	Florida Department of Environmental Protection	The City was awarded SRF funding for construction of this project and B&W assisted the City with the necessary reporting and construction close-out. SRF Loan and Davis Bacon Act Compliance Documentation.
Reuse NE Expansion – Phase 1	City of Pompano Beach	Alternative Water Supply Grant Funding	South Florida Water Management District (SFWMD)	B&W provided assistance with reporting required during construction and construction close-out.
Reuse NE Expansion – Phase 1	City of Pompano Beach	Division of Water Restoration Assistance Grant Funding	Florida Department of Environmental Protection (FDEP)	B&W provided assistance with reporting required during construction and construction close-out.
Park of Commerce – Phase 1A	City of Lake Worth Beach	Department of Commerce Financial Assistance Grant Funding	U.S. Department of Commerce Economic Development Administration (EDA)	B&W was the Owner's Representative on this project and provided assistance to the City for grant application preparation, submittal, and reporting following award through design and construction completion.
Lakeshore Drive Drainage Improvements	City of Lake Worth Beach	FDOT Local Agency Program (LAP) Funding	Florida Department of Transportation	B&W provided assistance with reporting required during construction and construction close-out.
5th Avenue South Bikeway / Pedestrian Trail	Town of Lake Park	Hurricane Mitigation Grant Funding Program (HMGP)	Florida Division of Emergency Management	B&W designed this project and assisted the Town with the application for funding. B&W will be providing reporting assistance during construction.
Seacrest Blvd. / NE 2nd Avenue Beautification Phases II and III	City of Delray Beach	FDOT Local Agency Program (LAP) Funding	Florida Department of Transportation	B&W provided assistance with reporting required during construction and construction close-out.
Alleyway Enhancement from SE 10th Street to South of Atlantic Avenue	City of Delray Beach	FDOT Local Agency Program (LAP) Funding	Florida Department of Transportation	B&W provided assistance with reporting and submittals during design to FDOT.

Grant Funding Assistance (cont.)

Project Name	Owner	Funding Opportunity	Administrating Agency	B&W Grant Assistance Provided
2nd Avenue South Roadway Improvements	City of Lake Worth Beach	Community Development Block Grant (CDBG) Funding	Palm Beach County Department of Economic Sustainability	B&W provided assistance with reporting required during construction and construction close-out.
Area 12C Reclaimed Water Expansion	City of Delray Beach	Alternative Water Supply Grant Funding	South Florida Water Management District (SFWMD)	B&W assisted the City with the grant application process and reporting during construction.
Area 12C Reclaimed Water Expansion	City of Delray Beach	Division of Water Restoration Assistance Grant Funding	Florida Department of Environmental Protection (FDEP)	B&W provided assistance with reporting required during construction and construction close-out.
SW 4th Street, SW 6th Street, SW 7th Avenue & SW 3rd Court Neighborhood Improvements	City of Delray Beach	Alternative Water Supply Grant Funding	South Florida Water Management District (SFWMD)	B&W is currently providing assistance with reporting required during construction and construction close-out.
Replacement of Water Distribution Lines – Phases 1 and 2	Town of Highland Beach	Clean Water State Revolving Fund (SRF)	Florida Department of Environmental Protection	The City was awarded SRF funding for construction of this project and B&W assisted the City with the necessary reporting and construction close-out.

Data Collection

This task involves the collection of project specific data to be used in the design of the project. We propose to use **Compass Point Surveyors** to provide topographical survey of the project area. The survey information will be used in conjunction with the City's available record drawing (e.g. "As-Builts) information, existing GIS maps, and aerial maps. Compass Point Surveyors is a local surveyor in the City of Pompano Beach. We also propose to use **Florida Engineering and Testing**, also located in Pompano Beach, to collect geotechnical (e.g. soil borings, pavement cores, and field permeability tests) and provide testing as needed for design purposes.



During the data collection process, Baxter & Woodman will work closely with the City to determine what site data may already exist in an effort to avoid redundant collection of data. This will allow the project to move forward quickly and cost effectively.

Hydraulic Modeling

The Project Team will perform all necessary hydraulic modeling for each project. Baxter & Woodman utilizes various hydraulic modeling programs available for water, wastewater and stormwater. We predominantly use WaterCAD®, SewerCAD®, EPANet, InfoWater, EPA SWMM and ICPR.

- Model input data obtained from the Master Plan report that is updated or revised will be entered in Baxter & Woodman's SWMM Model for the project areas. Testing, debugging and comparisons to previous model results will be performed under this task.
- Existing and proposed alternative model scenarios will be run using the design storms in the Master Plan. Hydraulic pipe reaches will be modeled in a similar method used in the Master Plan where a main stem from a basin is determined and an equivalent pipe size is used to represent the pipes in the system.

Baxter & Woodman will develop alternatives that will include shifting the timing of the discharges so that more volume can be discharged before street flooding occurs – more controlled discharge and less uncontrolled discharge without exceeding the allowable discharge rate. We will also carefully consider the effects of Sea Level Rise. Higher water levels at the discharge locations and higher groundwater conditions will be evaluated. Considering that the life span of infrastructure can be several decades, it is important to consider improvements that will be needed in the long term and size the infrastructure appropriately to handle those needs. For example, larger and deeper pipes should be considered if a pump station is deemed to be needed in the foreseeable future, if not today.

MODELING EXPERTISE

Baxter & Woodman is proficient in various modeling softwares including:

- WaterCAD/WaterGEMS
- SewerCAD/SewerGEMS
- InfoWorks ICM SE
- InfoWater
- ICPR4
- XPSWMM
- EPA SWMM
- HEC-HMS
- HEC-RAS
- StormCAD
- HY-8
- ICM
- Optomatics Optimizer
- TR-20
- HYDRAFLOW
- WAM
- CASCADE
- SSA CIVIL 3D
- FLOWMASTER



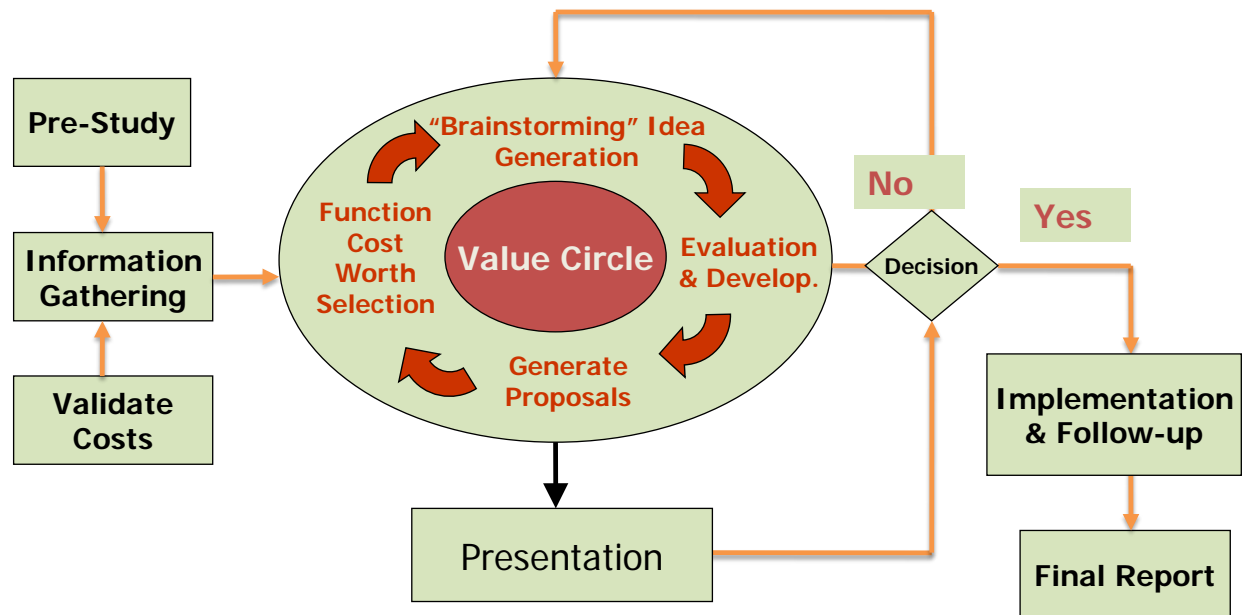
Value Engineering and Constructability Reviews

Baxter & Woodman specializes in value engineering and constructability reviews for municipal projects. For the past eleven years, we have served as Palm Beach County's General Value Engineering Consultant and have provided VE and constructability reviews (CR) for a variety of projects. We provided Value Engineering services for the Loxahatchee River District's Wastewater Treatment Facility Expansion and Facility Upgrade project in Jupiter, Florida. We also provided Value Engineering services to the City of Pompano Beach for the Lyons Park Neighborhood sewer and drainage improvements project.

The results of our value engineering services are unsurpassed. On average, we have provided life cycle cost savings equal to 26 percent of construction cost, and the average rate of return for our services is 59:1, which means for every dollar clients have spent for our value engineering services, we have provided \$59 of life cycle cost savings.

Baxter & Woodman's unique and efficient approach to conducting value engineering studies consists of these key elements:

- A team of in-house experts is assembled to participate in the workshop review session. Disciplines covered include civil, mechanical, process, structural, architectural, electrical, instrumentation and control, and/or operations as needed for the specific project requirements.
- The team utilizes brainstorming sessions coupled with independent reviews to identify VE proposals.
- VE proposals are thoroughly researched to present accurate capital and life cycle cost savings. A Function Analysis and Cost Model are developed for each project to validate project value and to establish target VE savings.
- The VE report is prepared in conjunction with the workshop session so that the client has immediate results at the end of the review period.



To facilitate workshop progress and to enhance the presentation of results, Baxter & Woodman has developed custom forms for value engineering projects. The forms list VE and constructability comments according to discipline so that the results are easy to reference and implement by the Design Team. Detailed cost proposal forms ensure cost estimates compare “apples to apples”, represent “true” life cycle costs of the item and include proper construction markups.

Constructability reviews are conducted in the mid to later project design stages to ensure constructability and clarity of the design documents and to avoid conflicts, delays, and added costs. These reviews minimize the need for redesign, reduce construction costs, expedite project completion, and reduce environmental impacts and long-term maintenance costs. Constructability reviews measure the ease with which a project design can be built while complying with the drawings, specifications, construction schedule, quality control requirements, and budget constraints. The reviewer identifies areas where the ability to build a facility can be improved by listing construction constraints and sequencing the design components to meet the construction schedule.

Cost Estimates and Performance

Cost estimates will be prepared at the 30, 60 and 90 percent completion stages. The cost estimates will reflect changes in general scope, and additional design requirements that may be incorporated during the design review stages. This affords the City the opportunity to make changes in project direction based on construction budget constraints.

Baxter & Woodman is committed to producing high quality, cost efficient products within required time frames. The Principal Owners of the firm continually monitor the design and construction costs of each project. Also, we are extremely familiar with the construction contractors in South Florida and are aware of bidding conditions that can affect the construction cost of a project.

The budget truly is the bottom line. The table below is a record of recent cost estimates compared to the awarded construction bid amount. This comparison demonstrates our competence and dedication to providing clients with accurate project estimating. This is the best physical evidence an engineering firm can present as demonstration of project cost control performance.

Client	Project	Engineer's Estimate	Base Bid Was
City of Boca Raton	Reclaimed water Storage & Pumping Station	\$4,500,000	\$3,914,909
City of Boca Raton	On-Site Reclaimed Water Pumping Facility	\$811,000	\$730,000
City of Boca Raton	West Reclaimed Water Main Extension	\$1,768,437	\$1,577,425
City of Delray Beach	24" Reclaimed Water Main	\$321,522	\$271,364
City of Delray Beach	Country Club Acres Infrastructure Imp.	\$1,515,811	\$1,377,027
City of Delray Beach	Sea Sage Drive/Melaleuca Road/Oleander Lane	\$984,063	\$1,126,755
City of Delray Beach	SW 12th/SW 11th Avenue Water Main	\$734,740	\$721,420
City of Delray Beach	Venetian Drive Infrastructure Imp.	\$1,495,164	\$1,458,795
City of Delray Beach	Area 1 Reclaimed Water System	\$1,484,995	\$1,312,100
City of Delray Beach	Area 2 & 3 Reclaimed Water System	\$1,500,000	\$1,731,265
City of Delray Beach	Area 11 Reclaimed Booster Pump Station	\$989,590	\$691,084
City of Tamarac	Tamarac Lakes Water Main Imp.	\$837,441	\$766,175
City of Tamarac	Southgate Boulevard Streetscape Imp.	\$1,499,717	\$1,239,469
City of Tamarac	McNab Road Water Main Improvements	\$477,250	\$486,832
City of West Palm Beach	Monroe Drive Infrastructure Improvements	\$7,077,975	\$5,984,486
Loxahatchee River District	South Seabrook Road Sewer System	\$1,689,931	\$1,494,589
Loxahatchee River District	Tidewater Drive Sewer System	\$290,081	\$274,156
Loxahatchee River District	Jupiter Highlands Low Pressure System	\$315,728	\$245,018
Palm Beach County	30" Reclaimed Water Main	\$368,520	\$299,705
Palm Beach County	FPL On-Site Reclaimed Water Facilities	\$3,600,000	\$2,722,000
Town of Gulf Stream	24" Stormwater Outfall	\$44,746	\$39,655
Town of Lantana	Raw Water Supply Well No. 11	\$755,000	\$631,500
Town of Lantana	Raw Water Supply Well No. 12	\$400,000	\$341,400
Town of Highland Beach	A.1.A. Water Main Replacement	\$3,200,000	\$2,714,707
Average (under engineer's estimate)			-10.47%

Regulatory Agency Coordination

Baxter & Woodman has extensive experience with all of the regulatory agencies that may be involved during the design and construction of the projects associated with this Contract. We actively monitor Federal, State and local regulatory requirements and rule revisions. We track and forecast critical regulations to ensure project design criteria does not become "outdated". Our regulatory services include preparation of permit applications, safety management programs, facility compliance reporting and project completion documentation. Through our permitting experience, we have maintained strong local ties to each of the communities that we serve. Our familiarity with the rule makers and permitting staff at the various agencies simplifies the permitting process. Our goal is to help our clients meet regulatory compliance for all projects without "surprises" which may impact project objectives and schedules. It is very important that the regulatory agencies be involved in the

project from the outset. This participation is vital to obtain information and direction, which may be critical to the success of the project. For this reason, we typically hold a pre-application conference with the regulatory agencies to discuss the project and troubleshoot any potential problems.

After approval by City staff, the contract documents will be submitted to the appropriate regulatory agencies for construction permits. ***Baxter & Woodman has a strong professional relationship with all regulatory agencies in South Florida.*** This has been developed over many years of working with the various regulatory agencies in South Florida.

The following matrix provides a summary of each of our Staff Members experience with the identified regulatory agencies for this Contract.

REGULATORY AGENCY	Rebecca Travis	Jeff Hiscock	Sira "Jockey" Prinyavivatkul	John Richards	Mark Dachsteiner	Courtney Marshall
Broward County Department of Planning & Environmental Protection (DPEP)	✓	✓	✓	✓	✓	✓
Broward County Health Department (BCHD)	✓	✓	✓	✓	✓	✓
Florida Department of Transportation (FDOT)	✓	✓	✓	✓	✓	✓
South Florida Water Management District (SFWMD)	✓	✓	✓	✓	✓	✓
US Army Corps of Engineers (USACOE)	✓	✓	✓	✓	✓	✓

Baxter & Woodman has recently completed two very challenging permitting tasks for the City. Gateway Drive Drainage Improvements included obtaining dewatering approval within an area where a contaminated groundwater plume exists. Baxter & Woodman coordinated with SFWMD, DEP and Broward County to develop and permit a dewatering plan that minimizes the risks of causing the plume to move. Kendall Lake Drainage Improvements included discharges to a designated impaired waterbody, Pompano Canal. Baxter & Woodman successfully showed that the project would result in no increase in pollutant loading to the canal.

Bidding Services

The bid review process is very important in order to ensure that the Contractor selected for the work is qualified to provide the construction services in the bid documents. In all of our conventional design-bid-construct projects, Baxter & Woodman evaluates the bids submitted by the General Contractors.

After Baxter & Woodman has evaluated the bids we typically recommend the lowest responsible and responsive bidder whose bid meets the requirements of the Contract Documents and provides the City the best value. In situations, where the lowest bidder is not qualified, we then evaluate the second low bidder, and so forth, until a bidder is selected.

Public Outreach

As with any infrastructure improvements project, positive public relations are a vital aspect of the program. Our approach to Community Outreach is to keep the public and City Officials informed and involved. By using a proactive “Good Neighbor” approach with the public, the City can generate a partnering relationship with the affected residents. This can be done by keeping the public aware of project scope, road closures, schedules, and benefits of the project through handouts, flyers, etc. We will tailor the public relations campaign to meet the specific needs of the City for each particular project.

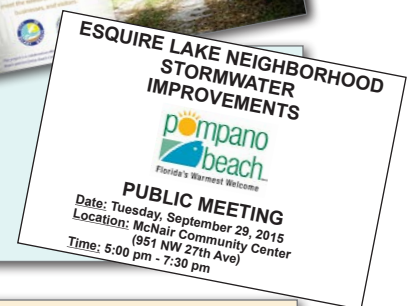
PROJECT WEBSITES

- Customized project webpages that work well for large-scale projects. Efficient to update, these sites keeps anyone interested up to date!



CONSTRUCTION OPEN HOUSE & PROGRESS MEETINGS

- Public pre-construction open house to provide initial construction information.
- Weekly meetings of construction staff to monitor the progress and record the completion percentage in the weekly minutes and on the website.



COMMUNITY MEETINGS & VISITS

- Monthly “Coffee with the Crew” information sessions held once in the morning and again in the evening to accommodate the schedules of business owners, Chamber of Commerce staff, municipal and school officials, and other community leaders.
- Supplement with regular visits by staff to individual businesses, schools, etc. to address concerns, and distribute flyers or other information.
- Attend local Chamber of Commerce meetings; provide information for their newsletter or weekly e-blast.



CONSTRUCTION SURVIVAL GUIDE

- Update a project specific Construction Survival Guide created by Baxter & Woodman with information and suggestions tailored for the impacted residents/business owners.
- Have printed copies available for distribution or downloadable from the website.



SOCIAL MEDIA UPDATES & ELECTRONIC ALERTS

- Post regular updates to a dedicated project Facebook page and/or Twitter feed.
- Utilize a messaging program, such as TextCaster or Nixle, to provide real-time traffic notifications via text message and/or email.



Design

Our approach is to break the design project into two subtasks: preliminary design layout (preparation of 30% design documents and construction cost opinion), and final design (preparation of biddable contract documents – subject to 60 and 90 percent reviews).

Final Design Services – Based on the survey, geotechnical data collected, utility locates, and hydraulic modeling, the project team will layout the proposed infrastructure improvements for the project area. The system will be designed to maximize system performance, provide for ease of maintenance, minimize utility conflicts, and minimize construction costs. The project will also be designed in accordance with City design standards and regulatory agencies requirements (e.g. BCHD, BCDPEP, FDEP, FDOT, etc.). Also, any requirements that need to be



followed in order to receive FDEP SRF or Grant money for the project will be closely adhered to. Upon completion of the layout, we will hold a review meeting with the City to review the layout for approval before proceeding. This will also include preparation of a preliminary phasing plan, if required to implement construction consistent with available multi-year funding.

Contract Document Preparation – System components will be designed in accordance with any manufacturer recommendations and in accordance with City design requirements and standards. The construction documents shall include drawings and technical specifications.

The construction drawings shall include: cover sheet, phasing plan, plan and profile civil drawings, roadway sections, mechanical, structural & electrical, landscape drawings (if required), signing and pavement marking and miscellaneous civil detail sheets. Regular consultation will be made with City staff to inform them of the project's progress and to receive their input. At 30 and 60 percent design completion, plans, specifications, and construction cost opinion will be submitted to the City for review.

When the design drawings and specifications are at 100 percent completion, a submittal will again be made to the City. The submittal will include a construction cost opinion. This 100 percent design submittal will serve as the basis for obtaining City staff's final project input prior to finalization of the contract documents for bid. **Throughout the design, our project team will provide necessary internal quality assurance/quality control reviews and will be monitoring adherence to the CIP project scope and budget.**

Schedule Control

Our proven approach will allow us to develop a project schedule that will be maintained throughout design, permitting and construction of the City's infrastructure projects. It is important that each and every work authorization meet the established time schedule. The Project Managers will be responsible for schedule compliance. Baxter & Woodman's principals review schedule compliance on a weekly basis at project schedule control meetings and take appropriate action to prevent slippage when it first becomes apparent. A typical project schedule from data collection through bidding and award, followed by construction, is presented in the *Schedule* portion of this RFI response.

Construction Administration Services

Our Construction Management Team has conducted comprehensive construction management services on various type of projects in South Florida. Our experience includes construction of public facilities, including lift stations, large pumping stations, underground utility pipeline, administration and operations facilities infrastructure projects, parks, parking facilities, roadway, sidewalk, and neighborhood infrastructure projects. Our similar experience combined with our staff's strong working relationship with the City will result in efficient coordination and seamless construction for this important project. The City can be confident that our in-house construction administration and inspection personnel will confirm your project is implemented on time, within budget, and per your goals and standards.

Baxter & Woodman's approach for construction administration has been proven time and time again - resulting in successful projects completed on time and within budget. Our approach focuses on working with City Staff to structure our construction management services (CMS) to fit your needs. In that way, we can work jointly with the City to cover any facets of CMS without spending duplicate time (and cost).



CMS services typically includes the following tasks:

- **Project Kick-off**

Baxter & Woodman will attend a notice-to-proceed kick-off meeting with the primary objectives of developing a clear understanding of the scope of work and the key concerns of all project participants, obtaining relevant information that may be available from the City, and establishing proper communication between the consultant team and the City's staff. Assignments will be made for the e-Builder system. Utilizing the e-Builder system will not only assist the Baxter & Woodman team in streamlining communication and processes with the City, but will also produce insight into performance across the entire project lifecycle - reducing risk and cost, as well as improving performance. This will result in successful delivery of capital projects. Baxter & Woodman will also ensure e-Builder training is provided for team members unfamiliar with the program.

- **Pre-Construction Conference**

Baxter & Woodman will prepare the agenda and administer a pre-construction conference with representatives of the City, Design Team, Contractor and their major sub-contractors for the construction contract. Baxter & Woodman will prepare conference minutes in writing. The permitting status construction schedule and Maintenance of Traffic (as appropriate) will be important topics of discussion at this meeting.



- **Shop Drawing Review**

Receive, log, review, and distribute material Shop Drawings and Product submittals for general conformance with the design intent and provisions of the Contract Documents. Baxter & Woodman will work closely with the Contractor to prioritize any long lead items, such as items needed for incorporation into the Construction Sequencing Plan.

- **Monthly Progress Meetings**

Baxter & Woodman will administer monthly construction progress meetings and provide a written meeting agenda for discussion items at each meeting. The Contractor will be required to provide a status review and a 2-week look ahead for discussion. Project meetings will be conducted by Baxter & Woodman's Construction Manager with Baxter & Woodman's Field Inspector, Contractor Representatives and the City's Project Manager in attendance. Following the meeting, Baxter & Woodman's Construction Manager will prepare and distribute meeting minutes to the City and other attendees. These meeting will help you and your Staff keep current during construction and give you the opportunity to provide us with feedback and any specific direction required.



- **Pay Application Review**

Review monthly payment applications submitted in a format acceptable to the City. Baxter & Woodman will verify the quantities as represented on the pay request and make a recommendation to the City to proceed with the payment as requested, or as modified based on Baxter & Woodman's review.

- **Construction Administration**

Baxter & Woodman shall provide general construction administration duties such as:

- Administer the City's contract with the Contractor and ensure contract conditions are met,
- Conduct daily email and written correspondence for project communication as the lead point of contact through the established lines of communication protocol,
- Monitor and ensure the Contractor obtains all governmental and regulatory permits, inspections and approvals,
- Conduct site visits and direct construction meetings with the Contractor,
- Field questions and phone calls from residents or public stakeholders during construction,
- Transmit all required correspondence and certification packages to the Permit Agencies.
- Provide the necessary tracking and reporting for grant funded projects.



- **Construction Clarifications**

Respond in writing to Contractor's Request for Information (RFI) regarding the design documents during the construction period. Baxter & Woodman will issue interpretations and clarifications of the Contract Documents, along with associated support materials, as requested by the Contractor.



- **Construction Changes**

Prepare and negotiate Change Orders (CO) and Field Change Directives (FCD) during the construction period.

- **Substantial and Final Inspection**

Baxter & Woodman will conduct a substantial and final inspection with the City's Construction Management Staff to determine if the project has been completed in accordance with the contract documents and if the Construction Contractor has fulfilled his obligations thereunder.

A punch-list will be prepared for each inspection (substantial & final) for the project. Baxter & Woodman will recommend, in writing, final acceptance of the work to the City. The City may at their option, proceed to make final payment to the Construction Contractor.

- **Final Project Completion & Certification/Project Closeout**

Baxter & Woodman will ensure as-built data is updated as the construction work progresses and will prepare certified as-built documents upon construction completion. The closeout package will include as-built plans, which include changes made during construction which differ from the permitted construction drawings, final test results, Contractor final pay application, and other applicable contractor closeout documents, permit certification of completion documentation, and a final certification of the project completion from Baxter & Woodman. The final package will be collated and presented to the City at the end of the project construction in electronic and hard copy format, as appropriate.

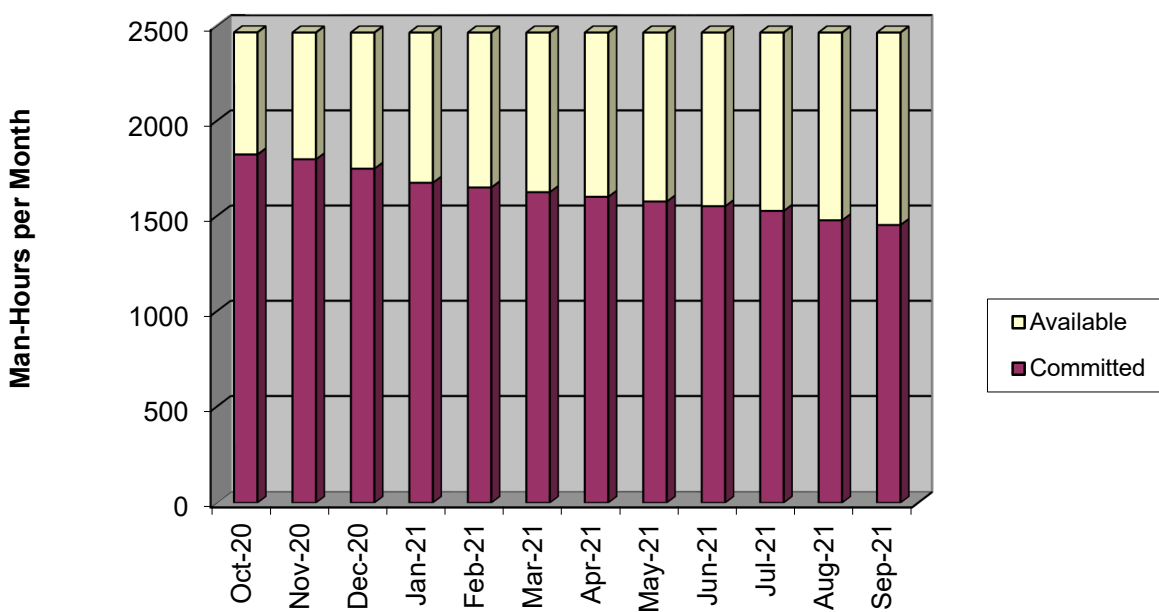


CURRENT WORKLOAD & AVAILABILITY

Baxter & Woodman is available to begin the work tasks associated with this Contract immediately. Our experienced staff permits us to commit all of our necessary resources to the City of Pompano Beach. Baxter & Woodman is committed to assign the most qualified, technical expertise to this project assignment, meet the required schedules and budgets, and produce exceptional project results.

Our Principal-in-Charge Rebecca Travis, PE, ENV SP will be fully dedicated to this Contract and to the City to confirm that all project tasks are performed on time and within budget. The Project Managers, Assistant Project Managers and Construction Managers will be available for the duration of this Contract.

Baxter & Woodman's projected workload is presented in the figure below. The chart shows that we have more than enough man-hours available to provide Design, Studies, Permitting, Bidding, and Construction Assistance Services for this Contract.



Projected Workload

As the chart demonstrates, our workload availability far exceeds the required staffing allocation for this Contract. We will devote required resources and personnel to each project that is required to complete the project tasks efficiently, with the highest quality of standards. All key team members that will be involved in this project have availability for the duration of this project.



TAB 3: Schedule



SCHEDULE

Continuing Contract for Civil Engineering Services for Various City Projects - Typical Project Schedule

Description	2020			2021												
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Scope Meeting with City	◆															
Work Authorization Submitted to City for Approval	◆															
Project Kick-Off Meeting / NTP			◆													
Grant Application Process (Reporting Milestones Established at Beginning of Project; Costs & Schedule Tracked)																
Project Progress Reports Provided to the City (Monthly) ⁽¹⁾			★	★	★	★	★	★	★	★	★	★	★	★	★	★
Topographic Survey			■													
Soil Borings				■												
Utility Coordination				■												
Preliminary Design Report				■												
City Review & Progress Meeting					■											
Final Design						■										
60% Design Submittal						■										
City Review										■						
60% Design Review/Progress Meeting with City												◆				
Underground Utility Locates											■					
90% Design Submittal												■				
City Review & Progress Meeting															■	
90% Design Review/Progress Meeting with City																◆
Bid Set Design Submittal															■	
Permitting ⁽²⁾													■			
Bidding and Award															■	
Construction - into Year 2022																

Notes:

- (1) Monthly project progress reports will be provided to the City at the end of each month throughout the design duration in addition to the daily phone/email correspondence as required for the project.
- (2) Estimated based upon typical regulatory agency review period.



TAB 4: References



REFERENCES

POMPANO BEACH EXPERIENCE

Baxter & Woodman has been serving the City of Pompano Beach since 1999. Over the years we have performed emergency projects for the City and have also been selected for multiple General Engineering Contracts. We value your trust in our services and our professional relationship. We are committed to provide high-quality, responsive services throughout this next assignment.

PROJECT NAME	FEES	STATUS
Water Treatment Plant Fluoridation System	\$9,850	Complete 1999
Risk Management Program	\$11,900	Complete 1999
SFWMD Grant Application	\$4,500	Complete 1999
RMP Public Meeting Assistance	\$3,000	Complete 2000
Wastewater Continuity of Service Plan	\$19,700	Complete 2001
Reuse Operating Protocol	\$5,000	Complete 2001
Reclaimed Water Operating Protocol and O&M Manual	\$14,900	Complete 2003
2002 Consumer Confidence Report	\$2,800	Complete 2003
2003 Consumer Confidence Report	\$3,450	Complete 2004
Risk Management Program Process Hazard Analysis Workshop	\$9,140	Complete 2005
2011 Wastewater Master Plan	\$118,990	Complete 2012
Reclaimed Water System Hydraulic Model	\$99,652	Complete 2014
Esquire Lake Neighborhood Drainage Preliminary Design Report	\$133,594	Complete 2014
Reuse Master Plan	\$91,892	Complete 2015
Utility Relocations I-95 Widening	\$34,949	Complete 2015
Area D Sanitary Sewer System	\$49,994	Complete 2016
Liberty Park Sewer Improvements	\$19,950	Complete 2016
Area D Sewer Improvements CMS	\$10,134	Complete 2016
I-95 Widening Utility Relocation	\$34,949	Complete 2016
2016 Wastewater Master Plan	\$139,750	Complete 2017
Kendall Lake Neighborhood Drainage Preliminary Design Report	\$234,891	Complete 2017
Gateway Drive Neighborhood Drainage Preliminary Design Report	\$194,360	Complete 2017
Reuse System NE Expansion (Phase 1) Design & CMS	\$159,715	Complete 2018
A1A Water Main Improvements	\$99,966	Complete 2018
A1A Water Main Improvements CMS	\$74,830	Complete 2018
Dixie Highway Drainage Model Development	\$50,943	Complete 2018
Easement Assessment - Kendall Lake and Gateway Drive	\$3,580	Complete 2019
Lyons Park Value Engineering Review	\$7,332	Complete 2019
Reuse System NE Expansion (Phase 2)	\$196,023	Complete 2019
Esquire Lake Stormwater Improvements	\$198,389	Complete 2020
Kendall Lake Neighborhood Drainage Design & CMS	\$252,062	In Progress
Gateway Drive Stormwater Improvements, Design & CMS	\$61,000	In Progress
US 1 Transit Hub Survey, Site Plan and Civil Engineering Services	\$TBD	In Progress

City of Pompano Beach, FL US 1 Transit Hub Survey, Site Plan and Civil Engineering Design Services

The City of Pompano Beach contracted with Baxter & Woodman to implement survey, site plan and civil engineering design services for the US 1 Transit Hub, located 1/2 block south of the intersection of East Atlantic Boulevard and US 1.

The scope of services includes a three-phased plan which entails: Phase 1 - preparing a site plan and design plans for city permit approvals for the park and ride parking lot; Phase 2 - the demolition of three buildings on the CRA site (by the CRA); Phase 3 - the renovation of existing parking areas and the construction of new parking adjacent to and connecting with the existing areas. Refurbishment of the existing parking lots is required.

Specific design elements to be provided for the project include site layout of a parking lot on the CRA-owned parcels, stormwater and driveway turnout design, coordination with the City for provision of security cameras and gates - public wi-fi (to be maintained), perimeter fencing, parking lot lighting and EV charging stations, traffic signing and marking, landscaping, irrigation, permitting and arborist's services.

HIGHLIGHTS:

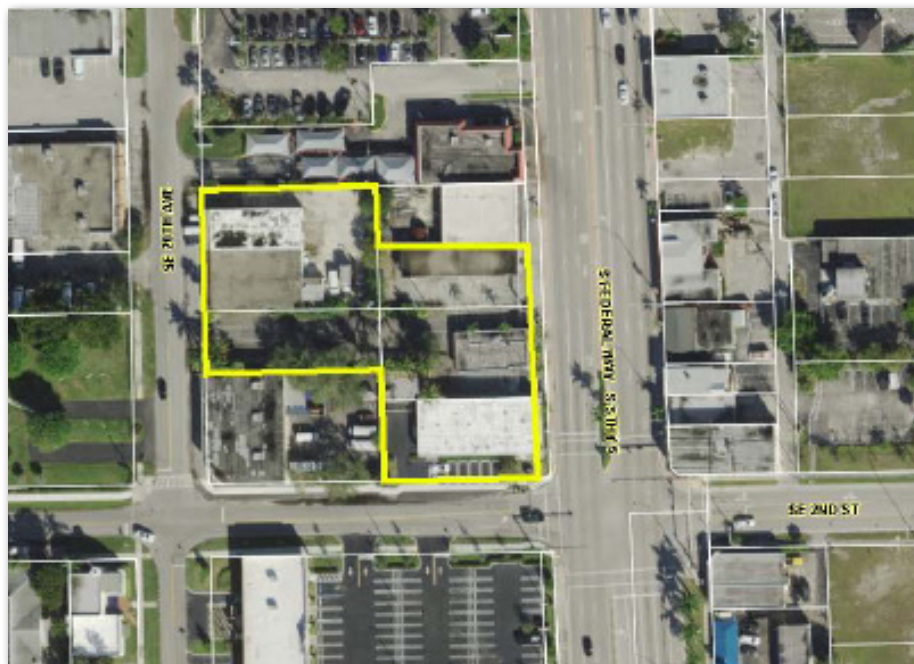
SERVICES:

- Civil Engineering, Surveying and Landscaping

STATUS: Awaiting August Contract Approval

REFERENCE:

Mr. John Sfiropoulos, PE
City Engineer
City of Pompano Beach
1201 N.E. 5th Avenue
Pompano Beach, Florida 33060
954-545-7009
John.Sfiropoulos@copbfl.com



US 1 TRANSIT HUB LOCATION MAP

City of Pompano Beach, FL Gateway Drive Drainage Improvements

The City of Pompano Beach is implementing projects associated with the Stormwater Master Plan as prepared by Chen-Moore & Associates. As part of the Master Plan, Study Area 6 – Gateway Drive was identified as an area which has little existing drainage and reported problems with widespread and extended roadway ponding. The commercial and industrial area is bounded by West McNab Road to the south, by Powerline Road to the East, by SW 36th Avenue to the west and by the SFWMD C-14 Canal to the north. Broward County Water Control District #4 (BCWCD#4) owns and maintains an existing canal that runs north-south in the center of the Gateway Drive area and along the east side of an existing lake. The stormwater model recommended exfiltration trench along many of the side streets and along Gateway Drive. Also recommended are stormwater inlets and piping with a positive discharge outfall to the BCWCD#4 Canal.

Baxter & Woodman reviewed the assumptions made and the study data in the Stormwater Master Plan as it relates to the Gateway Drive area; reviewed the improvement recommendations made for the proposed exfiltration trench and piping with positive outfall discharge; re-ran the stormwater modeling utilizing the Stormwater Management Model (SWMM) computer program; provided the results and our recommendations to the City for stormwater improvements to the Gateway Drive area in preliminary design report and electronic (GIS) formats.

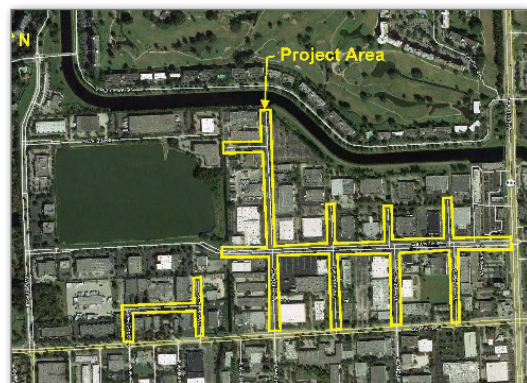
The purpose of the project is to review and refine the previous modeling efforts and provide a preliminary design for improvements to the Gateway Drive drainage system that will maximize the effectiveness of the exfiltration trench; provide for the best use of less expensive swales where appropriate; and interconnect proposed drainage pipe and inlet improvements with a positive drainage outfall. Topographical survey and geotechnical analysis will also be completed in the project area as part of this work effort. Design has been completed, and the project is in the permitting phase.

HIGHLIGHTS:

COMPLETED: Design completed;
in permitting phase

REFERENCE:

**Ms. Tammy Good, PMP, MSCM,
CGC, LEED AP
CIP Manager
City of Pompano Beach
1201 N.E. 5th Avenue
Pompano Beach, Florida 33060
(954) 786-5512
Tammy.Good@copbfl.com**



City of Pompano Beach, FL Kendall Lake Neighborhood Drainage Improvements

The City of Pompano Beach implemented projects associated with the Stormwater Master Plan. As part of the Master Plan, Study Area 7 - Kendall Lake Neighborhood was identified as an area which experiences roadway flooding; and the existing lake does not have a positive outfall connection. The neighborhood is located on either side of NW 3rd Avenue between NW 21st Street and NW 16th Street.

Baxter & Woodman reviewed the assumptions made in the Stormwater Master Plan as it relates to the Kendall Lake Neighborhood and developed six (6) alternative designs and re-ran the stormwater model utilizing EPA's Stormwater Management Model (SWMM) computer program. The results and our recommendations were provided to the City for improvements to the Kendall Lake Neighborhood in a preliminary design report (PDR).

Baxter & Woodman then performed detailed design including plans, specifications and cost estimates at 60%, 95% and 100% design phases. Public Outreach services were also included. Permitting services were provided to obtain an Environmental Resource Permit (ERP) and a Surface Water License from Broward County as well as a dewatering permit from the South Florida Water Management District. The ERP approval required special analyses to address water quality in the Pompano Canal which has been designated and an Impaired Water Body.

The design has been completed, and the project is currently in the permitting phase.

HIGHLIGHTS:

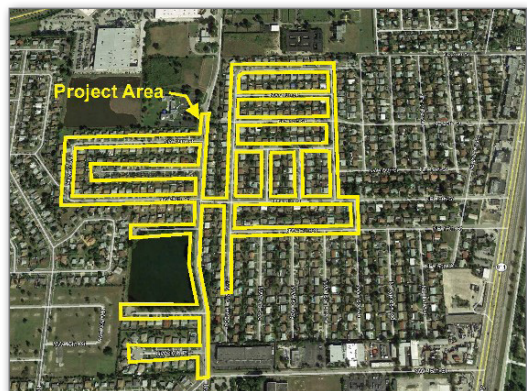
SERVICES:

- Review of study data, improvement recommendations, and discharge options
- Re-run of stormwater modeling
- Preliminary design report
- Topographical survey and geotechnical analysis

COMPLETED: Design completed; in permitting phase

REFERENCE:

**Ms. Tammy Good, PMP, MSCM,
CGC, LEED AP
CIP Manager
City of Pompano Beach
1201 N.E. 5th Avenue
Pompano Beach, Florida 33060
(954) 786-5512
Tammy.Good@copbfl.com**



City of Pompano Beach, FL Esquire Lake Drainage Improvements

The City of Pompano Beach selected Baxter & Woodman to prepare a Drainage Preliminary Design Report for the Esquire Lake Neighborhood. The Drainage Preliminary Design Report provided the recommended improvements to the Esquire Lake Neighborhood in order to address roadway flooding and standing water issues after rainfall events in the neighborhood. The Esquire Lake Neighborhood project limits is bounded on the east by Powerline Road, on the west by NW 27th Avenue, on the south by NW 6th Street, and the north by Martin Luther King Boulevard.

Alternative 3B was the recommended drainage alternative since it provides the most overall benefit in terms of roadway flooding. The design of the proposed improvement included installation of new drainage facilities 18"-42" (piping, catch basins, manholes, exfiltration trench, outfalls, etc.) swale grading and sodding, roadway reconstruction and pavement resurfacing, clearing and grubbing, dewatering, MOT, pavement markings and signage, compliance with permit conditions, testing, and all restoration work. The project included installation of 42" diameter drainage pipe within a 12-foot wide drainage easement running between homes. This required careful coordination and monitoring of the construction efforts to ensure a successful installation, to limit the City's liability, and to limit impacts to the adjacent homeowners.

Baxter & Woodman provided engineering design, permitting, bidding, public relations, State Revolving Loan documentation, and construction administration services for this project. The project was completed with a construction cost of \$2,829,223.34.

HIGHLIGHTS:

SERVICES:

- **SRF Support and Davis Bacon Wage Reporting Requirements**
- **Installation of New Drainage Facilities 18"-42"**
- **Roadway Reconstruction**
- **Public Involvement**

STATUS: Completed

REFERENCE:

**Ms. Tammy Good, PMP, MSCM,
CGC, LEED AP
CIP Manager
City of Pompano Beach
1201 N.E. 5th Avenue
Pompano Beach, Florida 33060
(954) 786-5512
Tammy.Good@copbfl.com**



City of Pompano Beach, FL Wastewater Master Plan

The City of Pompano Beach desired to develop a new Wastewater Master Plan to identify and plan for the necessary improvements required to meet future growth demands on their wastewater Utility System. The City contracted with Baxter & Woodman to develop and prepare the Master Plan. The general scope of the project was to evaluate the existing wastewater utility system (with focus on the wastewater lift stations, force main and transmission system) and to make recommendations for necessary improvements needed to maintain adequate level of service for the anticipated 20-year planning period.

HIGHLIGHTS:

STATUS: Completed

REFERENCE:

Mr. Randolph Brown
Utilities Director
City of Pompano Beach
1201 N.E. 5th Avenue
Pompano Beach, Florida 33060
954-545-7044
randolph.brown@copbfl.com

Specific tasks completed include the following:

- Evaluate historical data
- Summarize current and future wastewater collection regulatory requirements
- Identify wastewater system goals
- Perform capacity analysis of wastewater system
- Perform asset evaluation and assessment of existing structures and equipment
- Evaluate non-sewered areas
- Evaluate City I&I abatement program
- Project future wastewater flows
- Develop hydraulic model and evaluate future capacity needs
- Develop recommendation of improvements with associated costs and schedule
- Summarize grant opportunities for wastewater system improvements
- Review current wastewater system operations and make recommendations for improvements



City of Pompano Beach, FL Reuse System NE Expansion (Ph. II)

Baxter & Woodman provided the planning, design, and construction services for the expansion of the City's reuse water transmission and distribution system.

The City of Pompano Beach owns and operates a 7.5 mgd reuse water treatment and distribution system that supplies reuse water for irrigation use to golf courses, community parks, commercial properties, City medians, and residential areas. The City also has reuse water large user agreements with the City of Lighthouse Point. The City's reuse water is distributed to the customers through a high pressure piping network system composed of approximately 30 miles of pipes that ranged in size from 4-inch to 30-inch.

The project consisted of furnishing all labor, materials, equipment, and all incidentals and appurtenances to install new reuse water main piping and services. Additionally, the scope included swale grading, sodding, roadway restoration, pavement resurfacing, dewatering, MOT and pavement marking.

The reuse line was designed to be in the roadway. This required pavement trench repair and mill and resurface of one lane. The roadway south of NE 24th Street is under City of Pompano Beach jurisdiction and the roadway north of NE 24th Street is under the City of Lighthouse Point jurisdiction. We also provided new reclaimed water services and meter boxes.

HIGHLIGHTS:

SERVICES:

- **Planning, design, and construction services**
- **Installation of new reuse water main piping and services**
- **Swale grading**
- **Roadway restoration**

STATUS: Completed

REFERENCE:

**Mr. John Sfiropoulos, PE
City Engineer
City of Pompano Beach
1201 N.E. 5th Avenue
Pompano Beach, FL 33060
954-545-7009
John.Sfiropoulos@copbfl.com**



City of Pompano Beach, FL

A1A Water Main Improvements

The City of Pompano Beach had an existing 6-inch cast iron water main along SR A1A (from Dow St. to Bay Dr.) and an existing 6-inch cast iron water main along SR A1A from Beacon Street to Bay Drive. These two water mains also connected to the adjacent side streets from Dow Street to Spring Street. The City wanted to replace these two 6-inch cast iron water mains with two new 6-inch PVC C900 (DR 18) water mains. The new water mains would also connect to each side street and these connections would need to be restrained along each side street approximately 60 feet.

The City of Pompano Beach contracted with Baxter & Woodman to provide engineering design, permitting, surveying, geotechnical investigations, utility locates, and bidding services for the A1A Water Main Improvements project.

Project components consist of the following:

- 6-inch water main along SR A1A (from Dow Street to Bay Drive); approximately 2,500 ft.
- 6-inch water main along SR A1A (from Beacon Street to Bay Drive); approximately 1,500 ft.
- Decommission (i.e. abandon and grout) both 6-inch water mains along SR A1A.
- Connections will be made to the existing 12-inch water main at Dow Street and the existing 12-inch water main at Bay Drive, along with all the side streets in the project area.
- New water services will be installed to the existing meter boxes in the project area.
- Based on locations of existing underground utilities, the water main will be either installed in the grass areas or in the roadway.
- Fire hydrants and gate valves will be provided as required.

HIGHLIGHTS:

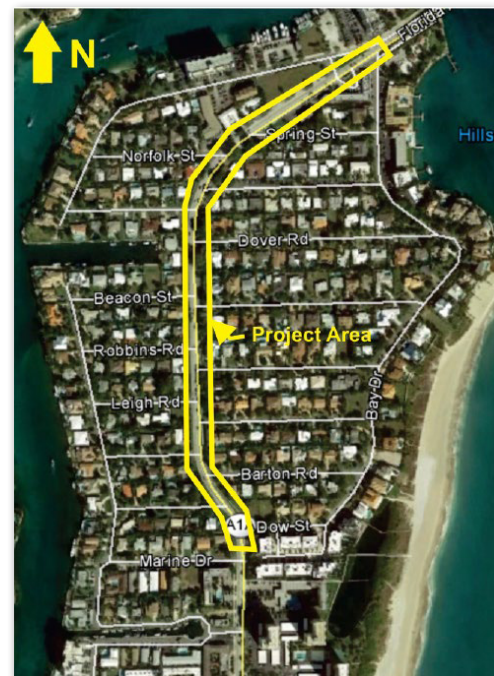
SERVICES:

- Two new 6-inch PVC C900 (DR 18) water mains
- Side street connections and restrained
- Engineering design, permitting, surveying, geotechnical investigations, utility locates, and bidding services
- Decommission of water mains

STATUS: Completed

REFERENCE:

Mr. John Sfiropoulos, PE
City Engineer
City of Pompano Beach
1201 N.E. 5th Avenue
Pompano Beach, FL 33060
954-545-7009
John.Sfiropoulos@copbfl.com



REFERENCES

Over 98 percent of our work is performed for repeat Clients! This high percentage demonstrates our ability to provide exceptional service to clients on a continual basis. We encourage the City of Pompano Beach to reach out to our references listed below.

Organization Name: City of Lauderdale-By-The-Sea
Contact Name: Mr. Kenneth Rubach, Public Works Director
Email Address: kenr@lbts-fl.gov
Address: 4501 N. Ocean Drive, Lauderdale-By-The-Sea, FL 33308
Telephone: 954-640-4200
Summary of Similar Projects: Roadway, Drainage, Sanitary Sewer Design Engineering Services, Data Collection/ADA Compliance Inventory and Inspection, and more

Organization Name: Town of Lake Park
Contact Name: Mr. Richard Scherle, Public Works Director
Email Address: rscherle@lakeparkflorida.gov
Address: 535 Park Avenue, Lake Park, FL 33403
Telephone: 561-881-3304
Summary of Similar Projects: Drainage System Design

Organization Name: City of Boynton Beach
Contact Name: Ms. Paola Mendoza, Associate Engineer
Email Address: MedzonaP@bbfl.us
Address: 3301 Quantum Blvd., Suite 101, Boynton Beach, FL 33426
Telephone: 561-742-6266
Summary of Similar Projects: Roadway Design Engineering, Grant Funding Assistance, Traffic Study, Drainage Improvement Design, and more

Organization Name: Town of Lantana
Contact Name: Ms. Deborah Manzo, Town Manager
Email Address: dmanzo@lantana.org
Address: 500 Greynolds Circle, Lantana, FL 33462
Telephone: 561-540-5004
Summary of Similar Projects: Various Engineering Services as Town Engineer, Water Supply Facilities Work Plan, Construction Administration Services

Organization Name: City of Delray Beach
Contact Name: Mr. Victor Majtenyi, Deputy Director of Public Works
Email Address: majtenyi@mydelraybeach.com
Address: 434 South Swinton Ave., Delray Beach, FL 33444
Telephone: 561-243-7328
Summary of Similar Projects: Water/Wastewater Engineering Services, Roadway Design Engineering, Hydraulic Modeling, CEI Services, and more

Organization Name: City of Lake Worth Beach
Contact Name: Mr. Felipe Lofaso, Assistant Public Services Director
Email Address: flofaso@lakeworthbeachfl.gov
Address: 1749 3rd Ave. South, Lake Worth Beach, FL 33460
Telephone: 561-586-1720
Summary of Similar Projects: Roadway Design Engineering, Construction Administration Services, Public Outreach, Permitting, and more

Organization Name: Village of Plainfield, IL
Contact Name: Mr. Allen Persons, Director of Public Works
Email Address: apersons@goplainfield.com
Address: 14400 Coil Plus Dr., Plainfield, IL 60544
Telephone: 815-436-3577
Summary of Similar Projects: PACE Park-n-Ride Facility Design Engineering, Construction Administration Services, Water Model and Master Plan, Sewer and Water Main Design Engineering, and more

Organization Name: Village of Jackson, WI
Contact Name: Mr. Brian Kober, Director of Public Works/Village Engineer
Email Address: dirpubwks@villageofjackson.com
Address: N168 W20733 Main Street, Jackson, WI
Telephone: 262-677-9001
Summary of Similar Projects: Park-n-Ride Commuter Lot Design Engineering, Grant Funding Assistance

Organization Name: City of Wilton Manors
Contact Name: Mr. David Archacki, Emergency Management/Utilities Director
Email Address: darchacki@wiltonmanors.com
Address: 2020 Wilton Drive, Wilton Manors, FL 33305
Telephone: 954-390-2190
Summary of Similar Projects: Utility Master Plan

Organization Name: City of Gulf Stream
Contact Name: Mr. Greg Dunham, Town Manager
Email Address: gdunham@gulf-stream.org
Address: 100 Sea Road, Gulf Stream, FL 33483
Telephone: 561-276-5116
Summary of Similar Projects: Wastewater Feasibility Study Update, Water Main Improvement Design Engineering, Septic to Sewer Study

Organization Name: Loxahatchee River District
Contact Name: Mr. Kris Dean, PE, Deputy Executive Director/Director of Engineering
Email Address: kris.dean@loxahatcheeriver.org
Address: 2500 Jupiter Park Drive, Jupiter FL 33458
Telephone: 561-747-5700 ext.110
Summary of Similar Projects: Gravity Sewer System Design Engineering, Surveying Services, Lift Station Rehabilitation Design, and more

Organization Name: Palm Beach County Water Utilities District
Contact Name: Mr. Henry Melendez, Palm Beach County
Email Address: hmelendez@pbcwater.com
Address: PO Box 16097, West Palm Beach, FL 33416
Telephone: 561-355-3623
Summary of Similar Projects: Repump Station Design Engineering, Permitting, Treatment Distribution System Improvements, Water Quality Improvements Design, and more

Organization Name: City of Boca Raton
Contact Name: Ms. Talia Garcia, Engineering Manager
Email Address: tgarcia@myboca.us
Address: 1401 Glades Road, Boca Raton, Florida 33431
Telephone: 561-393-7700
Summary of Similar Projects: System-Wide Hydraulic Model, Infrastructure Design Engineering Services, Lift Station Rehabilitation Design, Reclaimed Water Main System Improvements, and more



TAB 5: Project Team Form



PROJECT TEAM FORM

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

PROJECT TEAM

RLI NUMBER E-20-20

Federal I.D.# 36-2845242

PRIME

<u>Role</u>	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	Rebecca Travis, PE, ENV SP	36	BS, Civil Engineering
Project Manager	Jeffrey Hiscock, PE	34	BS, Mechanical Engineering
Project Manager	Sira "Jockey" Prinyavivatkul, PE	19	BS, Ocean Engineering
Asst. Proj. Manager	John Richards III, PE	13	BS, Civil Engineering
Asst. Proj. Manager	Courtney Marshall, PE	6	BS, Civil Engineering
Construct. Manager	Mark Dachsteiner, PE	34	BS, Mining Engineering

SUB-CONSULTANT

<u>Role</u>	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	Compass Point Surveyors 3710 Park Central Boulevard, Pompano Beach, FL 33064	Benjamin Wiser
Landscaping	Wayne Villavaso Landscape Architecture 268 Flamingo Drive, West Palm Beach, FL 33401	Wayne Villavaso
Geotechnical Engineering	Florida Engineer & Testing, Inc. 250 SW 13th Avenue, Pompano Beach, FL 33069	Christine Chang
Structural Inspections and Environmental Services	QuEST Engineering Services & Testing, Inc. 2737 NW 19th Street, Pompano Beach, FL, 33069	R. N. Sailappan, PE
Structural Bridge Design	Hardesty & Hanover 1000 Sawgrass Corporate Parkway, Suite 544, Sunrise, FL 33323	Henri Sinson, PE
Electrical Engineering	Electrical Design Associates, Inc. 8401 Lake Worth Road, Suite 221, Lake Worth Beach, FL 33467	Lillian Reyes, PE

(use attachments if necessary)



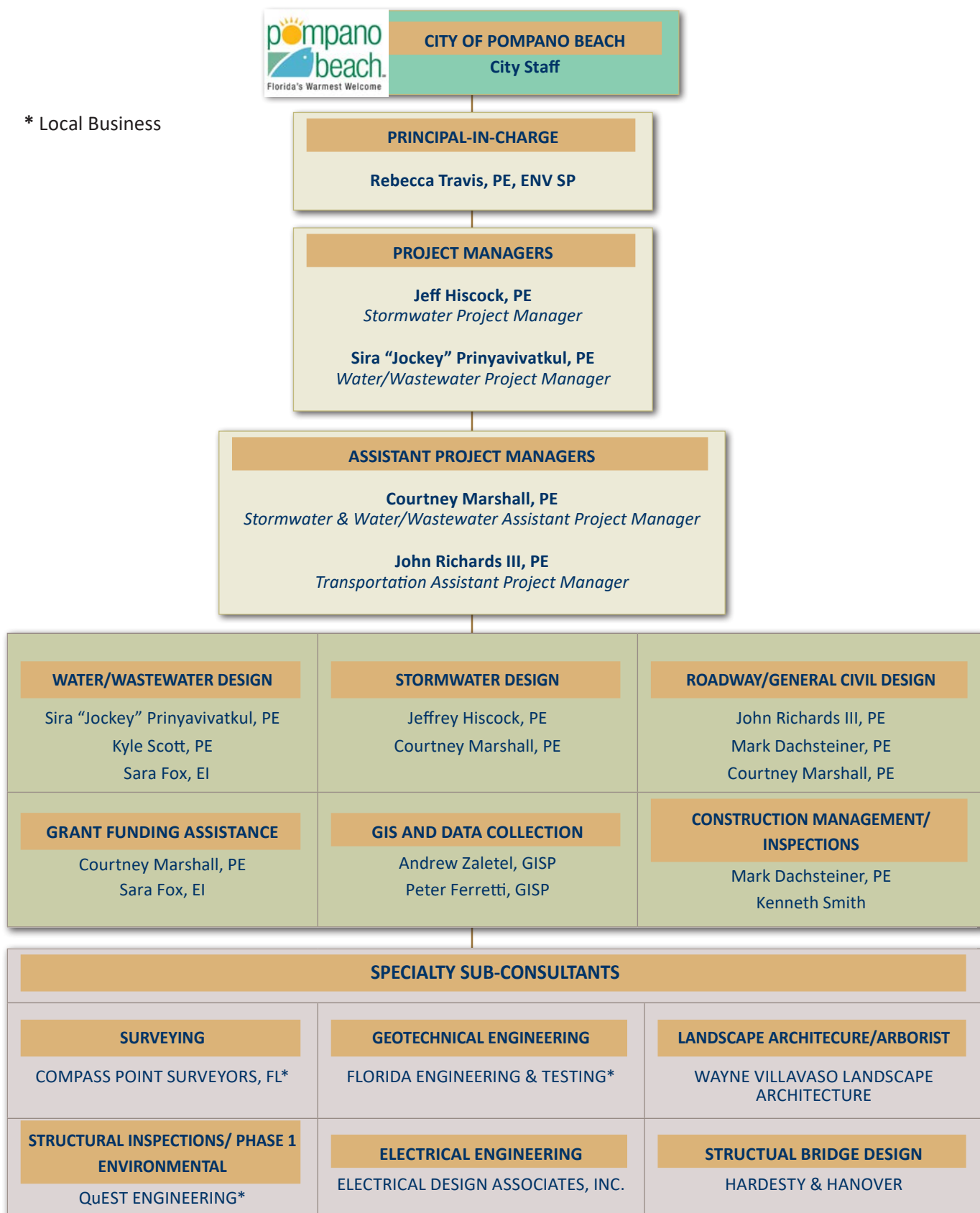
TAB 6

Organizational Chart



ORGANIZATIONAL CHART

* Local Business





TAB 7

Statement of Skills & Experience of Project Team



STATEMENT OF SKILLS & EXPERIENCE OF PROJECT TEAM

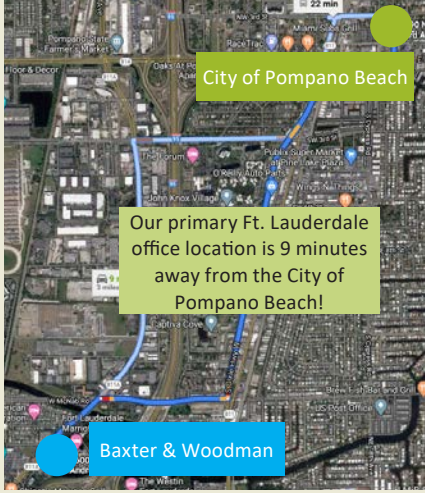
Baxter & Woodman specializes in consulting engineering, surveying, and technology services to municipalities, state agencies and county governments. With this public sector focus, we have developed the staff, resources and training to provide the full range of engineering and construction services required by today's municipalities and public agencies.

The firm's work force totals 280+ talented individuals made up of sanitary, civil, transportation, mechanical, structural, electrical, computer, and environmental engineers. The engineering staff is supported by trained technicians, licensed water and wastewater operators, licensed electricians, registered surveyors, GIS/GPS analysts, CAD operators, construction inspectors, and administrative assistants.

The firm is headquartered in Crystal Lake, Illinois. Regional offices are located in:

- Fort Lauderdale, FL
- West Palm Beach, FL
- Key West, FL
- Orlando, FL
- Chicago, IL
- Mokena, IL
- DeKalb, IL
- Peoria, IL
- Naperville, IL
- Burlington, WI
- Madison, WI
- Milwaukee, WI

PRIMARY OFFICE LOCATION



Our primary Ft. Lauderdale office location is 9 minutes away from the City of Pompano Beach!

**6600 North Andrews Ave., Suite 100
Fort Lauderdale, FL 33309**

**Main Point of Contact:
Rebecca Travis, PE, ENV SP
561-425-7715
rtravis@baxterwoodman.com**



**State of Florida
Department of State**


I certify from the records of this office that BAXTER & WOODMAN, INC. is an Illinois corporation authorized to transact business in the State of Florida, qualified on May 2, 2016.

The document number of this corporation is F16000002059.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 15, 2020, and that its status is active.

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

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Fifteenth day of January, 2020*



Ronald R. DeSantis
Secretary of State

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RICK SCOTT, GOVERNOR JONATHAN ZACHEM, SECRETARY



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


THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

BAXTER & WOODMAN, INC.
MATHEWS CONSULTING A BAXTER & WOODMAN COMPANY
8678 RIDGEFIELD ROAD
CRYSTAL LAKE IL 60012

LICENSE NUMBER: CA31795
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com



Do not alter this document in any form.
This is your license. It is unlawful for anyone other than the licensee to use this document.



**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.: **LB8175**
Expiration Date: February 28, 2021

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

BAXTER & WOODMAN, INC.
477 S ROSEMARY AVE STE 330
WEST PALM BEACH, FL 33401-5798

Nicole "Nikki" Fried
NICOLE "NIKKI" FRIED
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.

COMMITTED PROJECT PARTNERS

Our Project Team offers compatible backgrounds, capabilities, and philosophies consistent with the City's needs and requirements. We have established team member roles and responsibilities utilizing the following guidelines:

- Assignment and dedication of experienced project managers of each firm to specific work task(s). The project manager of each firm will be responsible for leading and performing the work.
- Best available technical expertise to ensure project quality.
- Extensive team experience on similar projects.

We have complimented our services for this Contract with the following Key Team Members to serve you on this assignment. A brief description and a summary table of our Team Participation is provided below:

Compass Point Surveyors (Surveying), a current team member on Pompano Beach projects, Compass Point produces quality, reliable and accurate surveys, and is a City of Pompano Beach business.

Florida Engineering & Testing (Geotechnical) have been on our team for Pompano Beach projects and we rely on them for accurate information and analysis of existing underground conditions related to the design efforts. FE&T is a minority-owned business and is located in the City of Pompano Beach.

Hardesty & Hanover (Structural Bridge Design) is included on the team for their experience in structural design and rehabilitation of all types of bridges and water crossings. Hardesty & Hanover's office is located in the City of Sunrise, Broward County.

Wayne Villavaso Landscape Architecture (Landscape Architecture and Arborist), WVLA has teamed with us over many years and provided arborist and landscape design services on a number of Pompano Beach projects. Wayne's firm brings to the team his experience in landscape and irrigation design for many types of municipal projects such as parking lots and parks. Wayne provides services for tree valuation and mitigation replacement estimates and holds a membership in ISA CSID (Membership#: 273220).

Electical Design Associates (Electrical), EDA is another long time team member. EDA has extensive experience in design of electrical and instrumentation systems for pumping stations and treatment facilities, and also provides design for site lighting, street lighting, sea turtle friendly lighting, and sports field lighting, EDA is a minority-owned business.

QuEST Engineering (Structural Inspection and Environmental Studies) is included on the team to provide Phase 1 and other environmental studies as well as provide structural field inspections during constuction. Their offices are located in the City of Pompano Beach and are a minority-owned business.

LOCAL & M/WBE PARTICIPATION

Baxter & Woodman fully supports the City's goal for including local and minority-owned business enterprises in the engineering services procurement process. We realize the benefits of providing local and minority businesses the opportunity to participate in larger and economically strong projects for the City. For this submittal, in addition to our Fort Lauderdale office location, we propose to provide 23% of the work to City of Pompano businesses; 33% of the work to Broward County local business and 23% to MBE team members with these commitments:

FIRM	LOCAL & M/WBE	% PARTICIPATION
Compass Point Surveyors	Local (Pompano Beach, Broward County)	10%
Florida Engineering & Testing	Local (Pompano Beach, Broward County) & MBE	8%
Hardesty & Hanover	Local (Sunrise, Broward County)	10%
Electrical Design Associates	MBE	8%
QuEST Engineering	Local (Pompano Beach, Broward County) & MBE	5%
TOTAL LOCAL PARTICIPATION - POMPANO BEACH		23%
TOTAL LOCAL PARTICIPATION - BROWARD COUNTY		33%
TOTAL MBE PARTICIPATION		23%

Our team's primary goal is to provide the City with an experienced, cost effective, responsive and accessible team that will help you improve and develop the best possible infrastructure to serve the City residents, while meeting your technical, budget, and schedule needs.

SIMILAR EXPERIENCE

City of Lauderdale-By-The-Sea, FL Palm Club Sanitary Sewer Improvements

The Town of Lauderdale-By-The-Sea contracted with Baxter & Woodman to provide data collection, engineering design, permitting, public participation & coordination, bidding assistance, construction administration, and part-time construction inspection services related to the Palm Club sanitary sewer system. Baxter & Woodman provided design services for a conventional gravity sewer system that collects the wastewater and conveys it to one new lift station located near the Marina. The lift station force main piping pumps the wastewater to an existing 18-inch force main located in S.R. A1A. The project included the following components:

- One new submersible lift station. Included installing a new wet-well, pump components, piping, valve box, valving, and control panel.
- Electrical telemetry/RTU design provided for the lift station.
- New 4-inch force main. The proposed force main will connect into the 18-inch force main located in S.R. A1A.
- New 8-inch sanitary sewer, manholes, and service laterals in the project area.
- Reconstruction/resurfacing of roadways as required.
- Approximately 100 residential units were sewered under this project.

HIGHLIGHTS:

SERVICES:

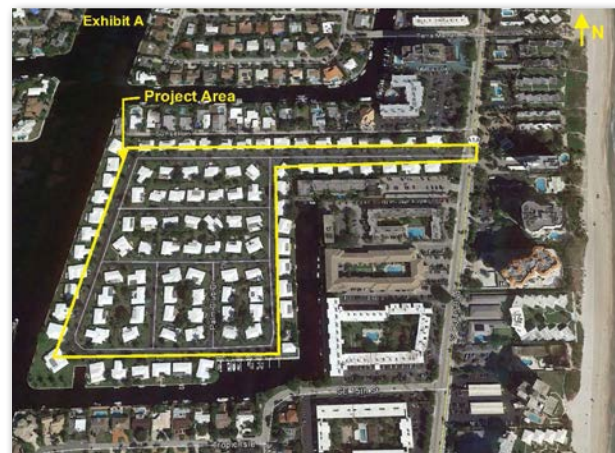
- Data collection, design, permitting, bidding assistance, construction administration, and construction inspection
- New submersible lift station
- New 4-inch force main
- Reconstruction/resurfacing of roadways
- Public participation & coordination

STATUS: In Progress

COST: \$382,732.00 (Total Contract Amount)

REFERENCE:

Mr. Kenneth Rubach
Public Works Director
Town of Lauderdale-By-The-Sea
4501 N. Ocean Drive
Lauderdale-By-The-Sea, FL 33308
954-640-4200
kenr@lbts-fl.gov



Town of Lake Park, FL**Lakeshore Drive Drainage System Design**

The Town of Lake Park contracted with Baxter & Woodman to provide engineering services for the design of drainage and other related improvements on Lakeshore Drive starting from the entrance of the Lake Park Marina north 3,220 feet to Castlewood Drive. Lake Shore Drive is prone to frequent flooding with road elevations ranging from 2.0 to 3.2 feet, NAVD. Concerns over the Sea Level Rise (SLR) prompted the Town to enlist our services to redesign the project. B&W designed a drainage system that includes a stormwater pumping station that pumps water up into a dry bioswale that overflows into the Intracoastal Waterway. B&W also provide grant assistance resulting a \$3.5 million Hurricane Mitigation Grant. Services included:

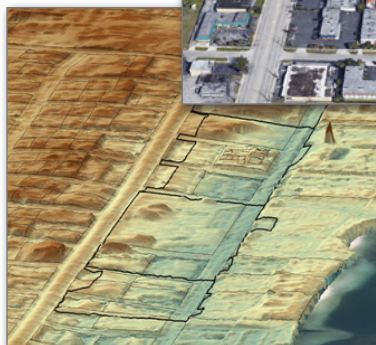
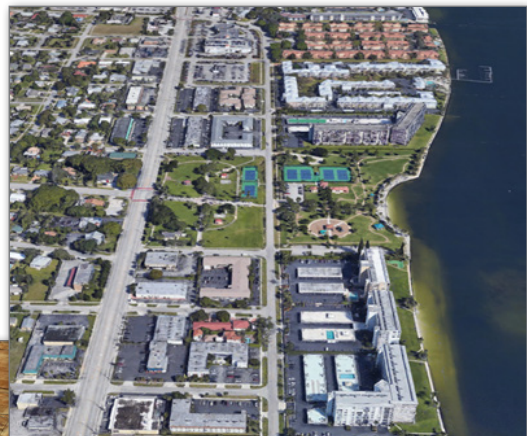
- Survey
- Drainage System Design
 - o ICPR4 Modeling
 - o Level of Service Assessment
 - o Sea Level Rise Evaluation
 - o Pipe and Pump Station Sizing
 - o Water Quality Improvements
- Pollution Control Device
- Dry Detention in Park
- Other Utilities
 - o Coordination with Seacoast Utilities
 - o Watermain and Sanitary Evaluation
- Roadway Design
 - o Roadway Replacement/Mill and Overlay
 - o US 1 Corridor Coordination
 - o Sidewalks and Bike Paths
 - o Landscaping and Irrigation
 - o Lighting
- Permitting
 - o ERP and Dewatering - SFWMD
 - o Submerged Lands - COE
 - o PBCHD
 - o Building Department
- Public Outreach
- Construction Services

HIGHLIGHTS:**SERVICES:**

- **Drainage System Design, Surveying, Roadway Design, Permitting, Construction Services**
- **Grant assistance resulting in \$3.5M Hurricane Mitigation Grant**

STATUS: In Progress**COST: \$306,701.00 (Total Contract Amount)****REFERENCE:**

Mr. Richard Scherle
Department of Public Works
Town of Lake Park
535 Park Avenue
Lake Park, FL 33403
(561) 881-3304
rscherle@lakeparkflorida.gov



City of Boynton Beach, FL High Ridge Road Conceptual Design Study and Grant Funding Assistance

The City of Boynton Beach contracted with Baxter & Woodman for a conceptual design study to improve the High Ridge Road project area.

The improvements will consist of milling and resurfacing the pavement and maintaining the existing four lanes and landscaped median along High Ridge Road from NW Commerce Park Drive to 25th Avenue. The City requested removing the existing trees on the landscaped median and replace with low growing shrubs to improve sight distance. From 25th Avenue to Miner Road, the City would like to explore a possible 4 lane section along High Ridge Road, while maintaining left turn channelization at the intersections.

The project scope of services include data collection, traffic and accident analysis, alternative analysis, concept design of preferred alternative, grant application assistance, meetings and public involvement, concept report, QA/QC and project management.

In regards to grant application assistance, Baxter & Woodman is assisting the City by applying for TPA Grant funding.

HIGHLIGHTS:

SERVICES:

- Concept Design
- Grant Funding Assistance

STATUS: In Progress

COST: \$94,561.00 (Project Fee)

REFERENCE:

Ms. Paola Mendoza
Associate Engineer
City of Boynton Beach
3301 Quantum Blvd., Suite 101
Boynton Beach, FL 33426
561-742-6266
MedzonaP@bbfl.us



Town of Lantana, FL**General Engineering Services**

Baxter & Woodman, as the Town Engineer for the Town of Lantana, provides drainage permit review for all proposed construction projects within the Town. As the consulting engineer representative on the Town's Plan Review Committee, Baxter & Woodman reviews site plan and variance applications for commercial and multi-family projects. Baxter & Woodman also coordinates and acts as the Town's liaison with other local governmental agencies on an as needed basis.

Site Plan & Variance application reviews include:

- RaceTrac - commercial
- Aura Seaside – multi-family/mixed use
- Palm Beach Maritime - school
- Ahrens Companies – maintenance facility
- Maranatha Bible Church – church
- The Village – assisted living facility
- Lantana Commons – mixed use

Drainage Permit reviews include:

- Winnerman Residence
- Dunn Residence
- Ahrens Maintenance Facility – commercial
- 702 South Dixie Highway – parking lot
- Holiday Inn Express – commercial
- Family Dollar – commercial
- Vilagi Residence
- 322 North Atlantic Drive – Residence
- 961 Lands End Road – Residence
- Locke Residence
- 719 Pelican Lane - Residence
- 504 West Drew Street - multi-family

FDOT coordination work includes:

- Dixie Highway drainage improvements to address runoff from FDOT ROW onto local roadways
- Modifications to I-95 weir structure to address regional drainage impacts to Town drainage facilities.

HIGHLIGHTS:**SERVICES:**

- **Various General Engineering Services**

STATUS: Ongoing**COST: \$44,925.00 (Representative Year)****REFERENCE:**

Ms. Deborah Manzo
Town Manager
Town of Lantana
500 Greynolds Circle
Lantana, FL 33462
561-540-5004
dmanzo@lantana.org

Palm Beach County liaison work includes:

- Coordination regarding Palm Beach County Traffic Division approval for RaceTrac service station
- Coordination regarding Palm Beach County Traffic Division approval for Lantana Commons mixed-use facility
- Coordination regarding fire lane access and utility availability for Aura Seaside multi-family/mixed use facility

Florida Department of Environmental Protection – preparation of the annual report for the Town's NPDES permit, 2003 - Present.

City of Delray Beach, FL

Basin No. 86 Water /Wastewater Capacity Analysis

Developers were considering redevelopment of the Sherwood Forest Golf Course to include the construction of 85 single-family homes. Baxter & Woodman assisted the City with evaluating the capacities of the existing water and wastewater systems within the Basin No. 86 sub-service area and to provide recommended upgrades, if any, to accommodate the proposed redevelopment.

The analysis included the development of water and wastewater hydraulic models, which incorporated the existing water or force main layout and lift stations located within the Basin No. 86 sub-service area. Baxter & Woodman developed the water hydraulic model using the Infowater® software program and the wastewater hydraulic model using the Bentley WaterCad® Ver. 8.0 software program. With the hydraulic evaluation, our team was able to recommended upgrades to the City's water distribution and wastewater collection systems to accommodate the proposed redevelopment of the Sherwood Forest Golf Course.

The improvements to be completed at Basin No. 86 sub-service area focused on efficient and reliable water distribution and wastewater collection systems at a reasonable cost without adverse environmental impacts. The proposed modifications to the wastewater collection system were selected and configured to optimize the flexibility of operation and control of the pumping system including eliminating the potential for lift station overflow and subsequent discharge of wastewater. The recommendations included pump, wet well and force main sizing, water main sizing, water main looping connections, water main upsizing, preliminary site layout, figures and engineers opinion of probable cost.

HIGHLIGHTS:

SERVICES:

- **Water & Wastewater Capacity Analysis**
- **Hydraulic Models**
- **Service Area Population: 1,900**

STATUS: Completed

COST: \$37,859.00 (Total Contract Amount)

REFERENCE:
Mr. Victor Majtenyi
Deputy Director of Public Utilities
City of Delray Beach
434 South Swinton Ave.
Delray Beach, FL 33444
561-243-7328
majtenyi@mydelraybeach.com



WASTEWATER FORCE MAIN AND LIFT STATIONS



WATER MAIN DISTRIBUTION SYSTEM

Town of Lantana, FL

10-Year Water Supply Facilities Work Plan

In 2011, the Town authorized Baxter & Woodman, Inc. (B&W) to prepare a "10-Year Water Supply Facilities Work Plan" to comply with update requirements for the Town's Comprehensive Plan and to coordinate with South Florida Water Management District's (SFWMD's) Regional Lower East Coast (LEC) Water Supply Plan. The Work Plan was completed in March 2013. On September 12, 2013, SFWMD updated the LEC Water Supply Plan. The Town contracted with B&W in 2014 to update the Town's 10-Year Water Supply Facilities Work Plan and the Town's Comprehensive Plan to incorporate the updated water supply plan/projects identified in the LEC. The Work Plan was revised in April 2014, September 2014 and March 2015.

SFWMD recently updated the LEC Water Supply Plan, and the District's Governing Board approved the update on January 11, 2019. Within 18 months after the Governing Board approves an updated regional water supply plan, each local government must amend their comprehensive plan to incorporate the updated water supply plan/projects identified in the LEC.

The Town contracted with B&W to provide engineering services to update the Town's 10-Year Water Supply Facilities Work Plan and Comprehensive Plan as required by SFWMD. Specific project tasks included:

- Reviewing historical water demand and consumption data to establish updated water level of service (LOS) and project future water needs / demands
- Water System Condition Assessment
- Hydraulic Modeling

The summary of the assessments performed were used to update the Town's 10-Year Water Supply Facilities Work Plan, including the Town's 10-Year Capital Improvement Program for potable water improvements. The updates to the Water Supply Facilities Work Plan were then translated to updates to the Town's Comprehensive Plan for formal adoption by the Town. Both the updated 10-Year Water Supply Facilities Work Plan and Comprehensive Plan Updates were submitted to SFWMD as required.

HIGHLIGHTS:

STATUS: Completed

COST: \$39,037.00 (Project Fee)

REFERENCE:

Mr. Jerry Darr
Utilities Assistant Director
Town of Lantana
510 W. Pine Street
Lantana, Florida 33462
561-540-5758
jdarr@lantana.org



**City of Lake Worth Beach, FL
\$40 Million Neighborhood Street Program -
District 2, 4 Years**

The City of Lake Worth Beach selected Baxter & Woodman, Inc. to provide engineering design, permitting, public involvement, bidding and construction inspection and administration services for the City of Lake Worth Beach Neighborhood Road Program – District 2.

Baxter & Woodman performed these services for the work required in the northwest quadrant of the City over a 4-year period, funded by a \$40 million bond issue obtained by the City. Pre-design meetings were conducted with the public to identify their concerns and preferences for the type of work to be completed.

Utilizing visual inspection, a determination of the Pavement Condition Index (PCI), and coordination between the required utility and pavement improvements, work was completed on over 41,000 LF of roadway. The design work included various potable water main and stormwater improvements; traffic calming; roadway mill and overlay or reconstruction; curbing; sidewalk improvements for ADA compliance; signing and pavement markings.



HIGHLIGHTS:

SERVICES:

- Engineering Design & Permitting
- Construction Inspections
- Public Outreach

STATUS: Completed

COST:

- District 2, Year 1 Construction Cost = \$1,737,274.83
- District 2, Year 2 Construction Cost = \$1,902,093.57
- District 2, Year 3 Construction Cost = \$1,273,690.38
- District 2, Year 4 Construction Contract Amount = \$2,316,601.39

**TOTAL CONSTRUCTION COST
DISTRICT 2 YEARS 1 – 4 =
\$7,229,660.17**

REFERENCE:

**Mr. Felipe Lofaso
Assistant Public Services Director
City of Lake Worth Beach
1749 3rd Ave. South
Lake Worth Beach, Florida 33460
(561) 586-1720
(561) 586-1702 (Fax)
flofaso@lakeworthbeachfl.gov**

Town of Lantana, FL Lantana Sports Facility

The Town of Lantana has contracted with Baxter & Woodman to provide design, permitting and construction services for the Lantana Sports Facility.

Due to the sale of the property where the current sports fields reside, the Town is building new facilities on the adjacent 11 acre site consisting of three (3) lighted baseball fields, two (2) lighted soccer fields, concession/restroom building, batting cages, parking lot, water, sewer, paving, grading, drainage, landscape and irrigation. The project services include site clearing, tree mitigation and gopher tortoise survey and relocation to the adjacent gopher tortoise preserve area.

The project budget is very tight and is funded solely by State grant monies and developer agreement funds. The State funding is further restricted by the schedule of completion. Baxter & Woodman assisted the Town with the required information reporting for the grant.

Baxter & Woodman and their design team is providing site civil, sports lighting, MEP, and sports field engineering design services; architectural, landscape and irrigation design services; surveying; permitting; coordination with FPL; bidding and construction administration and inspection services for the complete project development.

Bids were received on April 9, 2015 and the low bid price was \$2,983,487. Construction of the project has been completed.



HIGHLIGHTS:

SERVICES:

- Sports Field Engineering Design Services
- Grant Assistance

STATUS: Completed

CONSTRUCTION COST: \$2,983,487

REFERENCE:
Ms. Deborah Manzo
Town Manager
Town of Lantana
500 Greynolds Circle
Lantana, FL 33462
561-540-5004
dmanzo@lantana.org



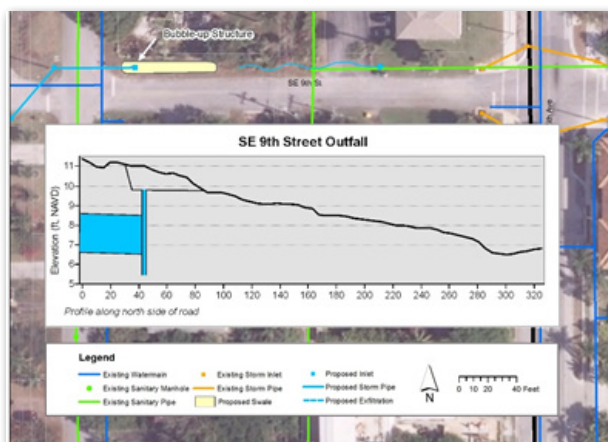
City of Delray Beach, FL Osceola Neighborhood Improvements

The City of Delray Beach contracted with Baxter & Woodman to improve the roadways and infrastructure within the Osceola Neighborhood including approximately five miles of roads and alleyways within an older established area of the City. The project is located on a coastal ridge characterized with well drained soils. However, development of streets and homes have altered the natural drainage patterns and resulted in several areas of trapped runoff.

Drainage problems were identified by performing a GIS ponding assessment of LiDAR information and by performing hydrologic and hydraulic modeling using Inter-connected Ponding Routing (ICPR4) model. The results compared favorably with residents' accounts.

The City directed Baxter & Woodman to minimize the use of swales within the project area because of residents' penchant to park along the road and fill in the swales. The City also requested that new drainage infrastructure be minimized to save costs. Baxter & Woodman responded by taking advantage of the geology and topography of the area and designing exfiltration systems located in key areas intended to eliminate flooding, provide water quality, and restore flow patterns by utilizing bubble-up structures where pre-development runoff normally discharged.

The design was completed in 2019 and is currently in construction.



HIGHLIGHTS:

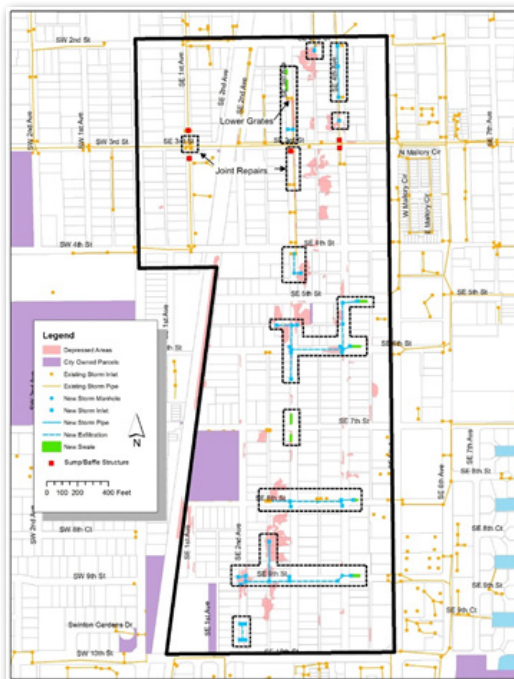
SERVICES:

- Roadway and Infrastructure Improvements
- Hydraulic Modeling (ICPR4)

STATUS: In Construction

COST: \$815,530.00 (Total Contract Amount)

REFERENCE:
Ms. Begona Krane,
Project Engineer
City of Delray Beach
Environmental Services
434 S. Swinton Avenue
Delray Beach, Florida 33444
(561) 243-7000
krane@mydelraybeach.com



Village of Plainfield, IL PACE Park-n-Ride Facility

The Village of Plainfield hired Baxter & Woodman to design a new PACE Park-n-Ride Facility along Van Dyke Road. The new facility includes a parking lot accommodating 600 parking spots, commuter shelter, bus turnaround, and bus canopies. The project also consisted of intersection improvements at Van Dyke Road and the entrance to the Park-n-Ride Facility. Intersection improvements included right and left turn channelization along Van Dyke Road at the proposed entrance, traffic signal installation, and sidewalk extension to the proposed entrance.

The proposed entrance to the new Park-n-Ride Facility and bus turnaround was constructed with Portland cement concrete (PCC) and the remainder of the parking lot was constructed with hot-mix asphalt (HMA). Adequate detention was provided for full build-out of the parking lot. Best Management Practices were integrated to reduce runoff rates and protect aquatic habitats. A 12-inch water main was extended from Van Dyke Road and an 8-inch sanitary sewer was added along the access road that provides service to the new shelter. Additional improvements included high-efficiency LED lighting, security cameras integrated into the Village's existing system, and landscaping.

Baxter & Woodman conducted Phase I Project Report for the intersection improvements at Van Dyke Road and the proposed entrance and an Intersection Design Study for the signalized intersection. The project required IEPA permitting and coordination with Will County Soil and Water Conservation District and PACE.



HIGHLIGHTS:

**2020 ACEC-IL Engineering
Excellence Award Winner**



SERVICES:

- Phases I, II, and III
- Public outreach materials including a 3D rendering video
- Coordination with multiple agencies

STATUS: Completed

PROJECT VALUE: \$4,700,000

REFERENCE:

**Mr. Allen Persons
Director of Public Works
Village of Plainfield
14400 Coil Plus Dr.
Plainfield, IL 60544
815-436-3577
apersons@goplainfield.com**



Village of Jackson, WI**Park-N-Ride Commuter Lot (ID 1693-46-00(70))**

Baxter & Woodman, Inc. provided design and construction engineering services for the Village of Jackson's new Park-N-Ride lot constructed in 2013. The project included construction of a 168-stall lot with bus access, waiting shelter, and water quality pond.

- A storm water pond was included in the project to protect a nearby stream and wetlands.
- New lighting was included in the project. The perimeter of the lot was curbed and guttered to control storm water.
- A concrete pavement bus-way and prefabricated bus shelter fully accommodates Washington County's motor coach commuter access to Milwaukee.
- ADA, motorcycle, and bicycle accessibility are provided as part of the project design features.



A storm water pond was included in the project to protect a nearby stream and wetlands.



New lighting was included in the project. The perimeter of the lot was curbed and guttered to control storm water.



A concrete pavement bus-way and prefabricated bus shelter fully accommodates Washington County's motor coach commuter access to Milwaukee.

HIGHLIGHTS:**SERVICES:**

- **168-space Commuter Parking Lot**
- **Storm Water Pond**
- **New Lighting**
- **Prefabricated Bus Shelter**
- **CMAQ Federal Funding/Local Funding**
- **Developed to WisDOT standards with Local Program Management**

STATUS: Completed

CONSTRUCTION COST: \$449,000

REFERENCE:

Mr. Brian Kober
Director of Public Works/Village Engineer
Village of Jackson
N168 W20733 Main Street
Jackson, WI
262-677-9001
dirpubwks@villageofjackson.com



ADA, motorcycle, and bicycle accessibility were provided as part of the project design features.

Town of Lauderdale-By-The-Sea, FL Sidewalk Ramp/ADA Compliance Inventory

The Town of Lauderdale-By-The-Sea has requested Baxter & Woodman perform a Town-wide inventory and review of the sidewalk connections at street intersections and determine whether the connections are compliant with the Federal Americans with Disabilities Act (ADA).

An inventory of sidewalk connections was conducted in the field. The primary focus was along Bougainville Drive, Seagrape Drive, and Poinciana Street, but included all Town-owned and maintained sidewalk connections at street intersections within the Town limits. Ocean Dr. (SRA1A) and Commercial Boulevard rights-of-way were not included in this inventory as these are State owned roads. The figure below shows the project location map with identification numbers of all sidewalk connections included in this inventory.

The inspection of the curb ramps included measuring the sidewalk width with a tape measure, recording the cross and longitudinal slopes using a 'smart level', taking a photo of the ramp, and noting if there was an existing detectable warning and if the surface was uneven. Each curb ramp was denoted by street intersection and given a unique identification number. The field data was collected and incorporated in ArcGIS to provide an interactive online map to the Town where all recorded information on each curb ramp location is stored by location.

HIGHLIGHTS:

SERVICES:

- ADA Compliance Inventory
- Data Collection

STATUS: Completed

COST: \$14,980.00 (Project Fee)

REFERENCE:

Mr. Kenneth Rubach
Public Works Director
Town of Lauderdale-By-The-Sea
4501 N. Ocean Drive
Lauderdale-By-The-Sea, FL 33308
954-640-4200
kenr@lbts-fl.gov

YEAR 2020 SIDEWALK RAMP/ADA COMPLIANCE INVENTORY
Town of LAUDERDALE-BY-THE-SEA, FL



Town of Lauderdale-By-The-Sea, FL El Mar Drive Design Services

The Town of Lauderdale-By-The-Sea selected EDSA, Inc. to perform landscape and hardscape design, planning, and civil engineering design and construction services for the re-design of 4,800 linear feet of El Mar Drive from Pine Avenue to Palm Avenue.

Baxter & Woodman, Inc. is on EDSA's team to provide the civil engineering services for the project including surveying, preliminary design, detailed design, public outreach, permitting, and bidding assistance services for roadway, drainage, and sanitary sewer lateral replacement improvements within the Town-owned road rights-of-way.

Baxter & Woodman's Engineering Services includes the following primary tasks:

- **Task 1** – Meetings and Coordination
- **Task 2** – Data Collection
- **Task 3** – Preliminary Design
- **Task 4** – Final Design Services
- **Task 5** – Permitting (Stormwater License-Broward County; Environmental Resource Permit (SFWMD/Broward County); Dewatering Permit (SFWMD); Traffic Department (Broward County))
- **Task 6** – Public Outreach During Design Phase
- **Task 7** – Construction Manager at Risk (CMAR) Coordination
- **Task 8** – Construction Management Services
- **Task 9** – Construction Inspection Services
- **Task 10** – Public Outreach During Construction Phase

HIGHLIGHTS:

SERVICES:

- **Roadway/Drainage/Sanitary Sewer Improvements**
- **Data Collection**
- **Permitting**

STATUS: In Progress

COST: \$192,456.00 (Total Contract Amount)

REFERENCE:

**Mr. Kenneth Rubach
Public Works Director
Town of Lauderdale-By-The-Sea
4501 N. Ocean Drive
Lauderdale-By-The-Sea, FL 33308
954-640-4200
kenr@lbts-fl.gov**

City of Wilton Manors, FL Integrated Utility Master Plan

Baxter & Woodman provided engineering and GIS services to produce a combined Water, Wastewater, and Stormwater Master Plan for the City of Wilton Manors. Wilton Manors is located within Broward County and is surrounded by the North and South Forks of the Middle River. The project included a detailed sanitary sewer Infiltration & Inflow (I&I) Study using GIS to geocode addresses of water services that lie within sanitary lift station zones and using spatial statistical functions to compare the water usage to the lift station records and identify areas where groundwater inflow may be occurring within the sanitary system. A GIS hydrant analysis was performed using GIS proximity functions to determine where additional hydrants are needed based on maximum separation standards.

GIS datasets of land use, soils, topography (LiDAR) and infrastructure were used with customized GIS algorithms to create hydraulic and hydrologic model data for the entire City. Algorithms were built using ArcGIS Model Builder and Python code to produce datasets for stagearea tables, time of concentrations, imperviousness, and runoff curve numbers based on soil characteristics, land use, and depths to the water table. Since the Middle River is tidal, there are concerns regarding Sea Level Rise (SLR) in areas that are already impacted by king tides. Interconnected Pond Routing Program (ICPR4) was used to assess the existing conditions and future conditions using a GIS future land use dataset and assumptions for SLR based on The Army Corps of Engineers predictions. Short-term and long-term improvements were recommended based on the modeling results in terms of improving the City's overall roadway Level of Service (LOS).

HIGHLIGHTS:

SERVICES:

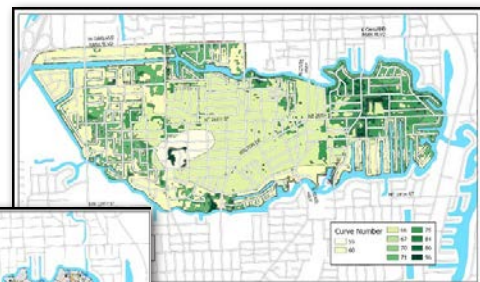
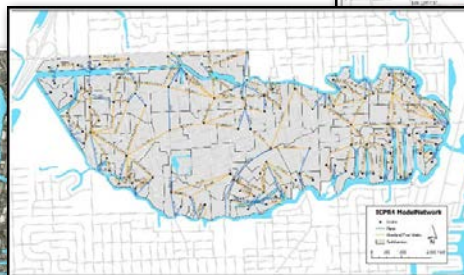
- Engineering and GIS services
- Detailed sanitary sewer I&I Study
- GIS hydrant analysis
- Hydraulic and hydrologic model data created using customized GIS algorithms (ArcGIS and Python)

STATUS: Completed

COST: \$309,851.00 (Total Contract Amount)

REFERENCE:

Mr. David Archacki
Emergency Management/Utilities
Director
City of Wilton Manors
2020 Wilton Drive
Wilton Manors, FL 33305
954-390-2190
darchacki@wiltonmanors.com



City of Gulf Stream, FL Wastewater Feasibility Study Update

Baxter & Woodman completed a Wastewater Feasibility Study for the Town in 2002, which evaluated the feasibility of installing a wastewater collection system throughout the Town's service area. In 2019, the Town has requested Baxter & Woodman update the report to reflect today's current design standards and construction costs.

The project consists of evaluating the service area and wastewater flows including future growth and buildout conditions to establish future service area conditions, and estimate wastewater flows for existing and future conditions. The project also consists of providing a preliminary layout and design of wastewater collection systems to service the Town's service area, preliminary capital cost evaluation for the proposed system layouts and flow routing options, identifying potential regulatory impacts to constructing a new wastewater collection system, and developing a final report documenting the results.

HIGHLIGHTS:

STATUS: Completed

COST: \$32,265.00 (Total Contract Amount)

REFERENCE:

REFERENCE:

Mr. Greg Dunham

Town Manager

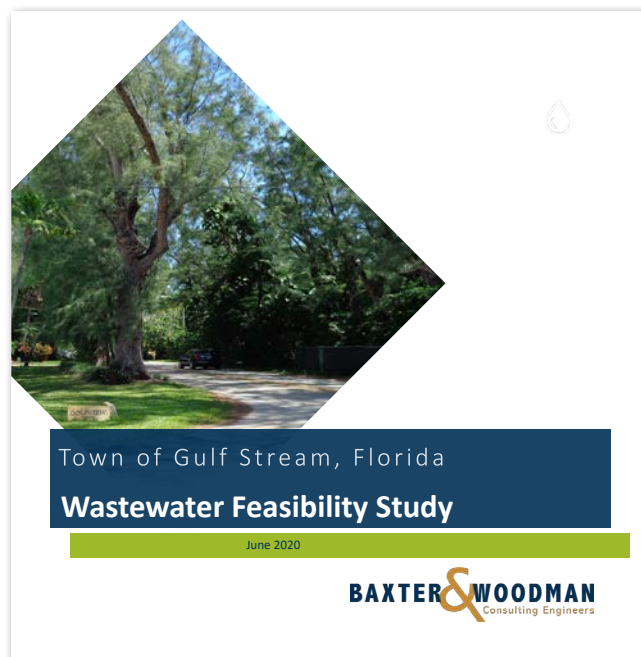
Town of Gulf Stream

100 Sea Road

Gulf Stream, FL 33483

561-276-5116

gdunham@gulf-stream.org



Loxahatchee River District, FL Whispering Trails Gravity Sewer System

The Loxahatchee River Environmental Control District (District) identified the Whispering Trails neighborhood as part of an assessment program that will provide collection system gravity sanitary sewer services for this area, so that the outdated septic systems could be taken out of service. The conventional gravity sewer system collects the wastewater and conveys it to a new lift station located within a new roundabout at the intersection of Wood Lake Road/ Trails End Terrace.

The lift station then pumps the wastewater to the 4-inch force main located at the intersection of Wood Lake Road and Loxahatchee River Road. 181 residential units were sewered under this project. Over 1,600 LF of new force main piping was installed, as well as over 11,000 LF of gravity sewer piping. The project included total road reconstruction throughout the neighborhood per Palm Beach County Roadway Standards.

HIGHLIGHTS:

SERVICES:

- 180+ residential units sewered
- 1,600+ LF of new force main piping installed
- 1,100+ LF of gravity sewer piping installed
- Total road reconstruction

STATUS: Completed

COST: \$502,677.00 (Total Contract Amount)

REFERENCE:

Mr. Kris Dean, PE
Deputy Executive Director/Director
of Engineering
Loxahatchee River District
2500 Jupiter Park Drive
Jupiter, FL 33458
561-747-5700 ext.110
kris.dean@loxahatcheeriver.org



Town of Gulf Stream, FL**SR A1A Water Main Improvements (Ph. II)**

The Town of Gulf Stream identified the need for replacement of an existing 6-inch water main along SR A1A with a 12-inch water main and replacement of existing 6-inch water mains along Sea Road, North County Road, and Little Club Road with an 8-inch water main. The Town requested that Baxter & Woodman provide data collection, design, permitting, and bidding in the execution of this project. The infrastructure improvements included: design of a 12-inch water main on SR A1A and design of 8-inch water mains on Sea Road, North County Road, and Little Club Road; directional drill in select areas; connect to side roads; tree preservation; coordination with FDOT; re-connection to the existing emergency interconnect; fire hydrants, valves, and water services; and driveway repairs.

**HIGHLIGHTS:****SERVICES:**

- Replacement of 6-inch with 8-inch and 12-inch water mains
- Data collection, design, permitting, and bidding services
- Directional drilling
- Coordination with FDOT

STATUS: In Construction

CONSTRUCTION COST: \$1,900,000

DESIGN FEE: \$123,433.00

REFERENCE:

Mr. Greg Dunham
Town Manager
Town of Gulf Stream
100 Sea Road
Gulf Stream, FL 33483
561-276-5116



Palm Beach County Water Utilities District, FL Master Repump Station 9-North

Baxter & Woodman to provided data collection, engineering design, permitting and bidding services for the upgrades and improvements to Master Station 9-North which is located in Boca Raton.

The improvements included the replacement of plug valves, check valves, variable frequency drives, electric panels, automatic transfer switch, emergency generator, louvers, HVAC, exterior doors, hardening of building, stucco and painting of building, addition of station bypass connections and fifth inline booster pump.



HIGHLIGHTS:

STATUS: In Progress

COST: \$266,414.21 (Total Contract Amount)

REFERENCE:

**Mr. Henry Melendez
Palm Beach County
Water Utilities Department
PO Box 16097
West Palm Beach, Florida 33416
561-355-3623
hmelendez@pbcwater.com**



Palm Beach County Water Utilities District, FL Lift Station No. 393, 1023 and 8168 (Abidjan Estates) Improvements

Baxter & Woodman provided engineering services to improve the conditions of three (3) existing lift stations throughout Palm Beach County.

Lift Station 393 was located along the northbound lane of Drexel Road within the County right-of-way in West Palm Beach. PBCWUD desired to relocate the lift station into an easement, outside of the road right-of-way. A location was identified west of the west right-of-way line. Baxter & Woodman designed the demolition of the existing lift station, conversion of the existing wetwell to a manhole, installation of the new lift station and associated equipment, gravity sewer main and new force main to tie to the new lift station.

Lift Station 1023 is a dry pit/submersible type lift station located between the rear lots of two adjacent residential properties. PBCWUD requested that the existing lift station be modified to meet PBCWUD's latest standard for lift stations. Baxter & Woodman redesigned the existing lift station by utilized the existing wetwell for the new lift station and demolishing and abandoning the existing dry pit.

Lift Station 8168 is located in Belle Glade within a residential development currently known as Abidjan Estates. The lift station required rehabilitation to the existing wet well, valve vault, electrical, and instrumentation and controls. PBCWUD requested that Baxter & Woodman reconfigure the site to meet PBCWUD's latest standards and to ensure the pumps meet the current demands.

HIGHLIGHTS:

STATUS: In Progress

COST: \$191,739.00 (Total Contract Amount)

REFERENCE:

Mr. Henry Melendez

Palm Beach County

Water Utilities Department

PO Box 16097

West Palm Beach, Florida 33416

561-355-3623

hmelendez@pbcwater.com



City of Boca Raton

System-Wide Force Main Model Hydraulic Model

The City of Boca Raton owns and operates 241 wastewater lift stations - the utility service area includes all service connections within the City's corporate limits as well as additional connections outside of the City's limits. Baxter & Woodman has prepared specific force main hydraulic models under previous work orders. These evaluations were performed to determine the current wastewater demands as well as the future capacity demands, based on anticipated growth and/or planned re-development, within the specific sub-service areas.

The City requested Baxter & Woodman to develop a system-wide hydraulic model for the City's force main system including all lift stations which discharge to the common, primary force main. The hydraulic model was utilized to identify potential system restrictions and "choke points." Baxter & Woodman prepared a tiered list of projects to assist the City of Boca Raton upgrade their wastewater system to optimize performance.

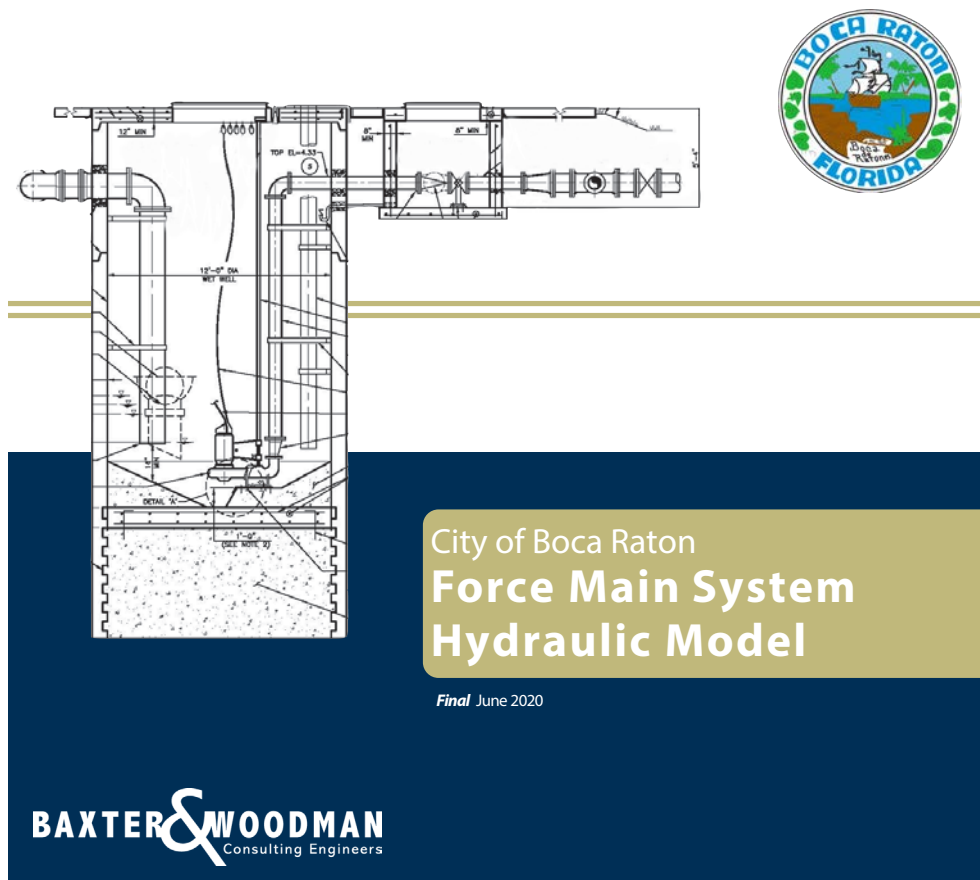
HIGHLIGHTS:

STATUS: Completed

COST: \$104,861.12 (Project Fee)

REFERENCE:

Ms. Talia Garcia
Engineering Manager
City of Boca Raton
1401 Glades Road
Boca Raton, Florida 33431
561-393-7700
tgarcia@myboca.us



City of Boca Raton Force Main System Hydraulic Model

Final June 2020

BAXTER & WOODMAN
 Consulting Engineers

SUBCONSULTANTS

Compass Point - Surveying

3195 North Powerline Road, Suite 112, Pompano Beach, FL 33069



Compass Point Surveyors is a modern Survey firm that utilizes the latest technology to provide clients the best service possible in the most effective manner possible. The firm was established in 2006 and provides surveying services from the Florida Keys north to the City of Jupiter. Field crews regularly use GPS receivers, Robotic Total Stations and Data Collectors linked to their office staff with cell phone WiFi. Compass Point utilizes the latest CAD Software and Survey Modules to produce accurate and encompassing Plans, Digital Files and CAD drawings for our client's use. Their company is experienced in preparing Boundary, ATLA, Title, Topographic, Construction, Route, Design and Quantity Surveys in addition to preparing Legal Descriptions and Elevation Certificates.

Compass Point is capable of putting 3 to 4 Survey Crews in the field while having 4 AutoCAD workstations available for office production. Their vehicles are all tracked real-time with GPS software allowing our Project Managers to shift them efficiently when Projects demand immediate attention. Their office team had almost 80 years of experience and includes three Survey Technicians led by a Professional Survey and Manager.

Benjamin R. Wisner - Surveyor

- 19 years of experience
- B.S., Geomatics, University of Florida, 2015
- Located in Pompano Beach office
- Benjamin's experience includes surveying and mapping services on many high profile state, county, municipal and private projects. He has extensive experience in the use of Global Positioning Systems (GPS) and utilizes this experience in all aspects of surveying including 3D machine control, construction lay-out/as-builts and topographic surveys for design. Benjamin is also responsible for contract administration, QA/QC and technical procedures in the production of survey projects which include client relations, estimating, project tracking and crew efficiency.



Scott A. Reid, P.S.M. - Surveyor

- 22 years of experience
- B.S., Geomatics, University of Florida
- Located in Pompano Beach office
- Scott has been active in Surveying for over 22 years and has been involved with all levels of surveying from an instrument man on a field crew to the director of Surveying for a prominent Engineering and Land Surveying Company. Scott's experience includes Global Positioning Systems (GPS), Geographic Information Systems (GIS), Remote Sensing, Photogrammetry, Business and Surveying Law, courses in Platting and Sectional land history and retracement to Coastal and Freshwater Mean High Water studies.





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

July 14, 2020

COMPASS POINT SURVEYORS PL
 3710 PARK CENTRAL BLVD N
 POMPANO BEACH, FL 33064-2225

SUBJECT: Professional Surveyor and Mapper Business Certificate # LB7535

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

The license appears below and is valid through February 28, 2021.

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

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

Detach Here



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

License No.: **LB7535**
 Expiration Date February 28, 2021

Professional Surveyor and Mapper Business License

Under the provisions of Chapter 472, Florida Statutes

COMPASS POINT SURVEYORS PL
 3710 PARK CENTRAL BLVD N
 POMPANO BEACH, FL 33064-2225

Nicole Fried

NICOLE "NIKKI" FRIED
 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 Engineering & Testing - Geotechnical Services

250 SW 13th Avenue, Pompano Beach, FL 33069

Florida Engineering & Testing, Inc. (FE&T) is a multi-disciplinary engineering and consulting services firm offering environmental engineering, geotechnical engineering, constructions materials testing, special inspections, project management and consulting. Since our inception in 1994, FE&T has continued to grow to meet the needs of our diverse and changing client base. They currently provide consulting services to both the public and private sectors focusing on residential, commercial, educational, and aviation projects. FE&T's engineering and testing operations focus on the tri-county area, but our service extends through all of South Florida.



ENGINEERING & TESTING, INC.

Florida Engineering & Testing is
Pre qualified with FDOT in Group
9 - Soil Exploration, Material
Testing and Foundation studies.


Their team of qualified professionals has utilized their experience to create a reputable and reliable engineering and testing firm. Their growth can be attributed directly to the quality of service and the satisfaction and appreciation of our wide range of clientele. FE&T's personnel work as a team by utilizing their experience, education, training and certifications to provide our clients with quality engineering services in a cost effective manner.

The Florida Engineering & Testing Team consists of:

- Registered Professional Engineers (PE)
- Engineers in Training (EIT)
- Special Inspectors
- Roof Consultants
- Roof Testing Technicians
- Material Testing Project Managers
- Engineering Field Technicians
- Certified Environmental Assessors


FE&T provides a full range of geotechnical services for varying clientele. They own and operate their own drilling equipment and support vehicles. FE&T specializes in fast, friendly and efficient service with quick turnaround time for performing your subsoil investigations (soil borings), monitoring well installations, and exfiltration (hydraulic conductivity) tests. FE&T provides foundation recommendations and geotechnical analysis for support of all types of structures ranging from high rise condominiums, office warehouses, wastewater treatment plants, hospitals, roadways, swimming pools, privacy walls, to gazebos. The following is a partial list of services:

- Auger Borings
- Standard Penetration Tests Borings
- Dynamic Cone Penetration Borings
- Soil Classifications
- Organic Contents
- Sieve / Grain Size Analysis
- Hydraulic Conductivity/Exfiltration/
Percolation Tests ("K" Value)
- Monitoring Wells
- Foundation Recommendations
- Pavement Recommendations
- Moisture Contents



Ron DeSantis, Governor

Halsey Beshears, Secretary



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


THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE
 PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

FLORIDA ENGINEERING & TESTING, INC.
 250 SW 13TH AVENUE
 POMPANO BEACH FL 33069

LICENSE NUMBER: CA6923

EXPIRATION DATE: FEBRUARY 28, 2021

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Florida Engineering and Testing, Inc.

AGGREGATE
 ASTM Methods: C1077, C117, C127, C128, C136, C40, C566, C702, E329
 AASHTO Methods: R76, T11, T21, T255, T27, T84, T85

CONCRETE
 ASTM Methods: C1064, C1077, C1231, C138, C143, C172, C173, C231, C31, C39, C42, C511, C617, C805, E329
 AASHTO Methods: M201, R60, T119, T121, T152, T196, T22, T23, T231, T24, T309

MASONRY
 ASTM Methods: C1019, C1093, C780 - Annex - A6, E329

SOIL
 ASTM Methods: D1140, D1556, D1557, D1883, D2216, D2487, D2488, D3740, D421, D4318, D4944, D6938, D698, E329
 AASHTO Methods: R58, T180, T191, T193, T217, T265, T267, T310, T88 - FDOT Wash Only, T89, T90, T99
 State Methods: FM 1 T180, FM 5 515

250 SW 13th Avenue
 Pompano Beach, FL 33069
 United States



AASHTO R18 Accredited

David A. Savage
 David A. Savage
 Director of Accreditation

Christopher J. Robinson
 Christopher J. Robinson, P.E.
 President

This is to certify that this laboratory has been accredited for technical competence and found to meet the requirements for performing the test methods listed above for the inspection and testing of construction materials. The current scope of accreditation can be obtained by viewing the CMEC Directory of Accredited Laboratories (www.cmec.org)

Accreditation Date: 2/28/2020 Reinspection Date: 1/19/2021 Expiration Date: 4/19/2021 Accreditation ID: 1005773



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

August 23, 2019

Mark Mesiano, Qualifying Engineer
FLORIDA ENGINEERING & TESTING INC.
250 S.W. 13th Avenue
Pompano Beach, Florida 33069

Dear Mr. Mesiano:

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

- Group 9 - Soil Exploration, Material Testing and Foundations
 - 9.1 - Soil Exploration
 - 9.2 - Geotechnical Classification Laboratory Testing
 - 9.4.1 - Standard Foundation Studies

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. Your firm may pursue projects in the referenced work types with fees estimated at less than \$500,000.00. This status shall be valid until August 23, 2020 for contracting purposes.

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

Sincerely,

Carliayn Kell
Professional Services
Qualification Administrator

CBHK/kw

www.fdot.gov

Hardesty & Hanover - Bridge/Seawall Structural Design

1000 Sawgrass Corp. Parkway, Suite 544, Sunrise, FL 33323



Providing in-depth inspection and assessment services and developing economical repair/rehabilitation design solutions for bridge and roadway facilities is what Hardesty & Hanover (H&H) does best. We are a world-renowned infrastructure engineering firm with more than 130 years of experience in engineering enduring structures.

Our multi-disciplined staff of structural, civil, mechanical, and electrical engineers and transportation specialists combine their in-depth knowledge of the most current technologies with extensive experience to develop creative and efficient solutions that meet our clients' transportation needs. Over the years, the firm has been responsible for many innovations and inventions and has won numerous awards for bridge design and construction management.

We offer a host of bridge engineering services including comprehensive inspection, design, engineering analysis, scour analysis, load rating, emergency response, constructability/quality assurance reviews, and construction support services. In addition to being called upon for the inspection, analysis, and design for rehabilitation, repair, assessment projects, H&H also takes on projects presenting special engineering challenges and provides forensic evaluations of damaged structures.



We employ 400+ employees from our 24 U.S. offices. With more than 25 bridge engineers in this state, we are one of the largest bridge engineering groups in Florida and our engineers and specialists have served local municipalities and FDOT on more than 200 bridge assessment and design projects since 1995. H&H's multi-disciplined staff of engineers and architects combine our in-depth knowledge of the most current technologies with the firm's historical perspective to develop creative and efficient solutions, which are successfully implemented in both congested urban settings and environmentally sensitive areas. Our clients can be assured that H&H engineers and bridge experts have a complete understanding of many complexities and constraints involving safety, inspection, and design of bridge and structure rehabilitation, repair, and replacement projects according to FDOT Guidelines and AASHTO Policies.

H&H will provide structural engineering services for this City of Pompano Beach continuing services contract and from our local Broward County office, located at 1000 Sawgrass Corporate Parkway, Suite 544 in Sunrise, Florida. We have 20 total staff members working at this location, which includes 11 Florida registered professional engineers, one engineer intern, four design engineers, and other specialists and support staff.



State of Florida Department of State

I certify from the records of this office that HARDESTY & HANOVER, LLC is a Delaware limited liability company authorized to transact business in the State of Florida, qualified on November 1, 2011.

The document number of this limited liability company is M11000005503.

I further certify that said limited liability company has paid all fees due this office through December 31, 2019, that its most recent annual report was filed on March 6, 2019, and that its status is active.

I further certify that said limited liability company has not filed a Certificate of Withdrawal.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Sixth day of March, 2019*



Ronald DeSantis
Secretary of State

Tracking Number: 8518629912CC

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

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


Ron DeSantis, Governor

Halsey Beshears, Secretary


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

BOARD OF PROFESSIONAL ENGINEERS

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

HARDESTY & HANOVER, LLC

1501 BROADWAY, 6TH FLOOR
NEW YORK, NY 10036

LICENSE NUMBER: CA29741

EXPIRATION DATE: FEBRUARY 28, 2021

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ON CALL TOWN OF BAY HARBOR MISCELLANEOUS ENGINEERING CONTRACT

BAY HARBOR ISLANDS, NEW YORK



CLIENT/REFERENCE

Bay Harbor Islands
Randy Daniel
Former Town Engineer
t: 954.214.6728
e: rdaniel@plantation.org

KEY DATES

Design
Start2013
Complete.....2018



Hardesty & Hanover provided the Town of Bay Harbor with on-call miscellaneous engineering services for 15 years. Our scope of services included annual bridge inspection services, construction permit coordination, supervision of contractors performing repairs, and attendance at Town Commission meetings.

H&H performed annual professional bridge engineering and inspection services associated with the assessment, maintenance, repair, restoration, capital improvements, or reconstruction of the Bay Harbor Toll Facilities. These facilities included the double-leaf bascule span Broad Causeway Bridge over the Intracoastal Waterway as well as three pre-stressed concrete fixed bridges:

- Kane Concourse over Bay Harbor Waterway
- Helker's Bridge
- Kane Concourse over Indian Creek

The annual inspection of facilities along the corridor, which included seawalls, roadway, landscaping, lighting, and service station plaza was part of our contract scope.

H&H provided an Annual Report to the Town Commissioners which incorporated a condition assessment of the infrastructure, engineering recommendations, and cost estimates for repairs, rehabilitation, and capital improvements.



BROAD CAUSEWAY BRIDGE OVER ICCW

Hardesty & Hanover

PINE TREE DRIVE BRIDGE OVER THE FLAMINGO WATERWAY

MIAMI BEACH, FLORIDA



CLIENT/REFERENCE

Miami-Dade County Public Works Department
Dennis Fernandez
t: 305.375.3848
e: fernandezd@miamidade.gov

KEY DATES

Design

Start10/2007
Complete 2/2010

Construction

Start12/2011
Complete 5/2014

PROJECT VALUE

Phase 1
\$760,000

Phase 2
\$900,000



Hardesty & Hanover provided CEI services and remedial design services for the Pine Tree Drive Bridge rehabilitation project. Built in 1956 in the City of Miami Beach, this seven-span precast reinforced concrete slab and steel girder (center span) structure, supported on precast reinforced concrete pile bents, carries four lanes of traffic over the Flamingo Waterway.

The project was designed in two phases to enable emergency repairs and due to budget restrictions.

Phase 1 consisted of emergency repairs to 22 severely deteriorated precast reinforced concrete piles with the installation of sacrificial (galvanic) cathodic protection pile jackets using sacrificial expanded zinc anode mesh in stay-in-place fiberglass forms and bulk anodes to create galvanic cells to prevent further corrosion of the existing embedded reinforcing steel. This repair option was determined to be the most cost-effective alternative to control and extend the service life of the precast concrete piles and requiring minimal monitoring and maintenance over its extended life. The existing exterior concrete pile jackets were also repaired using proprietary polymer-modified cementitious repair mortar.

Hardesty & Hanover provided both design and post-design CEI services for Phase 1 of this project which was successfully completed ahead of schedule and within budget. H&H was also instrumental in obtaining all the necessary permits expeditiously in the otherwise lengthy process.

Phase 2 consisted of the design for concrete repairs to the bridge, replacement of the entire structural steel girder center span with precast prestressed concrete slabs, replacement of the concrete barrier walls on the bridge, and approach retaining walls to meet LRFD requirements. Services provided during Phase 2 also included placing Class 5 finish to all exposed concrete surfaces, miscellaneous concrete repairs to the entire superstructure and substructure that were not repaired in Phase 1, and associated approach roadway work.

Hardesty & Hanover

FDOT DISTRICTWIDE BRIDGE STRUCTURAL PROJECTS CONTRACT

MIAMI-DADE AND MONROE COUNTIES, FLORIDA



CLIENT/REFERENCE

Florida DOT - District 6

Geidy Coello, PE
Project Manager
t: 305.470.5421
e: Geidy.Coello@dot.state.fl.us

KEY DATES

Initial Contract

Start2005
Complete2010

Renewal Contract

Start2014
Complete Ongoing



Hardesty & Hanover provided districtwide structural engineering design and review services under our Florida DOT District 6 Districtwide On-Call Miscellaneous Structural Projects contracts. Our scope of work includes inspection, development of design repair plans, specifications, and estimates, maintenance of traffic, and shop drawing review services.

TASKS ORDERS UNDER H&H CONTRACT 2849 (2014 – PRESENT) INCLUDE:

SR 5/Overseas Highway over Channel 2 Bridge: Restored spalled areas to deteriorated prestressed AASHTO beams (including strand splicing), reinforced concrete bridge deck, bent caps, and diaphragms. Impressed current cathodic protection was installed on the six-foot diameter drilled shaft and cathodic protection (zinc spray) to the bent caps and prestressed beams.

SR 5/Overseas Highway over Tea Table Channel Bridge: Restored spalled areas to the deteriorated prestressed bridge deck, bent caps, and 24-inch prestressed piles. Repairs also included the installation of galvanic cathodic protection pile jackets on the prestressed piles and sealing the bridge deck surfaces with methacrylates.

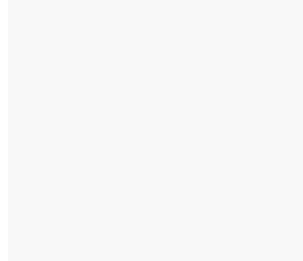
US-1 over Snake Creek Canal Bridge: Developed mechanical and electrical rehabilitative design for Bridge No. 900077 which included the replacement of the existing traffic gate, span drive motors, new span drives (including ancillary Control System Modifications), live load shoe, and coating of the structural steel.

NW 12th Avenue Bridge: Installed a relay-based control system to operate the bridge when the existing PLC system was not operational. The design included a control desk, cabinets, logic design, integration into the existing conduit, and mechanical analysis of the hydraulic system.

Atlantic Isles Lagoon Bridge: Developed bridge rehabilitation alternatives report for the Atlantic Isle Bridge to better serve community needs and extend the service life of this historic structure.

SR5/US-1 over Coral Gables Canal: Painted the existing structural steel.

SR 907/Alton Road at Dade Boulevard over Collins Canal: Restored the deteriorated concrete arch bridge underdeck and seal bridge deck cracks.



Hardesty & Hanover

FDOT Districtwide Bridge Structural Projects Contract (cont.)

TASKS ORDERS UNDER H&H CONTRACT 2372 (2005 – 2010) INCLUDE:

The 63rd Street Bridge over the Indian Creek Canal: Restored spalled areas to deteriorated precast concrete, intermediate bents, and prestressed piles. Pile jackets with impressed current cathodic protection were installed on every concrete pile. Repairs also included the installation of galvanic cathodic protection pile jackets on the prestressed piles and reference electrodes connected to a DSL internet connection for remote system monitoring.

The NE 79th Street Bridge: Restored spalled/crack areas to deteriorated prestressed concrete sonovoid slab beams and installation of carbon fiber reinforcement.

I-95 Bridge over the Miami River: Restored spalled/crack concrete deck, repair to deteriorated fracture critical steel girders, bearing replacement, expansion joint repair, and drainage system rehabilitation.

Boot Key Bridge: Prepared load rating analysis; evaluation of structural, mechanical, and electrical components; and determined feasibility rehabilitation report alternatives. Once the client opted for demolition, plans for the removal and disposal of the movable span were developed.

PROJECT EVALUATION AND EXECUTION SUCCESS HIGHLIGHTS:

Our experienced staff responded to construction issues immediately as they arise during the post design services to support the District Construction Engineer and Inspectors to mitigate potential overruns resulting in saving construction time, costs, and claims.

BENEFITS TO THE CUSTOMER

Repairs were completed ahead of schedule and under construction bid cost for the completed task work orders issued under the 2013-Present Districtwide contract.

Hardesty&Hanover

63RD STREET BRIDGE OVER INDIAN CREEK CANAL

MIAMI BEACH, FLORIDA



CLIENT/REFERENCE

Florida DOT - District 6

Pablo Orozco, PE
Project Manager
t: 305.470.5370
e: Pablo.Orozco@dot.state.fl.us

KEY DATES

Design

Start7/2005
Complete.....12/2007

PROJECT VALUE

Design

\$65,000

Construction

\$1,000,000



Hardesty & Hanover provided engineering design and inspection services for the rehabilitation of the 63rd Street Bridge over the Indian Creek Canal located in Miami Beach.

The project scope consisted of a bridge assessment as well as concrete superstructure and substructure repair designs to lengthen the useful life of the bridge. This 10-span low-level bridge consists of prestressed concrete voided slab superstructure supported on prestressed concrete pile bents. The bridge is located in a severely corrosive environment due to the low profile of the bridge over a brackish waterway.

An in-depth inspection of the entire structure was performed by Hardesty & Hanover to evaluate the deterioration and feasible repair options, locate the necessary concrete repairs, and determine the number of repairs required.

The superstructure repairs included concrete spall and epoxy injection crack repairs of the AASHTO type prestressed concrete beams and splicing of deteriorated pre-stressing strands.

The substructure repairs included the installation of cathodic protection pile jackets due to the severely corroded condition of over 130 piles. Impressed current cathodic protection was evaluated as the best alternative to repairing the concrete piles in regards to durability and economics. The electrical design and utility coordination for the cathodic system was also performed and electrical service was provided.

Superstructure repairs were also performed on the underside of the voided deck slabs. The slabs were repaired with concrete epoxy mortar and carbon fiber reinforcement.

Hardesty & Hanover

NE 79TH STREET CAUSEWAY REPAIRS

MIAMI, FLORIDA



CLIENT/REFERENCE

Florida DOT - District 6
 Pablo Orozco, PE
 Project Manager
 t: 305.470.5470
 e: Pablo.Orozco@dot.state.fl.us

KEY DATES

Design
 Start 2/2008
 Complete 4/2009

PROJECT VALUE

Design
 \$127,200
Construction
 \$1,700,000



Hardesty & Hanover was contracted by FDOT District 6 to perform an inspection, prepare remedial engineering design and contract documents, and provide post-design services for N.E. 79th Street Causeway Bridge Numbers 870083, 870549, 870084 and 870550.

H&H's project scope included the preparation of remedial engineering designs for concrete spall and crack repair to the prestressed slabs, caps, piles, and sidewalks, the replacement of the transverse post-tensioning rods, and joint repair.

Located between Pelican Island and Treasure Island, the four bridges were built in 1971 and required repairs to preserve the bridge's structure. The bridge consists of 1½-inch minimum asphalt surfacing over 4-inch-wide pre-stressed slab units spanning over 18-inch-square prestressed pile and concrete cap bents.

Hardesty & Hanover

BOCA CLUB (CAMINO REAL) BRIDGE OVER THE ICWW

BOCA RATON, FLORIDA



CLIENT/REFERENCE

Palm Beach County, Florida

Barry Mave, PE
Project Manager
t: 561.233.3975

KEY DATES

Start8/2014
Complete6/2019

PROJECT VALUE

\$25,000,000



Hardesty & Hanover provided design and post-design services during construction for the rehabilitation of the existing 1938 movable span of the Camino Real/Boca Club rolling-lift drawbridge.

H&H's scope included providing design, specifications and contract documents for :

- Widening of the existing leaf to accommodate two 11-foot travel lanes and 1.5-foot shoulders
- Replacement of the existing jaw-locking with bracket mounted span locks
- Replacement of the existing stringers and floor beams
- Replacement of the existing electrical control system
- Replacement of the existing brakes and motors

Camino Real, meaning Castle Road, leads traffic to a historic traffic circle and the Boca Raton Resort and Club entrance. The new Camino Real bridge and control house was designed using similar Spanish Mediterranean architectural influences and details that match the nearby exclusive and historic Boca Raton Resort and Club.

Hardesty & Hanover

Andrews Avenue Bridge Rehabilitation

Fort Lauderdale, Florida



CLIENT

Broward County Public Works & Transportation

Michael Melendez, PE
t: 954.577.5207
e: mmelendez@broward.org

KEY DATES

Design

Start 5/2012
Complete 6/2016

Post Design

On-going

PROJECT VALUE

Construction

\$10,000,000

Design

\$1,000,000

ROLE

Prime Consultant



Hardesty & Hanover provided inspection; mechanical, electrical, and structural and architectural design services; and post design services for the rehabilitation of the Andrews Avenue Bascule Bridge for the Broward County Public Works Highway and Bridge Maintenance Division.

H&H was responsible for the preparation of mechanical, electrical, structural, and architectural contract plans and technical special-specifications to repair/rehabilitate this single-leaf Hopkins trunnion bascule span and approach spans, control tower, and pedestrian ramp.

The mechanical rehabilitation included replacement of the hydraulic drive system with a completely new hydraulic circuitry, power units, and more robust hydraulic mill-duty type cylinders, as well as the replacement of the span locks, trunnion hubs, and eccentric hub bolts.

The electrical rehabilitation included replacement of the entire electrical control and power system, submarine conduits and cables, resistance barrier with traffic barrier gate, warning gate assembly, street lighting poles and luminaries, navigation and clearance gauge lighting, pedestrian gates, and provided lighting protection for bascule, approach spans and control tower.

The structural rehabilitation included modifications to the trunnion girders and bascule pier to accommodate the new hydraulic cylinders; cleaning and painting of structural steel in bascule span and open steel grating; replacement of expansion joints; repair of spalls and cracks; methacrylate sealing and cleaning; and Class 5 coating of approach spans and bascule pier.

The architectural improvements included replacement of the control tower roof; windows; doors; wrap-around external stairs and internal spiral staircase; pedestrian railing on external stairs; pedestrian ramp and bascule span; and a new Terracotta rain screen on the control tower. The ADA modifications to the pedestrian ramp consisted of ramp slope modifications, ramp landing extensions, and ADA handrails. ADA modifications to north approach spans and bascule span included ADA railing and new pedestrian/bicycle bullet railing.

Constructed in 1981, the Andrews Avenue Bridge is one of the major crossings over the New River near the heart of the downtown Las Olas waterfront in Fort Lauderdale, Florida. The bridge consists of fourteen spans, 621 feet in total length, with an 80-foot single-leaf Hopkins Trunnion bascule span, a 36-foot flanking span over the bascule pier, and twelve 42-foot approach spans. The bridge carries four lanes of traffic and one sidewalk on the east side of the bascule span and north approach spans.

Hardesty & Hanover

BEAR CUT AND WEST BRIDGES OF THE RICKENBACKER CAUSEWAY

KEY BISCAZYNE, FLORIDA



CLIENT/REFERENCE

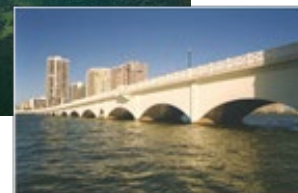
**Miami-Dade County
Public Works Department**
Marcos Redondo
Project Manager
t: 305.592.3116
e: marcosr@miamidade.gov

KEY DATES

Start.....3/2013
Complete.....4/2015

PROJECT VALUE

\$35,000,000



The design-build team of Hardesty & Hanover and Kiewit South provided construction and design engineering services to replace the superstructures of the Bear Cut and West Bridges and widen the existing bridges an additional 15 feet to accommodate a new designated bikeway.

H&H's scope of services included structural, civil, geotechnical, and electrical design; post design; and construction support services on this emergency design-build project.

The new superstructure design employed modified prestressed concrete AASHTO Type II girders. The girders were modified in height so that the existing bridge profile could be maintained. In addition, the new concrete superstructure had to maintain the original dead load so that the existing substructure would not be overstressed. Additional improvements included lighting, drainage, and approach roadways.

For the lighting systems, H&H conducted the lighting option analysis and produced plans and supporting documentation for the design of the Bear Cut Bridge and approach roadway lighting systems. Besides providing two feasible options for lighting configurations, H&H electrical engineers provided light level data points; light level, ratio, voltage drop, and ampacity calculations; as well as input on plan details that addressed the special design of the structural connections of the light pole base connection and median barrier.

The severe coastal environment had severely deteriorated the steel superstructure over the years and required an emergency replacement due to accelerated corrosion detected during the 2012 Biennial Inspection. The foundation pile depths were unknown on this scour critical structure.

After the award of the project, due to the concerns of the residents of Key Biscayne, a non-destructive determination of the pile depth into the substrata was performed at various locations on the Bear Cut Bridge to determine the factor of safety of the existing foundation in normal operating conditions and after an extreme (100-year) scour event. Parallel seismic testing (PST) was performed to determine the pile length. Performing the PST at piles at locations throughout the bridge confirmed the pile lengths were in a range of 25-30 feet below the mud line. With geotechnical boring information in hand, pile capacities and overall foundation integrity could be calculated.

Hardesty & Hanover

FDOT DISTRICTWIDE STRUCTURES ENGINEERING DESIGN AND REVIEW CONTRACT

FLORIDA DOT, DISTRICT 1



CLIENT/REFERENCE

Florida DOT – Region 1
 Andra Diggs, PE
 t: 863-519-2426
 e: Andra.Diggs@dot.state.fl.us

KEY DATES

Initial Contract
 Start2014
 Complete.....2016

Renewal Contract
 Start2018
 Complete..... Ongoing

PROJECT VALUE

Design
 \$1,500,000



Hardesty & Hanover is providing districtwide structural engineering design and review services under FDOT D1 Districtwide On-call Structures Design contract.

As a subconsultant to BCC Engineering, H&H has held this on-call engineering contract since 2014. Over 114 miscellaneous Task Work Order assignments have been completed to date. Professional engineering services provided under this contract include plans reviews; Resurfacing, Restoration, and Rehabilitation (3R) evaluations; miscellaneous structure design; and structural design support of District staff. Assignments also include maintenance of traffic (MOT), public involvement (meetings, outreach), signing, pavement markings, phased construction, and Technical Special Provisions. Post design services included review of shop drawings, RFIs, material certification, and address of unforeseen conditions during construction.

H&H completed plans review services for movable bridges as well as the development of railing retrofits for the Taylor Creek single-leaf bascule bridge. The non-continuous approach span post and rail system on the Taylor Creek Bridge, one of the region’s oldest Hopkin’s trunnion bridges, did not meet the current FDOT criteria and was in need of replacement. Retrofit plans for the guardrail terminals and transitions were prepared to be implemented for the corridor’s RRR project. Details included accommodations for the barrier gate arms, receiver plates, and the non-standard curb and barrier.

Hardesty & Hanover

COCONUT ISLE BRIDGE REPLACEMENT

FORT LAUDERDALE, FLORIDA



CLIENT/REFERENCE

City of Fort Lauderdale

Connie Hayman
Project Manager
t: 954.828.7150

KEY DATES

Design

Start6/2015
Complete.....4/2016

Construction

Start3/2019
Complete.....Ongoing

PROJECT VALUE

\$900,000



H&H is providing a bridge alternative study, comprehensive engineering design, and post-design services for the replacement of a single-span, pre-stressed concrete replacement bridge for an Isles of Las Olas residential community.

The scope of work included permitting, geotechnical investigation, load rating, drainage, utility coordination, bridge bulkhead wall design, temporary bridge support, MOT, public involvement support as well as bid-phase and post-design services.

Improvements included pedestrian access across the bridge, increased lane widths, the addition of three-foot shoulders, aesthetic accommodation for all utilities, improved hydraulic profile, and crash-tested barriers.

Work was performed under our On-Call General Engineering Services contract with the City.

Hardesty & Hanover

FDOT DISTRICTWIDE BRIDGE ENGINEERING DESIGN AND CEI SUPPORT

FLORIDA DOT, DISTRICT 1



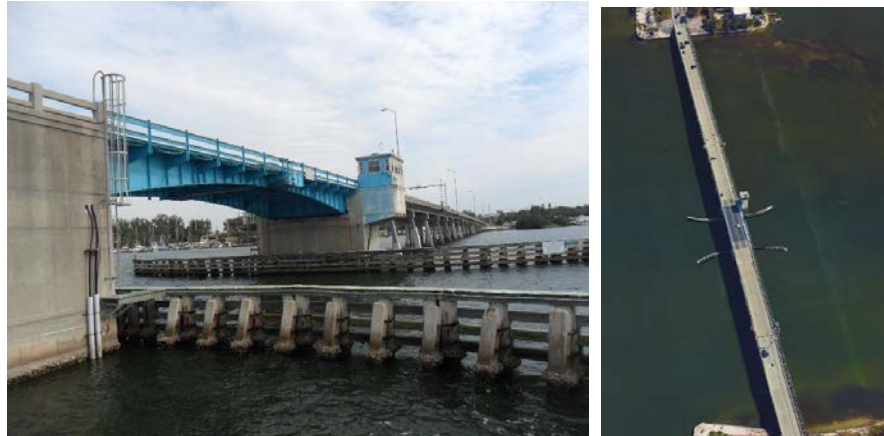
CLIENT/REFERENCE

Florida DOT – Region 1

Marshall Hampton, PE
t: 813-975-7581
marshall.hampton@dot.state.fl.us

KEY DATES

Start 1/2016
Complete..... 12/2017



Hardesty & Hanover is providing bridge engineering and emergency response services under a FDOT District 1 districtwide on-call contract.

As a subconsultant to TY Lin, H&H has held this contract with since 2009 and have performed the following major services:

Structural, Architectural, Mechanical, and Electrical Repair Plans have been developed through Task Work Orders for the following bridges:

- *Siesta Key Bascule Bridge*
- *Taylor Creek Bascule Bridge*
- *Cortez Bascule Bridge*
- *Circus Bascule Bridge*

Pushbutton Repair Plans have been performed for the following bridges:

- *New Pass Bascule Bridge*
- *Longboat Key Bascule Bridge*

Emergency Response Field Review and Repair Review:

- *Longboat Key Bridge*: our local staff reacted to the heaving of the single-span rest pier which rendered the bridge unable to open.

Work Program Development: H&H provided an evaluation of the movable bridge inventory to anticipate the timing of funding needed to repair each bridge during the next five-year work program.

Hardesty&Hanover

Electrical Design Associates - Electrical and Control Engineering

8401 Lake Worth Road, Suite 221, Lake Worth, FL 33467



In September of 1998, Electrical Design Associates, Inc. was formed.

We are a Certified Minority/ Women Business Enterprise with offices in Palm Beach, Hillsborough and Orange Counties. Our staff includes five registered electrical engineers, instrumentation designers, engineering interns, a licensed electrician and designer/cadd technicians, and an administrative assistant. We specialize in providing electrical, instrumentation and SCADA system design to the public and private sectors with preferential services for municipal and governmental clients.

Our staff's electrical experience includes electrical and instrumentation system designs for industrial plants, specifically Water and Wastewater Treatment Facilities located throughout the state of Florida. Our electrical distribution system experience covers the full range up to 4,160 volt distribution systems as well as standby generator systems. Our instrumentation systems design experience includes SCADA and PC based systems, as well as numerous traditional plant monitoring and control panel designs. Our design experience encompasses computer/PLC controlled systems utilizing SCADA based systems for interfacing to remote locations, as well as hard wired relay controlled custom solutions.

Our staff's electrical experience includes multiple roadway lighting, sportfield/park lighting, and pedestrian/landscape lighting design improvements throughout the State of Florida for several municipalities including but not limited to the Palm Beach County, West Palm Beach, Jupiter, Boynton Beach, Delray Beach, Weston, , the City of Miramar, Fort Lauderdale, the Town of Davie, Village of Wellington, Miami Beach, FDOT, Florida Atlantic University as well as the City of Pompano Beach.

We take pride in the fact that while we are a small sized firm, we utilize state of the art software to accomplish our design projects and project management. The use of CADD systems provides us with the enhanced production quality, lower operating costs and closer engineer participation thereby ensuring a higher quality product for the owner. To reinforce our emphasis on quality, the company has complex project designs reviewed by independent companies. We interface with designers from complimentary disciplines during the design process to review design principles and to assist in the preparation of design drawings and specifications for specific project needs.

Electrical Design Associates, Inc. is staffed to provide electrical and instrumentation engineering services from inception through design, bid and construction completion.



Ron DeSantis, Governor

Halsey Beshears, Secretary



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

THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

ELECTRICAL DESIGN ASSOCIATES, INC.

8401 LAKE WORTH ROAD
SUITE 221
LAKE WORTH FL 33467

LICENSE NUMBER: CA8079

EXPIRATION DATE: FEBRUARY 28, 2021

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LANTANA SPORTS FACILITY LANTANA, FLORIDA

The project consisted of furnishing all labor, materials, and equipment for the construction of the Lantana Sports Facility. Improvements included clearing, grubbing, grading, paving, wheelstops, signing and marking, construction of drainage, watermain, wastewater liftstation and forcemain, two (2) soccer fields including fine grading, topsoil, Bermuda sodding, goals, soccer field sports lighting, three (3) baseball fields including fine grading, clay, topsoil, sodding, bullpens, bases, fencing, dugouts, baseball field sports lighting, two (2) batting cages, 1,600 sqft concession/restroom building, dumpster enclosure, parking lot lighting, landscape, irrigation well and irrigation system.

EDA's scope of services included:

- Photometric and Electrical Design associated with the proposed sports lighting for the Soccer and Baseball fields
- Photometric and Electrical Design associated with the proposed parking lot lighting.
- Electrical Design associated with the FPL coordination and the main distribution electrical equipment.
- Electrical Design associated with providing electrical service to the concession/restroom building.
- Electrical Design associated with providing electrical service to the maintenance building.
- Electrical design associated with providing service to the proposed irrigation pump station.

Services Provided:

- Electrical Engineering
- Client Interface

Estimated Cost:

- \$ 2.6 Million

Completion Date:

- 2016

Project Contact:

City of Lantana
Deborah Manzo
561-540-5000



EDA

Electrical Design Associates

MONROE DRIVE/MONCEAUX ROAD UTILITY IMPROVEMENTS WEST PALM BEACH, FLORIDA

EDA assumed the responsibilities as the electrical engineer for construction services administration for the utility infrastructure improvements, including stormwater facilities, water main upgrades, sanitary sewer replacement, roadway/sidewalk construction, specifically the decorative street lighting. Services included coordination with City staff, the contractor and the community for final light pole locations. Photometric evaluations were performed in order to ensure that all projected light levels were met.

Services Provided:

- Electrical Engineering
- Client Interface

Estimated Cost:

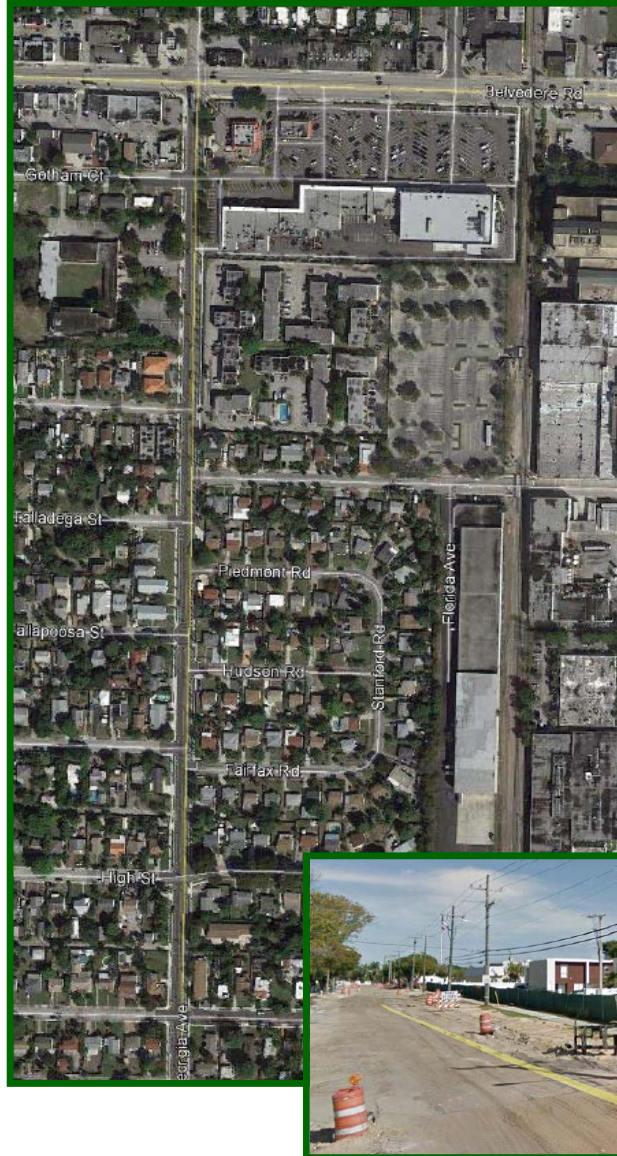
- \$1.7 Million

Completion Date:

- 2015

Project Contact:

Tracy L. Ward, P.E.
City of West Palm Beach
Engineering and Public Works
Department
561-494-1120



EDA

Electrical Design Associates

LIFT STATION 309 BOYNTON BEACH, FLORIDA

Boynton Beach Lift Station 309 is located at the Northwest corner of N. Seacrest Boulevard and NW 19th Ave. The station is a Master Lift Station that was in need of rehabilitation in order to support future flow projections. The station consisted of three (3) pumps sized at 85 HP, 88 HP and 31.5 HP served from a 480Volt, 3Ø service originating at the FPL service pole adjacent to the station. The station was supported by a 230 kW standby generator located within a separate block building adjacent to the pump station building.

Electrical designed included a new power distribution system designed to support the entire station including the replacement of the jockey pump with a full size pump and a diesel standby pump. The station control system included a new control panel utilizing the ACE3600. The new power and control systems were housed within the existing generator building. The design also addressed the conduits extending through classified spaces and from non-classified to classified spaces including the use of EYS fittings at the point of entrance and/or exit in accordance with NFPA 820.

Services Provided:

- Electrical and HVAC Engineering
- Multi-discipline Coordination
- General Services during Construction

Estimated Electrical and HVAC Cost:

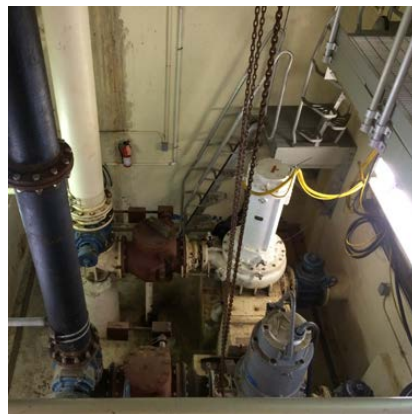
- \$375,000.00

Completion Date:

- 2017

Project Contact:

City of Boynton Beach
Utilities Department
561-742-6400



EDA

Electrical Design Associates

WRF INFLUENT PUMPING AND HEADWORKS IMPROVEMENTS LARGO, FLORIDA

The City of Largo owns and operates an advanced Wastewater Reclamation Facility (WRF) that is an 18 mgd AADF, high-rate three stage biological nutrient removal wastewater plant with discharge to surface water outfall and reclaimed water distribution system. EDA was retained by Hazen and Sawyer to provide an engineering evaluation assessment of the WRF to develop a facility-wide master plan.

The assessment provided an evaluation for the design and construction of an influent flow equalization process to address peak wet weather flows, optimization of nutrient removal for the facility, and provide an overall facility master plan to coordinate and re-prioritize existing CIP projects identified under previous efforts. EDA was also retained by Hazen and Sawyer to provide design and construction services for the complete replacement of the WRF's three existing headworks structures and two existing dry pit influent pump stations.

The design work also included a new flow equalization tank, separation of plant recycle flows, addition of a step feed process for high peak flows, and improvements to the existing aerobic digestion process.



Services Provided:

- Electrical Engineering
- Client Interface
- Multi-discipline Coordination
- Coordination w/ Duke Energy
- Cost Estimating
- Construction Administration

Estimated Cost:

- \$8 Million

Completion Date:

- 2018

Project Manager:

Todd Tanberg
City of Largo
727-507-4468



Electrical Design Associates

QuEST Engineering Services & Testing, Inc. - Structural Inspections

2737 NW 19th Street, Pompano Beach, FL, 33069

STATEMENT OF QUALIFICATIONS

Name & Address: Quest Engineering Services & Testing, Inc.
2737 NW 19th Street, Pompano Beach, FL - 33069
Ph (954) 582 9800 Fax (954) 582 9836

Web Site: www.questengg.com

Date of Incorporation: March 12, 1998

Corporation Document No.: P98000023285

Federal EIN: 65-0819921

Engineering License No.: EB-0007954

DUNS No.: 19-969-7033

Broward Occupational Lic. No.: 315-0000580

Pompano Occupational Lic. No.: 08-00048232

Palm Beach County CCNA No.: 1116

CMEC Certification Report No.: 11459

State of Florida: MBE Certified

FL Dept. of Transportation: DBE Certified

Broward County: CBE Certified; DBE Certified

Palm Beach County Schools: MWBE Certified

Services: Construction Materials (Soil, Concrete, Masonry, Asphalt) Testing
Structural Engineering and Special Inspections
Geotechnical Studies and Foundation Design Recommendations
Foundation Installation Inspections & Pile Load Tests
Seismograph (Ground Vibration) Studies
Environmental Site Assessments
Roof Consulting Services
Corrosion & Failure Evaluations
Light Level, Sound Level & Acoustic Emission Studies

QuEST Project Experience

City of Pompano Projects: Structural Mitigation of Various Residences (7)
City of Pompano Beach, FL

Broward County Projects: Broward Water Treatment Plant Pompano Beach, FL
Long Key Park @ Ft. Lauderdale, FL
Interim QAMT for FLL Expansion, Ft. Lauderdale, FL
Sample Road ARV Installations, Pompano Beach, FL
K.C. Wright Building, Ft. Lauderdale, FL
Broward County Main Library, Ft. Lauderdale, FL
Broward Emergency Operations Center, Plantation, FL


QuEST

Roadway Projects:	Access Road from Flamingo Road to Miramar WWTP Pembroke Road/SW 145 Avenue Extension, Miramar, FL
Civil Projects:	Miramar East Water Treatment Plant, Miramar, FL Miramar West Water Treatment Plant, Miramar, FL Miramar Waste Water Treatment Plant, Miramar, FL Hollywood Water Treatment Plant, Hollywood, FL
Aviation Facilities:	Terminal 1 Expansion @ Fort Lauderdale International Airport Learjet Hangar @ Fort Lauderdale International Airport Concourse Throat Expansion @ Ft. Lauderdale International Airport FBO Hangar & Office Bldg. @ Ft. Lauderdale Executive Airport Taxilanes & Apron Expansions, @ Ft. Lauderdale Int'l Airport Terminal 3 / BHS JetBlue, @ Ft. Lauderdale Int'l Airport
Community Facilities:	Sunrise Fire Station #59, Sunrise, FL Church of Jesus Christ - Latter Day Saints, Stuart, FL Shiva-Vishnu Temple, Davie, FL
Parking Garage:	Bank of America Parking Garage, Miami, FL Mirador Mixed Use Parking Garage, Miami Beach, FL One Charter Place Parking Garage, Coral Springs, FL
Hospitality Projects:	Springhill Suites @ Port St. Lucie, FL Comfort Suites @ Davie, FL Best Western @ Clearwater, FL
SF Residential Projects:	Vizcaya Development @ Delray Beach Polo Trace Development @ Delray Beach Palm Cove @ Stuart
Condominium Projects:	Lucerne Lakes Condos @ Lake Worth, FL The Greens @ Gator Trace, Ft. Pierce, FL Seagate Condominiums @ Highland Beach, FL
Educational Facilities:	Jupiter Christian School @ Jupiter, FL Tedder Elementary School @ Pompano Beach, FL Banyan Elementary School @ Sunrise, FL Sun Coast High School, Riviera Beach, FL
Roof Consulting:	Huntington Lakes Condos @ Delray Beach, FL KPC Metals @ Pompano Beach, FL Palm Aire Country Club @ Pompano Beach, FL Oriole Gardens I & II @ Margate, FL
Corrosion & Rehabilitation:	Maison Grande Condominiums @ Miami Beach, FL The Gate Condominiums @ Tamarac, FL Mizner Court Condominiums @ Boca Raton, FL
Sound/Vibration Studies:	Seagate of Highland Beach @ Highland Beach, FL Meadowbrook Elementary School @ Ft. Lauderdale, FL Villa Capri @ Miami Beach, FL Canals C-2 & C-100, SFWMD Project, Miami, FL

QuEST

- Retail Projects:**
- Shoppes at Stirling, Davie, FL
 - Comfort Suites @ Davie, FL
 - Publix Stores @ Tamarac, Lantana, Port St. Lucie, FL
 - Winn Dixie Marketplace @ Miami, Davie, Lake Worth, FL
 - Walgreens Stores @ Pembroke Pines, Davie, Boynton Beach, FL
 - Aberdeen Plaza, Boynton Beach, FL
 - Shops @ Wycliffe, Lakeworth, FL
 - BJ's Wholesale Club Facilities @ Hialeah Gardens, Hollywood, Parkland
 - BJ's Wholesale Club Facilities @ Boynton Beach, Royal Palm Beach
- Infrastructure:**
- Utility Improvements, Surfside, FL
 - Utility Improvements @ Belvedere, West Palm Beach, FL

QuEST



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY



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


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QUEST ENGINEERING SERVICES & TESTING INC
2737 NW 19TH ST
POMPANO BEACH FL 33069

LICENSE NUMBER: CA7954

EXPIRATION DATE: FEBRUARY 28, 2021

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Wayne Villavaso Landscape Architecture, Inc. - Landscape Architecture/Arborist

268 Flamingo Drive, West Palm Beach, FL 33401

**WAYNE VILLAVASO LANDSCAPE ARCHITECTURE, INC.****Company Profile**

Over the years, Wayne Villavaso Landscape Architecture, Inc. (WVLA) has been involved in many South Florida projects. Projects in progress or recently completed include the Marina Palms, Dezer Office Tower, West Palm Beach Water Treatment Plant, Wellington's Tennis Facility & Community Center, South Florida Fair Exposition Hall Expansion, Norton Museum of Art, Armory Art Center Youth Facility, Marriott CityPlace, Singer Island Gateway, The Moorings (Lantana Landing), Fire Stations #'s 2, 3, 5, 7 & 8 for the City of West Palm Beach, Colony Preserve, Hamlet on Olde Oyster Bay, Mizner Lakes (Lakes @ Palm Beach), Marina Palms, Phipps Park, Howard Park, Anchorage Park, and the Port of Palm Beach Gateway just to name a few. Streetscapes include State Road A1A on Singer Island, Quadrille Blvd., Rosemary Avenue, Australian Ave., Belvedere Road East of I-95, North Flagler Drive, Northwood Road Palm Beach Lakes Blvd. and Lake Shore Drive. WVLA has also applied successfully for many State & County Grants for various municipalities.

In designing these projects, WVLA coordinates closely with the Client and/or the Agency's Planning & Engineering Staff to meet the project criteria. WVLA has developed specific expertise in mixed use, multi-family, governmental and commercial design, and maintains an excellent working relationship with our Clients and Governmental Agencies.

WVLA's President, Mr. Wayne Villavaso brings more than 42 years of South Florida professional experience to each project. He has been a Florida Registered Landscape Architect and Land Planner since 1981 and worked as a Design/Build Landscape Contractor for 7 years. He is a Registered Landscape Architect in Florida. Formerly, he was registered and worked in North Carolina (2004-2018) and New York (2001-2018). Mr. Villavaso received his Bachelor of Landscape Architecture from Louisiana State University and is a Member of the American Society of Landscape Architects and the Council for Landscape Architect's Board. Wayne Villavaso Landscape Architecture, Inc. is CCNA certified with Palm Beach County and the City of West Palm Beach is certified as a Small Business Enterprise (SBE) with the City of West Palm Beach with an ongoing Five (5) Year Continuing Service Contract. Our firm is pre-qualified and certified as a Small Business as a Consultant with the Florida Department of Transportation.

Mr. Villavaso has worked with owners, developers, designers, and contractors to design and/or install projects throughout Florida and the United States. His sustainable design and on-site construction experience as well as his knowledge of landscape & hardscape material use, availability and costs has served his clients well including the project's present and future needs. WVLA provides tree valuations and maintenance recommendations for pruning, etc..

Mr. Villavaso takes great pride in working closely with his Clients to design for their unique needs within specified budget, while maintaining quality and superior workmanship in the finished project. WVLA focuses on preparing plans that meet the objectives of our client's present & future needs, on schedule and in a very responsive manner.

WVLA's Services Include:

Land Planning

Commercial
Multi Family
Mixed Use

Historic Landscape Renovation/ Restoration
Park and Open Space Planning

Landscape Architecture

Governmental
Commercial
Residential

Streetscape and Transportation Corridors
Grant Writing and Application Submittal

Wayne Villavaso Landscape Architecture, Inc.

268 Flamingo Drive

West Palm Beach, FL 33401



Website: www.WVLAINC.com

Ph. (561) 820-1566

E-Mail: Wayne@WVLAINC.com

Ron DeSantis, Governor

Halsey Beshears, Secretary




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

THE LANDSCAPE ARCHITECT BUSINESS HEREIN HAS REGISTERED UNDER THE PROVISIONS OF CHAPTER 481, FLORIDA STATUTES

WAYNE VILLAVASO LANDSCAPE ARCHITECTURE, INC.
268 FLAMINGO DR
WEST PALM BEACH FL 33401

LICENSE NUMBER: LC0000376
EXPIRATION DATE: NOVEMBER 30, 2021
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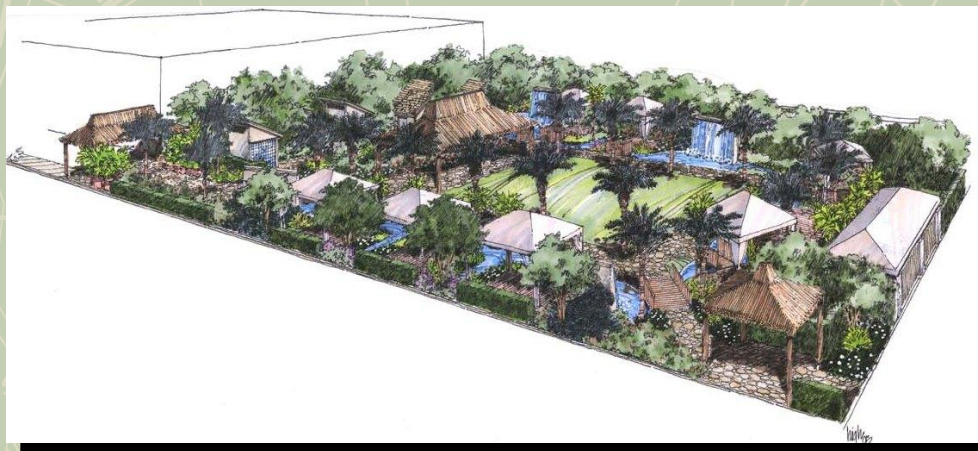
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Karu & Y & Totem Garden

Miami, FL



**State of the Art Restaurant and Event Venue
Site Plan, Landscape Plan
Video / Waterfall Details, Site Details**



Wayne Villavaso Landscape Architecture, Inc.



Marina Palms

North Miami Beach, FL



Hardscape Plans
Rooftop Gardens
Landscape Plans
Irrigation Plans
Lighting Plans

Gazebos,
Pavilions,
and Promenades with
Overlook Areas
along U.S. 1.

Garage Rooftop Gardens
w/ cantilevered planters on
all floors. Two Pool Decks
overlooking Maule Lake &
Miami Beach.



Wayne Villavaso Landscape Architecture, Inc.



Fire Station No. 7

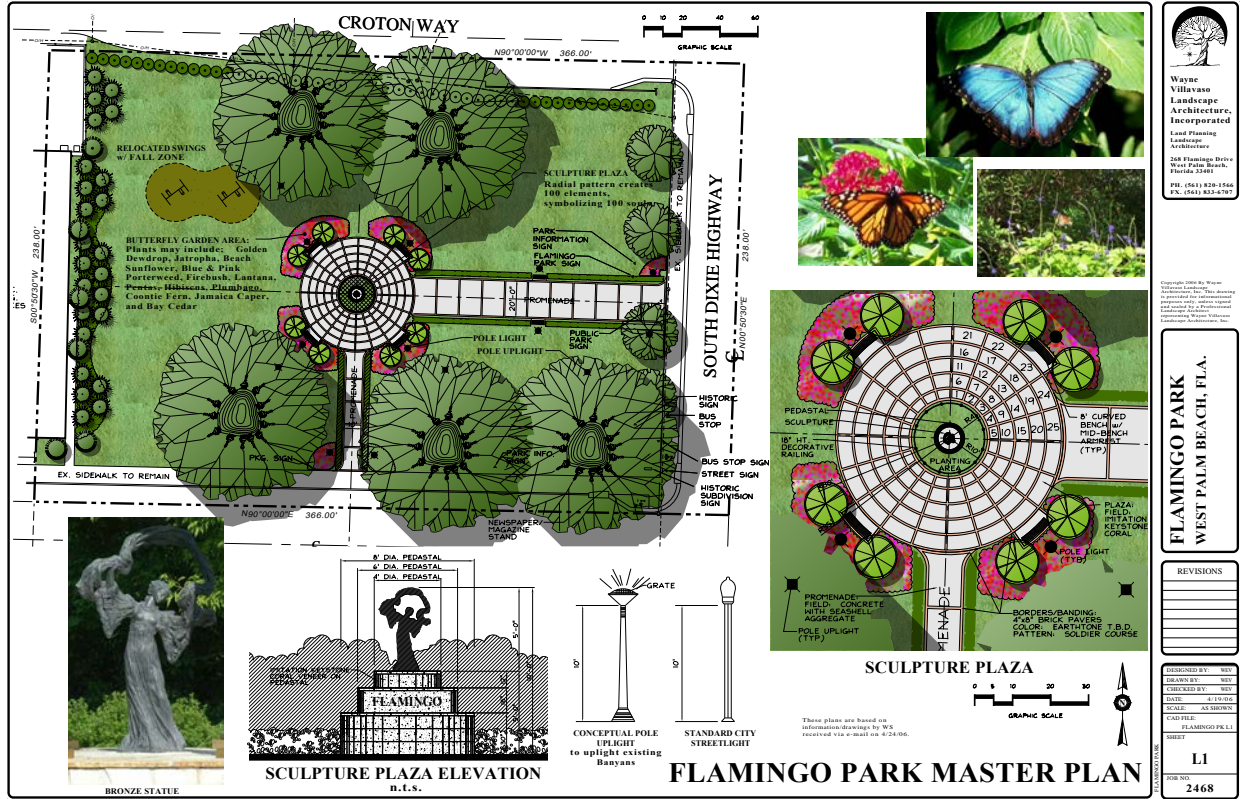
West Palm Beach, FL



Landscape Plan
Irrigation Plan
Site Details
Contract Administration
Construction Observation

Wayne Villavaso Landscape Architecture, Inc.





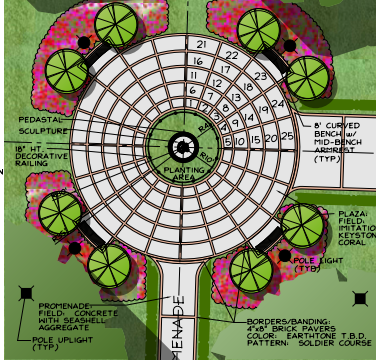
Wayne Vilavaso
Landscape Architecture, Incorporated
Lead Planning Landscape Architect
14001 S. Dixie Highway
West Palm Beach, Florida 33411
PH: (561) 820-1546
FX: (561) 833-4797

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FLAMINGO PARK
WEST PALM BEACH, FLA.

NO.	DESCRIPTION	DATE

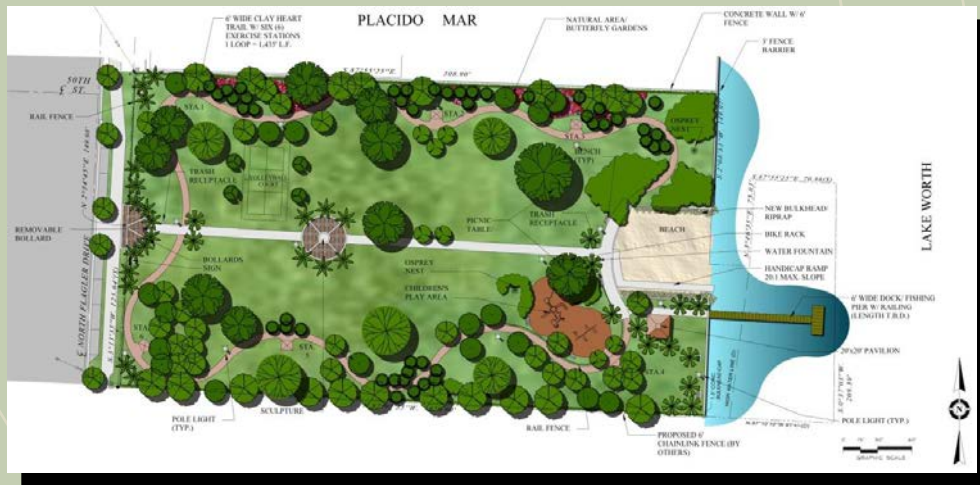
DESIGNED BY: WVS
DRAWN BY: WVS
CHECKED BY: WVS
DATE: 4/15/16
SCALE: AS SHOWN
COUNTRY: FLAMINGO PK L1
SHEET: L1
JOB NO.: 2468



*These plans are based on information drawings by WVS received via e-mail on 4/24/16.

Ombres Park

West Palm Beach, FL



- Master Site Plan**
- Landscape Plan**
- Irrigation Plan**
- Site Details**
- Exercise Trail**
- Playground**
- Dog Park**
- Construction Observation**

Wayne Villavaso Landscape Architecture, Inc.



Wellington Community Center Wellington, FL



DESIGN / BUILD

- Landscape Plan
- Irrigation Plan
- Site Details
- Contract Administration
- Construction Observation

Photo Credits: Wellington Website



Wayne Villavaso Landscape Architecture, Inc.



Wellington Tennis Facility

Wellington, FL



DESIGN / BUILD

- Landscape Plan
- Irrigation Plan
- Site Details
- Contract Administration
- Construction Observation

Photo Credits: Wellington Website



Wayne Villavaso Landscape Architecture, Inc.





TAB 8

Resumes of Key Personnel



RESUMES OF KEY PERSONNEL



Rebecca Travis, PE, ENV SP

Principal-in-Charge

Education

B.S., Civil Engineering, Iowa State University, 1984

Years of Experience: 36

Joined Firm in 2003

Registrations

Licensed Professional Engineer, Florida

LEED Green Associate

Envision Sustainability Professional Credential

Associations

National Association of Women in Construction: Chapter Treasurer, 1994 & 2003; Chapter Board member 1994 thru 2006, 2011 to present

Water Environment Federation

American Water Works Association

Rebecca has over 36 years of progressively responsible civil engineering design and project management experience in both private sector residential and commercial land development, as well as municipal stormwater, roadway and utility projects. Her range of experience includes performance of complex professional engineering work involving investigation, planning, design development, permitting, management and construction of public and private developer improvement projects.

Representative Projects

Pompano Beach, FL

US 1 Transit Hub - Survey, Site Plan and Engineering Design

Project Manager for the Transit Hub project design. Services include site layout of a parking lot on the CRA-owned parcels, stormwater and driveway turnout design, coordination with the City for provision of security cameras and gates - public wi-fi (to be maintained), perimeter fencing, parking lot lighting and EV charging stations, traffic signing and marking, landscaping, irrigation, permitting and arborist's services. Anticipated contract approval in August.

Pompano Beach, FL

Lyons Park Improvements Project Value Engineering/Constructability Review

Project Manager for value engineering and constructability review of the Lyons Park Neighborhood Improvements Project. Stormwater and sanitary sewer improvements are proposed for the 130± acre area. The construction plan documents, Basis of Design Report, Drainage Report and 90% Construction Cost Estimate, prepared by others, were reviewed for clarity, consistency, completeness, ease of construction, and discipline coordination. Issues identified as potential value enhancements for the project were so noted and reported.

Pompano Beach, FL

Kendall Lake Drainage Improvements

Project Manager for design, permitting and bidding of the proposed stormwater improvements within the Kendall Lake Neighborhood to address roadway flooding and standing water issues after rainfall events. The project included proposed drainage structures, piping, exfiltration trench and outfall improvements. Various permits were obtained for this project as well. Permits obtained include Broward County Environmental Resource Permit, Broward County Surface Water Management License, Broward County Environmental License, and Broward County Traffic Permit.

Pompano Beach, FL

Gateway Drive Stormwater Improvements

Project Manager for design, permitting, and bidding of the proposed stormwater improvements within the Gateway Drive area to address roadway flooding and standing water issues after rainfall events. The project included proposed drainage structures, piping, and outfall improvements. Permits obtained include Broward County Environmental Resource Permit, Broward County Surface Water Management License, South Florida Water Management District, Broward County Traffic Permit, and US Corps of Engineers.

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Rebecca Travis, PE, ENV SP
Page 2 of 3

Pompano Beach, FL

Esquire Lake Stormwater Improvements

Project Manager for design, permitting, and bidding of the proposed stormwater improvements within the Esquire Lake Neighborhood to address roadway flooding and standing water issues after rainfall events. The project included proposed drainage structures, piping, exfiltration trench, and outfall improvements. Permits obtained include Broward County Environmental Resource Permit, Broward County Surface Water Management License, Broward County Traffic Permit, and City of Pompano Beach Building Department.

Gulf Stream, FL

Minor Drainage Improvements

Project Manager for inventory of existing ponding along roadways within the Town and preparation of technical memorandum summarizing proposed improvements including roadway widening. Based on the technical memorandum, the Town elected to proceed with a change order for the proposed improvements to a contractor already working on another project within the Town. B&W assisted the Town with providing quantities and pay item descriptions for the additional work for the change order.

Wilton Manors, FL

Water, Wastewater, and Stormwater Integrated Master Plan

Project Manager for the preparation of an Integrated Master Plan to inventory, assess and prepare a Capital Improvement Plan (CIP) for the Water Distribution System, Wastewater Collection System, and Stormwater System. The CIP includes improvement recommendations with estimated budgetary cost estimates for short-term (1 to 10 years) and long-term (11 to 25 years) planning horizons with an emphasis on the redevelopment expected to occur by 2025.

Lauderdale-By-The-Sea, FL

Sidewalk ADA Compliance Inventory and Recommendations

Project Manager for a Town-wide inventory and review of the sidewalk connections at street intersections, and determined whether the connections are ADA compliant. An inventory of all Town owned and maintained sidewalks at street intersections within the Town limits was conducted in the field, and used to prepare a technical memorandum including all required sidewalk upgrades and associated cost estimates.

Lauderdale-by-the-Sea, FL

El Mar Drive Improvements

Project Manager for engineering design, public outreach, and permitting services for roadway, drainage, sanitary sewer, landscaping, lighting, sidewalk, and signing and marking improvements on El Mar Drive from Pine Avenue to Palm Avenue.

Lantana, FL

Beach Parking Lot Improvements

Project Manager for a drainage improvement and parking lot beautification project for the existing Beach Parking Lot located on Ocean Boulevard (SR A1A). Design improvements included raising the elevation of the parking area to reduce tidal impacts, improved surface runoff by pavement slope, new drainage pipe, inlets and connection to the drainage outfall, realignment of the parking lot access points to improve vehicular circulation, sidewalks, striping, and decorative pavement in selected areas. The design included permitting through the Florida

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Rebecca Travis, PE, ENV SP
Page 3 of 3

Department of Transportation (FDOT) for construction of the entrance driveway improvements, located within the FDOT right-of-way.

Lantana, FL

Lantana Sports Facility

Project Manager to provide design, permitting and construction services for the Lantana Sports Facility. Services provided included site civil, sports lighting, MEP, and sports field engineering design services; architectural, landscape, and irrigation design services; surveying; permitting; coordination with FPL; bidding and construction administration; and inspection services for the complete project development.

Lantana, FL

4-Log Virus Removal Demonstration to Health Department

Project Manager for assisting the Town with application to Florida Department of Health to demonstrate 4-log virus removal through the Town's Water Treatment Plant processes.

Palm Beach County Water Utilities District, FL

Western Region Operations Center

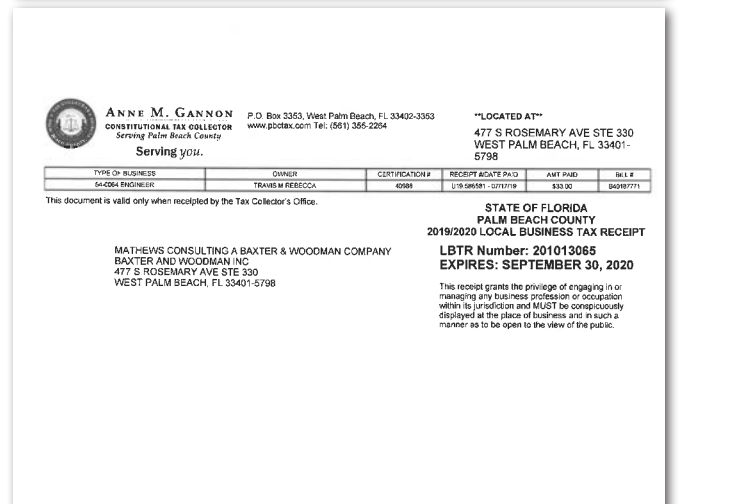
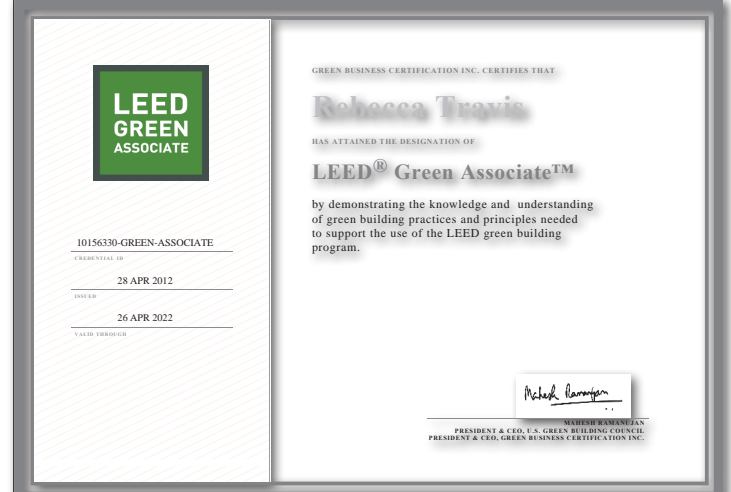
Project Manager to provide comprehensive site planning, design, permitting, and construction administration and inspection services for their new Western Region Operations Center (WROC) in Belle Glade, Florida. Baxter & Woodman provided WROC Master Project Scheduling services. The design and construction followed the Florida Green Building Coalition Commercial Building Standard in an effort to address sustainability in design.

Palm Beach County Water Utilities District, FL

Central Region Operations Center Parking Lot Expansion

Project Manager providing the following services for the Central Region Operations Center parking lot expansion: clearing, grubbing, earthwork, asphalt concrete parking lot, curbing, striping, sodding, drainage inlets and piping, parking lot lighting, conduit and wiring, and connections to existing drainage system and parking lot lighting system as required.

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Jeffrey G. Hiscock, PE

Stormwater Modeling and Design Project Manager

Education

B.S., Mechanical Engineering,
University of Florida, 1986

Years of Experience: 34

Joined Firm in 2018

Registrations

Licensed Professional Engineer,
Florida

Presentations

*Keeping Ahead of Sea Level Rise -
A Holistic Approach in Lake Park,
Florida* - Florida Stormwater
Association Annual Conference,
June 2020

Jeff has over 30 years of engineering management experience with focus on water management engineering, stormwater pumping station design, and Geographic Information Systems (GIS) programming. Jeff is specifically experienced with watershed assessments and detailed basin flood-routing analyses using computational hydrology and hydraulics computer modeling, and GIS.

Representative Projects

Pompano Beach, FL Kendall Lake Drainage Improvements

Project Manager for design, permitting and bidding of the proposed stormwater improvements within the Kendall Lake Neighborhood to address roadway flooding and standing water issues after rainfall events. The project included proposed drainage structures, piping, exfiltration trench and outfall improvements. Various permits were obtained for this project as well. Permits obtained include Broward County Environmental Resource Permit, Broward County Surface Water Management License, Broward County Environmental License, and Broward County Traffic Permit.

Pompano Beach, FL Gateway Drive Stormwater Improvements

Project Manager for design, permitting, and bidding of the proposed stormwater improvements within the Gateway Drive area to address roadway flooding and standing water issues after rainfall events. The project included proposed drainage structures, piping, and outfall improvements. Permits obtained include Broward County Environmental Resource Permit, Broward County Surface Water Management License, South Florida Water Management District, Broward County Traffic Permit, and US Corps of Engineers.

Pompano Beach, FL Esquire Lake Stormwater Improvements

Project Manager for design, permitting, and bidding of the proposed stormwater improvements within the Esquire Lake Neighborhood to address roadway flooding and standing water issues after rainfall events. The project included proposed drainage structures, piping, exfiltration trench, and outfall improvements. Permits obtained include Broward County Environmental Resource Permit, Broward County Surface Water Management License, Broward County Traffic Permit, and City of Pompano Beach Building Department.

Wilton Manors, FL Integrated Utility Master Plan

Project Manager for Stormwater Master Plan portion of project. GIS datasets of land use, soils, topography (LiDAR) and infrastructure were used with customized GIS algorithms to create hydraulic and hydrologic model data for the entire City. Since the Middle River is tidal, there are concerns regarding Sea Level Rise (SLR) in areas that are already impacted by king tides. Inter-connected Pond Routing Program (ICPR4) was used to assess the existing conditions and future conditions using a GIS future land use dataset and assumptions for SLR. Short-term and long-term improvements were recommended based on the modeling results in terms of improving the City's overall roadway Level of Service (LOS). Improvements include combinations of new pipe systems, check valves and pump stations

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Jeffrey G. Hiscock, PE
Page 2 of 2

Palm Beach, FL

Stormwater Master Plan for Palm Beach International Airport

Provided water resource engineering and GIS for a study of the existing stormwater management system and update of the stormwater master plan addressing aging facilities, water quality, water quantity, future land use, and costs and phasing. Improvements included new pipe and detention facilities and replacement of WWII era stormwater pump stations.

Boynton Beach, FL

Stormwater Master Plan

Provided water resource engineering and GIS management for master plan that included inventory and mapping of the City of Boynton Beach storm sewer facilities, delineation of watershed boundaries and sub-basin boundaries, and a computerized database of stormwater related information. Design improvements for four priority areas with the city.

Lake Park, FL

Lake Shore Drive Drainage Improvements

Project Manager for roadway, ADA compliant pathway, and other related improvements on Lake Shore Drive starting from the entrance of the Lake Park Marina north 3,220 feet to Castlewood Drive. The Preliminary Design Report included stormwater modeling analysis to compare drainage alternatives and to size drainage facilities for the appropriate level of protection.

West Palm Beach, FL

Re-Evaluation of Stormwater Utility and Billing Methodology

Provided consulting services to CDM, Inc. to perform a re-evaluation of the City's Storm Water Utility billing methodology and to conduct a series of public workshops with a volunteer stakeholders committee to explain the current and alternation methodologies and to solicit recommendations. Several methodologies were covered including Flat Fee, Runoff Coefficient, Intensity of Development Factor, Residential Flat Fee, Equivalent Residential Unit (ERU), Single Family Unit (SFU), Tiered Residential Fee, Level-of-Service, etc.

West Palm Beach, FL

Stormwater Utility


Served as Project Manager and Engineer of Record for City's Stormwater Utility for five years. Attended and presented at Storm Water Utility Board and City Commission meetings. Responsibilities included assisting the City with implementation of stormwater projects, permitting, assistance in meeting NPDES requirements, GIS, and review of construction drawings.

West Palm Beach, FL

Stormwater Master Plan

Served as Project Manager and Engineer of Record for preparation of the City-wide Master Plan, which included recommendations regarding the implementation of stormwater programs and projects throughout the City. The Plan addressed the short-term and long-term stormwater improvements needed in the City along with a recommended Capital Improvement Plan.

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Ron DeSantis, Governor

Halsey Beshears, Secretary



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

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

HISCOCK, JEFFREY G
4003 WILLOW RUN
PALM BEACH GARDENS FL 33418

LICENSE NUMBER: PE43984

EXPIRATION DATE: FEBRUARY 28, 2021

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Sira "Jockey" Prinyavivatkul, PE

Water, Wastewater and Utility Renewal/Replacement Project Manager

Education

B.S. Ocean Engineering,
Florida Atlantic University,
2002

Joined Firm in 2019

Years of Experience: 19

Registrations

Licensed Professional Engineer,
Florida

Presentations

American Society of Civil
Engineers (ASCE)

Sira is a Florida licensed Professional Engineer with nineteen years of Civil Engineering experience. Sira's disciplines of practice include public, private commercial, private residential, and private industrial projects that encompassed pump stations, sanitary sewers, stormwater management, potable water, reuse, parking lots, and roadways.

Representative Projects

Pompano Beach, FL

Lyons Park Improvements Project Value Engineering and Constructability Review

Project Manager for value engineering and constructability review of the Lyons Park Neighborhood Improvements Project. Stormwater and sanitary sewer improvements are proposed for the 130± acre area. The construction plan documents, Basis of Design Report, Drainage Report and 90% Construction Cost Estimate, prepared by others, were reviewed for clarity, consistency, completeness, ease of construction, and discipline coordination. Issues identified as potential value enhancements for the project were so noted and reported.

Lauderdale-By-The-Sea, FL

Palm Club Sanitary Sewer System Design

Project Manager for the data collection, engineering design, permitting, public participation & coordination, bidding assistance, construction administration, and part-time construction inspection services related to the septic to sewer conversion of the Palm Club Sanitary Sewer System project. Baxter & Woodman provided design services for a conventional gravity sewer system including the design of a lift station to transmit wastewater to the Pompano Beach force main system.

Wilton Manors, FL

Water, Wastewater, and Stormwater Integrated Master Plan

Project Manager for the preparation of an Integrated Master Plan to inventory, assess and prepare a Capital Improvement Plan (CIP) for the Water Distribution System, Wastewater Collection System, and Stormwater System. The CIP includes improvement recommendations with estimated budgetary cost estimates for short-term (1 to 10 years) and long-term (11 to 25 years) planning horizons with an emphasis on the redevelopment expected to occur by 2025 according to the City.

Gulf Stream, FL

Wastewater Feasibility Study

Project Manager for the preparation of Wastewater Feasibility Study to assess the sewerage options to convert the Town from septic to centralized sewer collection system. Options included gravity sewer, low pressure sewer and vacuum sewer systems. Alternatives were evaluated for the transmission of the wastewater to either the City of Boynton Beach, City of Delray Beach or a combination of the two. Preliminary layouts were developed for each option and alternative with associated construction, operation and maintenance cost estimates.

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Sira "Jockey" Prinyavivatkul, PE
Page 2 of 2

Gulf Stream, FL

State Road A1A Water Main Improvements – Phase 2

Project Manager for the data collection, engineering design, permitting, public participation & coordination, bidding assistance, construction administration, and part-time construction inspection services related to the replacement of existing asbestos cement 6-inch C900 water main along State Road A1A with a new 12-inch water main and replacement of the asbestos cement 6-inch water mains on Sea Road, County Road and Little Club Road with 8-inch C900 water mains.

Palm Beach County Water Utilities, FL

Improvements to Master Repump Station 9-North

Project manager for the data collection, engineering design, permitting, and bidding services for the upgrades and improvements at Master Repump Station 9-North, located at 1911 O S. State Road 7, Boca Raton, in District 5 of the County's service area. The purpose was to upgrade the Master Repump Station to provide additional reliability and improved operations.

Palm Beach County Water Utilities, FL

Improvements to Lift Stations 393, 1023 and 8168 (Abidjan Estates)

Project Manager for the data collection, engineering design, permitting and bidding services for the upgrades and improvements at three separate lift stations within Palm Beach County's service area. Lift Station 393 required a design of a completely new lift station at a new location due to the existing lift station being within the right of way of Drexel Road. Lift Station 1023 was an existing can type lift station located in close proximity to two residential properties. The existing lift station was re-utilized and converted into a submersible type lift station that reduced impacts to adjacent residents. Lift Station 8168 was a rehabilitation project where the pumps, piping, valves, and appurtenances were replaced.

Florida Keys Aqueduct Authority, FL

Ramrod Key Pump Station – Fuel System


Project Manager for the data collection and engineering design for the improvements to the Ramrod Key Pump Station fuel system. The work included the demolition two existing diesel bulk storage tanks and cast-in-place concrete containment areas and installation of an owner supplied double walled, 10,000 gallon diesel bulk storage tank. Also included was the installation of a day tank to feed the emergency diesel driven pump and replacement of an existing day tank that serves the emergency diesel generator. All fuel lines between the new diesel bulk storage tank and day tanks were replaced with new stainless steel piping. Electrical and instrument and controls were upgraded to accommodate the new equipment. A covered parking area was designed in place of the demolished diesel bulk storage tanks.

West Palm Beach, FL


North Shore Drive Subaqueous Water Main Crossing

Project Manager for the data collection, engineering design, and permitting for a subaqueous crossing at North Shore Drive in the City of West Palm Beach. The existing bridge mounted water main had reached the end of its useful service life. Baxter & Woodman had previously provided design drawings and specifications in the past. The City of West Palm Beach requested Baxter & Woodman to re-evaluate the design and make adjustments as needed. Additional subsurface utility locates, geotechnical exploration and survey data collection were included for the design.

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Ron DeSantis, Governor



STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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




PRINYAVIVATKUL, SIRAJ.

2078 FOXTAIL VIEW COURT
WEST PALM BEACH FL 33411

LICENSE NUMBER: PE64655

EXPIRATION DATE: FEBRUARY 28, 2021

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John E. Richards III, PE

Transportation Assistant Project Manager

Education

B.S., Civil Engineering
University of North Carolina at
Charlotte, 2007

Joined Firm in 2020

Years of Experience: 13

Registrations

Licensed Professional Engineer:
Florida, North Carolina

Associations

ASHE Second Vice President,
Carolina Triangle Section, 2019

ASHE Programs Chair, Carolina
Triangle Section, 2019

ASHE Technical/Professional
Development Co-Chair, Carolina
Triangle Section, 2016-2019
North Carolina Local Users
Group (NCLUG), Member, 2014-
2020

Florida Local Users Group
(FLUG), Member, 2020

John recently joined Baxter & Woodman with more than thirteen years of experience working on transportation projects including sidewalk, bridge replacement, interchange, widening, and feasibility study projects. He has provided planning and design engineering services for preliminary and final design plans and developed materials/maps for public meetings. He is also adept at Computer Aided Drafting Design (CADD) software with GEOPAK, as well as ArcGIS.

During John's tenure with the North Carolina Department of Transportation (NCDOT), he provided project development and management support for highway and transportation related projects including coordinating with internal and external agencies, facilitation of project meetings, public involvement, and document preparation. His experience working for NCDOT also includes processing transportation projects in accordance with the National Environmental Policy Act (NEPA) and related laws. He is proficient at analyzing environmental impacts of preliminary design alternatives using ArcGIS which includes integration of design files into GIS applications and vice versa.

Representative Projects

- Bridge No. 56 on NC 24 over Six Runs Creek in Sampson County, NC. Provided final roadway design plans. Project included on-site detour design.
- Bridge No. 105 over Yadkin River Overflow on US 421, Yadkin County, NC. Developed preliminary and final roadway design plans. Project included on-site detour.
- Pleasant Valley Road improvements in Raleigh, Wake County, NC. Completed public hearing map and assisted in the completion of design plans for right of way acquisition. Project included reconstruction, bike lanes and sidewalks.
- Mission Hospital, provided pavement marking plans for reconstructed entrance to emergency department, Asheville, NC.
- East Young Street, from US 401 (Louisburg Rd) to Rolesville High School, local area project to construct sidewalks along roadway and at intersection with US 401. Completed preliminary design plans.
- Wayside Road and Lindsay Road, from Plank Road to Rockfish Road, Hoke County, NC. Developed the preliminary design and public meeting map for the widening of Wayside and Lindsay Road to a multi-lane raised median divided facility. Multiple options were developed which included alignment shifts, curb sections, a roundabout, and a reduced conflict intersection (RCI) at US 401.
- Strickland Bridge Road, from Fisher Road to US 401 (Raeford Road), Fayetteville, NC. Feasibility study to widen roadway to multi-lanes with raised median, bike lanes, sidewalks and/or multi-use path in Fayetteville, NC.
- US 501 Business (Roxboro Street) from SR 1004 (Old Oxford Road) to I-85, Durham County, NC. Feasibility study to convert US 501 Business to a complete street facility with a raised median, bike lanes and sidewalks.
- Howard Street, from Water Street to Appalachian Street in Boone, NC. Developed concept and final design plans to convert the roadway to a Woonerf style, streetscape project to include pedestrian amenities.

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John E. Richards III, PE
Page 2 of 2

- Rowan Street (NC 24-210) bridge replacement over CSX, Norfolk Southern Railroads and Hillsboro Street and intersection improvements in Fayetteville, NC. Completed the Environmental Assessment (EA) and sealed the final environmental document, a Finding of No Significant Impact (FONSI).

Previous Experience:

Dewberry Engineers, Inc., NC

Senior Project Manager for the design of transportation projects. Provided corridor modeling (including OpenRoads Designer) assistance to designers and engineers. Production of functional, preliminary, and final design plans. Development of fee estimates. Business and proposal development. Management of designers, engineers, and planners.

A. Morton Thomas and Associates, Inc., NC

Project Manager of transportation projects in various states of pre-construction engineering including sidewalk, bridge replacement, interchange, widening, and express design projects. Design Engineer for various transportation related projects including rehabilitation, complete street, and widening projects. Provided design assistance to designers and engineers in the development of design plans. Produced public meeting maps, functional, preliminary, and final design plans. Developed requests for proposals for transportation projects.

John Davenport Engineering, Inc., NC

Project Engineer and produced transportation design plans including roadway, traffic control, and pavement marking plans. Provided design services for projects ranging from feasibility studies to preliminary and final design. Preparation of public meeting maps for public meetings for intersection improvement projects and feasibility studies.

AECOM (formerly URS, Inc.), NC

Roadway Designer and developed several functional and preliminary design plans for urban and rural roadway projects. Worked on Environmental Impact Statements (EIS), and assisted in the facilitation of public involvement activities, including public meetings, door-to-door citizen interaction, and public meeting map preparation. Applied NCDOT and AASHTO guidelines to roadway projects using Microstation (Computer Aided Drafting Design (CADD) software) with GEOPAK.

North Carolina Department of Transportation (NCDOT)

Project Planning Engineer for the development of highway and transportation related projects. This included coordination with internal and external agencies, facilitation of project meetings, public involvement, and document preparation. Also, worked with planners and technicians to analyze environmental impacts using ArcGIS and CADD software in order to evaluate alternatives and identify avoidance and minimization strategies.

North Carolina Department of Transportation (NCDOT)

Transportation Engineering Associate and worked in construction and maintenance departments as well as several other design departments including traffic engineering, congestion management, geotechnical engineering unit, roadway design, value engineering management, and project development.

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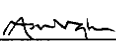
State of Florida

Board of Professional Engineers

Whereas, **John Enterman Richards III** has shown competency and fitness to practice Professional Engineering and has complied with all requirements of the Board of Professional Engineers; therefore by virtue of the powers vested in said Board by the State of Florida, the Florida Board of Professional Engineers hereby issues this certificate of licensure numbered 88845 to practice Professional Engineering in the State of Florida as provided by the laws of the state and subject to the powers as vested in said Board.



In Testimony Whereof, Witness the signature of the Chair and Vice Chair under the seal of the Board this 8th day of January, 2020.


 Babu Varghese
 Chair


 C. Kevin Fleming
 Vice Chair





Courtney K. Marshall, PE

Stormwater, Water, Wastewater and Utility Renewal/Replacement Assistant Project Manager

Education

B.S., Environmental Engineering
University of Florida, 2013

Years of Experience: 6

Joined Firm in 2014

Registrations

Licensed Professional Engineer,
Florida

Certifications

Certificate of Training/Attendance:
33rd Annual Governor's Hurricane
Conference

Certificate of Achievement:
Writing A Competitive FDOT SRTS
Application

Florida Dept of Transportation
GAP Web-based System for Local
Project Delivery

Certificate of Training Completion:
Stormwater Management Using
BMP Trains

Courtney assists with engineering design for roadway and infrastructure improvements, stormwater management systems, potable water systems, reclaimed water systems and wastewater collection and transmission systems.

Representative Projects

Lake Worth, FL

Neighborhood Road Program (4 years)

- **District 2 – Year 1** – Project Engineer for the engineering design, public outreach, permitting bidding and construction engineering services for roadway reconstruction; roadway mill and overlay; selective sidewalk and curbing replacement (ADA compliant); roadway striping and signage; stormwater; and sanitary sewer improvements for residential roads.

- **District 2 – Year 2** – Project Engineer for the engineering design, public outreach, permitting, bidding, and construction engineering services for roadway reconstruction, roadway mill and overlay, selective sidewalk and curbing replacement (ADA compliant), roadway striping and signage, water main, and stormwater improvements for residential roads. Project included design and permitting for a water main jack and bore installation across the FEC Railway.

- **District 2 – Year 3** – Project Engineer for the engineering design, public outreach, permitting bidding, and construction engineering services for roadway reconstruction, roadway mill and overlay, selective sidewalk and curbing replacement (ADA compliant), roadway striping and signage, stormwater, and potable water main improvements for residential roads.

- **District 2 – Year 4** – Project Engineer for the engineering design, public outreach, permitting, bidding, and construction engineering services for roadway reconstruction, roadway mill and overlay, selective sidewalk and curbing replacement (ADA compliant), roadway striping and signage, stormwater, and potable water main improvements for residential roads.

City of Pompano Beach, FL

Kendall Lake Drainage Improvements

Project Engineer for design, permitting and bidding of the proposed stormwater improvements within the Kendall Lake Neighborhood to address roadway flooding and standing water issues after rainfall events. The project included proposed drainage structures, piping, exfiltration trench and outfall improvements. Various permits were obtained for this project as well. Permits obtained include Broward County Environmental Resource Permit, Broward County Surface Water Management License, Broward County Environmental License, and Broward County Traffic Permit.

Pompano Beach, FL

Gateway Drive Stormwater Improvements

Project Engineer for design, permitting, and bidding of the proposed stormwater improvements within the Gateway Drive area to address roadway flooding and standing water issues after rainfall events. The project included proposed drainage structures, piping, and outfall improvements. Permits obtained include Broward County Environmental Resource Permit, Broward County Surface Water Management License, South Florida Water Management District, Broward County Traffic Permit, and US Corps of Engineers.

Pompano Beach, FL

Esquire Lake Stormwater Improvements

Project Engineer for design, permitting, and bidding of the proposed stormwater improvements within the Esquire Lake Neighborhood to address roadway flooding and

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Courtney K. Marshall, PE
Page 2 of 2

standing water issues after rainfall events. The project included proposed drainage structures, piping, exfiltration trench, and outfall improvements. Permits obtained include Broward County Environmental Resource Permit, Broward County Surface Water Management License, Broward County Traffic Permit, and City of Pompano Beach Building Department.

Lantana, FL
2019 10-Year Water Supply Plan Update

Project Engineer for updating the Town's 10-Year Water Supply Facilities Work Plan and Comprehensive Plan per SFWMD's update to the Lower East Coast Water Supply Plan approved in January 2019.

Lauderdale-by-the-Sea, FL
El Mar Drive Improvements

Project Engineer for engineering design, public outreach, and permitting services for roadway, drainage, sanitary sewer, landscaping, lighting, sidewalk, and signing and marking improvements on El Mar Drive from Pine Avenue to Palm Avenue.

Lake Park and Seacoast Utility Authority, FL
Lake Shore Drive Infrastructure Improvements

Project Engineer for engineering design, public outreach, permitting, bidding, and construction services for roadway, drainage, potable water main, and sanitary sewer improvements, ADA compliant pathway, street lighting and landscaping on Lake Shore Drive starting from the entrance of the Lake Park Marina to Castlewood Drive. The proposed improvements included a piped drainage system to a stormwater pump station that pumps into a bio-swale for water quality prior to ultimately discharging to the Lake Worth Lagoon. Project is currently in progress and submitted for Hurricane Mitigation Grant Funding (HMGP). Project includes obtaining an Environmental Resource Permit from FDEP and a Nationwide Permit from USACOE.

Delray Beach, FL
SW 4th St., SW 6th St., SW 7th Ave., & SW 3rd Ct. Neighborhood Improvements

Project Engineer for the engineering preliminary design report, final design, public outreach, permitting, bidding, and construction services for 8,720 LF of reclaimed water main, 740 LF of potable water main, 5,950 LF of sanitary sewer improvements, 2,440 LF of drainage improvements, 7,750 LF of roadway reconstruction, 3,300 LF of roadway mill and overlay, 4,300 LF of permeable alleyway paving, landscaping, lighting, sidewalk, and signing and marking improvements in the SW Neighborhood. Project included coordination with utility companies for relocation of above ground facilities in conflict with the proposed improvements. Project included AWS Grant Funding from SFWMD.

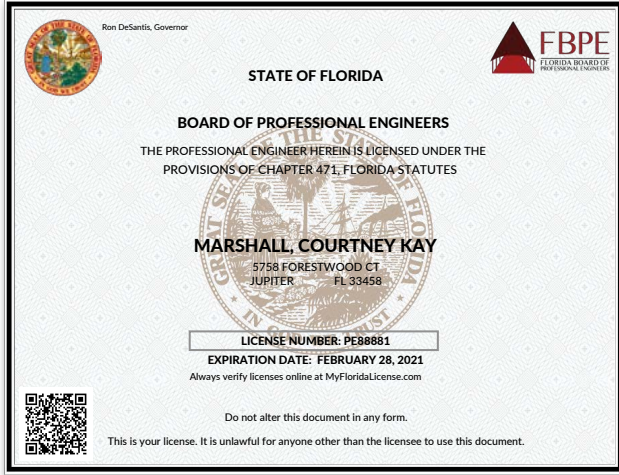
Lantana, FL
4-Log Virus Removal Demonstration to Health Department

Project Engineer for assisting the Town with application to Florida Department of Health to demonstrate 4-log virus removal through the Town's Water Treatment Plant processes.

Lantana, FL
Lift Station No. 6, 16, and 18 Rehabilitation

Project Engineer for rehabilitation of Lift Stations No. 6, 16, and 18 for the Town of Lantana. Improvements included replacement of pumps, rails, hatches, top slab, control panels, and associated conduit and piping.

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Mark L. Dachsteiner, PE

Construction Project Manager (Survey, Design and Construction)

Education

B.S., Mining Engineering
Southern Illinois University,
1987

Joined Firm in 1996

Years of Experience: 34

Registrations

Licensed Professional Engineer:
Florida

Licensed Professional Engineer:
Illinois

FDEP-Storm water Erosion &
Sedimentation Control Qualified
Storm water Management
Inspector (#38853)

FDOT CTQP Active Certifications

FDEP Certification
Concrete Field Inspector
HMA Level 1 & 2
Final Estimates Levels 1 & 2
QC Manager

Associations

American Society of Civil
Engineers FL& Broward Chapter

Engineers Without Borders –
Florida Chapter

South Florida Branch- American
Public Works Association

Florida Engineering Society

Broward County Municipal
League.

Mark has 34 years of survey, transportation and infrastructure design, construction engineering, and project management experience. He is involved in all phases of project development, conducting topographical surveys, design of roadways, sewers, water mains, pump stations, and providing construction engineering services for these projects. Mark has concentrated his efforts on the administration of governmental agencies and municipal engineering projects. He is very knowledgeable about the requirements of various funding programs for project inspection, documentation, and procedures.

Mark is the Region Manager for our Fort Lauderdale office, and he also serves as a client liaison for several agencies and communities, including Town of Southwest Ranches, City of Lauderdale, Broward County, Monroe County, and the City of Key West.

Representative Projects

Pompano Beach, FL Reuse System NE Expansion Phase II

Construction Project Manager for the construction of approx. 7,125 LF of new Reuse Water Mains in a residential area. The project consisted of furnishing all labor, materials, equipment and all incidentals and appurtenances to install new reuse water main piping, and services. Additionally, the scope includes swale grading, sodding, roadway restoration, pavement resurfacing, dewatering, MOT, pavement marking, and striping. Obtain Broward County Permit for pavement for operations of system. The NE Reuse Water Main Project was located in City of Lighthouse Point.

Pompano Beach, FL Esquire Lake Stormwater Improvements

Construction Project Manager for design, permitting, and bidding of the proposed stormwater improvements within the Esquire Lake Neighborhood to address roadway flooding and standing water issues after rainfall events. The project included proposed drainage structures, piping, exfiltration trench, and outfall improvements. Permits obtained include Broward County Environmental Resource Permit, Broward County Surface Water Management License, Broward County Traffic Permit, and City of Pompano Beach Building Department.

Pompano Beach, FL US 1 Transit Hub - Survey, Site Plan and Engineering Design

Construction Project Manager for the Transit Hub project design. Services include site layout of a parking lot on the CRA-owned parcels, stormwater and driveway turnout design, coordination with the City for provision of security cameras and gates - public wi-fi (to be maintained), perimeter fencing, parking lot lighting and EV charging stations, traffic signing and marking, landscaping, irrigation, permitting and arborist's services. Anticipated contract approval in August.

Town of Lauderdale by the Sea El Mar Drive Streetscape Improvements

Survey Project Manager for Topographic Survey Work. Coordination with staff and Landscape Architect (Planner) in obtaining site and utility information for the roadways and parcels.

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Mark L. Dachsteiner, PE
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Continuing Education

Doug Cartland, Inc.

"Creating Excellence in Communication and Customer Relations" training, 2016

Doug Cartland, Inc.

"Problem/Communication Resolution" training, 2017

Broward County Transportation

NW 136th Ave (Panther Parkway), Red Snapper Road, Sawgrass Mills Circle, 10 acre parcel in the City of Sunrise- Survey

Client Liaison/Survey Project Manager for Topographic Survey Work. Coordination with the City of Sunrise Community Development and Engineering Departments in obtaining utility information for the roads and parcels located at the Sawgrass Mills Mall.

Monroe County, FL

Koehn and Big Pine Shores Subdivision Roadway and Drainage Improvements

Client Liaison/Project Manager EOR for the Design and Survey Services for the development of Plans and Specifications for the reconstruction/resurfacing of 19,000 feet of roadways and drainage improvements. Coordination and compliance with US Fish and Wildlife and SFWMD for permitting and FDOT District 6 during the design work prior to bidding.

Town of Southwest Ranches

Topographic Survey of 4 Drainage Improvements Projects

Client Liaison/Survey Project Manager for Topographic Survey Work for the Broward County Drainage District drainage improvements in the Town of Southwest Ranches.

City of Pembroke Pines

FSU and West Campus Charter Schools Parking Lot and Recess Field Improvements.

Project Manager for the design engineering and modifications to improve vehicular traffic (buses and cars) access and pedestrian walkways and recess Field modifications.

City of Delray Beach, FL

CEI Phases II & III Seacrest Beautification

Project Manager for Phase II and responsible for construction engineering, inspection, public outreach, and FDOT LAP coordination. As part of four project phases, the City is improving the 1.5 mile stretch of Seacrest Boulevard, from George Bush Boulevard at the south to Gulfstream Boulevard at the north. The project goals included increased use and safety for pedestrians and bicyclists while beautifying the streetscape within a highly visible neighborhood.

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Ron DeSantis, Governor
Halsey Beshears, Secretary

Florida dbpr

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

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

DACHSTEINER, MARK LEROY
6600 N. ANDREWS AVE
SUITE 100
FORT LAUDERDALE FL 33309

LICENSE NUMBER: PE83957
EXPIRATION DATE: FEBRUARY 28, 2021

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FDOT
Florida Department of Transportation's
Construction Training Qualification Program

Certification of Qualification
Mark Dachsteiner
Has completed the requirements for:
Final Estimates - Level 1
Expiration Date: October 27, 2022*

CTQP
Construction Training Qualification Program
www.ctqpfloida.com

Melissa Wildermuth
Melissa Wildermuth
CTQP Program Administrator

*Continued Qualification is subject to FDOT procedure 700-000-01.



FDOT
Florida Department of Transportation's
Construction Training Qualification Program

Certification of Qualification
Mark Dachsteiner
Has completed the requirements for:
Final Estimates - Level 2
Expiration Date: October 26, 2022*

CTQP
Construction Training Qualification Program
www.ctqpfloida.com

Melissa Wildermuth
Melissa Wildermuth
CTQP Program Administrator

*Continued Qualification is subject to FDOT procedure 700-000-01.



FDOT
Florida Department of Transportation's
Construction Training Qualification Program

Certification of Qualification
Mark Dachsteiner
Has completed the requirements for:
QC Manager
Expiration Date: Does Not Expire*

CTQP
Construction Training Qualification Program
www.ctqpfloida.com

Melissa Wildermuth
Melissa Wildermuth
CTQP Program Administrator

*Continued Qualification is subject to FDOT procedure 700-000-01.



QUALIFIED STORMWATER MANAGEMENT INSPECTOR

The undersigned hereby acknowledges that
Mark Dachsteiner
has successfully met all requirements necessary to be fully qualified through the Florida Department of Environmental Protection Stormwater Erosion and Sedimentation Control Inspector Training Program

Heidi Lansford
Heidi Lansford
Statewide Training Coordinator

October 25, 2017
Inspector Number 38853

Kevin Coyne
Kevin Coyne
WQP Program Administrator



Kyle Scott, PE

Water/Wastewater Engineer

Education

B.S., Environmental Engineering
University of Central Florida, 2013

Years of Experience: 6

Joined Firm in 2014

Registrations

Licensed Professional Engineer:
Florida

Associations

American Public Works
Association, Gold Coast Chapter
President - 2020

Kyle has over 6 years of engineering design and construction experience, which includes potable water systems, reclaimed water systems, wastewater collection and transmission systems, hydraulic modeling, master planning, and construction observation.

Representative Projects

Pompano Beach, FL

Area D Sanitary Sewer System

Project Engineer for the design of a new conventional gravity sewer system to serve "Area D", an unsewered area that occupies approximately 21 acres along Martin Luther King Boulevard, east of the Turnpike and west of NW 27th Avenue. The design elements included: one new packaged submersible lift station and control panel; approximately 1,650 LF of 8-inch gravity sanitary sewer, seven manholes, six sewer laterals, and clean-outs; approximately 800 LF of 3-inch to 4-inch force main and fittings; and roadway trench repair.

Pompano Beach, FL

Wastewater Master Plan

Project Engineer for developing a new Wastewater Master Plan for the City. Tasks included evaluation of historical wastewater flow data, projection of future population and wastewater flows, evaluation of non-sewered areas, performance of asset evaluation and condition assessment of existing lift stations and wastewater collection system, evaluation of I/I issues, development of hydraulic model and identification of improvements needed to meet future flow conditions, provide cost estimate, and recommended schedule for improvements.

Boca Raton, FL

2020 City-Wide Wastewater Force Main Hydraulic Model

Project Engineer responsible for providing engineering services to create a hydraulic model for the City of Boca Raton. The model included 116 miles of force main and 161 lift stations. The engineer created the modeling scenarios to simulate and assess the existing Annual Average Daily Flows, existing Peak Hour Flow and future Peak Hour Flows. Model performance data was evaluated and a detailed review of the system provided. The engineer was responsible for identification of improvements needed to meet existing and future flow conditions and provide a list of prioritized project recommended for the improvements.

Delray Beach, FL

2016 Reclaimed Water Master Plan Update

Project Engineer responsible for providing engineering services to update the City's previous 2003 Reclaimed Water Master Plan, and identify future phases of the reclaimed expansion project. Tasks included the review of historical flow records of existing customers, and quantification of actual reclaimed water demands for existing customers; development of an updated list of future reclaimed water customers; a corridor analysis and field investigations for the proposed future reclaimed water transmission, distribution pipelines to determine which pipeline alignments are the most feasible based on review of existing City utility alignments. Engineer responsible for identifying the recommended future reclaimed water customers; and the recommended transmission and distribution pipe layout segregated into phases, with detailed cost analysis presented for each phase.

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Kyle Scott, PE
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Delray Beach, FL

Master Lift Station No. 1 Improvements

The City of Delray Beach Master Lift Station No. 1 (MLS #1) is a triplex dry-pit pump station located between S.E. 5th Avenue and S.E. 6th Avenue just south of S.E. 4th Street. The station was last rehabilitated in 1994, and the facility, with its associated mechanical/electrical components, is nearing the end of its useful service life. The City desired to provide upgrades to MLS #1 as required to accommodate necessary renewal and replacement improvements as well as to provide capacity for future City growth and redevelopment.

West Palm Beach, FL

Downtown Water/Wastewater Master Plan – Buildout Analysis

Project Manager for development of a downtown buildout, re-development master plan for the water distribution system, the wastewater lift station, and force main system.

West Palm Beach, FL

Wastewater Master Plan – 2019 Update

Evaluate the existing wastewater utility system and make recommendations for necessary improvements needed to maintain adequate level of service for the anticipated 20-year planning period. The evaluation and recommendations focused on improvements required to meet increasing system demands resulting from an increase in customer population and/or redevelopment projects, maintain compliance with federal, state and local regulatory requirements, and provide proper renewal and replacement of aging system components. The master plan also presented recommendations regarding certain wastewater system operations and on-going renewal and replacement programs.

West Palm Beach, FL

Lift Station 21 Assessment and Hydraulic Model


The City requested to hydraulically model the force main system near LS 21 to ensure that the force main system had adequate capacity and redundancy to meet future flows and unforeseeable emergencies. The hydraulic modeling effort included four different hydraulic modeling scenarios, each scenario with a different force main option, which were simulated using InfoWorks ICM modeling software. The results, conclusions and recommendations for potential upgrades to the City's directly connected force main system were then discussed.


Wilton Manors, FL

Integrated Water Wastewater, Stormwater Master Plan

Engineer responsible for the preparation of an Integrated Master Plan to inventory, assess, and prepare a Capital Improvement Plan (CIP) for the Water Distribution System and Wastewater Collection System. The goals and objectives of the Master Plan include: Provide and maintain potable water, wastewater, and stormwater services in an efficient and cost effective manner that will insure public health, safety and quality of life, while protecting the environment, maintain the minimum levels of service standards for Services within the City limits, continue to assess the service lines and correct deficiencies in a timely manner, coordinate with the City of Fort Lauderdale through the Bulk User Agreement (potable water), Large User Agreement (wastewater), and the Municipal Separate Storm Sewer System Permit (MS4), Continue to operate the Services as enterprise funds.

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 Ron DeSantis, Governor

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PROFESSIONAL ENGINEERS

STATE OF FLORIDA


BOARD OF PROFESSIONAL ENGINEERS

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PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

SCOTT, KYLE
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Sara Fox, EI
Project Engineer

Education

B.S., Environmental Engineering
University of Florida, 2016

Years of Experience: 3

Joined Firm in 2017

Registrations

Engineering Intern, Florida, 2017

Associations

APWA Scholarship Chair
2018-Present

ASCE Young Member Committee
Chair
2018-Present

Sara has three years of engineering design, permitting, and bidding services for water and wastewater improvement projects. Her experience also includes assisting senior engineering on roadway and infrastructure improvements, hydraulic modeling, and master planning.

Representative Projects

Lauderdale By The Sea, FL

Sidewalk ADA Compliance Inventory and Recommendations

Performed a Town-wide inventory and review of the sidewalk connections at street intersections, and determined whether the connections are ADA compliant. An inventory of all Town owned and maintained sidewalks at street intersections within the Town limits was conducted in the field, and used to prepare a technical memorandum including all required sidewalk upgrades and associated cost estimates.

Gulf Stream, FL

Wastewater Feasibility Study

Completed an evaluation of Town's service area and wastewater flows in order to prepare multiple options for preliminary sewer system layouts. Analysis included evaluation of gravity, low pressure, and vacuum sewer methods and included regulatory impacts and cost estimates. Coordinated with the City of Delray Beach and the City of Boynton Beach was completed in order to determine most feasible wastewater connection points and associated improvements required to convey the additional wastewater flows from the Town.

Tamarac, FL

Water Master Plan

Project Engineer for developing a new Water Master Plan for the City. Tasks included evaluation of historical water demand data; projection of future population and water demand; evaluation of extending water service area; performance of asset evaluation and condition assessment of existing water treatment plant, wells, and water distribution system; evaluation of fire flow requirements; development of hydraulic model and identification of improvements needed to meet future demands; provide cost estimate; and recommended schedule for improvements. A detailed water loss analysis was also completed, determining the best operating procedures for pinpointing water loss within the City's system. Coordinated with different internal departments to calculate their water use and evaluated the City's existing calculations to determine unaccounted for water within their transmission system.

Delray Beach, FL

Osceola Park Neighborhood Improvements

Project Engineer for the infrastructure improvements to the Osceola Neighborhood. Specific project components consisted of traffic calming study, full roadway reconstruction, alleyway design, upgrading pedestrian ramps, sidewalks, and driveways, drainage system improvements, potable water system improvements, and sanitary sewer system improvements.

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Delray Beach, FL
SW 4th Street, SW 6th Street, SW 7th Avenue, and SW 3rd Court Neighborhood Improvements

Project Engineer for the infrastructure improvements to the SW 4th Street Neighborhood. Specific project components consisted of full roadway reconstruction, alleyway design, drainage system improvements, potable water system improvements, sanitary sewer system improvements, and design of reclaimed water system.

Palm Beach County, FL
Lyons Road Forcemain Improvements (Phase II)

Project engineer for the hydraulic modeling, design, permitting, surveying, geotechnical investigations, and utility locates (e.g. soft digs) for the Lyons Road Forcemain Improvements (Phase II).

Boca Raton, FL
Wastewater Lift Station 179 Rehabilitation Design

Project Engineer for the capacity evaluation, hydraulic modeling, survey services, engineering design, permitting, and bidding services for the upgrades and improvements at Wastewater Lift Station No. 179.

Delray Beach, FL
Basin No. 86 Water and Wastewater Capacity Analysis

Project Engineer for this project to evaluate the capacities of the existing water and wastewater systems within the Basin No. 86 sub-service area, and to provide recommended upgrades, if required, to accommodate the proposed redevelopment. Included hydraulic modeling and a capacity analysis of the City's water and wastewater systems within the Basin No. 86 sub-service area.

Gulf Stream, FL
State Road A1A Water Main Improvements

Project Engineer to provide data collection, preliminary design, water meter study, detailed design, permitting, and bidding services in the execution of this project utilizing both open cut trench and horizontal directional drilling installation methods.

West Palm Beach, FL
Nottingham Boulevard and Miller Avenue Utility Improvements

Project Engineer for sanitary sewer improvements, including condition assessment of the existing stacked sanitary sewer system and upsizing the existing potable water mains within the Nottingham Boulevard Neighborhood.

Lauderdale-By-The-Sea, FL
Palm Club Sewer Gravity Sewer System

Designed a conventional gravity sewer system for a residential neighborhood of 100 units, including design of a new submersible lift station and force main piping which pumps the wastewater to an existing 18-inch force main located in S.R. A1A. Project components included data collection, engineering design, permitting, public participation and coordination, and bidding assistance.

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**Andrew E. Zaletel, GISP**

GIS Analyst

Education

M.S., Resource Analysis and GIS,
Saint Mary's University of
Minnesota, 2000

B.S., Biology (Ecology), Winona
State University, 1999

Joined Firm in 2005

Years of Experience: 21

Certifications

Geographic Information
Systems Professional (GISP),
GIS Certification Institute

Relevant Coursework

"GIS Theory and Application"
"GIS Analysis"
"Advanced GIS"
"Advanced Arcview"
"Visual Basic Programming"
"Avenue Programming"
"Satellite Imagery/Photo
Interpretation"
"Fundamentals of Resource
Analysis"
"Access and SQL"
"Statistical Analysis"
"Spatial Data Methodology"

Associations

Urban and Regional Information
Systems Association

Illinois Geographical
Information Systems
Association

Course**Instructor**

Introduction to GIS,
College of Lake County

GPS Technologies,
College of Lake County

Andy has served as Project Manager for numerous custom application development, utility mapping, data collection and basemap development projects. He has been instrumental in assisting communities with data analysis and conversion, custom application development, web-based GIS solutions, infrastructure system surveys and educational workshop presentations and trainings.

Currently Andy is the Business Development and Visionary for Baxter & Woodman's Spatial Technology Group. His focus has been on providing strategies and solutions to municipal clients focusing on the use of spatial technology to solve complex problems.

Representative Projects**Fox Valley Park District, IL****GIS Asset Management Software Implementation**

Project Manager for the District-wide Cartegraph Asset Management implementation. Our staff provided the vision, planning and implementation of the Asset Management Software solution. Baxter & Woodman's Spatial Technology staff provides ongoing support and management of the District's GIS datasets and associated asset management functions. Support and manage the Cartegraph implementation providing software updates, data input, template updates, and functionality improvements.

Crystal Lake, IL**GIS Consulting & Managed Services**

Coordinated and the implementation of a City-wide GIS transition from a proprietary system to an industry standardized Esri base system. Work included reconfiguring all City owned base data, developing new and improved applications for City employees, implementing maps and apps for improved GIS functionality City-wide.

South Elgin, IL**Asset Management Implementation**

Coordinate and oversee the planning and implementation of a Village-wide GIS-based asset management solution. Coordinated and directed the Cityworks Asset Management Solution for the Village. Provided guidance and direction for the configuration and workflow of service requests and work orders for the Village. Provide ongoing support, enhancements, and upgrades to the system for continued advancement of the Village's solution. Incorporate the Village's GIS datasets, ArcGIS Online maps & apps, and Cityworks for seamless integration of the applications utilized throughout the Village.

Kiswaukee Water Reclamation District, IL**Wastewater Treatment Facilities 3-D GIS Development**

Assisted with the multi-phased development and implementation of a District-wide GIS that will centralize, organize, and make the wide range of existing treatment plant information more accessible. As part of the wastewater treatment plant construction and upgrade we converted and developed the REVIT design and as-built into the District's GIS framework. Using ArcGIS Pro and

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Andrew E. Zaletel, GISP
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ArcGIS Online we built a 3D representation of the constructed facilities. The developed data includes linked operations and maintenance documents, maintenance management, and full operational attributes. Access to the 3D environment was developed in ArcGIS Online for functional access to the data.

Delray Beach, FL

Master Plan, Construction Services Mapping / Drone

Oversaw and coordinated the inventory of buried electrical apparatus with high accuracy GPS. Processed data and provided in CAD format for engineering purposes. Additionally, coordinated and piloted various drone missions documenting project progress at key locations throughout the project area. Upon completion of the drone work, prepared various visualization videos for public and client use.

Beloit, WI

GIS Asset Management

Project Manager assisting City with an audit, reorganization, upgrade, and functionality expansion of their GIS/Asset Management System.

Illinois Department of Transportation

PTB 170/03 Phase II Various Projects, Various Routes, Various Counties, Region One/District One

Baxter & Woodman is assisting IDOT under a Work Order contract with Phase II engineering services as required for plan preparation, plan review and route surveying on various projects in District 1.

Work Orders 4/7/9 Pedestrian Ramp ADA Assessment – Andy provided mobile application and data review for condition assessments of more than 2,250 pedestrian ramps along various routes and locations within Northern Illinois for compliance with ADA requirements. A GIS Collector application allowed 12 staff members to coordinate assessment and documentation activities with each other in real time. The data was collected in an exportable, IDOT-approved schema. Photos of each ramp were taken for inclusion with the condition records. The survey was completed in two weeks.

Wood Dale, IL

GIS Basemap Development

Project Manager for the development of a GIS basemap and GIS implementation plan. This GIS system was designed and created with an open architecture, which allows for easy, cost-effective expansion of the GIS when the City is ready. This project included interviews of city staff to gain understanding of the procedures of their daily job functions. Recommendations based on the interviews were made offering GIS solutions regarding project urgency, long-term planning and budgeting needed to achieve the City's goals.

Lombard, IL

Utility GIS Mapping & Implementation

Project Advisor for identification of attribute information for the following: water, wastewater, and stormwater pumping stations. Future efforts may include development of an asset management system integrated with the Village's GIS.

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Peter C. Ferretti, GISP
GIS Analyst /Drone Pilot

Education

B.S. Geography
University of Wisconsin-Whitewater, 2002

Joined Firm in 2012

Years of Experience: 18

Certifications

Federal Aviation Administration
Remote Pilot Certification
May, 2017, 2019

Diploma in Web Design
The Art Institute of Pittsburgh,
2009

GISP Certification
Geographic Information
Systems Certification Institute,
2006

Geographic Information
Systems World Campus
Certificate Program,
Pennsylvania State University,
2004

Associations

GISCorps

Illinois GIS Association

Geospatial Information &
Technology Association

Peter is a certified Geographic Information System Professional (GISP), with more than 18 years of experience in spatial technologies. His areas of expertise includes innovation, Cloud-based mapping, GPS, data analysis and visualization, and 3D modeling.

Peter is skilled in the planning, design, and implementation of Spatial Technology and GPS-based services.

Prior to his joining Baxter & Woodman, Peter held a senior management position with a leading national consulting firm.

Representative GIS Projects

West Palm Beach – FOG Interceptor Inspections

Developed Esri based field based applications for inspectors to find, inspect, document and photograph interceptors throughout the project area. Managed project data and developed reports and summary maps / documentation for client use.

Delray Beach Master Plan Construction Services Mapping / Drone

Managed the inventory of buried electrical apparatus with high accuracy GPS. Processed data and provided in CAD format for engineering purposes. Additionally, coordinated and piloted various drone missions documenting project progress at key locations throughout the project area. Upon completion of the drone work, prepared various visualization videos for public and client use.

Florida Keys Aqueduct Authority Drone Based Bridge Inspections

Utilized advanced drone technology to inspect otherwise unreachable areas of a newly installed force main piping along a bridge span. This project included planning, onsite piloting, media management and post-processing, client meetings and delivery of all project collected data.

Crystal Lake GIS Consulting and Managed GIS Services

Managed and oversaw the implementation of a City-wide GIS transition from a proprietary system to an industry standardized Esri base system. Work included reconfiguring all City owned base data, developing new and improved applications for City employees, implementing maps and apps for improved GIS functionality City-wide.

South Elgin Web Application Development

Developed and implemented a Village-wide mapping application to make all Village owned geodata accessible to stakeholders. Application included address mailing list generation tools, Google Streetview Integration, Layer Grouping and Print functionality. This solution utilized the latest in Esri ArcGIS Online technologies.

Crystal Lake ETSB Emergency Management Mapping Application

Developed a real-time Emergency Operations Center mapping application for Police, Fire and Public works where all active and historical calls are mapped and visualized. This application was built with Esri Operations Dashboard, ArcGIS Online and custom Python programming to create a one-of-a-kind direct connection from the 911 call center to the application.

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Peter C. Ferretti, GISP
Page 2 of 2

Illinois Department of Transportation

PTB 170/03 Phase II Various Projects, Various Routes, Various Counties, Region One/District One

Assisting IDOT under a Work Order contract with Phase II engineering services as required for plan preparation, plan review, and route surveying on various projects in District 1.

Kishwaukee Water Reclamation District ArcGIS Online Implementation

Implemented an ArcGIS Online Organizational account for district staff to host, maintain and manage their own GIS datasets. This project included the migration of existing geodata to the cloud, development of maps and apps for office and field use. Security, users and roles setup and training for the Districts GIS Staff.

Work Orders 4/7/9 Pedestrian Ramp ADA Assessment

Peter oversaw GIS data management services for condition assessments of more than 2,250 pedestrian ramps along various routes and locations within Northern Illinois for compliance with ADA requirements. A GIS Collector application allowed 12 staff members to coordinate assessment and documentation activities with each other in real time. The data was collected in an exportable, IDOT-approved schema. Photos of each ramp were taken for inclusion with the condition records. The survey was completed in two weeks.

Woodstock, IL

Public GIS Web Portal

Project Manager for development of a public-facing GIS Web Portal using Esri ArcGIS Online to promote citizen engagement while providing useful and easy to use information. The new GIS Web Portal allows the City's citizens, businesses, and visitors alike to discover the unique attributes of the City. Portal users are able to find Zoning and Land Use information, explore a map of the area's historic buildings, or learn more about other points of interest. The portal was designed so that future content can be managed by City staff.

Crystal Lake, IL

Master Address Repository

GIS Coordinator assisting the City with the development of a Master Address Repository to provide an accurate and uniform inventory of addresses for the City, enhancing data standardization for emergency response and municipal mailings resulting in a safer life for Crystal Lake residents, and a more efficient workflow for City staff. Baxter & Woodman's staff members are utilizing a variety of resources to compile addressing information as well as conducting field work to supplement the workflow. At the end of the project, the City will be provided with an accurate GIS based dataset of all known address points (at rooftop location) for each dwelling within the City's jurisdiction.

Crystal Lake, IL

Area Specific Sanitary Sewer Evaluation Study

Developed ArcGIS Mobile field data collection application for use in field observations, analysis, and reporting. Coordinated GIS activities for project, and assisted data processing and mapping of project assets.

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Kenneth Smith
Construction Inspector

Joined Firm in 2020

Years of Experience: 30

Registrations

Water Distribution System
Operator Level III

APWA Construction Inspection
Workshop

FDOT Temporary Traffic Control
(TTC) Intermediate Course
Certificate #198

Kenny brings over 28 years of experience with the City of Fort Lauderdale where he was responsible for managing 12-person crews and overseeing water and sewer improvement projects. His experience encompasses all aspects of underground pipework, and the ability to read and mark-up blueprints. Kenny is also skilled in providing construction inspection for projects consisting of storm drains, gravity sewers, sewer laterals, water mains, road reconstruction, and swale reconstruction.

Representative Projects

While working for others:

**Lauderdale-by-the-Sea, FL
Engineering Inspector**

Kenny's responsibilities included removing and replacing 18-inch drainpipe in Terra Mar, managing Storm Drain Project and sewer gravity line assistance on Basin Drive. Also, working closely with utility companies for utility relocations including Florida Power & Light (FPL), AT&T, and Comcast, and assisting with the installation of beachfront washrooms.

**Fort Lauderdale, FL
Engineering Inspector**

Lead Inspector for various infrastructure improvements in the City, including the 2011 Waterworks Capital Improvement Program. Kenny was responsible for performing walk-through final inspections for water and sewer projects. He worked in various aspects of underground pipework, including reading blueprints and making changes in the field.

Service Worker 4½

As a Service Worker 4½, Kenny oversaw various projects, including installation of ductile iron pipe and C900 water mains. His responsibilities included ordering materials, meeting with County and City Engineers, and informing property and business owners of the project's progress. Instrumental in establishing new pay scale for Pipe Crews because of installation cost reductions.

Service Worker 4

Kenny was responsible for the installation of water service lines to residents and businesses.

www.baxterwoodman.com

Compass Point surveyors



BENJAMIN R. WISER
Vice President, Project Manager

SUMMARY OF EXPERIENCE

Mr. Wiser's survey experience spans more than nineteen (19) years in the State of Florida including all levels of involvement in field activities as well as office and management responsibilities. He has provided surveying and mapping services on many high profile state, county, municipal and private projects such as US Air Force Bases, international airports, sports stadiums, power, water and reclaimed water plants, interstate heavy highways, transmission mains, high-rise/commercial buildings and subdivisions performing construction layout and as-built surveys along with boundary, topographic and hydrographic surveys for design. He has extensive experience in the use of Global Positioning Systems (GPS) and utilizes this experience in all aspects of surveying including 3D machine control, construction lay-out/as-builts and topographic surveys for design. As Vice President of Compass Point Surveyors, PL, Mr. Wiser is responsible for contract administration, quality control and technical procedures in the production of survey projects which include client relations, estimating, project tracking and crew efficiency. Mr. Wiser is committed to providing the highest quality of professional service in order to meet our client's needs.

EDUCATION

Lecanto High School, Lecanto, FL
Graduated (1993)

University of Florida,
Florida - Continuing Education
Courses Leading to a Degree in
Geomatics (2009 – 2015)
And Florida Registration as a
Professional Surveyor and Mapper.



2101 N.W. 33rd Street
Suite 100
Pompano Beach, FL 33069
Office 954.332.8181
www.cp-surveyors.com

Compass Point surveyors

SCOTT A. REID, P.S.M.
Project Manager

SUMMARY OF EXPERIENCE

Mr. Reid has been active in Surveying for over 22 years and has been involved with all levels of surveying from an instrument man on a field crew to the director of Surveying for a prominent Engineering and Land Surveying Company. His background includes training in everything from Global Positioning Systems (GPS), Geographic Information Systems (GIS), Remote Sensing, Photogrammetry, Business and Surveying Law, courses in Platting and Sectional land history and retracement to Coastal and Freshwater Mean High Water studies. In the course of his professional experience, Mr. Reid has worked on a variety of different aspects of Surveying to include GPS and GIS projects, Florida Department of Transportation projects, Commercial, Residential and Government Subdivisions, Federal Emergency Management Agency Elevation Certificates and Letters of Map Amendments, Boundary and Title Surveys (to include ALTA Surveys), Subsurface Utility Locations, Condominium Documents and other types of Surveys for the Coast Guard, Veterans Administration, Lake Worth Water Drainage District, South Florida Water Management District, Florida Department of Environmental Protection, Attorneys or just the general public. Mr. Reid has even been involved with recording and reporting field measurements to the Guinness Book of World Records. His leadership roles include being an Officer in the United States Army, President of the Broward Florida Survey and Mapping Society Chapter, his participation in the Florida Atlantic University Surveying Curriculum Committee and various other positions within Surveying firms. This extensive experience within the Survey Profession combining a diversity of practical experience with a great deal of theoretical academic training is what separates Mr. Reid from many other professionals in his field. In all his years of service, his highest goals have always remained quality of work and client satisfaction.



PROFESSIONAL REGISTRATION

Professional Surveyor and Mapper, Florida
License No. 6258 (2001)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Florida Surveying and Mapping Society
- Broward County Chapter of the FSMS (Past President)

EDUCATION

Fayetteville High School, Fayetteville, WV.
College Preparatory Classes, graduated
1988.

University of Florida, Gainesville, Fl.
Materials Engineering/Surveying courses.
Graduated with a BS degree from the
Departments of Geomatics (Surveying),
College of Civil Engineering in 1996.

Land Surveyors Continuing Education

24 hours of CEU with 2 year renewal
period pertaining to Florida Minimum
Technical Standards, State Statutes, Ethics,
Laws and Principles.



3195 N. Powerline Road
Suite 112
Pompano Beach, FL 33069
Office 954.332.8181
www.cp-surveyors.com



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

February 21, 2019

SCOTT A REID
 3195 N POWERLINE RD STE 112
 POMPANO BEACH, FL 33069-1052

Detach Here

SUBJECT: Professional Surveyor and Mapper License # LS6258

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

The license appears below and is valid through February 28, 2021.

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

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



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

LS6258

Professional Surveyor and Mapper
 SCOTT A REID

IS LICENSED under the provisions of Ch. 472 FS
 Expiration date: February 28, 2021

Detach Here



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.: **LS6258**
 Expiration Date February 28, 2021

Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

SCOTT A REID
 3195 N POWERLINE RD STE 112
 POMPANO BEACH, FL 33069-1052

NICOLE "NIKKI" FRIED
 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.



ENGINEERING & TESTING, INC.

Phone: (866) 781-6889 • Fax: (866) 784-8550
 www.floridaengineeringandtesting.com
 250 S.W. 13th Avenue
 Pompano Beach, FL 33069



Mark A. Mesiano, P.E.
Principal Engineer

Mr. Mark A. Mesiano, PE. has over 25 years of experience in the construction industry. He has extensive experience in project management for all phases of construction. His expertise includes geotechnical engineering, environmental engineering, construction materials testing, building inspections, and roof testing/inspections. Under geotechnical engineer, he has extensive experience in soil exploration and design of deep and shallow foundation systems in all types of soils for projects ranging from swimming pools, multi-story buildings, roadway, ports, and airport projects. He also has experience in ground modifications including but not limited to vibro-flotation, vibro-replacement (stone columns), deep dynamic compaction, and pressure grouting. His deep foundation experience includes monitoring/inspection of auger cast piles, helical piles, pin piles, drilled shafts/caissons, and pile load testing. The following are just a few representative projects with a focus on geotechnical engineering:

Education:

B.S. Civil Engineering,
 University of South Florida,
 1990

Professional Registration:

Professional Engineer, Florida
 Registration No. 48202

Professional Engineer,
 Colorado, Registration No.
 31593 (inactive)

Technical Certifications:

- Florida DOT Pre-stressed Concrete Inspector
- Radiation Safety Officer and Instructor, PSI, Inc.
- Structural Masonry Inspector, FL Concrete & Products Association (expired)

Select Projects:

- Tampa International Airport (1987) – Resident Inspector responsible for inspections and testing of Airside “F” Terminal Building, Airside “F” ATS, and Airside “F” Loading Bridge Caissons (drilled shaft foundations)
- Representative Mass Earthwork Projects
 - E470 Highway Project; Colorado (1995-1997) - Resident Project Manager\PE for all QC testing of Soils, Concrete & Asphalt for Segments I, II, and III (29 miles of 4 lane toll highway, with 30 bridge structures)
 - TECO Polk Power Plant; Tampa (1988) - Project manager for soils and earthwork testing for the rock quarries conversion into power plant site
 - Florida Power Hines Energy Complex Power Plant; Bartow (1989) - Project manager for soils and earthwork testing for the rock quarries conversion into power plant site
- Plantation Oaks Elementary (School "Z"); Orange Park (2006) - Geotechnical exploration (SPT borings and foundation recommendations) for a new elementary school site
- Hotel Indigo; Jacksonville (2007) – Project manager of construction for new hotel including monitoring of ground modifications (vibro-replacement/ stone columns) foundations
- Crosstown Parkway Extension; Port Saint Lucie (2008) – Project manager for construction materials testing including of onsite monitoring of pile driving at I-95 overpass
- Becker Road Extension; Port Saint Lucie (2008) – Project manager for construction materials testing including of onsite monitoring of pile driving at I-95 interchange



Ron DeSantis, Governor

Halsey Beshears, Secretary



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

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

MESIANO, MARK ALAN
755 DOTTEREL ROAD
#1302
DELRAY BEACH FL 33444

LICENSE NUMBER: PE48202
EXPIRATION DATE: FEBRUARY 28, 2021
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Naresh Persaud, E.I.**ENGINEERING & TESTING, INC.****Experience:****Feb 2017 – Present**

**Florida Engineering & Testing, Inc.
Pompano Beach, Florida
Civil Engineer (EI)**

Representative Projects:

Project: New Construction Buildings and Additions
Contractor: Treo Development, Holly Hill Homes, JCI Development, Danto Builders, etc.
Description: Inspections - Reinforced Masonry, Reinforced Concrete, and Connections

Project: Various Projects in Broward, Dade, & Palm Beach Counties
Contractor: Bodax Foundations
Description: Monitoring Installation of Helical Piles and Auger Cast Piles

Project: Various Projects in Broward, Dade, & Palm Beach Counties
Contractor: Florida Foundation Systems, Inc.
Description: Monitoring Installation of Helical Piles and Auger Cast Piles

Project: Roofing – Various Projects
Contractor(s): Aastro Roofing, Olen Waldrep & Sons Roofing, All American Roofing, etc.
Description: In-Progress and After the Fact inspections for compliance

April 2011 – April 2016 **Alcar Construction & Haulage
Bull Bay, Jamaica (W.I.)
Project Engineer**

Involved in the construction of two (2) high schools, a housing development consisting of fifty units, an apartment complex, assisted with road overlays and the construction of reinforced box culverts

Conducted and performed site inspections during various stages of the projects

Evaluated the design and planning to ensure that design standards are met and maintained

Reviewed construction drawings and technical documentation for accuracy, and conformance to specification guidelines

Ensured all the proper construction processes, safety and quality guidelines are followed

Resume



ENGINEERING & TESTING, INC.

Name: Preston R. Nevins
Title: Field Technician

Experience:
3/2006 – Present Florida Engineering & Testing, Inc.
Pompano Beach, Florida
Field Technician

Representative Projects:

Project: Central Broward Regional Park, Lauderhill, Florida
Contractor: Seawood Builders
Description: Density, Soil Sampling and Concrete Testing

Project: Broward County North Regional Wastewater Facility, Pompano Beach, FL
Contractor: Hazen & Sawyer
Description: Density, Soil Sampling and Concrete Testing

Project: Lakeside Village, Davie, Florida
Contractor: Klemow, Inc.
Description: Density, Soil Sampling and Concrete Testing

Project: Various Projects in Broward, Dade, & Palm Beach Counties
Contractor: Bodax Foundations
Description: Monitoring Installation of Helical Piles and Auger Cast Piles

Project: Various Projects in Broward, Dade, & Palm Beach Counties
Contractor: Florida Foundation Systems, Inc.
Description: Monitoring Installation of Pin Piles, Auger Cast Piles and Helical Piles

Education:

2002-2006 Pembroke Pines Charter High School, Pembroke Pines, Florida
General Diploma

2007 ITT Technical Institute, Davie, Florida
Computer Aided Drafting

Certifications:

- Nuclear Gauge Training
- Radiation Safety
 - Nuclear Gauge Operation
 - Nuclear Gauge Transportation
 - ACI Concrete Field Level 1
 - ACI Concrete Strength Testing
 - CTQP Concrete Field
 - CTQP Asphalt Paving Level 1 & 2



CESAR GRANADOS, PE
STRUCTURAL ENGINEER

Summary Biography

Cesar Granados has been a Structural Engineer with Hardesty & Hanover since August 1998. His project engineering responsibilities include the planning, design, inspection, preparation of design details, structural designs, technical specifications, and estimates for fixed and movable bridges. Cesar specializes in preparing structural designs for piers, substructures, fender systems as well as control and access houses.

Project Experience

SR-A1A / HILLSBORO INLET BRIDGE OVER ICWW | POMPANO BEACH, FL FLORIDA DOT DISTRICT 4

Lead Project Engineer for the rehabilitation of a single-leaf bascule bridge. The project scope included mechanical/electrical rehabilitation, deck replacement, and minor structural repairs. The span locks were replaced and relocated to the rest pier. The need for an additional submarine cable originally included in the scope was eliminated. Instead, designers utilized a multiplexor on a Florida movable bridge for the first time. The project included a \$1 million JPA with the City of Pompano Beach as well as sidewalk improvements and control house renovation.

ANDREWS AVENUE BASCULE BRIDGE OVER THE NEW RIVER | FORT LAUDERDALE, FL BROWARD COUNTY

Structural Engineer responsible for plan preparation design and detailing for the leaf design and control house during the machinery rehabilitation of a single-leaf bascule span. Machinery rehabilitation included a new span drive hydraulic cylinders and HPUs. Additional electrical work included complete replacement of the electrical system including new span HPU pump motors, controls, new relays, amplifier cards.

COCONUT ISLE BRIDGE | FORT LAUDERDALE, FL CITY OF FORT LAUDERDALE

Structural Engineer providing quality assurance design review services for the replacement of a single-span fixed concrete replacement bridge for an Isles of Las Olas residential community. Work includes permitting, geotechnical investigation, load rating, drainage, utility coordination, bridge bulkhead wall design, temporary bridge, maintenance of traffic, public involvement, as well as bid-phase and post-design services.

SR-814 / ATLANTIC BOULEVARD BRIDGE | POMPANO BEACH, FL FLORIDA DOT DISTRICT 4

Structural Engineer responsible for control house structural design, plan development, and technical specifications. The overall project scope included pavement marking plans, bascule pier modification plans, bascule leaves modification, and detailing plans. This \$5 million construction management at risk project rehabilitated a Hopkins trunnion double-leaf bascule span bridge. The scope also involved hydraulic machinery retrofit, electrical system improvements, bascule span structural steel rehabilitation, and bridge railing replacement.



OFFICE LOCATION

Sunrise, FL

REGISTRATION

Professional Engineer

▪ FL (1996) #64221

EDUCATION

B.S., Civil Engineering, 1994, San Francisco State University

B.S., Metallurgic Engineering, 1986, Universidad Libre de Colombia

YEARS OF EXPERIENCE

Years with H&H 21
Total Years 25

CESAR GRANADOS, PE
STRUCTURAL ENGINEER

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14TH STREET BRIDGE OVER THE ICWW | POMPANO BEACH, FL
FLORIDA DOT DISTRICT 4

Structural Engineer responsible for inspection, design of repairs, maintenance of traffic, control house upgrades, roadway plans, and shop drawing review. The project involved a \$5 million design-build rehabilitation of Hopkins Trunnion double-leaf bascule span bridge that included hydraulic machinery retrofit, electrical system improvements, control house modifications, and bascule span floor system replacement.

DISTRICTWIDE MISCELLANEOUS STRUCTURAL PROJECTS & MINOR DESIGN CONTRACT | MIAMI & MONROE COUNTIES, FL
FLORIDA DOT DISTRICT 6

Structural Engineer contributing to structural inspection, design of structural repairs, maintenance of traffic, general upgrades, roadway plans, and shop drawing review for the following:

- *63rd Street over the Indian Creek Canal Bridge*: Restored spalled areas to deteriorated precast concrete, intermediate bents, and prestressed piles. Pile jackets with impressed current cathodic protection were installed on every concrete pile. Repairs also included the installation of galvanic cathodic protection pile jackets on the prestressed piles and reference electrodes connected to a DSL internet connection for remote system monitoring.
- For *US 1 Bridge over Channel 2*: Restored spalled areas to deteriorated prestressed AASHTO beams (including strand splicing), bridge deck, bent caps, and diaphragms. Impressed current cathodic protection was also installed on the six-foot diameter drilled shaft and cathodic protection (zinc spray) to the bent caps and prestressed beams.
- *NE 79th Street Bridges*: Restored spalled/crack concrete deck, repair to deteriorated fracture critical steel girders, bearing replacement, expansion joint repair, and drainage system rehabilitation.
- *I-95 Bridge over the Miami River*: Restored spalled/crack concrete deck, repair to deteriorated fracture critical steel girders, bearing replacement, expansion joint repair, and drainage system rehabilitation.

DISTRICTWIDE MISCELLANEOUS STRUCTURAL PROJECTS & MINOR DESIGN CONTRACT | MIAMI-DADE COUNTY, FL
FLORIDA DOT DISTRICT 6

Project Engineer contributing to the development of post design repair plans and specifications for several task work orders completed under this general maintenance contract.

- *SR 907/Alton Road at Dade Boulevard over Collins Canal Bridge*: Restore the deteriorated concrete arch bridge underdeck and seal bridge deck cracks
- *SR 890/Miami Gardens Drive over Snake Creek Canal Bridge*: Repaired deteriorated steel beams, bearing repairs and painted the existing structural steel.
- *SR5/US-1 over Coral Gables Canal Bridge*: Painted the existing structural steel.

CAMINO REAL BRIDGE OVER ICWW | BOCA RATON, FL
PALM BEACH COUNTY

Structural Engineer responsible for providing control house architectural review and performing load rating calculations for the structural rehabilitation of a historic double-leaf rolling lift span constructed in 1939, which involved new roadway grating, floor beam brackets for wider sidewalks, stringers and bridge railing.

BROWARD COUNTY BRIDGES OVER NEW RIVER | FORT LAUDERDALE, FL
BROWARD COUNTY

Structural Engineer responsible for maintenance of traffic, structural design, detail of repairs, and preparation of cost estimates. Inspection and rehabilitation project including minor structural repairs and painting of three movable bridges (3rd Avenue, 7th Avenue, and Andrews Avenue) and mechanical rehabilitation of drive machinery in twin double-leaf rolling-lift-span bridges. Strain gauge testing and balance calculations were provided on 3rd Avenue Bridge.

Hardesty & Hanover



STEVE HEDGE, PE
STRUCTURAL ENGINEER

Summary Biography

Steve Hedge, a H&H Structural Engineer and Project Manager, has spent 22 years engineering, managing, and overseeing many major FDOT bridge replacement, roadway reconstruction, and districtwide on-call projects. His experience entails bridge design, project organization, bridge inspection, and detailing of multi-span highway bridges, in accordance with FDOT standard design guidelines, New York State specifications, NYS Steel Construction Manual, AASHTO, and USACE design manual.

Project Experience

WAVE STREETCAR/SE 3RD AVE BRIDGE OVER THE NEW RIVER | FORT LAUDERDALE, FL FLORIDA DOT DISTRICT 4

Structural Engineer responsible for the preliminary design and load rating analysis of the bascule span main girders for the engineering design (90% drawings) services for the SE 3rd Avenue Bridge improvements. Scope included necessary design modifications to the rolling-lift-span, pier, and associated mechanical/electrical systems and load rating to accommodate the new embedded rail for the proposed WAVE Streetcar while providing sufficient strength, stiffness, and ride-ability for the new mode of transportation. The goal was to replace the leaf with a new bascule span which is 61-feet-long between centers of roll and features tracks and treads on a 6-foot, 2-inch roll radius, mechanical drive train with enclosed gearing driving the rack pinion, and tail lock mechanism.

DISTRICTWIDE MISCELLANEOUS STRUCTURAL PROJECTS & MINOR DESIGN | MIAMI, FL FLORIDA DOT DISTRICT 6

Bridge Inspector / Structural Engineer responsible for performing inspections and the development of design repair plans, specifications, and estimates and for several projects completed under this general maintenance contract.

- 63rd Street over the Indian Creek Canal Bridge: Restored spalled areas to deteriorated precast concrete, intermediate bents, and prestressed piles. Pile jackets with impressed current cathodic protection were installed on every concrete pile. Repairs also included the installation of galvanic cathodic protection pile jackets on the prestressed piles and reference electrodes connected to a DSL internet connection for remote system monitoring.
- NE 79th Street Bridges: Restored spalled/crack areas to deteriorated prestressed concrete sonovoid slab beams and installation of carbon fiber reinforcement. The project involved the repair of four bridges, each with 17 30-inch spans.
- I-95 Bridge over the Miami River: Restored spalled/crack concrete deck, repair to deteriorated fracture critical steel girders, bearing replacement, expansion joint repair, and drainage system rehabilitation.
- Boot Key Bridge: Prepared LRFR load rating analysis; evaluated structural, mechanical, and electrical components; and determined feasibility rehabilitation report alternatives. Once the client opted for demolition, plans for the removal and disposal of the movable span were developed.



OFFICE LOCATION

Sunrise, FL

REGISTRATION

Professional Engineer

- FL (2018) #84932
- NY (2018) #99088

EDUCATION

B.E., Structural Engineering, 2004,
City College of New York

YEARS OF EXPERIENCE

Years with H&H 22
Total Years 22

STEVE HEDGE, PE
STRUCTURAL ENGINEER

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DISTRICTWIDE MISCELLANEOUS STRUCTURAL PROJECTS AND MINOR DESIGN | MIAMI, FL
FLORIDA DOT DISTRICT 6

Project Manager responsible for performing inspections and the development of design repair plans, specifications, and estimates for several projects completed under this general maintenance contract

- SR 5/Overseas Highway over Channel 2 Bridge: Restored spalled areas to deteriorated prestressed AASHTO beams (including strand splicing), reinforced concrete bridge deck, bent caps, and diaphragms. Impressed current cathodic protection was installed on the six-foot diameter drilled shaft and cathodic protection (zinc spray) to the bent caps and prestressed beams.
- SR 5/Overseas Highway over Tea Table Channel Bridge: Restored spalled areas to deteriorated prestressed bridge deck, bent caps, and 24-inch prestressed piles. Repairs also included the installation of galvanic cathodic protection pile jackets on the prestressed piles and sealing the bridge deck surfaces with methacrylates.
- SR 907/Alton Road at Dade Boulevard over Collins Canal Bridge: Restored the deteriorated concrete arch bridge underdeck and seal bridge deck cracks.
- US-1 over Snake Creek Canal Bridge: Developed mechanical and electrical rehabilitative designs for Bridge No. 900077 which included the replacement of the existing traffic gate, span drive motors, new span drives (including ancillary control system modifications), live load shoe, and coating of the structural steel.
- NW 12th Avenue Bridge: Installed a relay-based control system to operate the bridge when the existing PLC system is not operational. The design included a control desk, cabinets, logic design, integration into the existing conduit, and mechanical analysis of the hydraulic system.
- Atlantic Isles Lagoon Bridge: Developed bridge rehabilitation alternatives report for the Atlantic Isle Bridge to better serve community needs and extend the service life of this historic structure.
- SR 890/Miami Gardens Drive over Snake Creek Canal Bridge: Repaired deteriorated steel beams and bearings, painted the existing structural steel.
- SR5/US-1 over Coral Gables Canal Bridge: Painted the existing structural steel.

SR-814 / ATLANTIC BOULEVARD BRIDGE | POMPANO BEACH, FL
FLORIDA DOT DISTRICT 4

Project Engineer / Structural Engineer responsible for performing structural load ratings of the existing structure and creating structural detail for rehab plans. Details included a new lock bar housing system. This was a \$5 million construction management at risk project to rehabilitate a Hopkins Trunnion double-leaf bascule span bridge. The project included hydraulic machinery retrofit; electrical system improvements, control house modifications, and bascule span structural steel rehabilitation, and bridge railing replacement.

CAMINO REAL BRIDGE OVER THE ICWW | BOCA RATON, FL
PALM BEACH COUNTY

Project Manager for the rehabilitation of a historic double-leaf rolling lift span constructed in 1939, which included designs for rehabilitated machinery, new tender house HVAC units, new plumbing systems, new span locks, and the development of technical special provisions. Structural rehabilitation designs involved new roadway grating, floor beam brackets for wider sidewalks, stringers, and bridge railing. Aluminum structural components were utilized to minimize weight to counter balance. The existing electrical system was replaced in its entirety and span locks were installed. A new control house was also included in the scope.

BAY HARBOR CAUSEWAY | BAY HARBOR, FL
TOWN OF BAY HARBOR ISLANDS

Project Manager for the Bay Harbor Bridge rehabilitation which included structural steel superstructure painting, concrete spall, and crack repairs to the substructure including cathodic protection, bridge railing repair, structural steel repair, as well as machinery and electrical repairs to the bascule span operating systems.

Hardesty&Hanover



HENRI SINSON, PE
STRUCTURAL ENGINEER

Summary Biography

Henri Sinson is a Structural Engineer with over 22 years of experience conceptualizing and delivering complex bridge projects. He has been responsible for the design and management of many major steel and concrete bridge structures, including movable spans such as vertical lift, swing, and bascule spans. Bridge projects include major river crossings and interstate bridge interchange facilities.

Project Experience

SR-814 / ATLANTIC BOULEVARD BRIDGE | POMPANO BEACH, FL FLORIDA DOT DISTRICT 4

Structural Engineer responsible for the load rating of the twin double-leaf bascule bridge under this \$5 million Construction Management Risk contract that rehabilitated the Hopkins Trunnion double-leaf bascule span bridge. The project included hydraulic machinery retrofit; electrical system improvements, control house modifications, and bascule span structural steel rehabilitation and bridge railing replacement.

SW 11TH AVENUE BRIDGE OVER NORTH FORK OF NEW RIVER | FORT LAUDERDALE, FL CITY OF FORT LAUDERDALE

Structural Engineer responsible for the rehabilitation and emergency repair planning and reconstruction design for the historic 100-foot Pony Truss swing which was constructed in 1928. Services included in-depth inspection, bridge rehabilitation study, and rehabilitation design for structural, mechanical, and electrical systems; reconstruction of bulkhead and fender system; and roadway improvements.

WELCH/TOM STUART CAUSEWAY BRIDGE OVER ICWW | PINELLAS COUNTY, FL FLORIDA DOT DISTRICT 7

Project Manager responsible for the rehabilitation design services for this double-leaf bascule bridge. The project was part of the Districtwide On-Call Structures contract and included preparation of structural, architectural, mechanical, and electrical plans to repair/rehabilitate this Hopkins Trunnion twin double-leaf bascule span bridge. The rehabilitation included hydraulic machinery retrofit, electrical system improvement, structural steel repairs, and control house modifications.

TOM ADAMS BRIDGE OVER ICWW | ENGLEWOOD, FL CHARLOTTE COUNTY

Project Manager responsible for the rehabilitation design services for this double-leaf bascule bridge. The project included the preparation of architectural, structural, mechanical, and electrical plans to repair/rehabilitate this Hopkins Trunnion twin double-leaf bascule span bridge. The rehabilitation included hydraulic machinery repairs, electrical system upgrades, and complete relocation and replacement of the control house

SIESTA KEY BRIDGE OVER ICWW | SARASOTA COUNTY, FL FLORIDA DOT DISTRICT 1

Project Manager responsible for the rehabilitation design services for this double-leaf bascule bridge. The project was part of the Districtwide On-Call contract and included preparation of structural, architectural, mechanical, and electrical plans to repair and



PRIMARY OFFICE

Sunrise, FL

PROFESSIONAL LICENSES

Professional Engineer

- FL (2004) # 62197
- VA (2002) # 0402037684

EDUCATION

M.E. Civil Engineering, 2003,
Old Dominion University

B.E. Civil Engineering, 1997,
University of Tennessee at
Chattanooga

YEARS OF EXPERIENCE

Years with H&H 22
Total Years 22

HENRI SINSON, PE
STRUCTURAL ENGINEER

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rehabilitate this Hopkins Trunnion twin double-leaf bascule span bridge. The rehabilitation included hydraulic machinery retrofit, electrical system improvements, control house modifications, and deck replacement.

SR 15 BRIDGE OVER TAYLOR CREEK | OKEECHOBEE COUNTY, FL
FLORIDA DOT DISTRICT 1

Project Manager responsible for the rehabilitation design services for this single-leaf bascule bridge. The project was part of the Districtwide On-Call contract and included engineering analysis and design for machinery retrofit, electrical system improvements, and control house modifications to this Hopkins trunnion single-leaf bascule span bridge.

SR-5 / US-1 PARKER BRIDGE OVER ICWW | PALM BEACH, FL
FLORIDA DOT DISTRICT 4

Project Engineer responsible for the plan development and load rating of the twin double-leaf bascule bridge for this construction management at risk project. Scope included in-depth inspection, condition report with load ratings, rehabilitation recommendations, as well as the preparation of structural, architectural, mechanical, and electrical plans to rehabilitate this Hopkins Trunnion bascule bridge. The \$8 million rehabilitation included hydraulic machinery retrofit, electrical system improvements, control house 2nd story addition, bridge widening, as well as roadway and embankment improvements.

SFRTA BRIDGE OVER MIAMI RIVER (MR-MICCI) | MIAMI, FL
FLORIDA DOT DISTRICT 4

Lead Structural Engineer for the design of twin steel through-girder bridges replacing the historic bascule bridge across the Miami River. The twin bridges will provide a vital link of double-tracking to the Miami Intermodal Center. The design includes a staggered pier span arrangement to maximize hydraulic conveyance while minimizing construction-related vibrations and the resulting risk to the existing bridge.

FLAGLER MEMORIAL BRIDGE OVER ICWW | PALM BEACH, FL
FLORIDA DOT DISTRICT 4

Lead Structural Engineer for the design of the 1480-foot approach structures flanking the new rolling-lift bascule for the \$95 million design-build contract to replace the twin double-leaf bascule bridge over the Atlantic ICWW. The approach spans are nominally 150-foot utilizing custom continuously arched prestressed beams. Interior beams are bulb-T type while the fascia beams have rectangular beams providing a smooth bridge facade. The beam geometry was developed to meet the aesthetic and structural requirements as well as the fabricator and constructor transportation and erection weight limits. The custom arched shape is 10-foot deep at the ends and 6-foot deep at midspan. These were the first beams of their type used in the state.

SFRTA RAILROAD BRIDGE OVER NEW RIVER | FORT LAUDERDALE, FL
FLORIDA DOT DISTRICT 4

Structural Engineer of Record responsible for the final design of the approach structures on either side of the new rolling lift. The nominally 44-foot approach spans consisted of tightly spaced FIB-45 supporting a ballasted concrete deck, custom-designed elastomeric bearings, drainage details, and joints. The design satisfied FDOT design requirements, the AREMA code, and project-specific CSX requirements for the replacement of an existing bascule bridge over the New River which is a navigable waterway.

I-75 EXPRESS LANES SEGMENT C, PEMBROKE ROAD AND MIRAMAR PARKWAY BRIDGES | PEMBROKE PINES / MIRAMAR, FL
FLORIDA DOT DISTRICT 4

Structural Engineer responsible for quality control for the design-build of Segment D, a 3.7-mile-long portion of the I-75 Express Lanes Project. The design/build delivery project included constructing express lanes in the existing median; constructing entrance and exit ramps for the express lanes at various locations; constructing Sheridan Street Interchange improvements; installing sound barrier walls; drainage, signage, lighting and landscaping; upgrading traffic monitoring cameras, dynamic message signs and installing toll gantries. Segment D is located south of Sheridan Street to the north of Griffin Road in Broward County.

Hardesty&Hanover



JORGE SOTO, PE
STRUCTURAL ENGINEER

Summary Biography

Jorge Soto has 21 years of experience in the design of the various bridge and miscellaneous structures: plate girders supported on integral straddle caps, splayed plate girders, multi-level bridges, passenger and heavy rail bridges, AASHTO and FIB beams on curved bridges, bridge widenings, flat slab bridges, bridge load ratings, culverts, concrete retaining walls, bulkhead walls, mast arms, and overhead span/cantilever structures.

Project Experience

ANDREWS AVENUE BASCULE BRIDGE OVER THE NEW RIVER | FORT LAUDERDALE, FL BROWARD COUNTY

Structural Engineer responsible for providing structural engineering design and support services during the post design of the rehabilitation of a single-leaf bascule span. Machinery rehabilitation included a new span drive hydraulic cylinders and HPUs. Additional electrical work included complete replacement of the electrical system including new span HPU pump motors, controls, new relays, amplifier cards.

COCONUT ISLE BRIDGE REPLACEMENT | FORT LAUDERDALE, FL CITY OF FORT LAUDERDALE

Structural Engineer providing design services for the Bridge Alternatives Study and complete set of engineering plans for a single span concrete replacement bridge. Scope of work includes: permitting, geotechnical investigation, load rating, drainage, utility coordination, bridge bulkhead wall design, temporary bridge, MOT, public involvement support as well as bid-phase and post-design services.

CAMINO REAL BRIDGE OVER ICWW | BOCA RATON, FL PALM BEACH COUNTY

Structural Engineer responsible for providing structural engineering services during the post design of the structural rehabilitation of a historic double-leaf rolling lift span constructed in 1939, which involved new roadway grating, floor beam brackets for wider sidewalks, stringers and bridge railing.

DISTRICTWIDE MISCELLANEOUS STRUCTURAL PROJECTS & MINOR DESIGN | MIAMI, FL FLORIDA DOT DISTRICT 6

Structural Engineer responsible for the development of plans, specifications, and estimates under the Districtwide On-Call Structures contract. For the *US 1 Bridge over Channel 2 TWO*, the designs for structural repairs restored spalled areas to deteriorated prestressed AASHTO beams (including strand splicing), bridge deck, bent caps, and diaphragms. Impressed current cathodic protection was installed on the six-foot diameter drilled shaft and cathodic protection (zinc spray) to the bent caps and prestressed beams.

ATLANTIC ISLE LAGOON BRIDGE | SUNNY ISLES, FL FLORIDA DOT DISTRICT 6

Structural Engineer contributing to the feasibility study to rehabilitate Bridge No. 874218 under a Districtwide On-Call Structures contract. Responsible for the condition assessment, as well as the review of previous biennial inspection and load ratings reports, analysis, report study, and the development of several rehabilitation alternatives that



OFFICE LOCATION

Sunrise, FL

REGISTRATION

Professional Engineer

▪ FL (2003) #59509

EDUCATION

B.S., Civil Engineering, 1998, Florida International University

YEARS OF EXPERIENCE

Years with H&H 3
Total Years 21

JORGE SOTO, PE
STRUCTURAL ENGINEER

2 | Page

would retain the aesthetics and coquina façade of this historic bridge. Constructed in 1925, the crossing is a low-level closed-spandrel filled cast-in-place reinforced concrete arch. The lagoon bridge, which had substandard traffic barriers and roadway geometry, had been deemed structurally deficient and functionally obsolete, also showed some structural deterioration.

I-595 WB OVER PINE ISLAND ROAD (BRIDGE 860648) | BROWARD COUNTY, FL
FLORIDA DOT DISTRICT 4

Engineer of Record assisting in field inspection, design, calculations, and plan preparation and post-design of the bridge mechanical systems. Rehabilitation design services for this double-leaf bascule bridge was completed under a Districtwide On-Call Structures contract, Scope included preparation of structural, architectural, mechanical, and electrical plans to repair/rehabilitate this Hopkins Trunnion twin double-leaf bascule span bridge. The rehabilitation included hydraulic machinery retrofit, electrical system improvement & control house modifications.

ALL ABOARD FLORIDA RAILROAD EXPANSION CONTRACTS D07 AND D10 | FROM PALM BEACH TO MIAMI, FL
ALL ABOARD FLORIDA (AAF)

Structural Engineer for the AAF/FEC initiative consisting of the design of seven concrete, one plate-through-girder, and one Florida I-Beam (FIB) railroad bridge. The seven concrete bridges were designed to support Copper E80 and the bridges near the Miami Station Cooper E60. Responsible for the Bridge Development Report (BDR) 30% plans and design of plate-through-girders and FIBs superstructures and substructures for the bridges. Also performed quality control of the substructure and superstructure calculations of the seven concrete bridges.

I-95 EXPRESS LANES PHASE 3C | BROWARD COUNTY, FL
FLORIDA DOT DISTRICT 4

Structural Engineer contributing to the independent peer review of twelve Category-2 complex bridge structures, which included steel plate girders and boxes, steel straddle integral pier caps, non-redundant drilled shafts, and unique C-shaped replacement piers. The design/build I-95 Express Lane Conversion project created two tolled express lanes in each direction. The 3C segment scope includes widening, milling, resurfacing, overbuild, and/or reconstruction to which extends from Stirling Road to Broward Boulevard.

SR-80 / SOUTHERN BOULEVARD OVER THE AICWW AND TIDE RELIEF CANAL BRIDGES | PALM BEACH COUNTY, FL
FLORIDA DOT DISTRICT 4

Structural Engineer or the bridge replacement over the Tide Relief Canal and several concrete retaining walls founded on 48-inch drilled shafts. The bridge, which consisted of a 360-foot phased construction, 7-span continuous, custom cast-in-place flat slab bridge, supported on concrete pier caps with 48-inch drilled shafts, was designed for wave impact.

I-595 RAMP L-1 OVER SR 84 WB (BRIDGE 860645) | BROWARD COUNTY, FL
FLORIDA DOT DISTRICT 4

Structural Engineer involved in the design of a 386-foot, three-span bridge. The bridge consisted of splayed plate girders supported on integral concrete post-tensioned straddle caps. Responsible for the checking/design of the steel plate girders/ superstructure, load rating, substructure design, and development of plans.

I-595 RAMP T-1 (BRIDGE 860559) | BROWARD COUNTY, FL
FLORIDA DOT DISTRICT 4

Project Engineer responsible for the design of a 230-foot three-span bridge. The bridge consisted of prestressed concrete Florida I-45 beams supported on concrete multi-column piers with pile caps. Developed construction documents and prepared foundation and substructure design calculations of piers and end bents.

Hardesty&Hanover



Lillian M. Reyes, P.E.

Professional Record

Ms. Reyes is the chief electrical engineer for Electrical Design Associates, Inc. Ms. Reyes is experienced in designing electrical power distribution for municipal systems, water and wastewater treatment facilities, and above and below ground distribution systems. Ms. Reyes project management responsibilities encompass preliminary and final design, cost estimating, and construction/start-up services.

Experience:

Ms. Reyes has 31 years of experience in electrical design for various projects with the private and public sector. Ms. Reyes was the project manager, in responsible charge, for all electrical design concerns for the following projects:

- Lift Station 309
Boynton Beach, Florida
- Lantana Sports Complex
Lantana, Florida
- Canyon District Park
Palm Beach County, Florida
- Southgate Master Pump Station
Sarasota, Florida
- Gun Club Road Street Lighting
West Palm Beach, Florida
- Pence Park Lift Station
Boynton Beach, Florida
- Central Boulevard Round About Lighting
Jupiter, Florida
- Apopka WWTP Expansion
Apopka, Florida
- Clint Moore Rd to W Atlantic Ave St Lighting
Palm Beach County, Florida

Academic Credentials:

Bachelors of Science in Electrical Engineering
Florida Atlantic University, 1988

Professional Engineer – Florida 50780

Employment Record:

1998-Present - Electrical Design Associates,
Inc.
Owner/President, Electrical
Engineer

1996-1999 - Bailey Engineering Consultants,
Inc., Electrical Engineer

1989-1996 - IBM Corporation
Senior Associate Engineer

1988-1989 - Brabham Debay and
Associates, Inc.
Electrical Engineer


Principal Areas of Expertise:


Electrical Design of Power Distribution,
Lighting, Security and Fire Alarm Systems for
Environmental, Municipal and Commercial
Projects

Electrical Cost Estimating

Professional Activities:

Florida Engineering Society (FES)
Illuminating Engineering Society (IES)
National Fire Protection Association (NFPA)
National Association of Women in Construction
(NAWIC)

 Ron DeSantis, Governor


Halsey Beshears, Secretary 

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

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

REYES, LILLIAN M
6124 SAND HILLS CIRCLE
LAKE WORTH FL 334630000

LICENSE NUMBER: PE50780
EXPIRATION DATE: FEBRUARY 28, 2021
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Dameion Donaldson, P.E.

Professional Record

Mr. Donaldson is an electrical engineer with 16 years of experience in various projects within the private and public sectors. He is experienced in designing electrical power distribution for municipal systems, water and wastewater treatment facilities, above and below ground distribution systems, lighting systems for roadway and industrial facilities. His electrical designing responsibilities encompass all aspects of drawing production, as well as system design.

Experience:

Mr. Donaldson has been involved in the electrical system design on a variety of projects including, but not limited to:

- WRF Influent Pumping and Headworks Improvements
City of Largo, Florida
- Rutland Boulevard Improvements
West Palm Beach, Florida
- WTP Degasifier Addition
Palm Beach County, Florida
- Solid Waste Authority - NEFCO Odor Control
Palm Beach County, Florida
- LS 1, 3, 4 and 9 Improvements
Town of Lantana, Florida
- Monceaux Road Improvements
West Palm Beach, Florida
- Congress Avenue Barrier Free Park
Boynton Beach, Florida
- Lift Station No. 47 and 76
West Palm Beach, Florida

Academic Credentials:

Bachelors of Science in Electrical Engineering
Florida International University, 2003

Professional Engineer – Florida 70851

Employment Record:

2011-Present: Electrical Design Associates, Inc.
Electrical Engineer

2009-2011: Lea & Elliot, Inc.
Electrical Project Engineer

2008- 2009: Gers USA Consulting
Electrical Engineer

2006-2008: Electrical Design Associates, Inc.
Electrical Engineer

2004-2005: Ivax Research, Inc.
Electrical Project Engineer


Principal Areas of Expertise:

Electrical Design of Power Distribution, Lighting, and Fire Alarm Systems for Environmental, Municipal and Commercial Projects


Electrical Cost Estimating
Testing and Commissioning

Professional Activities:

Florida Engineering Society (FES)
Institute of Electrical & Electronics Engineers (IEEE)
IEEE Power and Energy Society



Ron DeSantis, Governor



STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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


DONALDSON, DAMEION

9295 SOLSTICE CIRCLE
PARKLAND FL 33076

LICENSE NUMBER: PE70851

EXPIRATION DATE: FEBRUARY 28, 2021

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RESUME'

Name: R. N. Sailappan, P.E.

Education: B.S. (Naval Architecture), Cochin University of Science & Technology, Cochin, India, 1986
M.S. (Civil Engineering), Florida Atlantic University, Boca Raton, FL, 1991

Licenses: Professional Engineer, Registered in the State of Florida, 1993

Associations: Member, American Society for Testing of Materials (ASTM), 2010
Member, American Society of Civil Engineers (ASCE), 1994
Member (Former), Institution of Naval Architects (INA), India, 1987

Work Experience:

1998 - Present	Principal Quest Engineering Services & Testing, Inc. Pompano Beach, Florida.
1990 - 1998	Engineer & Manager Professional Service Industries, Inc. West Palm Beach, Ft. Lauderdale, Miami, FL
1988 - 1990	Graduate Research Assistant Dept. of Ocean Engineering, Florida Atlantic University Boca Raton, Florida
1986 - 1988	Naval Architect Mazagon Dock Ltd., Mumbai (Bombay), India

Relevant Skills: Geotechnical Studies and Foundation Design Recommendations
Foundation Installation Inspections & Pile Load Tests
Field and Laboratory Tests on Soil, Concrete, Masonry, Asphalt
Structural (Special/Threshold) Inspections
Environmental Site Assessments
Project Management, Marketing, Business Development

Relevant Projects: Miramar East Water Treatment Plant, Miramar, FL
Sawgrass Water Treatment Plant, Sunrise, FL
North Broward Waste Water Treatment Plant, Pompano Beach, FL
Utility Improvements, City of Sunrise, FL
Miami-Dade Water & Sewer Utility Improvements, Dade County, FL
Ft. Lauderdale/Hollywood International Airport, Ft. Lauderdale, FL

Publications

D. V. Reddy and R. N. Sailappan, "Acoustic Emission as a NDE Tool - Certain Laboratory and Field Investigations", December 1989.

D. V. Reddy, S. K. Lee, R. N. Sailappan, W. H. Hartt & M. Arockiasamy, "Fracture Mechanics Evaluation of the Durability of Fly Ash Concrete", December, 1991.

D. V. Reddy, S. K. Lee, R. N. Sailappan, W. Ahn, G. V. Jeedigunta, and K. P. Bethune, "Corrosion Resistance and Fracture Toughness of High Performance Concrete in the Marine Environment", May-June 1998.

Mr. Sailappan has over 30 years of engineering industry experience, with 28 of those years being in South Florida. He has worked on hundreds of projects such as roadways, utilities, public facilities, commercial projects, residential projects, stadiums and arenas, providing construction materials testing, geotechnical engineering, structural inspections, wind load evaluations as well as engineering consultations with regard to roofing, ground vibrations, light and sound analysis.

QuEST

RESUME

- Name:** Joseph Simhon, P.E.
- Education:** 2008 – Univ. of Central Florida – BSBA Business Mgmt. – Orlando, FL
2012 – Florida Atlantic University – BSCE Civil Engg. – Boca Raton, FL
- Certifications:** Florida Professional Engineer Registration No. 86388
Certified General Contractor, CGC # 1520177
- Work Experience:**
- 2006 - 2009 Drafting & Design
Nohmis Design, Orlando, FL
- 2009 - 2010 AutoCAD Drafter / Engineering Intern
Covenant Engineering, Inc. Davie, FL
- 2009 - 2011 Project / Construction Manager
Lancaster Home & Construction Services, Inc., Miami, FL
- 2012 - 2012 Lab Technician / Summer Engineering Intern
Quest Engineering Services & Testing, Inc., Pompano Beach, FL
- Laboratory Concrete Tests
 - Laboratory Soil Tests
 - Gravimetric Tests on Roof Samples
- 2014 - 2014 Inspector / Field Engineer
Quest Engineering Services & Testing, Inc., Pompano Beach, FL
- Forensic investigations of property damage and report preparation.
- 2011 - 2016 General Contractor / Project Manager
Nohmis Construction, Hallandale, FL
- Structural Design of 3 Story Single Family Residence, under the guidance of Mr. Paul Orr, P.E., of Nutek Engineering 305-725-1991
 - General Interior Renovations with minor structural and MEP modifications, under the guidance of Mr. Harvey H. Ehrlich, R.A.
- 2016 - Present Field Inspector & Project Engineer
Quest Engineering Services & Testing, Inc., Pompano Beach, FL
- FLL Terminal 1 Expansion, Ft. Lauderdale Int'l Airport
 - Tropic Oil, West Palm Beach, FL

Joseph Simhon has nearly 10 years of experience in the realm of drafting, structural design, materials testing, structural inspections and construction management. Joseph's focus in college was in civil and structural engineering. He is familiar with the Florida Building Code and local industry practices for concrete, steel and wood construction.

QuEST

RESUME'

Name: Reza Javidan, P.E.

Education: B.S. (Civil Engineering), University of Detroit, MI, 1986
M.S. (Civil Engineering), University of Detroit, MI 1988

Licenses: Professional Engineer, Registered in the State of Florida, 2003

Work Experience:

2015 - Present	Project Engineer Quest Engineering Services & Testing, Inc. Pompano Beach, Florida.
2009 - 2015	Project Engineer Florida Engineering & Testing, Inc. Pompano Beach, Florida.
2004 - 2009	Senior Geotechnical Engineer Nutting Engineering of Florida Boynton Beach, Florida
2000 - 2004	Geotechnical Engineer ATC, Inc., Miami, Florida
1993 - 2000	Geotechnical Engineer Toos-Ab Engineering, Inc., Mashad, Iran.
1989 - 1993	Project Engineer Bowser-Morner Associates, Inc., Toledo, Oh

Relevant Skills: Geotechnical Studies and Foundation Design Recommendations
Foundation Installation Inspections & Pile Load Tests
Field and Laboratory Tests on Soil, Concrete, Masonry, Asphalt
Structural (Special) Inspections
Project Management

Relevant Projects: Trump Plaza, Hallandale Beach, FL
Office Max Headquarter Building, Boca Raton, FL
State School QQQ, Miami, FL
Sunset Lakes Elementary School, Miramar, FL
BCC-Central Campus, Proposed Parking Garage, Davie, FL
North Broward Waste Water Treatment Plant, Pompano Beach, FL
Broward County Fire Rescue – Station 34, North Lauderdale, FL
Ft. Lauderdale/Hollywood International Airport, Ft. Lauderdale, FL

Mr. Javidan has over 30 years of engineering industry experience of which over 17 years have been in South Florida. He has worked on hundreds of projects such as roadways, utilities, public facilities, commercial projects, residential projects, providing construction materials testing, geotechnical engineering, structural inspections, wind load evaluations as well as engineering consultations with regard to roofing and ground vibrations.

QuEST

RESUME'

Name: M. Gnanabharana Nanayakkara (Jaya)

Education: 1967 - High School Diploma, St. Johns College, Nugegoda, Sri Lanka
1975 - Hatfield Polytech College, Hatfield Hearts, U.K.

Certifications: Building Inspector's License, BN #3267
FDOT Drill Shaft Inspector
Certified General Contractor, CGC # 061128

Work Experience:

1994 - 2000	Structural Building Inspector Lakdas Yohalem Engineering, Ft. Lauderdale, FL
2000 - 2002	Structural Building Inspector City of Plantation, FL
2003 - 2008	Structural Building Inspector Nutting Engineers of Florida, Boynton Beach, FL
2008 - 2013	Structural Building Inspector Lakdas Yohalem Engineering, Ft. Lauderdale, FL
2013 - Present	Senior Inspector Quest Engineering Services & Testing, Inc. Pompano Beach, FL

Relevant Skills: Structural Inspections
Code Compliance Inspections
Light Survey
Roof Inspections

QuEST Projects:

2013	Equinix, Boca Raton, FL
2013	Mizner Court, Boca Raton, FL
2014	Coral Reef Park, Miami, FL
2015	FLL Terminal 3 BHS
2016	FLL Terminal 1 Expansion
2017	Riverside Promenade, Pompano Beach, FL
2018	FLL Terminal 3 Modifications

Gnanabharana Nanayakkara (Jaya) has nearly 25 years of experience in South Florida providing structural and code compliance inspections for various projects. He is familiar with steel structures, wood structures, concrete structures and reinforced masonry structures. He has worked on projects ranging from High-Rise Buildings, Multi-family & Single-family Residential projects as well as Public facilities including Ft. Lauderdale Airport Parking Garages, Port Everglades Terminals, Crane Tracks, various parks, etc. He has displayed a tremendous dedication, reliability and technical knowledge in the various projects he has been involved with, helping to bring to successful progress, each of the projects listed above.

QuEST

RESUME'

Name: Jorge Giraldo

Education: Associate Degree of Technologist in Civil Construction, 1990
Polytechnic "JIC", Medellin, Colombia

Ingeniero Civil 1998
La Universidad Nacional De Columbia, Medellin, Colombia

Certification: Radiation Safety Nuclear Gage Operator Certification
Hazmat & Security Awareness Training
Radiation Safety Officer Class Certification
ACI Concrete Field Testing Technician - Level I
ACI Aggregate Testing Technician – Level 1
ACI Concrete Laboratory Testing Technician – Level 1
CTQP Concrete Field Technician – Level 1
CTQP Earthwork Construction inspection – Level 1

Work Experience:

2010 - Present	Quest Engineering Services & Testing, Inc. Pompano Beach, FL
2003 - 2010	SJ Woodwork, LLC., USA
2001 - 2002	Institute National of Roads, Colombia
1997 - 2000	Public Works of Medellin City, Colombia

Relevant Skills: Field and Laboratory Tests on Soils
Field and Laboratory Tests on Concrete
Roofing & Structural Inspections

Projects:

2010	Crossroads Parcel A (Kaiser University), Miami, FL
2011	Taxilanes & Apron Expansion, Ft. Lauderdale Int'l Airport
2012	Infrastructure Improvements, Surfside, FL
2013	Delray Marketplace, Delray Beach, FL
2014	Andrews Avenue Extension, Pompano Beach, FL
2015	Terminal 3 Modifications, Ft. Lauderdale Int'l Airport, FL
2016	Wal-Mart Rehabilitation, Tamarac, FL
2017	FIU Student Academic Support Center, Miami, FL
2018	Riverside Promenade, Pompano Beach, FL
2019	FLL Terminal 4-BHS, Ft. Lauderdale Int'l Airport FL
2020	Infrastructure Improvements, Lauderdale Lakes, FL

Jorge Giraldo has over 10 years of experience in South Florida providing field and laboratory tests on soils and concrete for various projects, as well as roofing and structural inspections. He is well versed in load tests, coefficient of friction tests, adhesion/cohesion tests on various construction materials. He is also familiar with earthwork observations, soil borings, and has displayed a tremendous dedication, reliability and technical knowledge in the various projects he has been involved with, helping the successful progress of each of the jobs listed above.

Wayne Villavaso, RLA, ASLA

Landscape Architect / Land Planner President, Wayne Villavaso Landscape Architecture, Inc. (WVLA) Registered Landscape Architect – Florida

Mr. Wayne Villavaso received his Bachelor of Landscape Architecture from Louisiana State University (LSU), and he is a member of the American Society of Landscape Architects.

Mr. Villavaso moved to South Florida from his native New Orleans in 1978 and brings more than 42 years of South Florida professional experience to each project. He is a Registered Landscape Architect in Florida and has been practicing Land Planning since 1981 and Landscape Contracting since 1985. Formerly, he was registered and worked in North Carolina (2004-2018) and New York (2001-2018).

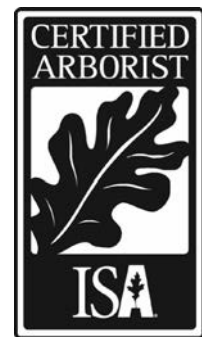
Mr. Villavaso has worked with owners, developers, designers, and contractors to design and/or install projects throughout Florida and the United States. His knowledge and experience of landscape material availability and costs has served his clients very well, as well as the project's present and future needs. Mr. Villavaso takes great pride in working closely with his clients to design for their unique needs within specified budgets, while pursuing sustainable solutions and maintaining quality and superior workmanship in the finished project.

Mr. Villavaso has also been actively involved with various community service organizations, municipal boards and committees. He served as a member of the West Palm Beach Downtown Action Committee from 1997 until 2000, as well as a member of the West Palm Beach Historic Preservation Board from 1994 until 1998. He served on the Beautification Committee for the City of West Palm Beach from 1995 until 1998. He served as a member of the Board of Trustees for the Ann Norton Sculpture Garden from 1992 until 2002 and as Vice-Chairman of the Planning Board for the City of West Palm Beach from 2000 to 2008. He serves on the El Cid Historic Neighborhood Board from 1991-1997 and 2016 to the present. He is also a member of the Haywood County Horticultural Council, Friends of the Blue Ridge Parkway and the North Carolina Arboretum.

Wayne Villavaso Landscape Architecture, Inc., of which Wayne Villavaso is the President, is SBE and CCNA certified with the City of West Palm Beach, CCNA certified with Palm Beach County and is pre-qualified with the Florida Department of Transportation in Group 15 – Landscape Architect.

Mr. Villavaso's expertise includes:

- Land Planning
 - Commercial
 - Multi Family
 - Mixed Use
- Landscape Architecture
 - Commercial
 - Governmental
 - Mixed Use
 - Residential
- Streetscape and Transportation Corridors
- Grant Writing and Application Submittal
- Park and Open Space Planning
- Historic Landscape Renovation / Restoration



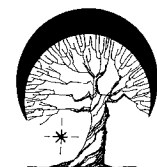
Mr. Villavaso is a certified Arborist. His ISA CSID membership number is 273220 (expires 3/16/2021).


Wayne Villavaso

Landscape Architecture, Inc.

268 Flamingo Drive www.WVLAinc.com


West Palm Beach, FL 33401 Ph. (561) 820-1566 Wayne@WVLAinc.com





Ron DeSantis, Governor

Halsey Beshears, Secretary



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

BOARD OF LANDSCAPE ARCHITECTURE


THE LANDSCAPE ARCHITECT HEREIN HAS REGISTERED UNDER THE
 PROVISIONS OF CHAPTER 481, FLORIDA STATUTES

VILLAVASO, WAYNE EDWARD
 268 FLAMINGO DR
 WEST PALM BCH FL 33401

LICENSE NUMBER: LA0000694

EXPIRATION DATE: NOVEMBER 30, 2021

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TAB 9

Office Locations



OFFICE LOCATIONS

All team members are located within the local area (Broward/Palm Beach Counties).

PRIME

Baxter & Woodman - Fort Lauderdale

6600 North Andrews Ave. Suite 100, Fort Lauderdale, FL 33309

Professionals at this location: 3 Full Time Employees including 1 PE/Survey Manager and 2 Survey Technicians

Support provided by our West Palm Beach location:

Baxter & Woodman - West Palm Beach

477 S. Rosemary Ave. Suite 330 , West Palm Beach, FL 33401

Professionals at this location: 16 Full Time Employees including 4 PEs, 1 EI, 4 Inspection Technicians, 2 AutoCad Technicians, 3 Construction Managers and 1 Administrative

SUBCONSULTANTS

Compass Point Surveyors

3195 N. Powerline Rd. #112, Pompano Beach, FL 33069

Professionals at this location: 2 Project Managers, 3-4 Survey Crews and AutoCad Technicians

Florida Engineering & Testing

250 SW 13 Ave, Pompano Beach, FL 33069

Professionals at this location: 1 PE, 1 EI, 4 Admin, 5 Field Technicians, 1 Part Time Cleaner

Electrical Design Associates, Inc. (EDA)

8401 Lake Worth Road, Suite 221, Lake Worth, FL 33467

Professionals at this location: 5 registered electrical engineers, instrumentation designers, engineering interns, a licensed electrician and designer/cadd technicians, and an administrative assistant

QuEST Engineering Services & Testing, Inc.

2737 NW 19th Street, Pompano Beach, FL, 33069

Professionals at this location: 9 total employees - 6 full-time and 3 part-time; 3 registered engineers; 3 inspector technicians; 3 administrative

Hardesty & Hanover

1000 Sawgrass Corp. Parkway, Suite 544, Sunrise, FL 33323

Professionals at this location: 20 total staff members-11 Florida registered professional engineers, 1 engineer intern, 4 design engineers, and other specialists and support staff

Wayne Villavaso Landscape Architecture, Inc.

268 Flamingo Drive, West Palm Beach, FL 33401

Professionals at this location: 1 Landscape Architect/Certified Arborist



TAB 10

Local Businesses



LOCAL BUSINESSES

EXHIBIT A

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

E-20-20 Continuing Contract for Civil Engineering Services

Solicitation Number & Title: for Various City Projects

Prime Contractor's Name: Baxter & Woodman, Inc.

<u>Name of Firm, Address</u>	<u>Contact Person, Telephone Number</u>	<u>Type of Work to be Performed/Material to be Purchased</u>	<u>Contract Amount or %</u>
Compass Point Surveyors, 3195 North Powerline Road, Suite 112 Pompano Beach, FL 33069	Benjamin Wiser 954-332-8181	Surveying	10%
Florida Engineering & Testing, 250 SW 13th Avenue, Pompano Beach, FL 33069	Christine Chang 954-781-6889	Geotechnical	8%
QuEST Engineering Services & Testing, Inc., 2737 NW 19th Street, Pompano Beach, FL, 33069	R. N. Sailappan, PE 954-582-9800	Structural Inspections and Environmental Studies	5%
Hardesty & Hanover, 1000 Sawgrass Corporate Parkway, Suite 544, Sunrise, FL 33323 (Local Broward County Business-Tier 2)	Henri Sinson, PE 954-368-6340	Structural Bridge Design	10%

LOCAL BUSINESS EXHIBIT "A"

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020

DBA: LOUIS DOMINIC HAUSSMANN
Business Name:

Receipt #: 315-283919
Business Type: ENGINEER (ENGINEER)

Owner Name: BAXTER & WOODMAN INC
Business Location: 6600 N ANDREWS AVE STE 100
 FT LAUDERDALE
Business Phone: 5616554125

Business Opened: 05/08/2017
State/County/Cert/Reg: 81515
Exemption Code:

Rooms Seats Employees Machines Professionals
 3

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

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

**THIS BECOMES A TAX RECEIPT
 WHEN VALIDATED**

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

Mailing Address:

BAXTER & WOODMAN INC
 6600 N ANDREWS AVE STE 100
 FORT LAUDERDALE, FL 33309

Receipt # 10A-18-00000825
Paid 09/23/2019 33.00

2019 - 2020

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020

DBA: LOUIS DOMINIC HAUSSMANN
Business Name:

Receipt #: 315-283919
Business Type: ENGINEER (ENGINEER)

Owner Name: BAXTER & WOODMAN INC
Business Location: 6600 N ANDREWS AVE STE 100
 FT LAUDERDALE
Business Phone: 5616554125

Business Opened: 05/08/2017
State/County/Cert/Reg: 81515
Exemption Code:

Rooms Seats Employees Machines Professionals
 3

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

Receipt # 10A-18-00000825
Paid 09/23/2019 33.00



CITY OF FORT LAUDERDALE | BUSINESS TAX DIVISION
BUSINESS TAX YEAR 2019-2020



100 N. Andrews Avenue, 1ST Floor, Fort Lauderdale, Florida 33301
 (954) 828-5195

Business ID: 1702133 Business Name: BAXTER & WOODMAN INC
 Business Address: 6600 N ANDREWS AVE # 100
 Tax Category: CONSULTANT (UNCLASSIFIED) Tax#: 746494 Fee:

BAXTER & WOODMAN INC
 8678 RIDGEFIELD RD
 CRYSTAL LAKE, IL 60012

DETACH AND POST THIS RECEIPT IN A CONSPICUOUS PLACE

Business ID: 1702133
 Tax Number: 746494
 Business Name: BAXTER & WOODMAN INC
 Business Address: 6600 N ANDREWS AVE # 100
 Business Contact: HAUSSMANN, LOUIS D

- This Receipt is issued for the period commencing October 1st and ending September 30th of the years shown above.
- If you have moved out of the city, please email businesstax@fortlauderdale.gov and include the Business ID #.
- A transfer of business location within the city limits is subject to zoning approval. Complete a Business Tax Transfer Application and bring it to our office to obtain the necessary approval.
- If you have sold your business, please provide us with a copy of the Bill of Sale.
- A Transfer fee of 10% of the annual business tax fee applies. The fee shall not be less than \$3.00, nor greater than \$25.00.

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

BUSINESS TAX DIVISION
 100 N. Andrews Avenue, 1st Floor, Fort Lauderdale, Florida 33301
 Phone (954)828-5195 | Fax (954)828-5881
www.fortlauderdale.gov

Rev. 6/19/2019

EXHIBIT B

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

Solicitation Number E-20-20

TO: Baxter & Woodman, Inc.
 (Name of Prime or General Bidder)

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

an individual a corporation
 a partnership a joint venture

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

 Surveying Services

at the following price: TBD

7/22/2020
 (Date)

Compass Point Surveyors, PL
 (Print Name of Local Business Contractor)
3710 Park Central Blvd N
 (Street Address)
Pompano Beach, FL 33064
 (City, State, Zip Code)
 BY: 
 (Signature)

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

LOCAL BUSINESS EXHIBIT "B"



**CITY OF POMPANO BEACH
BUSINESS TAX RECEIPT
FISCAL YEAR: 2019 - 2020**

Business Tax Receipt Valid from: October 1, 2019 through September 30, 2020

4459900
COMPASS POINT SURVEYORS PL
3195 N POWERLINE RD #112

POMPANO BEACH FL 33069

9/18/2019

THIS IS NOT A BILL

THIS IS YOUR BUSINESS TAX RECEIPT. PLEASE POST IN A CONSPICUOUS PLACE AT THE BUSINESS LOCATION.

BUSINESS OWNER: COMPASS POINT SURVEYORS PL
BUSINESS LOCATION: 3195 N POWERLINE RD 112 POMPANO BEACH FL

RECEIPT NO: 20-00087031
CLASSIFICATION: PROFESSIONAL OFFICE (SEE REQUIREMENTS)

NOTICE: A NEW APPLICATION MUST BE FILED IF THE BUSINESS NAME, OWNERSHIP OR ADDRESS IS CHANGED. THE ISSUANCE OF A BUSINESS TAX RECEIPT SHALL NOT BE DEEMED A WAIVER OF ANY PROVISION OF THE CITY CODE NOR SHALL THE ISSUANCE OF A BUSINESS TAX RECEIPT BE CONSTRUED TO BE A JUDGEMENT OF THE CITY AS TO THE COMPETENCE OF THE APPLICANT TO TRANSACT BUSINESS. **THIS DOCUMENT CANNOT BE ALTERED.**

BUSINESS TAX RECEIPTS EXPIRE SEPTEMBER 30TH OF EACH YEAR

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

Solicitation Number E-20-20

TO: Baxter & Woodman
 (Name of Prime or General Bidder)

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

- | | |
|--|---|
| <input type="checkbox"/> an individual | <input checked="" type="checkbox"/> a corporation |
| <input type="checkbox"/> a partnership | <input type="checkbox"/> a joint venture |

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

- Geotechnical Engineering Services
- Construction Materials Testing
- Special Building Inspections

at the following price: TBA

7/20/20
 (Date)

Florida Engineering & Testing, Inc
 (Print Name of Local Business Contractor)

250 SW 13th Avenue
 (Street Address)

Pompano Beach, FL 33069
 (City, State Zip Code)

BY: [Signature] SVD
 (Signature)
Christine Chaney

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

LOCAL BUSINESS EXHIBIT "B"



**CITY OF POMPANO BEACH
BUSINESS TAX RECEIPT
FISCAL YEAR: 2019 - 2020**

Business Tax Receipt Valid from: October 1, 2019 through September 30, 2020

4422214
MESIANO, MARK
250 SW 13 AVENUE

9/18/2019

POMPANO BEACH FL 33069

THIS IS NOT A BILL

THIS IS YOUR BUSINESS TAX RECEIPT. PLEASE POST IN A CONSPICUOUS PLACE AT THE BUSINESS LOCATION.

BUSINESS OWNER: FLORIDA ENGINEERING & TESTING
BUSINESS LOCATION: 250 SW 13 AV POMPANO BEACH FL

RECEIPT NO:	CLASSIFICATION
20-00041486	PROFESSIONAL-ENGINEER (PROF,CIVIL,ELECT)

NOTICE: A NEW APPLICATION MUST BE FILED IF THE BUSINESS NAME, OWNERSHIP OR ADDRESS IS CHANGED. THE ISSUANCE OF A BUSINESS TAX RECEIPT SHALL NOT BE DEEMED A WAIVER OF ANY PROVISION OF THE CITY CODE NOR SHALL THE ISSUANCE OF A BUSINESS TAX RECEIPT BE CONSTRUED TO BE A JUDGEMENT OF THE CITY AS TO THE COMPETENCE OF THE APPLICANT TO TRANSACT BUSINESS. THIS DOCUMENT CANNOT BE ALTERED.

BUSINESS TAX RECEIPTS EXPIRE SEPTEMBER 30TH OF EACH YEAR



OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

Governmental Center Annex

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674

November 27, 2019

Ms. Christine Chang
FLORIDA ENGINEERING & TESTING, INC.
 250 S.W. 13th Avenue
 Pompano Beach, Florida 33069

Dear Ms. Chang:

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

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

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

Your primary certification group is: **Architecture and Engineering Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at: www.broward.org/EconDev and click on "Certified Firm Directories."

Your firm may compete for, and perform work on Broward County projects in the following areas:

NAICS CODE: 541330; 541380

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,

A handwritten signature in black ink, appearing to read "S.M. McDonald", written over a light blue circular stamp.

Sandy-Michael McDonald, Director
 Office of Economic and Small Business Development

Cert Agency: BC-CBE
ANNIVERSARY DATE: November 15th

Broward County Board of County Commissioners
 Mark D. Bogen • Lamar P. Fisher • Beam Furr • Steve Geller • Dale V.C. Holness • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udine
www.broward.org/econdev

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

Solicitation Number E-20-20

TO: Baxter & Woodman Consulting Engineers
(Name of Prime or General Bidder)

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

an individual a corporation
 a partnership a joint venture

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

Structural Inspection Services
Environmental (ESA-Phase I) Services

at the following price: _____

July 23, 2020
(Date)

Quest Engineering Services & Testing, Inc.
(Print Name of Local Business Contractor)

(Street Address)

Pompano Beach, FL - 33069
(City, State Zip Code)

BY: *R. S. Srilakshman*
(Signature)

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

LOCAL BUSINESS EXHIBIT "B"

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT

115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
VALID OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020

DBA: QUEST ENGINEERING SERVICES & TESTING INC
Business Name: QUEST ENGINEERING SERVICES & TESTING INC
Owner Name: R N SAILAPPAN
Business Location: 2737 NW 19 ST
 POMPANO BEACH
Business Phone: 954-582-9800

Receipt #: 315-580
Business Type: ENGINEER (ENGINEER)
Business Opened: 04/29/2005
State/County/Cert/Reg: 46696/7954
Exemption Code:

Rooms	Seats	Employees 5	Machines	Professionals
-------	-------	----------------	----------	---------------

Number of Machines:		For Vending Business Only		Vending Type:		
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS

THIS BECOMES A TAX RECEIPT WHEN VALIDATED

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

Mailing Address:
 R N SAILAPPAN
 2737 NW 19 ST
 POMPANO BCH, FL 33069

Receipt # 1CP-18-00013967
Paid 08/06/2019 30.00

2019 - 2020



OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT
Governmental Center Annex

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674

January 24, 2020

Mr. R. N. Sallappan, P.E.
QUEST ENGINEERING SERVICES & TESTING, INC
 2737 NW 19th Street
 Pompano Beach, Florida 33069

Dear Mr. Sallappan:

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

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

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

Your primary certification group is: **Architecture/Engineering Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at: www.broward.org/EconDev and click on "Certified Firm Directories."

Your firm may compete for, and perform work on Broward County projects in the following areas:

NAICS CODE: 541330, 541380

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,

A handwritten signature in blue ink, appearing to read "S. McDonald", written over a light blue circular stamp.

Sandy-Michael McDonald, Director
 Office of Economic and Small Business Development

Cert Agency: BC-CBE
ANNIVERSARY DATE: January 3rd

Broward County Board of County Commissioners

Mark D. Bogen • Lamar P. Fisher • Beam Furr • Steve Geller • Dale V.C. Holness • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udine
www.broward.org/econdev



OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT

Governmental Center Annex

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301
954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

January 31, 2020

Mr. R. N. Sailappan, P.E.
QUEST ENGINEERING SERVICES & TESTING, INC.
2737 NW 19th Street
Pompano Beach, Florida 33069

ANNIVERSARY DATE – Annually, on November 26th

Dear Mr. Sailappan:

Broward County is pleased to announce **Quest Engineering Services & Testing, Inc.** has renewed its certification as a **Disadvantaged Business Enterprise [DBE]** in Florida, under a **Unified Certification Program [UCP]** in accordance with 49 CFR, PART 26.

DBE certification continues from your anniversary date, but is contingent upon Quest Engineering Services & Testing, Inc. renewing its eligibility annually through this office, Office of Economic and Small Business Development (OESBD). OESBD will notify you in advance of your obligation to provide continuing eligibility documents; however, ensuring continued certification is your responsibility. Failure to continue your eligibility will result in immediate action to decertify Quest Engineering Services & Testing, Inc. as a DBE.

As long as Quest Engineering Services & Testing, Inc. is listed in the DBE Directory, it is considered DBE Certified by all Florida UCP Members.

DBE Certification is subject to actions by governmental agencies impacting the disadvantaged status of Quest Engineering Services & Testing, Inc.

Quest Engineering Services & Testing, Inc. will be listed in Florida's **UCP DBE Directory** which can be accessed via the internet, at

<https://fdotxwp02.dot.state.fl.us/EqualOpportunityOfficeBusinessDirectory/CustomSearch>

DBE certification is **NOT** a guarantee of work, but enables Quest Engineering Services & Testing, Inc. to compete for, and perform, contract work on all USDOT Federal Aid (FAA, FTA and FHWA) projects in Florida as a DBE contractor, sub-contractor, consultant, and sub-consultant or material supplier.

Broward County Board of County Commissioners

Mark D. Bogen • Lamar P. Fisher • Beam Furr • Steve Geller • Dale V.C. Holness • Nan H. Rich • Tim Ryan • Barbara Sharief • Michael Udine
www.broward.org/econdev

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

Solicitation Number E-20-20

TO: Baxter & Woodman
(Name of Prime or General Bidder)

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

an individual a corporation (LLC)
 a partnership a joint venture

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

Structural Bridge Design

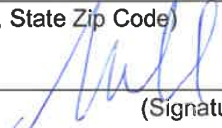
at the following price: _____

7/22/2020
(Date)

Hardesty & Hanover, LLC
(Print Name of Local Business Contractor)

1000 Sawgrass Corporate Parkway, #544
(Street Address)

Sunrise, FL 33325
(City, State Zip Code)

BY: 
(Signature)

Michael Sileno, PE Principal

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

LOCAL BUSINESS EXHIBIT "B"

BROWARD COUNTY TAX ID

2020 Details — Business Tax Account HARDESTY & HANOVER LLC
Print this page

Business Tax Account #49982
Account details Account history

2020
2019
2018
2017
...
2006

Paid
Paid
Paid
Paid
Paid

Account number: 49982	Mailing address: TIMOTHY J NOLES 1000 SAWGRASS CORP PKWY #544 SUNRISE, FL 33323
Business start date: 12/01/2005	
Physical business location: SUNRISE	Owner(s) TIMOTHY J NOLES 1000 SAWGRASS CORP PKWY #544 SUNRISE, FL 33323
Business address: HARDESTY & HANOVER LLC 1000 SAWGRASS CORP PKWY 544 FORT LAUDERDALE, FL 33323	Print exemption application (PDF)

STATE OF FLORIDA TAX ID

CORPORATIONS
an official State of Florida website

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

[Previous On List](#)
[Next On List](#)
[Return to List](#)

Events **No Name History**

Detail by Entity Name

Foreign Limited Liability Company
HARDESTY & HANOVER, LLC

Filing Information

Document Number	M11000005503
FEI/EIN Number	45-3031954
Date Filed	11/01/2011
State	DE
Status	ACTIVE
Last Event	LC AMENDMENT
Event Date Filed	01/24/2017
Event Effective Date	NONE

Principal Address

1501 BROADWAY, 6th FLOOR
NEW YORK, NY 10036

EXHIBIT C

LOCAL BUSINESS EXHIBIT "C"

LOCAL BUSINESS
UNAVAILABILITY FORM

BID # E-20-20

I, Rebecca Travis, PE, ENV SP
(Name and Title)

of Baxter & Woodman, Inc., certify that on the 29th day of

July, 2020, I invited the following LOCAL BUSINESSES to bid work items to be performed in the City of Pompano Beach:

Business Name, Address	Work Items Sought	Form of Bid Sought (i.e., Unit Price, Materials/Labor, Labor Only, etc.)
N/A		

Said Local Businesses:

- Did not bid in response to the invitation
- Submitted a bid which was not the low responsible bid
- Other: We have indicated local business participation in this RLI response.

Rebecca Travis, PE, ENV SP - Executive Vice
Name and Title: President/Florida Division Manager

Date: July 30, 2020

Note: Attach additional documents as available.

EXHIBIT D

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

BID # E-20-20

1. What portions of the contract have you identified as Local Business opportunities?
Surveying, Geotechnical, Structural Inspection and Environmental
Studies, and Structural Bridge Design (Local Broward County
Business).

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

3. Did you send written notices to Local Businesses?
N/A Yes N/A No
 If yes, please include copy of the notice and the list of individuals who were forwarded copies of the notices.

4. Did you advertise in local publications?
 ____ Yes X No
 If yes, please attach copies of the ads, including name and dates of publication.

5. What type of efforts did you make to assist Local Businesses in contracting with you ?
We contacted Local Businesses and discussed the work included
in the RLI.

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

<u>Compass Point Surveyors</u>	<u>10%</u>
<u>Florida Engineering & Testing</u>	<u>8%</u>
<u>QuEST Engineering Services & Testing, Inc.</u>	<u>5%</u>
<u>Hardesty & Hanover (Local Broward County Business)-Tier 2.</u>	<u>10%</u>
_____	\$ _____
_____	\$ _____

LOCAL BUSINESS EXHIBIT "D" – Page 2

_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

7. Other comments: N/A



TAB 11

Minority Business Enterprise Participation



MINORITY BUSINESS ENTERPRISES

EXHIBIT E

BIDDERS ARE TO COMPLETE FORM AND UPLOAD COMPLETED FORM TO THE EBID SYSTEM

EXHIBIT E

MINORITY BUSINESS ENTERPRISE PARTICIPATION

RLI # E-20-20

List all members of your team that are a certified Minority Business Enterprise (as defined by the State of Florida.) You must include copies of the MBE certificates for each firm listed with your electronic submittal.

Name of Firm	Certificate Included?
Florida Engineering & Testing, Inc.	Yes
QuEST Engineering Services & Testing, Inc.	Yes
Electrical Design Associates, Inc.	Yes

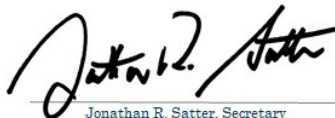
State of Florida

Woman & Minority Business Certification

Florida Engineering & Testing, Inc.

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

10/24/2019 to 10/24/2021



Jonathan R. Satter, Secretary
Florida Department of Management Services



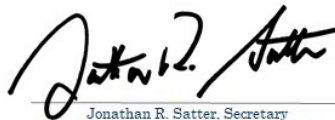
Office of Supplier Diversity
4050 Esplanade Way, Suite 380
Tallahassee, FL 32399
850-487-0915
www.dms.myflorida.com/osd

State of Florida
Minority Business Certification

Quest Engineering Sevices & Testing, Inc.

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

08/19/2019 to 08/19/2021



Jonathan R. Satter, Secretary
Florida Department of Management Services



Office of Supplier Diversity
4050 Esplanade Way, Suite 380
Tallahassee, FL 32399
850-487-0915
www.dms.myflorida.com/osd

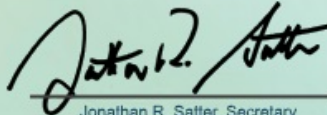
State of Florida

Woman & Minority Business Certification

Electrical Design Associates, Inc

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

06/13/2019 to 06/13/2021



Jonathan R. Satter, Secretary
Florida Department of Management Services



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



TAB 12

Litigation



LITIGATION

As a large regional consulting engineering firm providing services in the states of Wisconsin, Illinois, Indiana, and Florida, Baxter & Woodman, in the course of our business, occasionally becomes involved as a party in claims, disputes, or litigation. However, we can affirm that there is no pending or threatened claim, dispute, or litigation which could reasonably be anticipated to have an adverse impact on our financial or professional ability to perform the services contemplated by this proposal.

Name and Location	Nature of Claim	Date of Claim	Resolution Date of Claim and How Resolved	Court Case; County; State	Insurance	Active/Inactive
John Melone vs. Village of Glenview	Construction worker injury	2019	Contractor is defending Baxter & Woodman	2019 L 006916, Circuit Court of Cook County, IL	Mike Welbel; Risk Strategies; 847-513-6616	Active
Linda Bruno-Coffman and Richard Coffman vs. Southeastern Engineering Contractors, Inc., Murphy Pipeline Contractors, and Baxter & Woodman	Pedestrian tripped along sidewalk in construction zone.	2019	Non-binding mediation set for October, 2020	17th Judicial Circuit Court of Broward County, FL CACE-19-003469	Mike Welbel; Risk Strategies; 847-513-6616	Active
Robert Waghorne vs. Village of Northbrook	Pedestrian tripped over curb in construction zone.	2018	Pre-trial settlement conference scheduled in August, 2020	Circuit Court of Cook County, IL 18 L 006525	Mike Welbel; Risk Strategies; 847-513-6616	Active
Andrew Farley and Amal Farley vs. Commonwealth Edison Co, Hometown Electric, Village of Lake in the Hills, and McHenry County	Pedestrian injured in construction zone.	2018	INACTIVE - Baxter & Woodman dismissed from the case	22nd Judicial Circuit Court of McHenry County, IL 18 LA 000127	Mike Welbel; Risk Strategies; 847-513-6616	Inactive



TAB 13

Certificate of Insurance



CERTIFICATE OF INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
1/6/2020

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

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must 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 Risk Strategies Company 650 Dundee Road Suite 170 Northbrook IL 60062		CONTACT NAME: PHONE (A/C, No, Ext): (847) 412-1414 FAX (A/C, No): E-MAIL ADDRESS: INSURER(S) AFFORDING COVERAGE NAIC #	
INSURED Baxter & Woodman, Inc. 8678 Ridgely Road Crystal Lake IL 60012		INSURER A: Valley Forge Ins Co 20508 INSURER B: Continental Insurance Company INSURER C: Continental Casualty Company INSURER D: INSURER E: INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** CL19122744767 **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 INSP	SUBR WVP	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY			6045872351	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 1,000,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000
	<input checked="" type="checkbox"/> primary/non contributory						MED EXP (Any one person) \$ 15,000
	<input checked="" type="checkbox"/> subj to written contract						PERSONAL & ADV INJURY \$ 1,000,000
GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:							GENERAL AGGREGATE \$ 2,000,000
							PRODUCTS - COMP/OP AGG \$ 2,000,000
							\$
B	AUTOMOBILE LIABILITY			6045872348	1/1/2020	1/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS	<input type="checkbox"/> SCHEDULED AUTOS					BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS	<input checked="" type="checkbox"/> NON-OWNED AUTOS					PROPERTY DAMAGE (Per accident) \$
							\$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB			6045872365	1/1/2020	1/1/2021	EACH OCCURRENCE \$ 5,000,000
	<input type="checkbox"/> EXCESS LIAB	<input type="checkbox"/> CLAIMS-MADE					AGGREGATE \$ 5,000,000
	<input type="checkbox"/> DED	<input type="checkbox"/> RETENTION \$					\$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			6045872379	1/1/2020	1/1/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	Y/N	N/A				E.L. EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional Liability			AEH591900841	1/1/2020	1/1/2021	Per Claim \$5,000,000
							Aggregate \$5,000,000

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

CERTIFICATE HOLDER	CANCELLATION
	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE Michael Christian/CID <i>MS Christian</i>

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ACORD 25 (2014/01)
INS025 (201401)

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TAB 14

Appendix A: City Forms



APPENDIX A: CITY FORMS

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

PROPOSER INFORMATION PAGE

RFP E-20-20, E-20-20, Request for Letters of Interest for Continuing Services for Various City Projects

 (number) (RFP name)

To: The City of Pompano Beach, Florida

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

Proposal submitted by:

Name (printed) Rebecca Travis, PE, ENV SP Title Executive Vice President/Florida Division Manager

Company (Legal Registered) Baxter & Woodman, Inc.

Federal Tax Identification Number 36-2845242

Address 6600 North Andrews Ave., Suite 100

City/State/Zip Fort Lauderdale, FL 33309

Telephone No. 954-945-5483 Fax No. 561-655-6179

Email Address RTravis@baxterwoodman.com

TIER 1/TIER 2 COMPLIANCE FORM

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

TIER 1 LOCAL VENDOR

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

And/Or

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

Or

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

TIER 2 LOCAL VENDOR

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

And/Or

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

Or

_____ My firm does not qualify as a Tier 2 Vendor.

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

July 30, 2020

(Date)

Baxter & Woodman, Inc.

(Name of Firm)

BY: Rebecca Travis, PE, ENV SP

(Name)



City of Pompano Beach
Billable Rate Schedule

<i>Labor Classification</i>	<i>Hourly Rate</i>
Principal/Vice President	\$195/hr
Senior Engineer – Level III/IV	\$180/hr
Senior Engineer – Level I/II	\$168/hr
Engineer – Level III/IV	\$140/hr
Engineer – Level I/II	\$120/hr
Engineer Intern	\$65/hr
Professional Surveyor/PSM	\$150/hr
2-Man Survey Crew	\$130/hr
Construction Manager	\$145/hr
Construction Inspector	\$110/hr
Sr. Engineering CADD Technician	\$120/hr
Marketing Professional/Social Media	\$120/hr
Administrative Support	\$70/hr

- Hourly Billing Rates include direct labor and indirect overhead expenses, readiness to serve, and profit, and are for 8 hours/day and 40 hours/week regularly scheduled work hours.
- Hourly rates for inspection services do not include overtime.
- Mileage charges will be reimbursed at the rate set by the U.S. Internal Revenue Service.
- Project reimbursable items (printing, postage) will be reimbursed at direct costs.
- Traffic Counters \$50/day.
- Miovision Traffic System usage will be reimbursed at a rate of \$600.00 per diem plus \$24.00 per hour processing.
- Drone units will be reimbursed at a rate of \$2,000.00 per day
- Sub-consultant costs will be reimbursed at their invoice costs plus 10%.
- Rates effective 1/1/2021

Prepared by: _____
Rebecca Travis, Executive Vice President
Baxter & Woodman, Inc.

EXHIBIT C

INSURANCE REQUIREMENTS

CONSULTANT shall not commence services under the terms of this Agreement until certification or proof of insurance detailing terms and provisions has been received and approved in writing by the CITY's Risk Manager. If you are responding to a bid and have questions regarding the insurance requirements hereunder, please contact the City's Purchasing Department at (954) 786-4098. If the contract has already been awarded, please direct any queries and proof of the requisite insurance coverage to City staff responsible for oversight of the subject project/contract.

CONSULTANT is responsible to deliver to the CITY for timely review and written approval/disapproval Certificates of Insurance which evidence that all insurance required hereunder is in full force and effect and which name on a primary basis, the CITY as an additional insured on all such coverage.

Throughout the term of this Agreement, CITY, by and through its Risk Manager, reserve the right to review, modify, reject or accept any insurance policies required by this Agreement, including limits, coverages or endorsements. CITY reserves the right, but not the obligation, to review and reject any insurer providing coverage because of poor financial condition or failure to operate legally.

Failure to maintain the required insurance shall be considered an event of default. The requirements herein, as well as CITY's review or acceptance of insurance maintained by CONSULTANT, are not intended to and shall not in any way limit or qualify the liabilities and obligations assumed by CONSULTANT under this Agreement.

Throughout the term of this Agreement, CONSULTANT and all subcontractors or other agents hereunder, shall, at their sole expense, maintain in full force and effect, the following insurance coverages and limits described herein, including endorsements.

A. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440. CONSULTANT further agrees to be responsible for employment, control and conduct of its employees and for any injury sustained by such employees in the course of their employment.

B. Liability Insurance.

(1) Naming the City of Pompano Beach as an additional insured as CITY's interests may appear, on General Liability Insurance only, relative to claims which arise from CONSULTANT's negligent acts or omissions in connection with CONSULTANT's performance under this Agreement.

(2) Such Liability insurance shall include the following checked types of insurance and indicated minimum policy limits.

Type of Insurance**Limits of Liability**

GENERAL LIABILITY: Minimum 1,000,000 Per Occurrence and \$1,000,000 Per Aggregate

* Policy to be written on a claims incurred basis

XX	comprehensive form	bodily injury and property damage
XX	premises - operations	bodily injury and property damage
—	explosion & collapse hazard	
—	underground hazard	
XX	products/completed operations hazard	bodily injury and property damage combined
XX	contractual insurance	bodily injury and property damage combined
XX	broad form property damage	bodily injury and property damage combined
XX	independent contractors	personal injury
XX	personal injury	

AUTOMOBILE LIABILITY: Minimum \$1,000,000 Per Occurrence and \$1,000,000 Per Aggregate. Bodily injury (each person) bodily injury (each accident), property damage, bodily injury and property damage combined.

XX comprehensive form
 XX owned
 XX hired
 XX non-owned

REAL & PERSONAL PROPERTY

— comprehensive form Agent must show proof they have this coverage.

EXCESS LIABILITY		Per Occurrence	Aggregate
XX	Umbrella and other than umbrella	bodily injury and property damage combined	\$2,000,000 \$2,000,000

PROFESSIONAL LIABILITY		Per Occurrence	Aggregate
XX	* Policy to be written on a claims made basis	\$2,000,000	\$2,000,000

(3) If Professional Liability insurance is required, CONSULTANT agrees the indemnification and hold harmless provisions set forth in the Agreement shall survive the termination or expiration of the Agreement for a period of three (3) years unless terminated sooner by the applicable statute of limitations.

C. Employer's Liability. If required by law, CONSULTANT and all subcontractors shall, for the benefit of their employees, provide, carry, maintain and pay for Employer's Liability

Insurance in the minimum amount of One Hundred Thousand Dollars (\$100,000.00) per employee, Five Hundred Thousand Dollars (\$500,000) per aggregate.

D. Policies: Whenever, under the provisions of this Agreement, insurance is required of the CONSULTANT, the CONSULTANT shall promptly provide the following:

- (1) Certificates of Insurance evidencing the required coverage;
- (2) Names and addresses of companies providing coverage;
- (3) Effective and expiration dates of policies; and
- (4) A provision in all policies affording CITY thirty (30) days written notice by a carrier of any cancellation or material change in any policy.

E. Insurance Cancellation or Modification. Should any of the required insurance policies be canceled before the expiration date, or modified or substantially modified, the issuing company shall provide thirty (30) days written notice to the CITY.

F. Waiver of Subrogation. CONSULTANT hereby waives any and all right of subrogation against the CITY, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement to waive subrogation without an endorsement, then CONSULTANT shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy which includes a condition to the policy not specifically prohibiting such an endorsement, or voids coverage should CONSULTANT enter into such an agreement on a pre-loss basis.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

12/21/2020

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

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PRODUCER RSC Insurance Brokerage, Inc. 650 Dundee Road Suite 170 Northbrook IL 60062		CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:	
		INSURER(S) AFFORDING COVERAGE	
		INSURER A: Valley Forge Ins Co	
		INSURER B: Continental Insurance Co	
		INSURER C: Continental Casualty Company	
		INSURER D:	
		INSURER E:	
		INSURER F:	
INSURED Baxter & Woodman, Inc. 477 S. Rosemary Avenue Suite 330 West Palm Beach FL 33401		NAIC # 20508	

COVERAGES**CERTIFICATE NUMBER:** CL20122188453**REVISION NUMBER:**

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> primary/non contributory <input checked="" type="checkbox"/> subject to written contract GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			6045872351	01/01/2021	01/01/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			6045872348	01/01/2021	01/01/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			6045872365	01/01/2021	01/01/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / N If yes, describe under DESCRIPTION OF OPERATIONS below		N / A	6045872379	01/01/2021	01/01/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional Liability			AEH591900841	01/01/2021	01/01/2022	Per Claim 5,000,000 Aggregate 5,000,000

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

Re: Drainage Preliminary Design Report for the Gateway Drive area under Resolution 2016-251. City of Pompano Beach is included as additional insured per blanket endorsement as respect GL, subject to written contract requiring same.

CERTIFICATE HOLDER**CANCELLATION**

City of Pompano Beach

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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DATE (MM/DD/YYYY)

12/21/2020

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PRODUCER RSC Insurance Brokerage, Inc. 650 Dundee Road Suite 170 Northbrook IL 60062		CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS:	
		INSURER(S) AFFORDING COVERAGE	
		INSURER A: Valley Forge Ins Co	
		INSURER B: Continental Insurance Co	
		INSURER C: Continental Casualty Company	
		INSURER D:	
		INSURER E:	
		INSURER F:	
INSURED Baxter & Woodman, Inc. 477 S. Rosemary Avenue Suite 330 West Palm Beach FL 33401		NAIC # 20508	

COVERAGES**CERTIFICATE NUMBER:** CL20122188453**REVISION NUMBER:**

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INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> primary/non contributory <input checked="" type="checkbox"/> subject to written contract GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			6045872351	01/01/2021	01/01/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			6045872348	01/01/2021	01/01/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			6045872365	01/01/2021	01/01/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
C	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y / N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	6045872379	01/01/2021	01/01/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional Liability			AEH591900841	01/01/2021	01/01/2022	Per Claim 5,000,000 Aggregate 5,000,000

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

Re: RLI E-20-20: Continuing Contract for Civil Engineering Services for Various City Projects. City of Pompano Beach, its officers, employees and agents are included as additional insured per blanket endorsement as resect GL/Auto, subject to written contract requiring same. Waiver of subrogation applies GL/Auto/WC.

APPROVED

By Danielle Thorpe at 11:59 pm, Jan 06, 2021

CERTIFICATE HOLDER**CANCELLATION**

City of Pompano Beach 1201 NE 5th Avenue Pompano Beach FL 33060	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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