Florida's Warmest Welcome

CITY OF POMPANO BEACH
REQUEST FOR LETTERS OF INTEREST
E-23-20

CONTINUING CONTRACT FOR ENGINEERING SERVICES FOR WATER AND REUSE TREATMENT PLANT PROJECTS

RLI OPENING: August 10, 2020, 2:00 P.M.
PURCHASING OFFICE
1190 N.E. 3RD AVENUE, BUILDING C (Front)
POMPANO BEACH, FLORIDA 33060

July 8, 2020

CITY OF POMPANO BEACH, FLORIDA

REQUEST FOR LETTERS OF INTEREST (RLI)
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CONTINUING CONTRACT FOR ENGINEERING SERVICES FOR WATER AND REUSE TREATMENT PLANT PROJECTS

Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act" the City of Pompano Beach invites qualified engineering firms to submit Letters of Interest, qualifications and experience for consideration to provide Professional Engineering Consulting services to the City on a continuing as-needed basis.

The City will receive sealed proposals until **2:00 p.m. (local), August 10, 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 intends to issue multiple contracts to engineering firms to provide continuing professional services to the City for various Water and Reuse Treatment Plant projects. 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

1. **The types of projects to be undertaken may include, but are not limited to**

   - Reuse Water Treatment Plant Expansion Projects
   - Reuse Water Treatment Plant Modification and/or Enhancement Projects
   - Water Treatment Plant Expansion Projects
   - Water Treatment Plant Modification and/or Enhancement Projects
   - The City's approved Capital Improvement Program maybe found here http://pompanobeachfl.gov/pages/department_directory/budget/budget.html.php

2. **The scope of services may include, but is not limited to, the following;**

   - Prepare studies and make recommendations on methods of operation and/or treatment.

- 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 will include survey preparations, design plan preparations, technical specification preparations and cost estimate preparations. Attendance at all required pre-design, design, bidding and bid award meetings is required.
- Attend pre-bid conference, prepare possible bid addendums for plan 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. State, County and City).
- Provide construction engineering/management services for projects. Services during construction may include shop drawing/contractor submittal reviews and approvals, inspection and approval of project improvements, possible plan 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 experience in municipal water and reuse treatment plant projects and must be licensed to practice Professional Engineering in the State of Florida, Florida State Statute 471, by the Board of Professional Regulation.

3 Tasks/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. 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.

4. Term of Contract

The contracts will be for a term of five (5) years, commencing upon award by the appropriate City officials.

5. 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 preference as 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.

6. Required Proposal Submittal

Submission/Format Requirements

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 250 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)

7. Insurance

The insurance described herein reflects the insurance requirements deemed necessary for this contract by the City. It is not necessary to have this level of insurance in effect at the time of submittal, but certificates indicating that the insurance is currently carried or a letter from the Carrier indicating upgrade ability will speed the review process to determine the most qualified Proposer.

The successful Proposer(s) shall not commence operations until certification or proof of insurance, detailing terms and provisions of coverage, has been received and approved by the City of Pompano Beach Risk Manager.

The following insurance coverage shall be required.

a. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440, regardless of the size of the company (number of employees). The 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.

b. Liability Insurance

1) Naming the City of Pompano Beach as an additional insured, on General Liability Insurance only, in connection with work being done under this contract.

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

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LIMITS OF LIABILITY

	Type of Insurance		each occurrence	aggregate
GENERAL LIABILITY: ***MINIMUM $1,000,000 per OCCURRENCE/$1,000,000 AGGREGATE***				
	* Policy to be written on a claims incurred basis			
XX	comprehensive form			
XX	premises - operations	bodily injury		
__	explosion & collapse hazard	property damage		
__	underground hazard	_____		
__	products/completed operations hazard	bodily injury and		
XX	contractual insurance	property damage		
XX	broad form property damage	combined		
		_____		
XX	independent contractors			
XX	personal injury	personal injury		
AUTOMOBILE LIABILITY: ***MINIMUM $1,000,000 per OCCURRENCE/$1,000,000 AGGREGATE***				
		bodily injury (each person)		
XX	comprehensive form	bodily injury (each accident)	_____	_____
XX	owned	property damage	_____	_____
XX	hired	bodily injury and		
XX	non-owned	property damage combined		
REAL & PERSONAL PROPERTY				
XX	comprehensive form	Consultant must show proof they have this coverage.		
EXCESS LIABILITY				
XX	umbrella form	bodily injury and property damage		
XX	other than umbrella	combined	$2,000,000.	$2,000,000.
XX	**PROFESSIONAL LIABILITY**	$2,000,000.	$2,000,000.	
	* Policy to be written on a claims made basis			

The certification or proof of insurance must contain a provision for notification to the City, and the City's contracted law enforcement provider if applicable, thirty (30) days in advance of any material change in coverage or cancellation.

The successful Proposer shall furnish to the City the certification or proof of insurance required by the provisions set forth above, within ten (10) days after notification of award of contract.

8. 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.

The Committee will rank responses based upon the following criteria.

	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)	0-45 points
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	0-35 points
3.	Proximity of the nearest office to the project location: a. Location b. Number of staff at the nearest office	0-10 points
4.	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 points

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 RLI, 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.

9. 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.

10. Retention of Records and Right to Access

The selected firm shall maintain during the term of the contract all books of account, receipt invoices, reports and records in accordance with generally accepted accounting practices and standards. The form of all records and reports shall be subject to the approval of the City's Internal Auditor. The selected firm must comply with the Internal Auditor's recommendation for changes, additions, or deletions. The City's Internal Auditor must be permitted during normal business hours to audit and examine the books of account, reports, and records relating to this contract. The selected firm shall maintain and make available such records and files for the duration of the contract and retain them until the expiration of three years after final payment under the contract.

11. 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.

12. 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.

13. 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.

14. 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.

15. Contract Terms

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

The contract shall include as a minimum, the entirety of this RLI 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.

16. Waiver

It is agreed that no waiver or modification of the contract resulting from this RLI, 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.

17. Survivorship Rights

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

18. Termination

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

Should either party fail to perform any of its obligations under the contract resulting from this RLI 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.

19. Manner of Performance

Proposer agrees to perform its duties and obligations under the contract resulting from this RLI 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 RLI 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.

20. Acceptance Period

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

21. RLI Conditions and Provisions

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

Exceptions or deviations to this solicitation may not be added after the submittal date.

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

The City reserves the right to postpone or cancel this RLI, 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.

22. Standard Provisions

a. Governing Law

Any agreement resulting from this RLI 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.

b. 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.

c. 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.

d. 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.

e. 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.

f. 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.

g. 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 RLI. Ignorance on the part of the firm will in no way relieve the firm from responsibility.

h. 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.

i. 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.

j. 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.

k. Public Records

1. 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. Specifically, the Contractor shall:

    a. Keep and maintain public records that ordinarily and necessarily would be required by the City in order to perform the service;

    b. Provide the public with access to such public records on the same terms and conditions that the City would provide the records and at a cost that

does not exceed that provided in chapter 119, Fla. Stat., or as otherwise provided by law;

c. 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; and

d. Meet all requirements for retaining public records and transfer to the City, at no cost, all public records in possession of the contractor upon termination of the contract and destroy any duplicate public records that are exempt or confidential and exempt. All records stored electronically must be provided to the City in a format that is compatible with the information technology systems of the agency.

2. The failure of Contractor to comply with the provisions set forth in this Article shall constitute a Default and Breach of this Agreement and the City shall enforce the Default in accordance with the provisions set forth herein.

23. Questions and Communication

All questions regarding the RLI are to be submitted in writing to the Purchasing Office, 1190 N.E. 3rd Avenue, Building C (Front), Pompano Beach, Florida 33060, fax (954) 786-4168, or email purchasing@copbfl.com. All questions must include the inquiring firm's name, address, telephone number and RLI name and number. 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. Any addendum necessary to answer questions will be posted to the City's website, and it is the Proposer's responsibility to obtain all addenda before submitting a response to the solicitation.

24. Addenda

The issuance of a written addendum is the only official method whereby interpretation, clarification, or additional information can be given. If any addenda are issued to this solicitation the City will attempt to notify all known prospective Proposers, however, 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.

PROJECT TEAM

RLI 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		
Other Key Member		

(use attachments if necessary)

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

RLI Number & Title: _____ Prime Contractor's Name: _____

Name of Firm, Address	Contact Person, Telephone Number	Type of Good/Service to be Purchase	% of Work

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

RLI 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:

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____ _____
(Date) (Name of Local Business Contractor)

BY: _____

EXHIBIT C
LOCAL BUSINESS
UNAVAILABILITY FORM

RLI #_____

I,_____
(Name and Title)

of_____, certify that on the _____day of

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

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

Said Local Businesses:

___ Did not bid in response to the invitation

___ Submitted a bid which was not the low responsible bid

___ Other:_____

Signature: _____

Date: _____

Note: Attach additional documents as available.

EXHIBIT D
GOOD FAITH EFFORT REPORT
LOCAL BUSINESS PARTICIPATION

RLI #_____

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 percentage of work.

_____ _____

_____ _____

_____ _____

8. Other comments: _____

_____

_____

_____

_____

EXHIBIT E

MINORITY BUSINESS ENTERPRISE PARTICIPATION

RLI #_____

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.

Name of Firm	Certificate Included?

E-23-20
Globaltech, Inc.
Supplier Response

Event Information

Number: E-23-20
Title: Continuing Contracts for Engineering Services for Water and Reuse Treatment Plant Projects
Type: Request for Letters of Interest
Issue Date: 7/8/2020
Deadline: 8/10/2020 02:00 PM (ET)
Notes: Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act" the City of Pompano Beach invites qualified engineering firms to submit Letters of Interest, qualifications and experience for consideration to provide Professional Engineering Consulting services to the City on a continuing as-needed basis.

The City will receive sealed proposals until **2:00 p.m. (local), August 10, 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.

Contact Information

Contact: Jeff English
Address: Purchasing
1190 NE 3rd Avenue
Building C
Pompano Beach, FL 33060
Phone: (954) 786-4098
Fax: (954) 786-4168
Email: purchasing@copbfl.com

Globaltech, Inc. Information

Address: 6001 Broken Sound Pky NW
Suite 610
Boca Raton, FL 33487
Phone: (561) 997-6433

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

David Schuman, PE
Signature

DSchuman@GlobaltechDB.com
Email

Submitted at 8/10/2020 8:57:28 AM

Requested Attachments

Proposal — City of Pompano Beach RLI E-23-20-Globaltech.pdf

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

Financial Statment — Globaltech Inc. Financial Statements-CONFIDENTIAL.pdf

Will remain confidential pursuant to section 119.071 of the State of Florida Statutes.

Tier 1/ Tier 2 Local Business Form — T1_T2_Form-Globaltech.pdf

To comply with the City's Local Business Program as a Tier-1 or Tier-2 vendor, you must complete this form and upload it to the Response Attachments tab.

Local Business Program Forms — Local Business Program Forms A-D-Globaltech.pdf

These forms are to be completed and uploaded to the Response Attachments tab. Online Only

Proposer Information Page — Proposer Information Page Form.pdf

Proposer Information Page Form is to be included in your proposal that must be uploaded to the Response Attachments Tab.

Minority Business Enterprise Participation Form — MBE Participation Form-Globaltech.pdf

If your firm or any sub-consultant is a certified minority business enterprise this form must be completed and included with your proposal. If any members of your team are a certified Minority Business Enterprise copies of their certifications must be included in your submittal.

Project Team Form — Project Team Form-Globaltech.pdf

Project Team Form is to be included in your proposal that must be uploaded to the Response Attachments Tab.

Bid Attributes

1 Drug-Free Workplace

Whenever two or more bids which are equal with respect to price, quality, and service are received for the procurement of commodities or contractual service, a bid received from a business that certifies that it has implemented a Drug-free Workplace Program shall be given preference in the award process. If bidder's company has a Drug-free Workplace Program as outlined in General Conditions, section 32., indicate that by selecting yes in the drop down menu.

Yes

2 Conflict of Interest

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

No

3 Local Business Participation Percentage

If you have indicated local business participation on the Local Business Participation Form Exhibit A enter the percentage of the contract that will be performed by local Pompano Beach businesses.

No response

4 Terms & Conditions

Check the box indicating you agree to the terms and conditions of this solicitation.

Agree

5 Acknowledgement of Addenda

Check this box to acknowledge that you have reviewed all addenda issued for this solicitation.

Yes

Letter of Interest for

Continuing Contract for Engineering Services for Water and Reuse Treatment Plant Projects RLI E-23-20

The City of Pompano Beach
Purchasing Office

August 10, 2020

GLOBALTECH
A DESIGN BUILD COMPANY

RLI E-23-20
Continuing Contract for Engineering Services for Water and Reuse Treatment Plant Projects

DATE:	August 10, 2020
NAME OF FIRM:	Globaltech, Inc.
CONTACT PERSON:	David Schuman, PE, Vice President of Engineering
ADDRESS:	6001 Broken Sound Parkway, NW, Suite 610 Boca Raton, FL 33487
PHONE NUMBER:	(561) 997-6433
EMAIL:	DSchuman@globaltechdb.com

There were no Addenda posted for RLI E-23-20; however, we did review the Questions and Answers posted on 08/07/20.

GLOBALTECH
A DESIGN BUILD COMPANY

TAB 1
Table of Contents

Table of Contents

GLOBALTECH
A DESIGN BUILD COMPANY

TAB 2
Letter of Transmittal

August 10, 2020

City Purchasing Office
1190 N.E. 3rd Avenue, Building C
Pompano Beach, FL 33060

Subject: **Letter of Interest for Continuing Contract for Engineering Services for Water and Reuse Treatment Plant Projects, E-23-20**

Purchasing Department and Selection Committee Members:

Globaltech, Inc. is pleased to submit this Letter of interest to the City of Pompano Beach (the City) for the Continuing Contract for Engineering Services for Water and Reuse Treatment Plant Projects. Per your Request, we are submitting the required electronic submission of our proposal for your consideration. We were awarded the previous contract to provide Continuing Engineering Services in 2015 (RLI L-40-15), and look forward to continuing our relationship with the City.

About Globaltech, Inc.

Globaltech, Inc., (Globaltech) a local utility engineering and design-build firm, will serve as the prime consultant. Since our founding in 1995, Globaltech has been designing, permitting, constructing and commissioning various water and wastewater facilities. Our corporate office is located in Boca Raton, Florida, approximately 15 miles from the Pompano Beach Treatment Plant. As such, we can be at the City's facilities within minutes, ensuring responsive service.

Globaltech has significant experience with treatment plant upgrade projects, similar in scope to the projects planned by the City, and we have also completed previous work for the City. Our professional engineers alone have nearly 150 years of experience, primarily in the South Florida water and wastewater utility market. We are Florida state certified in the following categories:

- Professional Engineering #COA0007225
- General Contractor #CGC1507230
- Mechanical Contractor #CMC1249255
- Plumbing Contractor #CFC1427843
- Underground Excavation and Utility Contractor #CUC1224907

Globaltech's staff of 47 includes eight (8) professional engineers, three (3) construction managers, two (2) CAD technicians, an accounting/payroll manager and five administrative personnel all located in our Boca Raton office. Globaltech also has fourteen (14) construction staff on various construction sites around South Florida. We also have branch offices located in Belle Glade and Port St. Lucie.

We offer direct access to our staff and our resources without cumbersome bureaucracy and unnecessary layers of management. Most of our staff are senior professionals who are capable of providing accurate and timely responses to questions involving technical and management issues. As important as it is to be local and responsive, it is equally important to be able to respond with the right answers based on a sound technical foundation at the time they are needed.

Local Team

Our local team consists of highly-qualified professionals with utility engineering and construction knowledge, all of whom have applicable experience specific to the types of raw water supply, water treatment, reuse water, and conveyance projects the City will require under this contract. To support our staff, we have added **four experienced subconsultants to our team: WGI, Inc. (formerly Wantman Group Inc.), Connect Consulting, Inc. (CCI), KEITH and ADS Engineering, PLLC (ADS).** As prime consultant, Globaltech will provide conceptual analysis, preliminary and final process mechanical design, permitting, bidding services, construction management services as well as overall project management. CCI will serve as the lead hydrogeological firm providing wellfield evaluation and modeling, permitting, well-related rehabilitation and services during construction. CCI will also provide hydrogeological consulting services related to deep injection wells. KEITH will provide civil engineering, landscaping and surveying support, WGI will provide structural engineering services, and ADS will provide electrical and instrumentation engineering support as well as SCADA/PLC programming services.

All of the team members are located within Broward or Palm Beach Counties. ADS and KEITH are located within the City of Pompano Beach. Globaltech, KEITH and WGI have also completed previous work for the City.

Commitment to the Success of the City's Projects

We affirm our positive commitment to provide all necessary resources to perform and complete all assignments in a quality, timely, and professional manner. We have successfully worked together with all of our proposed subconsultants, and have a proven track record of performance and client satisfaction. Additionally, individual members of our team have worked together for over 25 years. Globaltech and our team members have faced challenging projects together and are confident we can provide the City with a streamlined, efficient, and responsive service to deliver quality projects that will serve the City well for many years to come. We are a unique Team that will provide the City with technical excellence and the ability to implement projects in a timely and cost efficient manner. We have a proven record of delivering projects on time while meeting our client's expectations.

Experienced and Efficient Project Management

I will be the project manager and primary client contact for this project. I have worked on many lime plant and membrane plant facility upgrades for Pompano Beach, Palm Beach County, Boynton Beach, City of Margate, Coral Springs Improvement District, Cooper City, Fort Pierce Utilities Authority, South Martin Regional Utilities and the Town of Highland Beach. I have also worked on wastewater/reuse systems for Palm Beach County, Coral Springs Improvement District, Boynton Beach, and Boca Raton. In addition, supporting engineers in the office also have significant experience with lime plant and membrane plant facilities as well as wastewater/reuse facilities. We believe we are the right company to lead this assignment and look forward to your favorable consideration. I can be reached by telephone at 561-997-6433 or by email at DSchuman@GlobaltechDB.com. Our corporate office is located at 6001 Broken Sound Parkway, NW, Suite 610, Boca Raton, FL 33487.

Sincerely,

David Schuman, P.E.
Vice President of Engineering
Globaltech, Inc.

GLOBALTECH
A DESIGN BUILD COMPANY

TAB 3
Technical Approach

Engineers and construction professionals working seamlessly together

Globaltech is pleased to present evidence of our experience and capability for this contract. Our combined staff of in-house engineers, financial and administrative support staff, construction managers, and our line construction staff have worked cohesively on projects for more than 25 years.

To our talented group of professionals we have added four key subconsultants to our team, two of which are located in Pompano Beach:

ADS Engineering, Pompano Beach, FL – *Electrical design and construction services, instrumentation and control, automation and process control services.*

KEITH, Pompano Beach, FL – *Civil/stormwater engineering, landscaping and surveying services.*

Connect Consulting, Jupiter, FL– *Water resources planning, hydrogeological and permitting services.*

WGI, West Palm Beach, FL – *Structural engineering services.*

Each of these firms has worked with us in the past on numerous projects, and together we form an experienced team with the right credentials to deliver a successful project.

This section provides our technical approach for the types of projects listed in the RLI and in the City's CIP. The work listed in these documents is associated with water treatment & reuse plant expansions and modifications as well as significant electrical modifications. Specific project work includes lime softener and gravity thickener rehabilitation, membrane element replacement, hurricane hardening, nanofiltration plant expansion, raw water wells and reuse plant emergency power. We have performed similar scopes of work for other municipal clients including but not limited to studies, permitting, design, cost estimates, construction administration/management, and record drawings.

Globaltech provides local, direct, hands-on, knowledgeable and experienced staff that can take a project successfully from conception to commissioning. We feel that our project approach and local presence will be cost effective for the City of Pompano Beach based on the following:

> Globaltech's staff are truly experts in the water field and have provided us with excellent advice and responsive service.
>
> Edward Stover
> WTP Chief Operator
> Coral Springs Improvement District

- Our office is located in close proximity to the City's offices and facilities, with minimal travel time between us. With our main office located nearby in Boca Raton, we can ensure we are responsive to the City's needs.
- Our staff is highly experienced with water and reuse plants and wells. Our staff consists of qualified professionals with utility engineering and construction knowledge, all of whom have applicable experience with the types of projects listed in the RLI and the City's CIP.
- Our staff has extensive experience with the specific types of facilities owned by the City of Pompano Beach and we have also done work at the City's WTP. This knowledge gives us the unique ability to begin work immediately.
- All of our engineers are trained as hands-on project managers in the construction and commissioning of various treatment systems similar to those owned by the City.
- As a design-builder, we understand construction schedules and limitations in procurement. We are experienced in meeting fast-track schedules. Globaltech has executed a number of projects to meet grant deadlines, consent orders, and contractual obligations.
- As a local firm, we understand the local regulatory environment and have working relationships with local agency permit reviewers, ensuring timely permitting schedules.
- We maintain continuity of project staff through duration of our projects. Our staff understands each step of a project and can guide the City through the next step. Maintaining continuity also establishes ownership and pride for the project by our staff.
- We offer direct access to our staff and other resources without cumbersome bureaucracy and unnecessary layers of management. Most of our project team members are principals in their respective firms and are capable of providing accurate and timely responses to questions involving technical and management issues.

Our project approach will provide the City with quality planning, engineering, and construction services at a cost effective rate while meeting project deadlines and budget requirements.

The following table provide a list of plants in which Globaltech has worked to provide similar services.

Utilities	W/WWTP Treatment Services	Hydrogeological Services
City of Boynton Beach	• Accelator Lime Softening • Nanofiltration • Disinfection/Chlorination • Power Mgmt & Power Generator	• New Wells - Surficial Wells
Cooper City	• Nanofiltration • Disinfection/Chlorination	• New Wells - Surficial Wells
Coral Springs Improvement District	• Low Pressure Membrane Softening • Accelator Lime Softening • Disinfection/Chlorination • Process Control/Instrumentation • Chemical Systems • WWTP Headworks & Package Plant • Hurricane Hardening	• Well Development and Modification • Bringing Existing Wells to Production • New Wells – Surficial • Wellfield Improvement • DIW – Mechanical integrity Testing
Fort Pierce Utilities Authority Henry A. Gahn	• Low Pressure Membrane Softening • Accelator Lime Softening • Disinfection/Chlorination • Process Control and Instrumentation • Chemical Systems • Power Mgmt & Power Generator • Hurricane Hardening	• Bringing Existing Wells to Production • New Wells - Surficial Wells • New Wells - Floridan Wells
Highland Beach RO WTP	• Low Pressure Membrane Softening • Disinfection/Chlorination • Process Control and Instrumentation • Power Management and Generator	• New Well - Floridan • DIW - Mechanical Integrity Testing
Boca Raton	• Reuse Filter Imrpovements • Chemical Systems	• Modify/Rehabilitate Exisitng Wells
Palm Beach County Water Utilities Department	• Low Pressure Membrane Softening • Nanofiltration • Accelator Lime Softening • Disinfection/Chlorination • Process Control and Instrumentation • Power Management and Generator • Hurricane Hardening	• New Well - Floridan Well
Riviera Beach	• Accelator Lime Softening • Repump Stations	
Town of Lantana WTP	• Anion Exchange/Cation Exchange • Disinfection/Chlorination • Process Control and Instrumentation	

Technical Approach

Globaltech's technical approach involves five main areas that are implemented to ensure a successful project:

1. Project Development
2. Project Implementation
3. Client Interface
4. Schedule and Budget Control
5. Construction Administrative Services

Project Development

The need for a project is usually identified in a number of ways that may include:

- Owner identification of need for improvement, replacement, or addition of facilities;
- Consultant identification of similar needs through plant inspections, day-to-day involvement with staff and facilities, or pro-active planning in the normal course of the consultant's duties;
- Regulatory changes which require modifications or additions to current facilities; and,
- Emergency conditions or unforeseen changes in environmental influences that require immediate response.

In developing the parameters for each project, our team will meet with the City of Pompano Beach's staff to develop a detailed scope and desired outcome.

Having specific experience with treatment facilities involving multiple treatment methodologies (i.e., combined lime softening and membrane treatment), our team will draw on these experiences to assist the City in developing a realistic project budget and implementation schedule. Typical project tasks will include services for alternatives analysis, design, cost estimating, permitting, bidding, construction, and start-up phases. It has been our experience that plant operators, maintenance workers and technicians are also valuable sources of information when diagnosing problems or developing design concepts. Our engineers have excellent working relationships at all levels of plant personnel in Pompano Beach, which will permit us to develop user friendly, desirable and cost-effective solutions.

The level of involvement of the consultant is normally defined during the project development phase. Some projects will require the consultant to provide all engineering decisions and related services. Other projects may involve significant Owner input in terms of process decisions, material and equipment selections, equipment pre-purchase, installation by Owner forces, and direct sub-contracting. The Globaltech team has experience at providing services in any of the above situations. Given that the City has a knowledgeable and involved staff, some of our most valuable and cost effective services may involve assisting the Owner in direct execution and installation of project components through design and procurement services. Only after the project has been clearly defined in terms of scope, budget, and outcome can the team move to the implementation phase.

We anticipate providing the following work products, as applicable to each project, to the City of Pompano Beach:

- Feasibility studies to evaluate various treatment alternatives or potential improvements
- Preliminary design reports for permitting and defining of design elements;
- AutoCAD drawings at each review level
- Specifications at each review level
- Permit applications
- Cost estimates;
- Inspection reports
- Project schedules

Project Implementation

Efficient execution of any project requires adherence to a defined set of guidelines that include:

- Development of a project work plan
- Assignment of experienced and competent staff to the various project tasks

- Frequent communication among team members and Owner's staff
- Implementing a quality assurance plan

Following development of the project definition, a work plan is developed for all projects, regardless of scope, budget, schedule or complexity. The work plan sets out the guidelines for execution of the project and it identifies:

- Project team members
- Team member task assignments and areas of responsibilities
- Team member contact information
- Task budgets
- Overall project budget
- Project manager (consultant and Owner)
- Project schedule
- Milestone deliverables
- Format of deliverables
- Quality assurance procedures
- Other information specific to the project

The objective of the work plan is to ensure that each team member's role and responsibility is clearly defined and that there are controls in place to see that those responsibilities are met.

Staff assignments for each project are based on the specific individual's technical expertise, process familiarity, and relevant project experience. All staff assignments and subconsultants are subject to Owner approval from the begining. The senior members of the Globaltech team are experienced project managers in multi-discipline projects. Project management assignments are typically based on the design professional responsible for the "primary" process and will remain in effect for the duration of the project. The individual must have understanding of all related disciplines involved in the design.

Globaltech's approach to coordinate and manage subconsultants is to clearly define the work scope and communicate frequently with each subconsultant. After the initial scope of work is defined for a project, Globaltech will take the lead in developing a draft process flow diagram and draft process and instrumentation diagram. This provides subconsultants with an overview of the overall treatment approach and project requirements. The entire team then reviews the project requirements together and with the City staff to get input on desired operations requirements for the new system. The process diagrams will then be revised and used for the basis of design. Throughout the process, we frequently meet with our subconsultants to review

both the mechanical, electrical, and I&C drawings, check on project progress and work product. We have successfully worked with our team's proposed subconsultants on many previous projects.

Globaltech provides designs for numerous public utilities and understands that a public utility's first priority is public safety, followed by uninterrupted service to its customers. Regulatory compliance, safety, operational ease, low maintenance, and longevity are also at the top a public utility's priority list. Globaltech designs and installs every system with these priorities in mind. Our experienced staff can draw on previous project experience to design a safe, reliable, and efficient system that takes into account integration with the existing system, including minimal shut downs and testing to ensure safety for public use. Globaltech is capable of considering the overall well being of a plant's system while designing modifications and upgrades that work symbiotically with existing equipment. Water chemistry and overall water quality are always considered in the process design, ensuring all parameters are kept in check.

In designing water systems, hydraulics and process design are key to having an efficient system. If the systems are undersized or grossly oversized, they will not work efficiently. Systems have to be sized to accommodate today's flows as well as future flows. System hydraulics for diurnal low flows and peak flows also have to be considered. While Globaltech utilizes hydraulic modeling programs (WaterCAD, Pipe Flow) to assist in pipeline and pump design like many consultants, it is in the evaluation of the input data and results by experienced engineers, like Globaltech's Paul Gandy, P.E. and David Schuman, P.E., that makes for efficient design.

An indispensable tool in the success of the project is a quality assurance plan that defines the quality control review procedures and schedule for implementing those procedures. Project deliverables are reviewed for technical accuracy and inter-discipline coordination, constructability, budget tracking, and adherence to schedule. Project deliverables are typically subjected to quality control reviews and cost estimates at the 30%, 60%, and 95% completion milestones. Projects are not considered 100% complete until the results and comments from the 95% review have been adjudicated.

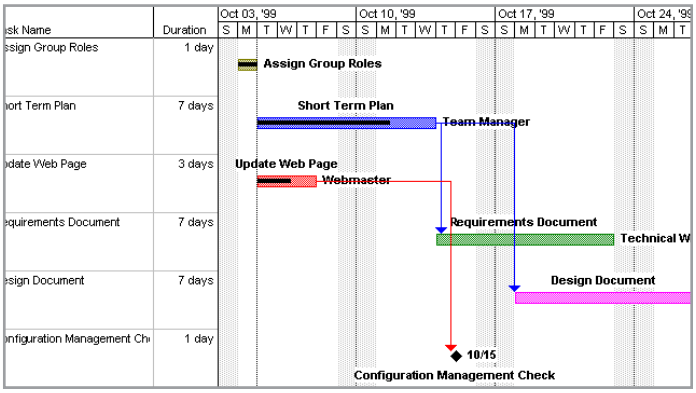
Client Interface

Key to the success of the project is frequent communication between the Owner's staff and the project team. No project can be successfully executed in a "vacuum". Furthermore, reviews by the Owner and those conducted internally must not be delayed until the deliverables are substantially complete. The work plan outlines necessary communication for the project. Frequent team meetings are scheduled and additional site visits and face-to-face meetings with Owner's staff and operating personnel - the recipients of the end product - are a requirement. There is no substitute for interpersonal interaction throughout the implementation phase to ensure a clearly defined set of deliverables that meet the City of Pompano Beach's expectations. Globaltech's philosophy is not to employ layers of management, but to utilize direct, open interface between the City's contract manager and our Client Service Manager. Globaltech's Client Service Manager will be responsible for day-to-day communication to the City's designated contact for project related issues.

Globaltech is committed to maintaining continuity of project staff through the duration of projects in order to ensure consistency of work, adhere to project schedules, and provide a set project manager (PM) and points of contacts for Pompano Beach. Our staff understands each step of a project and can guide Pompano Beach through each project's phases. Maintaining continuity of project staff also establishes ownership and pride for each project by our team members. David Schuman, P.E., will serve as the client service manager and he may also serve as project manager for projects commensurate with his technical expertise. Other anticipated project managers include Troy Lyn, P.E., and Tyler Davis, P.E., each with over 25 years of experience.

Schedule and Budget Controls

Globaltech employs several software products and industry standard methods of estimating, scheduling and cost control. We have standardized around the use of Primavera P6® for scheduling and resource allocation. This tool allows us to track progress by displaying actual progress with planned results and allows us to commit resources where needed to prevent "schedule creep". This is also an effective tool for projecting realistic construction schedules once designs are complete. We are also experienced in the use of Microsoft Project®, and other scheduling software products and can adapt to the City's current standards.



Project costs are monitored and controlled by revising costs estimates at 30%, 60%, and 95% complete milestones and by revising project decisions as required to fit the budget allocation or by modifying the budget to reflect needed elements in the project agreed to by the Owner. We use industry standard references that are maintained current for the purpose of developing cost estimates. We also maintain relationships with experienced local contractors and vendors and often employ their services for developing realistic cost estimates and review of schedule and constructability concerns. Additionally, from our experience with design/build, turn-key, and procurement projects we are able to rely on our past experiences and internal database as reference for projects that are similar in nature.

Construction Administrative Services

Globaltech provides full service management and resident inspection of construction projects including: shop drawing review and approval, contract clarification, construction inspection, job site meetings, contractor pay request review and approval, schedule review, change order negotiation, coordination of testing services, equipment testing/startup, and operator training.

Close supervision and documentation is often required to ensure quality construction is provided on larger projects. Globaltech is fully capable of providing the City with construction management services that will include drawing review, full or part time site inspection, preparation of substantial completion check, punch list development and project close out. The level of services provided during construction projects will depend on the City's comfort level with the contractor and level of complexity of the project. Globaltech will work with the City to provide construction administrative services to fit the project scope and City's needs. To help minimize change orders, we also use our design-build and contracting experience to look at the constructability of the project in order to anticipate potential difficulties during construction.

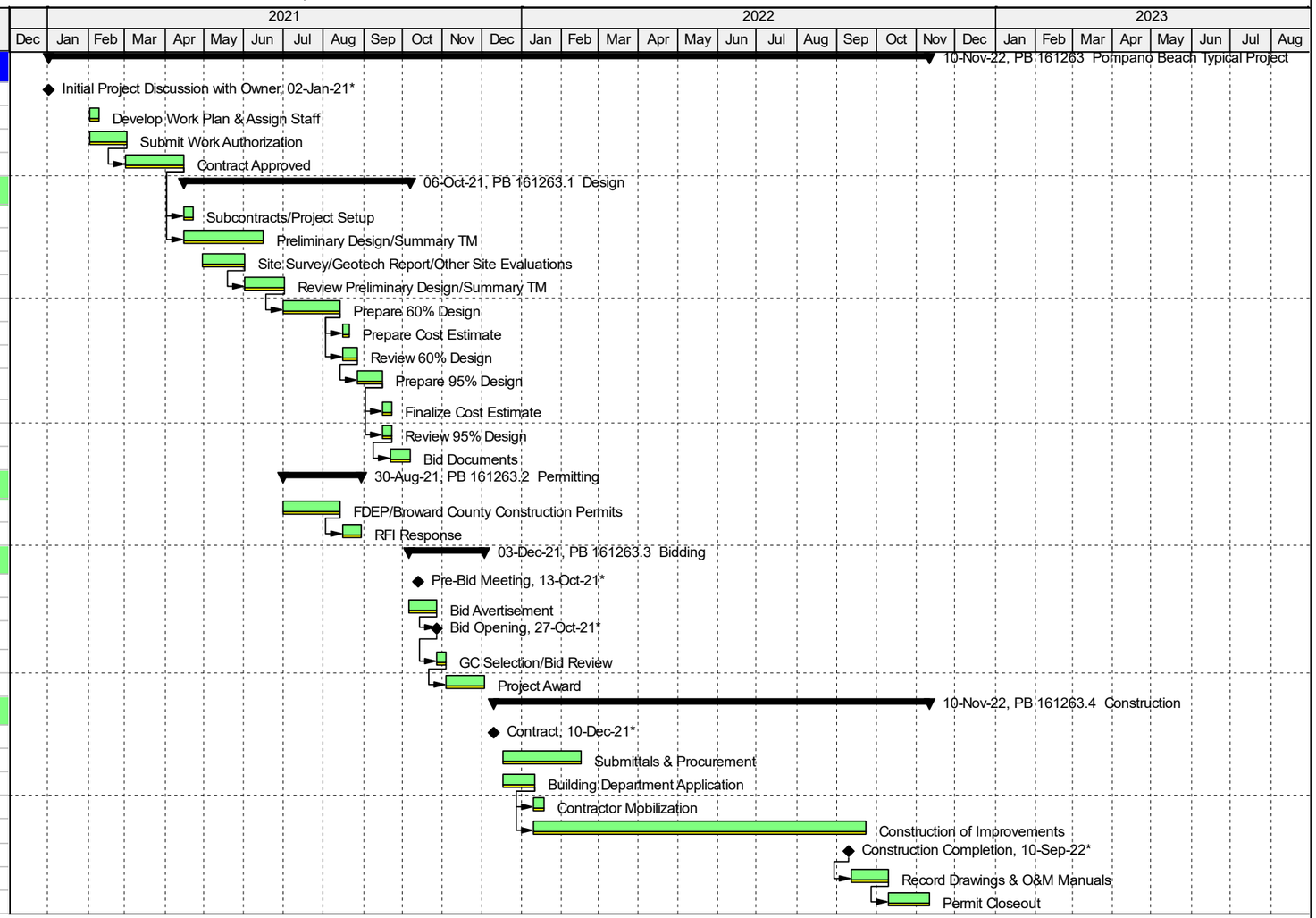
GLOBALTECH
A DESIGN BUILD COMPANY

TAB 4
Schedule

A sample project schedule is provided. It was prepared using our standard scheduling software, Primavera P6. No specific project was identified to be incorporated into the schedule. The sample schedule includes the typical project phases with typical required time durations. The actual schedule phases and time durations will vary based on the complexity of the project, permitting requirements, the degree of task dependency and whether the project has an associated time driver.

Pompano Beach Typical Project — Example — CM: TBD

Activity ID	Activity Name	Start	Finish
PB 161263	**Pompano Beach Typical Project**	02-Jan-21	10-Nov-22
A1000	Initial Project Discussion with Owner	02-Jan-21*	
A1010	Develop Work Plan & Assign Staff	02-Feb-21*	09-Feb-21
A1020	Submit Work Authorization	02-Feb-21*	02-Mar-21
A1030	Contract Approved	02-Mar-21*	15-Apr-21
PB 161263.1	**Design**	15-Apr-21	06-Oct-21
A1040	Subcontracts/Project Setup	15-Apr-21*	22-Apr-21
A1050	Preliminary Design/Summary TM	15-Apr-21*	15-Jun-21
A1060	Site Survey/Geotech Report/Other Site Evaluations	30-Apr-21*	01-Jun-21
A1070	Review Preliminary Design/Summary TM	01-Jun-21*	01-Jul-21
A1080	Prepare 60% Design	01-Jul-21*	13-Aug-21
A1082	Prepare Cost Estimate	16-Aug-21*	20-Aug-21
A1085	Review 60% Design	16-Aug-21*	27-Aug-21
A1100	Prepare 95% Design	27-Aug-21*	15-Sep-21
A1110	Finalize Cost Estimate	15-Sep-21*	22-Sep-21
A1120	Review 95% Design	15-Sep-21*	22-Sep-21
A1130	Bid Documents	22-Sep-21*	06-Oct-21
PB 161263.2	**Permitting**	01-Jul-21	30-Aug-21
A1140	FDEP/Broward County Construction Permits	01-Jul-21*	13-Aug-21
A1150	RFI Response	16-Aug-21*	30-Aug-21
PB 161263.3	**Bidding**	06-Oct-21	03-Dec-21
A1155	Pre-Bid Meeting	13-Oct-21*	
A1160	Bid Avertisement	06-Oct-21*	27-Oct-21
A1180	Bid Opening	27-Oct-21*	
A1190	GC Selection/Bid Review	27-Oct-21*	03-Nov-21
A1200	Project Award	03-Nov-21*	03-Dec-21
PB 161263.4	**Construction**	10-Dec-21	10-Nov-22
A1210	Contract	10-Dec-21*	
A1215	Submittals & Procurement	17-Dec-21*	15-Feb-22
A1220	Building Department Application	17-Dec-21*	10-Jan-22
A1230	Contractor Mobilization	10-Jan-22*	17-Jan-22
A1240	Construction of Improvements	10-Jan-22*	22-Sep-22
A1250	Construction Completion	10-Sep-22*	
A1260	Record Drawings & O&M Manuals	12-Sep-22*	10-Oct-22
A1270	Permit Closeout	10-Oct-22*	10-Nov-22



Primary Baseline · Actual Work · Critical Remaining Work · Remaining Work · Milestone · summary · Critical Work by Others · Delay · Shutdown

Page 1 of 1

POMPANO BEACH
TYPICAL PROJECT SCHEDULE
UPDATED PROGRESS SCHEDULE AS OF AUG-7-2020

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TAB 5
References

The majority of the work that Globaltech conducts is for repeat clients. We value the relationships that we have built. Although our longevity in the local market has provided us with the opportunity to meet many of the municipal clients, we believe that we have built professional relationships by providing innovative solutions, efficient designs and exemplary client services.

Working with our clients, including the City of Pompano Beach, we have pioneered the concept of Continuing Design-Build contracts in south Florida.

Following we provide references from the Tri-County area. We welcome you to contact the following references to discuss our past performance and our on-going relationships. For many of our clients we have completed projects in multiple divisions of their respective organizations i.e., Water, Wastewater and Power.

Globaltech's References				
Name & Address of Company	**Contact Person**	**Phone Number**	**Date Services Provided: Start/End**	**Description of Work Performed and Cost**
pompano beach Florida's Warmest Welcome City of Pompano Beach Utilities Department 1205 NE 5th Avenue Pompano Beach, FL 33430	Phil Hyer, Utilities Treatment Plants Superintendent	954-545-7030	2016 - Present 2016 - 2018	Globaltech is providing repair and coating of various process and storage tanks and the chemical storage facilities at the City's Water Treatment Plant (WTP) and Reuse Plant including lime softener and GST coating rehabilitation. COST: $168K Globaltech provided engineering During Construction Services for the WTP acid tank coating services. We reviewed the coating specification to ensure that the appropriate standards, procedures and precautions are properly addressed. COST: $25K
City of Riviera Beach Utility District 600 W. Blue Heron Blvd. Riviera Beach, FL 33404	Dave Danford, Water Plant Superintendent	561-845-4051	11/16 - Present	Under various POs and contracts, Globaltech has or is currently completing various D/B Water Plant Improvements, Avenue U and Avenue C Repump Modifications, and Emergency Softener Renovations for the City of Riviera Beach. COST: $25K - $1M
Palm Beach County Water Utilities Department 8100 Forest Hill Blvd. West Palm Beach, FL 33413	Krystin Berntsen, P.E. Director, Engineering Division	561-493-6027	01/17 - Present	Approximately 100 DB projects spread over four three-year continuing D/B contracts, servicing 5 water and 4 wastewater treatment facilities, along with other countywide systems. Including WTP 11 Chemical Improvement project. COST: $10K - $2M

Globaltech's References				
Name & Address of Company	**Contact Person**	**Phone Number**	**Date Services Provided: Start/End**	**Description of Work Performed and Cost**
Coral Springs Improvement District 10300 NW 11th Manor Coral Springs, FL 33071	David McIntosh, Director of Utilities	954-796-6614	06/12 - Present	Approximately 180 continuing D/B contract and engineering consulting projects awarded, including Ammonia Sulfate Improvement project. COST: $10K - $2M
Seacoast Utility Authority 4200 Hood Road Palm Beach Gardens, FL 33410	Brandon Selle, PE, Capital Projects Administrator	561-627-2900 Ex.1316	10/14 - Present	Approximately 55 continuing D/B contract method and consulting engineering projects, including Chlorine System Improvement project, lift station upgrades, emergency generator installations, chemical feed system upgrades, and high service pumping improvements. COST: $50K - $2M
City of Lake Worth Beach Water Utilities 414 Lake Avenue Lake Worth, FL 33460	Brian Shields, P.E., Water Utility Director	561-586-1675	12/17 - Present	Globaltech's most recently awarded continuing D/B contract with a local utility. Five (5) D/B projects issued to date for water treatment and remote pumping and storage projects. COST: $100K - 1.6M
City of Boynton Beach Utilities 124 E. Woolbright Road Boynton Beach, FL 33435	Michael Low, Deputy Director of Utilities	561-742-6403	11/05 - Present	Approximately 30 engineering and 5 D/B projects including a clearwell reinforcing project at the East WTP. Recently awarded a D/B project for replacement of the East WTP generator facility. COST: $10K - $200K
City of Boca Raton 201 West Palmetto Park Road Boca Raton, FL 33432	Lauren Barack, CIP Manager	561-338-7329	05/11 - Present	Approximately 20 engineering projects including reuse filter rehabilitation and well modifications. COST: $10K - 187K

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TAB 6
Project Team Form

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PROJECT TEAM

RLI NUMBER E-23-20

Federal I.D.# 65-0577611

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	David Schuman, P.E.	28	BS, MS
Project Manager	Troy Lyn, P.E.	28	BS, MS
Asst. Project Manager	Paul Gandy, P.E.	35	BS
Other Key Member	Rick Olson, P.E.	32	BS, MS
Other Key Member	Tyler Davis, P.E.	30	BS

SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	KEITH, 301 E. Atlantic Boulevard, Pompano Beach, FL 33060	Michael Mossey, PSM
Landscaping	KEITH, 301 E. Atlantic Boulevard, Pompano Beach, FL 33060	Paul Weinberg, PLA, ASLA
Engineering Civil / Stormwater	KEITH, 301 E. Atlantic Boulevard, Pompano Beach, FL 33060	Alex Lazowick, P.E., PMP
Other Key Member Electrical/Programming	ADS Engineering PLLC, 4701 N. Federal Hwy #390 Pompano Beach, FL 33064	Alex Stojanovic, P.E.
Other Key Member Hydrogeology	Connect Consulting, Inc., 1907 Commerce Ln. Jupiter, FL 33458	James L. Andersen, PG
Other Key Member Structural Engineering	WGI, Inc., 2035 Vista Parkway West Palm Beach, FL 33411	Jeffrey Bergmann, P.E. Christopher LaForte, P.E.
Other Key Member		

(use attachments if necessary)

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TAB 7
Organizational Chart

A graphical depiction of our proposed organizational chart is shown below. David Schuman, P.E., of Globaltech, Inc., will be the primary contact for the City. David and the City project manager will develop preliminary project scopes and determine the respective disciplines needed for each particular project. David will then organize the specific project team based on the needs of that particular project.

A Globaltech employee will manage all the projects. Once the project manager is selected, all future correspondence with the City will go through them. Depending on the expertise required and availability, the Globaltech project managers will generally be David Schuman, P.E.; Paul Gandy, P.E.; Troy Lyn, P.E.; Tyler Davis, P.E.; or Rick Olson, P.E. All of these project managers are senior professional engineers with significant experience working on water/wastewater and associated facilities projects.

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TAB 8
Statement of Skills and Experience of Project Team

Globaltech will provide conceptual analysis, preliminary and final process/ mechanical design, permitting, bidding services, services during construction and overall project management. To support our staff, we have added four key subconsultants to our team:

- **ADS Engineering, Pompano Beach, FL** – *Electrical design and construction services, instrumentation and control, automation and process control services.*
- **KEITH, Pompano Beach, FL** – *Civil/stormwater engineering, landscaping and surveying services.*
- **Connect Consulting, Inc., Delray Beach, FL** – *Water resources planning, hydrogeological and permitting services.*
- **WGI Inc., West Palm Beach, FL** – *Structural engineering services.*

The Globaltech team is comprised of a group of design professionals that have direct, hands-on, and knowledgeable experience with the Scope of Services requested by the City. In particular, our team has been involved, both together and individually, in water projects involving shallow aquifer and Floridan aquifer raw water sources, ASR and recharge wells, concentrate disposal, membrane softening, nanofiltration, ion exchange, lime softening, disinfection/ chlorination, chemical feed and storage, water storage and pumping. Other pertinent project experience includes reuse filters (cloth and sand), injection wells, instrumentation, in-plant pumping and piping, emergency power, programming and control systems.

Team assignments are based on the individual's experience with the project requirements. In addition to their individual technical expertise, each of the team members shown has experience in project design, management, and execution; permitting; engineering services during construction; and start-up and operation. This team is built around the ability to provide efficient project delivery to the City. Where appropriate, this Team can take the City's projects from concept to completion using exclusively our in-house staff of engineers,

Team Capabilities

In developing the team for this proposal, an effort was made to include local firms, where possible. All of our team members are located in the Broward or Palm Beach Counties and two of them are located in the City of Pompano Beach. A summary of our team of firms and capabilities follows:

Globaltech, Inc.

Globaltech will serve as the Prime Consultant on the project. Our corporate office is located in Boca Raton, FL. Globaltech is an engineering and design-build company that provides consulting engineering, construction, procurement, and environmental related projects primarily for the water and wastewater utility industry. We have an extensive history as design professionals in water treatment facilities including lime softening and membrane water plants as well as wastewater/reuse facilities. Our staff has provided traditional consulting engineering and engineering services during construction and startup; engineering and construction services from concept to commissioning; and pure construction

services for these types of facilities. Many of the facilities that we have been involved with required continued operation of the existing facilities during construction.

Globaltech was established as a sole proprietorship in 1992 and was incorporated in 1995. Our professionals have provided state-of-the-art expertise and cost-effective solutions for industry, government agencies, and municipalities in the United States, the Caribbean and Latin America for water supply, water treatment, storage and distribution; wastewater treatment, storage and disposal; sludge storage, thickening and dewatering; reuse treatment, storage and distribution; and related systems such as odor control, chemical systems, fuel tanks and generators.

Globaltech holds the following professional licenses in the State of Florida:

- Florida Professional Engineering Business (COA7225)
- Florida Certified General Contractor (CGC1507230)
- Florida Certified Mechanical Contractor (CMC1249255)
- Florida Certified Plumbing Contractor (CFC1427843, as required for water treatment plant construction under Florida Statutes)
- Florida Underground Utility & Excavation Contractor (CUC1224907)

Our staff is comprised of seasoned design professionals experienced in the execution of projects that are as varied in complexity of scope and technical breadth as in the range of budgets allocated to those projects. Our project managers have served in various capacities on projects ranging from small efforts comprised of a core of only a few individuals with budgets less than $5,000 to large multi-discipline, multi-team projects with construction values in excess of $50,000,000.

Our specific capabilities include:

- Surface water and groundwater supply and transmission
- Water treatment – coagulation, lime softening, nanofiltration (membrane softening), low pressure (brackish) reverse osmosis, high pressure (seawater) reverse osmosis (RO), ion-exchange, and related facilities
- Potable water and effluent reuse storage, pumping, and distribution
- Concentrate and effluent disposal pumping system and deep injection wells
- Wastewater collection, pumping, and forcemain systems
- Wastewater treatment including conventional aeration, sequence batch reactor (SBR), and advance wastewater treatment
- Wastewater unit processes including grit removal, screening, process aeration, clarification, biosolids treatment and disposal, disinfection, and in-plant systems
- Reuse facilities including filtration (cloth and Parkson Dynasand filters),

storage and pumping, on-line monitoring and automated blending facilities
- Standby and Prime power generation
- Permitting
- Construction engineering and inspection services

Globaltech has a total staff of 47 including eight professional engineers degreed in the following disciplines:

- Paul Gandy, P.E. – Mechanical Engineer
- Troy Lyn, P.E. – Environmental Engineer
- David Schuman, P.E. – Civil/Environmental Engineer
- Bruce Rahmani, P.E. – Civil Engineer
- Rick Olson, P.E. – Civil/Geotechnical Engineer
- Tyler Davis, P.E. – Chemical Engineer
- Nico Shaner, P.E. – Electrical Engineer
- Dan Lauth, P.E. – Civil Engineer

In addition to our eight experienced engineers, our staff of 47 includes, six junior engineers, two construction project managers, two AutoCad technicians, a project scheduling manager, five administrative personnel, three construction superintendents, and 14 construction field staff.

ADS Engineering, Inc. (ADS)

ADS is located in Pompano Beach, Florida. ADS offers experience, expertise, and personalized service in electrical engineering design, control application programming, and construction management. Their electrical design services include power, control, instrumentation, telemetry, start up construction services and PLC/computer programming for many municipal agencies in South Florida, including the Coral Springs Improvement District, North Springs Improvement District, Palm Beach County Water Utilities Department, the East Central Regional Water Reclamation Facility and Sarasota County.

ADS' core business is electrical, instrumentation and control engineering, design, analysis, construction management and programming services in the water and wastewater industry. Their electrical system expertise includes normal and emergency power systems ranging from 120/208V to 15 kV; single and multiple emergency generator power systems (including paralleling); motor control including variable frequency drive implementation ranging from fractional horsepower to over 2000 HP; power system short circuit, device coordination and arc flash studies. Their control and instrumentation expertise includes PLC-based and relay-based control; control panel design; PLC and HMI programming; instrumentation application and specification; radio-based telemetry systems and communications protocol. Their project experience includes nanofiltration, reverse osmosis and seawater desalination water treatment plants; lime softening facilities; small, medium and large pumping stations; wastewater treatment plants; and storm water pumping facilities.

KEITH

Keith and Associates is located in Pompano Beach, FL, and was incorporated in 1998. KEITH has served as one of the City of Pompano Beach's civil engineering consultants for the past 13 years on a continuing basis. KEITH will provide civil/stormwater engineering, landscaping and surveying services for work performed under this contract. With a staff of 80, including five (5) field crews, KEITH has provided these services for municipal projects for Pompano Beach, Coconut Creek, Deerfield Beach, Fort Lauderdale, Parkland and Broward County.

KEITH's services include boundary, topographic, control, wetland, mitigation, route, aviation, bathymetric, Mobile LiDAR, GIS, GPS, as-built, American Land Title and coastal surveys, legal descriptions, right-of-way mapping, design base sheets, title review, DTMs, differential leveling, construction stakeout, platting, expert witness surveying, and mapping.

In addition, KEITH, a recognized leader in Subsurface Utility Engineering, provides accuracy of project designs and cost estimates by collecting and mapping underground utility data that was primarily unknown. KEITH also offers in-house landscape architecture design capabilities, and has an ISA certified arborist and certified landscape inspector.

Connect Consulting, Inc. (CCI)

CCI is a hydrogeological firm with offices in Jupiter and Lake Helen. CCI is dedicated to providing innovative and economical solutions for their clients hydrogeological and water resource planning issues. With a local office located in Delray Beach, CCI has been in business since 1996 and has worked with many municipalities and utilities throughout Florida. Globaltech has teamed with CCI on numerous projects involving surficial supply wells, Floridan supply wells, seawater supply wells, and disposal wells in Florida and the Caribbean.

CCI's ground water supply projects have ranged from preliminary well site selection to detailed wellfield design and construction, including aquifer testing and evaluation. CCI has extensive relevant experience related to the development and use of the Floridan Aquifer and surficial Aquifer wells to provide high-quality raw water for our client's needs. CCI has designed and installed over 300 Floridan Aquifer wells and countless surficial wells throughout Florida.

CCI has conducted well rehabilitation on more than 250 water supply wells throughout Florida. Their hands-on experience allows them to develop custom designed well rehabilitation methods to maximize the improvement in well efficiency or water quality. Their rehabilitation experience includes well and

pump evaluations, conducting geophysical logging and borehole television surveys, disinfection and acidization of screened and open-hole water wells, use of percussive techniques such as Air Burst, and use of casing liners to alleviate water quality and sand production issues.

WGI, Inc. (WGI)

WGI is a full-service, multidisciplinary consulting firm founded in 1972 to provide a comprehensive range of services. Today, WGI continues to uphold its tradition of incomparable service and passion for innovation through our team of highly skilled and experienced professionals. The firm is comprised of nearly 400 experienced professionals with a strong reputation for innovative and implementable high quality structural engineering, civil/municipal engineering, subsurface utility engineering, transportation planning and engineering, land planning, landscape architecture, environmental sciences, surveying and mapping, architecture, parking solutions, and creative services.

WGI's Structural Systems Group has been instrumental in the assessment and repair and upgrade of clearwell, reverse osmosis, and lime basin assessments for our municipal clients. A number of these projects have been delivered via Design-Build contracts. These services have entailed detailed site observation and mapping of observed structural deficiencies; assessment reports detailing the deficiencies and identification of the repair/replacement methods; repair methods including concrete spall/delamination repair specification and procedures; column jacket and built out walls where deficiencies were severe; estimated quantities and development of associated costs for rehabilitation; and mapping converted into construction documents with the use of developed mapping and photo documentation.

Other Project Resources

The team members we have assembled will be able to address most of the engineering issues as required. However, project specific needs may require additional expertise and can be added as needed with the City's approval. We typically bring on additional consultants where necessary for acoustical studies, local architecture, materials testing, and geotechnical services to maximize use of local firms and provide greater cost savings on individual projects. Additionally, we may use other technical experts to address issues relevant to process and engineering studies and designs. Globaltech maintains professional relationships with many of the industries' top companies and will draw upon their expertise as required by the specific project.

Relevant Experience

The City's RLI lists potential projects as being related to water treatment plant and/or reuse treatment plant modifications, enhancements or expansions. It also references the City's Capital Improvement Plan (CIP), which describes many specific projects that may be performed under this contract. We have reviewed the CIP, and understand the City's projects include: membrane element replacement, lime softening process rehabilitation, reuse distribution expansion, lime softening process rehabilitation, water treatment plant gravity thickener rehabilitation, water treatment plant nanofiltration plant expansion and process improvements, hurricane hardening for water plant facilities and several studies/master plans.

Based on our experience with similar facilities, other likely projects could include chemical system upgrades, instrumentation/programming modifications, steel and concrete structural repairs, demolition of abandoned facilities, generator and fuel storage enhancements, in-plant and extra-plant pump and piping modifications, membrane replacement/upgrade and security improvements.

Our team is very familiar with all of these types of projects as shown in our project descriptions. These are all typical projects that we have worked on for other utilities both as an engineer and as a contractor.

The following Summary Table shows projects worked on by either Globaltech or our team members within the last five (5) years.

Following the Summary Table, we provide selected Project Data Sheets from Globaltech and our team members.

Summary Table of Relevant Project Experience within the Past 5 Years				
Firm	Project Name	Type of Services Provided	Client/Owner	Project Budget
Globaltech	Pompano Beach 24" Filter Valve Replacement	Design-Build	City of Pompano Beach	$5,000
Globaltech	Pompano Beach WTP Acid Tank Coating Services	Engineering During Construction	City of Pompano Beach	$25,000
Globaltech	Master Pump Station Improvements	Design-Build	City of Lake Worth	$357,776
Globaltech	WTP Emergency Renovations of Softener No. 13	Design-Build	City of Riviera Beach Utility District	$1,172,036
Globaltech	CSID Hurricane Hardening Design Improvements for Stormwater PS 1 & 2	Design-Build	Coral Springs Improvement District	$40,667
Globaltech	HB EPCRA 2019 Assistance	Engineering	Town of Highland Beach	$1,500
Globaltech	WTP Sulfuric Acid Tank Inspection	Design-Build	Coral Springs Improvement District	$46,023
Globaltech	WTP 8 Ferric Line Replacement	Design-Build	Palm Beach County Water Utilities	$77,677
Globaltech	Facility-Wide Arc Flash & Protective Device Study	Design-Build	Coral Springs Improvement District	$89,145
Globaltech	RO Odor Control Scrubber Media Replacement	Design-Build	Fort Pierce Utility Authority	$27,933
Globaltech	Emergency NRCY 18" Repair	Design-Build	Seacoast Utility Authority	$14,396
Globaltech	Well 5 Re-Development	Design-Build	Coral Springs Improvement District	$73,006
Globaltech	Site 12 Canal Bank Stabilization Design & Construction	Design-Build	Coral Springs Improvement District	$331,164

Summary Table of Relevant Project Experience within the Past 5 Years				
Firm	Project Name	Type of Services Provided	Client/Owner	Project Budget
Globaltech	Energy Service Center Emergency Generator	Design-Build	Fort Pierce Utility Authority	$131,427
Globaltech	LS 73 & 143 Improvements	Design-Build	Seacoast Utility Authority	$162,424
Globaltech	Deep Injection Wells Mechanical (DIW MIT)	Design-Build	Coral Springs Improvement District	$123,436
Globaltech	Hurricane Hardening Condition PS 1 & 2	Engineering	City of Highland Beach	$28,180
Globaltech	N. Booster Pump Station	Design-Build	City of Lake Worth	$643,582
Globaltech	ATS Evaluation Repair	Design-Build	Coral Springs Improvement District	$171,230
Globaltech	Temp HSP Emergency	Design-Build	Coral Springs Improvement District	$ 69,950
Globaltech	DIW Dual Zone Monitor Well 4	Design-Build	Coral Springs Improvement District	$2,012,417
Globaltech	WTP 8 Anion Exchange	Engineering	Palm Beach County Water Utilities Department	$2,008,604
Globaltech	WTP 11 Phase 2 Improvements	Design-Build	Palm Beach County Water Utilities Department	$2,023,378
Globaltech	WTP 9 Permeate Flush	Design-Build	Palm Beach County Water Utilities Department	$2,119,025
Globaltech	Membrane Evaluation & Changeout	Engineering	Seacoast Utility Authority	$36,421
Globaltech	System Wide Safety Improvements	Design-Build	Palm Beach County Water Utilities Department	$937,845
Globaltech	Membrane Plant ORP Analyzer	Design-Build	Coral Springs Improvement District	$43,347
Globaltech	PGA WWTP Reuse Pump Stations Improvements	Design-Build	Seacoast Utility Authority	$287,719

Summary Table of Relevant Project Experience within the Past 5 Years				
Firm	Project Name	Type of Services Provided	Client/Owner	Project Budget
Globaltech	South Bay Water Storage Tank Improvements	Design-Build	Palm Beach County Water Utilities Department	$186,572
Globaltech	WTP 11 Odor Control Improvements	Design-Build	Palm Beach County Water Utilities Department	$1,990,448
Globaltech	WTP 11 Membrane Pilot Refurbishment	Design-Build	Palm Beach County Water Utilities Department	$241,898
Globaltech	Lift Station 13 & 17 Rehabilitation	Design-Build	Coral Springs Improvement District	$321,230
Globaltech	HR WTP Chlorine Storage Improvements	Design-Build	Seacoast Utility Authority	$645,835
Globaltech	Membrane Element Replacement for RO Plant	Design-Build	Coral Springs Improvement District	$168,999
Globaltech	WTP Fluoride Storage & Feed Improvements	Design-Build	Coral Springs Improvement District	$ 320,700
Globaltech	FPUA Henry Gahn WT Facility Permitting Rerating	Engineering	Fort Pierce Utility Authority	$252,250
Globaltech	Hood Rd. Repump Facility Sand Separator	Design-Build	Seacoast Utility Authority	$98,316
Globaltech	West Plant Process Evaluation	Engineering	City of Boynton Beach	$120,788
Globaltech	Ave. U Repump Modifications	Design-Build	City of Riviera Bch Utility Dist.	$397,002
Globaltech	NaOCl Tank Nos. 1&3 Replacement	Design-Build	Coral Springs Improvement District	$103,569
Globaltech	Margate Interconnect	Design-Build	Coral Springs Improvement District	$460,456
Globaltech	Chemical Storage Improvements	Design-Build	Fort Pierce Utility Authority	$150,868

Summary Table of Relevant Project Experience within the Past 5 Years				
Firm	Project Name	Type of Services Provided	Client/Owner	Project Budget
Globaltech	WTP Gravity Thickener Replacement	Design-Build	Fort Pierce Utility Authority	$1,100,703
Globaltech	WTP Hypochlorite Storage Tank	Design-Build	Fort Pierce Utility Authority	$48,562
Globaltech	WWTP Reuse Pump Station	Design-Build	Seacoast Utility Authority	$656,331
Globaltech	Lime Slurry/CO2 System	Engineering	Town of Highland Beach	$266,262
Globaltech	RW Pipeline SDC	Engineering	City of Boynton Beach	$311,250
Globaltech	Clearwell Repairs	Design-Build	City of Boynton Beach	$350,753
Globaltech	Membrane Train Conv Valve	Design-Build	Coral Springs Improvement District	$74,122
Globaltech	Degasifier Cleaning System	Design-Build	Coral Springs Improvement District	$68,627
Globaltech	Replacement Well W-1R, Ft. Pierce, FL	Design-Build	Fort Pierce Utility Authority	$388,050
Globaltech	WTP 3 Chemical Improvement	Design-Build	Palm Beach County Water Utilities	$725,525
Globaltech	HSP 2, 3 & 7 Replacements	Design-Build	Seacoast Utility Authority	$150,423
Globaltech	Generator Exhaust Modifications	Design-Build	Seacoast Utility Authority	$126,026
Globaltech	WTP Chemical Tank Installation	Design-Build	Seacoast Utility Authority	$155,635
Globaltech	HR WTP Acid Inj. Quill/Vault	Design-Build	Seacoast Utility Authority	$124,960
Globaltech	PGA WWTP Odor Control Improvements	Design-Build	Seacoast Utility Authority	$224,369
Globaltech	12" Water Main Interconnect to PB	Engineering	Utility Services Department, City of Boca Raton	$27,659
Globaltech	Wells 4 & 7 Construction	Design-Build	Coral Springs Improvement District	$963,946

Summary Table of Relevant Project Experience within the Past 5 Years				
Firm	Project Name	Type of Services Provided	Client/Owner	Project Budget
Globaltech	4-Log Demonstration Permitting	Engineering	Coral Springs Improvement District	$8,030
Globaltech	High Service Pumps 5 & 6 Replacement	Design-Build	Coral Springs Improvement District	$26,078
Globaltech	WTP Softener 2 Rehabilitation	Design-Build	Fort Pierce Utility Authority	$1,198,324
Globaltech	Master Meter Replacement & 12"	Design-Build	Fort Pierce Utility Authority	$244,865
Globaltech	Filters 6-10 Rehab	Design-Build	Fort Pierce Utility Authority	$2,915,000
Globaltech	High Service Pump #4	Design-Build	Fort Pierce Utility Authority	$448,454
Globaltech	Production Well S-8R	Design-Build	Fort Pierce Utility Authority	$ 393,754
Globaltech	Degasifier Dampener Replacement	Design-Build	Fort Pierce Utility Authority	$78,415
Globaltech	Lime Silo Rehabilitation	Design-Build	Fort Pierce Utility Authority	$276,000
Globaltech	WTP 2 MIEX Regen Mods WA-28	Design-Build	Palm Beach County Water Utilities	$919,451
Globaltech	WTP 11 Degasifier & Clearwell Impr.	Design-Build	Palm Beach County Water Utilities	$1,203,237
Globaltech	WRWWTF Power Improvements	Design-Build	Palm Beach County Water Utilities	$811,498
Globaltech	RO Clearwell Modifications	Design-Build	Seacoast Utility Authority	$189,279
Globaltech	Lift Station 54 Generator Replacement	Design-Build	Seacoast Utility Authority	$218,042
Globaltech	RO Membrane Replacement	CON	Town of Highland Beach	$138,000
Globaltech	Well 17W SDC	Engineering	Utility Services Department, City of Boca Raton	$46,239
Globaltech	Clearwell Evaluation	Engineering	City of Boynton Beach	$53,314

Summary Table of Relevant Project Experience within the Past 5 Years				
Firm	Project Name	Type of Services Provided	Client/Owner	Project Budget
Globaltech	DIW Pump Modifications	Design-Build	Coral Springs Improvement District	$125,116
Globaltech	WWTP Influent Screen Replacement	Design-Build	Coral Springs Improvement District	$314,883
Globaltech	Comprehensive Well Reliability Evaluation	Engineering	Coral Springs Improvement District	$59,090
Globaltech	42" Valve Replacement	Design-Build	Fort Pierce Utility Authority	$296,763
Globaltech	Sulfuric Acid System	Design-Build	Fort Pierce Utility Authority	$244,397
Globaltech	WTP 8 Filters 1-3	Design-Build	Palm Beach County Water Utilities Department	$491,851
Globaltech	WTP 3 Chemical Improvements	Design-Build	Palm Beach County Water Utilities Department	871,853
Globaltech	WTP 11 Membrane Feed Pump VFD	Design-Build	Palm Beach County Water Utilities Department	$387,181
KEITH	Pompano Beach Continuing Contracts	Civil engineering, surveying, SUE, landscape arch.	City of Pompano Beach	varies
WGI	Western Region Operations Center	Structural engineering design & construction phase services	Palm Beach County Water Utilities	$80,000.00
ADS	FKAA Stock Island Seawater Treatment Plant - Well Pumps	Electrical and instrumentation design	Florida Keys Aqueduct Authority, FL	$18,000
ADS	Babcock Ranch Communities Water and Wastewater Systems	Design for electrical, instrumentation and control systems	MSKP Town and Country Utility, Babcock Ranch, FL	$725,525
CCI	Wellfield Evaluation Peele-Dixie Wellfield	Hydrogeologic consulting	City of Ft Lauderdale, FL	$19,500

Pompano Beach 24" Filter Valve Replacement

City of Pompano Beach / Pompano Beach, FL

As a design-build contractor, Globaltech was responsible for replacing a 24" filter influent valve at the Pompano Beach Water Treatment Plant (WTP).

One of the pneumatically-operated 24" filter influent valves would not seal tight and had to be replaced. Installation of the new valve required that the lime plant had to be shut down, so the installation had to be performed in one day. The City pre-purchased the new valve, dresser coupling and appurtenances.

Due to the tight work quarters, difficulty in removing the valve and fittings, and the need to complete the work in one day, the City contracted with Globaltech, Inc. to install the new valve. Prior to installation of the new valve, our engineers visited the site to review the valve installation requirements and work with plant staff as to best shut down the lime plant facilities and quickly drain down the water.

We worked with plant staff to recommend installation of a reducer and valve on the filter influent piping, inside the filters. These items were installed by plant staff prior to the valve installation.

The valve was successfully replaced and the existing pneumatic operator was re-installed on the new valve within one day.

Project Achievements / Benefits

- This small project was completed in one day, under tight work quarters.

Client Contact

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Utilities Treatment Plants Superintendent
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Project Timeframe

1 Day
Completed February 2015

Project Cost

$5,000

Our Role

Design-Builder

PBCWUD WTP 11 Odor Control Improvements

Palm Beach County Water Utilities Department / Belle Glade, FL

At Palm Beach County Water Utilities Department (PBCWUD) Water Treatment Plant (WTP) 11, hydrogen sulfide was stripped from the treated water using degasifiers and blowers, producing a hydrogen-sulfide-laden exhaust air stream that was sent to a chemical odor scrubber. The scrubber was capable of removing 90% of the hydrogen sulfide gas before the air stream was released to the atmosphere.

PBCWUD wanted to replace the existing chemical odor scrubber with a biological odor scrubber to remove more hydrogen sulfide gas, improve odor, increase safety, and decrease maintenance. Under a continuing design-build services contract, PBCWUD retained Globaltech to design, permit, procure, and construct the improvements.

The new biological odor scrubber system included three larger replacement blowers, two BioAir odor scrubber towers, two irrigation booster pumps, nutrient tank, nutrient feed pumps, and ductwork modifications to connect the new biological scrubbers to the existing degasifiers. The new biological odor scrubber system removes 99 % of the hydrogen sulfide from the exhaust air. And whereas the chemical scrubber system required the use of a hazardous chemical (sodium hydroxide), the biological scrubber requires only a non-hazardous nutrient feed similar to plant food.

Project Achievements / Benefits

- Substantial reduction of odor at the plant and surrounding areas
- Improved plant safety
- Reduced maintenance associated with sodium hydroxide storage and feed equipment
- In addition to the new scrubber system, Globaltech designed and installed a dedicated lift station for the scrubber's waste stream, which turned out to be low pH and very corrosive to the plant's process concrete wetwell and lift station pumps. The new, corrosion-proof lift station contains an Armorock wet well.

Client Contact

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Project Timeframe

Completed February 2019

Project Cost

$1,990,448

Our Role

Design-Builder

Boynton Beach West Plant Process Assessment

City of Boynton Beach / Boynton Beach, FL

Under a general consulting services agreement with the City of Boynton Beach, Globaltech was retained to conduct a process evaluation of the 24-year-old West Water Treatment Plant (WTP) that utilizes membrane softening (nanofiltration). The desk-top study scrutinized all aspects of treatment including pretreatment (antiscalant, cartridge filtration), membrane process (feed pumps, membrane skids), and post-treatment (degasifiers and chemical scrubbers) to determine if enhancements or changes in processes should be made. The evaluation focused in particular on replacing the existing membrane elements, which had been in service for 13 years, and eliminating dependence on sulfuric acid.

In a unique partnership, the assessment was conducted by the University of Central Florida (UCF) Drinking Water Research Group and resulted in a Master's Thesis. Globaltech was the City's point of contact and provided technical review and oversight for the project.

Project Achievements / Benefits

Several recommendations were developed as part of the assessment and included the following.

- Complete elimination of sulfuric acid is feasible; however, modifications to post-treatment methods may be required because of secondary pH increases in the permeate water, affecting the optimal stripping of hydrogen sulfide. The study recommended further evaluation of alternative scale inhibitor formulations to provide an increased level of protection against scaling under acid-free feed flow conditions.
- Several viable membrane replacement options are available to rehabilitate the membrane process, including various configurations of newer membrane elements.
- Overall, the data collected and desk-top evaluations performed gave the City of Boynton Beach scientifically valid reasons for proceeding with pilot studies and/or making changes at their plant.

Client Contact

Michael Low
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Project Timeframe

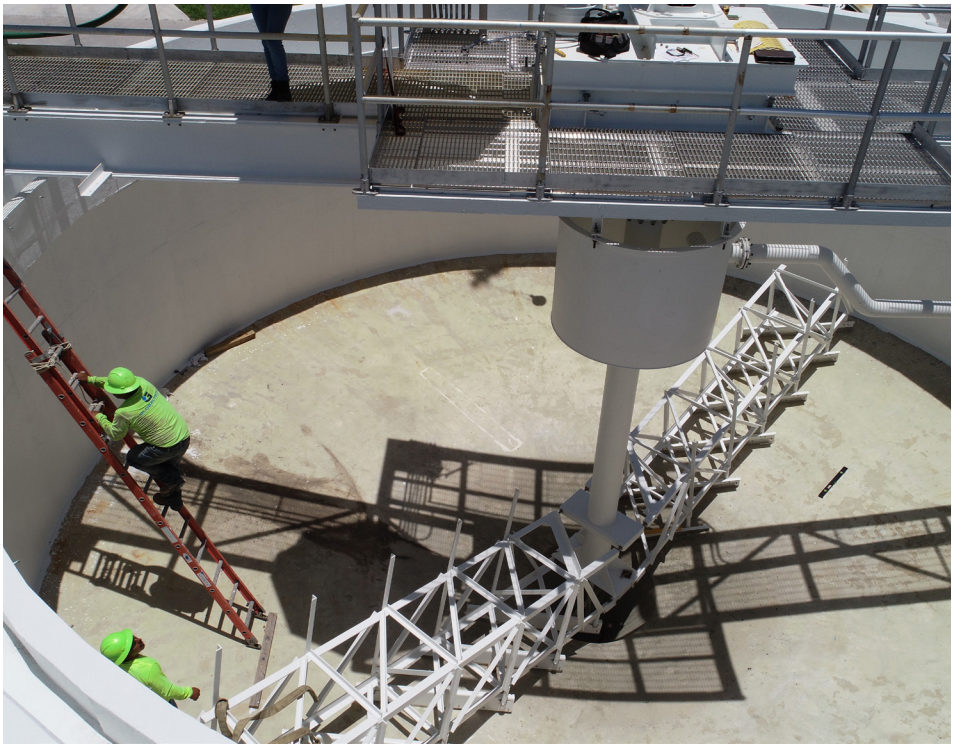
16 months
Completed April 2018

Project Cost

$120,787

Our Role

Consulting Engineer



FPUA WTP Gravity Thickener Mechanism Replacement

Fort Pierce Utilities Authority / Fort Pierce, FL

The rake arm mechanism inside the lime sludge gravity thickener tank at the Fort Pierce Utilities Authority (FPUA) water treatment plant (WTP) became inoperable and needed to be replaced. FPUA hired Globaltech under a continuing design-build services contract to replace the mechanism and implement several improvements to related equipment.

The project included design and construction of an emergency temporary dewatering/thickening system to continue the plant's lime sludge thickening operation while the new rake arm was manufactured, delivered, and installed. The temporary system consisted of two 21,000-gallon rental weir tanks operated in parallel with gravity thickener influent lines running to the tanks and the discharge routed into the gravity system of the FPUA wastewater conveyance system. The sludge was pumped out of the bottom of the weir tanks using FPUA's existing pumps.

Inside the gravity thickener tank, Globaltech removed the original rake arm mechanism and installed the new carbon steel mechanism, drive and motor; mounted a new control power panel to the new walkway-supported stanchions; and painted the new thickener mechanism with two coats of NSF epoxy. The existing walkway was extended and enlarged to accept the new drive.

Other work included installing two new centrifugal self-priming (trash) pumps with variable frequency drives (VFDs) on the thickened sludge pump station slab; replacing the wooden canopy over the slab with an aluminum canopy; modifying and/or replacing piping; and performing concrete crack and spall repairs on the gravity thickener.

Project Achievements / Benefits

- Designed, procured and installed an emergency dewatering system within 45 days
- Installed a sludge level detector inside the gravity thickener

Client Contact

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Project Timeframe

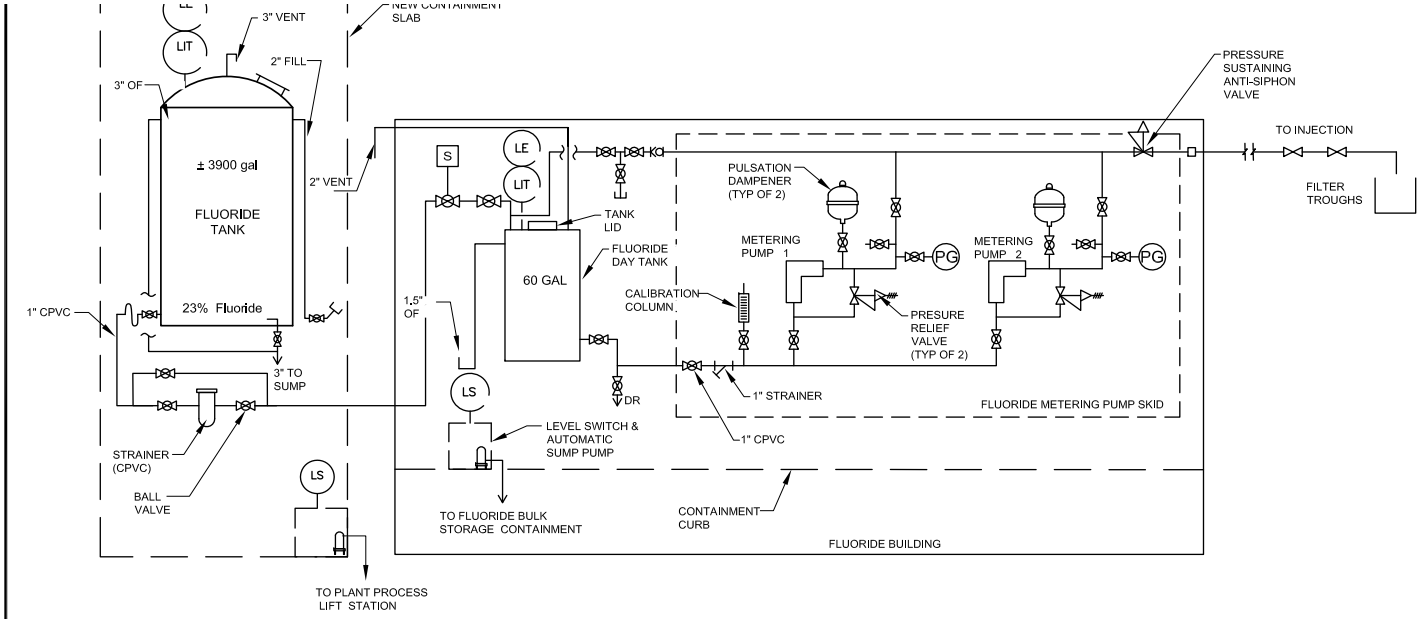
15 months
Completed September 2018

Project Cost

$1,100,703

Our Role

Design-Builder



Boynton Beach Fluoride Grant Application

City of Boynton Beach / Boynton Beach, FL

The City of Boynton Beach operates two water treatment plants—East and West—that share a common distribution system. Both plants had fluoridation equipment in the past, but the systems were taken offline for various operational reasons. In 2018, the City decided to submit a grant application to the Florida Department of Health's Public Health Dental Program to install new fluoridation equipment at both the East and West plants.

Under a continuing engineering services contract, the City hired Globaltech to prepare a conceptual design, estimate of cost, and project schedule that could be used by the City in their grant application.

Project Achievements / Benefits

Globaltech prepared and delivered a complete Conceptual Design Report containing the following for both the East and West water treatment plants:

- Process flow diagrams
- Equipment sizing and layout recommendations based on state requirements
- General specifications for fluoride monitoring and safety equipment
- Estimated capital costs of installing the required fluoridation equipment
- A schedule for the proposed project

Client Contact

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Utility Director
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Project Timeframe

1 month
Completed September 2018

Project Cost

$23,760

Our Role

Consulting Engineer

FPUA WTP Lime Softener No. 2 Rehabilitation

Fort Pierce Utilities Authority / Fort Pierce, FL

Lime Softener No. 2 at Fort Pierce Utility Authority's (FPUA) water treatment plant was nearly 35 years old and in need of significant rehabilitation. Globaltech had successfully refurbished the plant's other lime softener (No. 1) two years earlier. With Softener No. 1 running at full capacity, No. 2 could now be taken down for rehabilitation—and Globaltech was again selected to be the design-build contractor.

The 10 MGD Softener No. 2 consisted of steel-skirt Accelator internals located in a circular steel tank. Specific items that were replaced included:

- New gearbox and drive
- New 30 HP variable-speed motor
- New recirculation and blow down pumps
- New potable water service station
- New spray wash piping and nozzles
- New electrical and controls

Globaltech replaced and/or reinforced large sections of the steel walls; replaced all the radial launders; made large-diameter influent, discharge and drain piping modifications, and completely replaced all small diameter water and chemical lines. We also installed a concrete trench for running chemical lines, and installed a new 4-foot-square exterior opening that required significant plate-reinforcing of the exterior wall.

Project Achievements / Benefits

- During the course of construction, it was determined that the existing tank drain line was incorrectly piped, and it had to be corrected immediately in order to keep the plant producing water. Globaltech placed an emergency order for the materials and performed the repair work during an overnight shutdown to meet the Owner's schedule.
- After repairing deteriorated portions of the steel structures, Globaltech performed abrasive blasting and coating with an NSF 61 epoxy. All blasting and painting operations were tented to protect adjacent facilities.

Client Contact

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Project Timeframe

27 months
Completed September 2016

Project Cost

$1.2 million

Our Role

Design-Builder

Highland Beach Reverse Osmosis Membrane Replacement

Town of Highland Beach / Highland Beach, FL

Globaltech won a competitive bid for this project, which involved replacing 168 reverse osmosis (RO) membranes in Train A at the Town of Highland Beach's water treatment plant. Our responsibilities included:

- Removing and properly disposing of all 168 existing membranes
- Purchasing replacement membranes and new O-rings, gaskets, fasteners, endcaps and other expendables
- Installing the new membrane elements
- Assisting Town staff in disinfecting the element housings and other components per Florida Department of Environmental Protection (FDEP) requirements
- Returning Train A to service and troubleshooting until the train was fully functional

Project Achievements / Benefits

- Under the original contract, the Town had requested the use of a 20mg/L chlorine solution for membrane vessel cleaning. Globaltech proposed an alternative cleaning procedure using Sodium Metabisulfite solution, which was recommended by the membrane manufacturer, at no additional cost to the Town.

Client Contact

Edward Soper
Public Works Director
Town of Highland Beach
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Highland Beach, FL 33487
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Project Timeframe

3 months
Completed July 2016

Project Cost

$138,000

Our Role

Consulting Engineer

PBCWUD WTP 11 Degasifier & Clearwell Improvements

Palm Beach County Water Utilities District / Belle Glade, FL

In 2014, an engineering consultant's evaluation found that systems related to post-treatment of the reverse osmosis permeate at Water Treatment Plant (WTP) 11 needed modification in order to provide stable, high quality finished water.

In response, Palm Beach County Water Utilities Department (PBCWUD) assigned Globaltech, under a continuing design-build services contract, to design and construct a series of changes to the configuration, components, and arrangement of the existing clearwell and post-treatment systems.

These changes included:

- Expanding the blower enclosure filter area and installing new filters with finer media for three existing blower enclosures
- Modifying the existing sodium hypochlorite feed lines at the degasifier clearwell
- Installing two new booster pumps with variable frequency drives (VFDs) for the carrier water system of the existing carbon dioxide feed system
- Installing mechanical mixers in two clearwell sections to assist in the dilution of liquid lime feed to increase hardness and pH
- Installing two sample points for free chlorine monitoring for the Groundwater Rule 4-log virus treatment prior to ammonia addition
- Replacing degasifier packing in the two existing degasifier towers

Project Achievements / Benefits

- In general, this project helped improve the operation of the degasifiers and clearwell post membrane treatment.
- The existing degasifier media was fouled. Replacing degasifier packing restored the degasifier flow and hydrogen sulfide removal efficiency.
- Utilizing a finer filter helped in keeping the degasifier packing clean.
- The mechanical mixers and modifications to the liquid lime injection points provided better pH adjustment and calcium addition.

Client Contact

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Project Timeframe

15 months
Completed September 2016

Project Cost

$1,203,237

Our Role

Design-Builder

FPUA Filter Rehabilitation

Fort Pierce Utilities Authority / Fort Pierce, FL

The 10 existing sand filters at FPUA's Lime Softening Plant were between 35 and 53 years old and had never been rehabilitated. Globaltech was retained as a design-build contractor to completely refurbish the filter facilities with new sand/anthracite filter media; new surface wash piping, nozzles, and agitator arms; two new 125 HP variable speed backwash pumps; and electrically actuated valves to replace the original pneumatic valves.

A key part of the project was replacing the underdrain wheeler balls in three filters and drilling out the orifice holes in the Leopold clay tile underdrains in the remaining filters. Globaltech also installed a new control system and associated electrical and instrumentation. Filter walls were abrasive-blasted and coated with an NSF-approved epoxy coating.

Significant concrete repair work was performed on the filters, including crack injection and spall repair, while several deteriorated wall pipes had to be cut out, replaced and recast in the concrete.

Project Achievements / Benefits

- Globaltech performed a thorough inspection of the sand filter operation before starting design. The inspection uncovered additional age-related deficiencies that Globaltech addressed during design and corrected during construction.
- Close coordination of all activities with FPUA staff enabled Globaltech to keep half of the facilities operational while construction progressed—a important requirement of the project.
- Globaltech's overhaul brought the operation back to peak efficiency, improving the water quality and decreasing the cost of maintenance.

Client Contact

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Project Timeframe

Phase 1, Filters 1 - 5: 19 months
Phase 2, Filters 6 - 10: 24 months
Completed October 2016

Project Cost

$5.7 million

Our Role

Design-Builder

CSID Well 9 Redevelopment

Coral Springs Improvement District / Coral Springs, FL

Production Well 9 is one of 11 wells supplying raw water to Coral Springs Improvement District's (CSID) water treatment plant. Globaltech completed a comprehensive wellfield reliability evaluation for CSID in 2015, and subsequently replaced Well 9's pump. But by 2018, changing geologic conditions had caused the well's capacity to decline to about 60% of original capacity—and under a continuing design-build contract with CSID, Globaltech was asked to redevelop the well.

Globaltech contracted with a professional hydrogeological consultant (Connect Consulting, Inc.) to oversee and direct Well 9's redevelopment. A licensed drilling contractor was hired to disassemble the wellhead, mechanically scour the casing, perform high rate development, and chemically treat the well to improve its performance. Following redevelopment, the subcontractor replaced the existing pump and motor with a new 50 HP motor and pump (supplied by the Owner); sand blasted and primed the well flange; and installed a new port to allow the owner to launch a video camera without disassembling the wellhead.

Project Achievements / Benefits

- As directed by the field hydrogeologist, the well drilling subcontractor conducted over 60 hours of airlifting and high rate pumping to fluidize and clean the gravel pack.
- Settling tanks were used to separate sand and other debris liberated from the well discharge water prior to its ultimate discharge into Canal L-105.
- A 3-step drawdown test was conducted to confirm that water production (flow) and water quality (sand production) were within acceptable levels. Specific capacity values increased from 12.3 gpm/ft @ 550 gpm to 30 gpm/ft at 950 gpm. This improvement returned the well to near its original capacity.
- Coordination and proactive communication with residents of an adjacent apartment complex facilitated site access and prevented jobsite complaints.

Client Contact

Joe Stephens
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Coral Springs Improvement District
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Coral Springs, FL 33071
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Project Timeframe

3 months
Completed May 2018

Project Cost

$70,304

Our Role

Design-Builder

FPUA Wellfield Improvement Program

Fort Pierce Utilities Authority / Fort Pierce, FL

The Fort Pierce Utilities Authority (FPUA) maintains multiple raw water supply wellfields located throughout its service area and operates a combination of both surficial and Floridan aquifer wells connected by a network of raw water mains. In a continuing effort to improve the reliability and quantity of raw water supply to its water treatment facility, FPUA in 2005 began a series of well improvement and replacement projects.

RAW WATER SUPPLY WELLS INCLUDED IN THIS PROGRAM

Well 1R, replacement with new well
Well 2R, replacement with new well
Well 3W, new well and wellhead
Well 4W, new well and wellhead
Wells N15, N16, and N19R, replacement with new well
Wells N18R & N21R, well replacement
Well 8S, well replacement with new wellhead
Well 9S, well replacement with wellhead
Floridan Wells FA7 & FA9, new wells and wellheads

Through the course of several consecutive design-build contracts, Globaltech has provided a full suite of services to SUA as the Prime Design-Build contractor for wellfield improvements.

Services have included:

- Hydrogeological evaluation of existing wells for improvement strategies
- Site study and design for new replacement wells
- Raw water system network modeling for proper pump selection and design
- Complete wellhead design and construction
- Aquifer performance testing (APT) for well location and capacity analysis
- Installation of new wells including drilling services and well testing
- Power, SCADA, and control panel replacements and new construction
- Full permitting services involving:
  - Building Department
  - FDEP (including sanitary survey)
  - SFWMD
- Pump/column pipe installation and startup/testing services
- Well abandonment and plugging

Client Contact

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Project Timeframe

2005 - 2017
Completed March 2017

Project Cost

Total of all projects: $2.9 million

Our Role

Design-Builder

Boca Raton Well 17W Rehabilitation

City of Boca Raton / Boca Raton, FL

The City of Boca Raton sought to modify 25 of its raw water wells because the wells' blow-off piping terminated directly into canals or storm drains and could become submerged when the canals or drains became full. The City also wanted to raise many of the well heads to bring them above the 100-year flood elevation, offering more protection in high-water situations.

To start the planning, the City decided to modify one well as a demonstration for eventually addressing deficiencies in the other 24 wells. Globaltech was hired under a continuing engineering services contract to:

1. Investigate all 52 of the City's raw water wells, compiling blow-off piping and elevation information.
2. Help the City select an appropriate demonstration well.
3. Conduct mechanical, electrical, and controls engineering for rehabilitating and modifying the demonstration well (Well 17W).
4. Obtain permits, prepare bid drawings/specs, and provide general oversight of the chosen contractor during construction.

Project Achievements / Benefits

- Project work included demolishing the existing Well 17W wellhead and piping along with the vaults that housed the piping and existing flow meter. The wellhead was modified to bring it above grade and meet the 100-year flood elevation.
- New pipe and appurtenances were installed along with a block-and-bleed valve arrangement to satisfy County health department cross connection requirements. The well was also brought into compliance with additional current regulations and standards for raw water production wells.
- A new 1400 GPM pump and 50hp motor were installed with new well column piping to ensure raw water production would not decrease. The 50hp pump is powered via a new variable frequency drive (VFD) located at the well site.
- Electrical and control system modifications were included with the work to account for the additional loading and technology.

Client Contact

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Engineering Manager
Utility Services Department
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Project Timeframe

2014 to mid-2016
Completed May 2016

Project Cost

Engineering fee: $96,231
Construction award: $380,000

Our Role

Consulting Engineer
Engineering Services During Construction

PBCWUD WTP 3 Chemical Improvements

Palm Beach County Water Utilities Department / Delray Beach, FL

In 2016, Palm Beach County Water Utilities Department (PBCWUD) identified several improvements needed for the pipes and pumps supplying chemicals at Water Treatment Plant 3. A trench carrying sulfuric acid piping across a roadway near the chemical containment area had partially collapsed due to deterioration and truck traffic. Pumps and piping inside the caustic room, where liquid sodium hydroxide was stored and distributed, were aging and in need of replacement. So was the sodium hypochlorite piping that led from the chemical trench to Odor Scrubber No. 2.

Under a continuing design-build services contract, PBCWUD hired Globaltech to design and construct the necessary improvements. The work included:

- Building a new H-20 rated chemical trench parallel to the partially collapsed existing trench under the roadway. To ensure strength and safety, the new trench had a minimum 28-day compressive strength of 4,000 psi. Trench covers and frames were rated for 40-ton traffic loads.
- Replacing all caustic piping routed from the two caustic tanks to the caustic pump room, and from the caustic pump room to the injection points for the plant's two clearwells and two odor scrubbers.
- Installing five new caustic pumps along with all piping and appurtenances, and replacing the vent stacks with vent pipe.
- Replacing the sodium hypochlorite piping from the chlorine pump room to Odor Scrubber No. 2.

Project Achievements / Benefits

- For this project, Globaltech procured Fibrelite trench covers, which are extremely lightweight compared to typical steel trench covers and have excellent corrosion resistance.
- For the replacement piping, Globaltech used the Chem Proline piping system, a fused product that offers great strength and leak resistance (no glue joints and no threaded connections).

Client Contact

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Director, Engineering Division
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Project Timeframe

15 months
Completed November 2017

Project Cost

$725,525

Our Role

Design-Builder

PBCWUD WRWWTF Power Improvements

Palm Beach County Water Utilities Department / Belle Glade, FL

The existing 300-kilowatt emergency back-up generator and main switchboard inside Generator Building No. 1 at the Western Regional Wastewater Treatment Facility (WRWWTF) had both surpassed their reliable life spans and needed to be replaced. Under a continuing design-build contract, Palm Beach County Water Utilities Department (PBCWUD) hired Globaltech to design, permit, and install a new generator system.

The project included removing and recycling the old generator and main switchboard from Generator Building No. 1, then sealing and insulating the building, installing air conditioning to provide a temperature-controlled environment, installing a new main switchboard, and upgrading other electrical controls.

The new generator system included a new 500 kW diesel-engine generator with an integrated noise-attenuating aluminum enclosure mounted on top of a 4,500-gallon belly fuel tank.

Project Achievements / Benefits

- The small existing generator (circa 1982) could not power all loads connected to the main switchboard (MSB-1). The new generator is capable of supplying emergency power to all the connected loads plus expected future loads.
- The new stand-alone generator sits on a reinforced concrete slab built on auger-cast piles due to poor soil conditions.
- During the project, Globaltech minimized facility downtime by performing some of the work at night.
- Globaltech coordinated with Florida Power & Light to replace the 40-year-old transformers.

Client Contact

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Project Timeframe

12 months
Completed September 2016

Project Cost

$811,498

Our Role

Design-Builder

KEITH
Engineering Inspired Design.

pompano beach SM
Florida's Warmest Welcome

Pompano Beach Continuing Contracts

Pompano Beach, FL

KEITH is currently providing general engineering services to the municipality on an as needed basis on this ongoing continuing services contract. KEITH has served as the General Engineering Consultant for the City for over 16 years.

Some of the projects provided under this contract include:

- SE 8th Court Bridge Replacement
- Municipal Reclaimed Water Main Design
- Pompano Beach Sidewalk Construction Program
- Harbor Drive Beautification and Roadway
- Improvements
- Municipal golf course, cemetery, dog park and pier
- renovations
- Branch library renovations
- Oceanside Fire Station No. 11
- NE 4th Street Reuse Water Line Expansion
- Condition Assessments for Various City Owned
- Buildings and Facilities
- Pompano Beach Boulevard Water Main Design
- Municipal Chiller Plant
- Fire Station No. 103 Design
- SW 36th Avenue Sidewalk and Pedestrian Bridge
- Founders Park
- Pompano Air Park Maintenance Building Design

KEITH is currently providing general surveying and mapping services to the municipality on an as-needed basis on this ongoing continuing services contract. KEITH has served as the General Surveying Consultant for the City for over 16 years.

Some of the projects provided under this contract include:

- South Cypress Road and SE 15th Court Intersection
- Design Survey
- • Pompano Beach branch library Topographic Survey
- • Utility Casting Federal Highway Design Survey
- • SR A1A Survey and Subsurface Utility Engineering services from Hillsboro Blvd to Terra Mar Drive
- City Hall and Public Safety Building

Project Timeframe

2002 - Ongoing

Our Role

Engineering/Surveying/Mapping

Western Region Operations Center

Palm Beach County, FL

WGI provided structural engineering design and construction phase services for Palm Beach County's Western Region Operations Center (WROC). The Western Operation Center serves the Belle Glade, Pahokee, and South Bay area in Palm Beach County.

The building consists of two 10,000-square foot pavilion structures which provide covered storage for portable generators, material and equipment laydown areas. The Center also includes a 16,337-square foot warehouse administration and repair shop, of which 8,680 square feet is warehouse; and a 2,600-square foot generator building.

The buildings are designed to Risk Category III/IV with ultimate wind speeds of 180 mph and are constructed with reinforced masonry walls, concrete tie columns and beams, steel joist/ structural steel roof framing members and steel roof deck.

The shop buildings include a two-ton bridge crane supported from the roof structure and the pump wash section of the building includes a two-ton underslung monorail hoist.

Project Timeframe
2015 - 2017

Project Cost
Design $80K
Construction $9.9M

WGI Role
Structural Engineer

Babcock Ranch Communities Water and Wastewater Systems

MSKP Town and Country Utility / Babcock Ranch, FL

ADS Engineering provided design for the electrical, instrumentation and control systems for Water Treatment Plant (WTP) and Wastewater Facility (WRF). The whole project has been organized in two phases. Phase 1 covered water treatment facility and small wastewater facility, while Phase 2 required redesign of the existing Phase 1 wastewater plant and addition of several wastewater process systems.

Water treatment facility is based on two RO trains with clearwell odor treatment and pertaining chemical dosing systems. Wastewater facility in Phase 1 is mainly comprised of several package systems organized around sequencing batch reactor (SBR) system and several pertaining chemical systems.

The following systems were added:
Design for the Phase 2 included the following:
WTP:

- New well,
- New WTP 500kW emergency diesel generator
- CO2 system
- Surge system
- Ion Exchange system
- New odor system
- Chemical storage
- New transfer pumps are added
- High service pumping system modified with upsized and new pumps
- Project also included site lighting, security access and lift stations

WRF:

- WRF Operations and Electrical Building
- New WRF 900kW emergency diesel generator
- Preliminary treatment system with fine screens
- Wastewater facility redesigned from SBR to biological process system
- Membrane Bioreactor (MBR) packaged system with pertaining aeration blowers.
- New Chlorine Contact Tank
- New chemical systems
- New Sludge Holding Tank and pumping system

ADS Engineering designed the one line diagrams for the 480 V distribution to the equipment, performed equipment sizing and electrical room layout.

ADS Engineering created the electrical section of the specifications defining requirements for installation, grounding, emergency diesel generator purchase, and equipment purchase. ADS Engineering also provided lighting design for the WRF Operations and Electrical building.
ADS Engineering provided the control system architecture, selected field instrumentation and plant PLC communications. ADS Engineering developed the specifications for PLC equipment, software and field instruments.

Project Timeframe

July 2016 - Ongoing

Project Cost

$725,525

ADS Role

Electrical, Instrumentation and Control Systems Design

CCI Connect Consulting, Inc.
Water Resource Consultants

Wellfield Evaluation Peele-Dixie Wellfield

City of Fort Lauderdale, FL

Connect Consulting, Inc. (CCI) provided hydrogeologic consulting services to the City of Ft Lauderdale (City). The purpose of this project was to evaluate the water quality and performance of the City's Biscayne aquifer production wells in the Peele-Dixie wellfield. The water from some of the City's wells was affecting the performance of the membranes at the Peele-Dixie Water Treatment Plant (WTP), a nanofiltration plant with a 12 MGD design capacity (four membrane system trains that produce three MGD each), located in Ft Lauderdale. Specifically, elevated levels of iron and/or iron-related bacteria was creating a fouling problem for the membrane treatment system.

CCI reviewed wellfield data and documents relating to the City's historical and existing water supply operations. A wellfield evaluation was completed to evaluate the water quality and performance of each well and to identify wells that may be affecting the performance of the RO membranes. Field testing included the measurement of field water quality parameters such as SDI, sand content, specific conductance, pH, TDS, turbidity, iron, etc. Well performance data was collected under normal, steady-state, operating conditions. Eight Biscayne aquifer wells were tested which serve the Peele-Dixie WTP.

Relatively high soluble and total iron measurements were recorded in all eight of the Peele-Dixie wells. A correlation was noted between membrane problems caused by iron or iron-related bacteria in three specific wells that also had elevated SDI's on pump start-up.

Based on this information, CCI recommended the removal and evaluation of the submersible pumps and column pipes in these wells. It was suspected that the elevated initial SDIs that were measured may have been related to leak(s) from the pump column/pump system within the well. A high-pressure leak would contribute to the oxygenation of water between the pump column and casing and promote iron bacteria growth.

Project Timeframe
2019 - 2019

Project Cost
$19,500

Our Role
Hydrogeologic Consulting

GLOBALTECH
A DESIGN BUILD COMPANY

TAB 9
Resumes of Key Personnel

David Schuman, P.E.
VP of Engineering

YEARS IN INDUSTRY 28

AREAS OF EXPERTISE
- Project Management
- Water Treatment Systems
- Wastewater Treatment Systems
- Pumping Systems
- Chemical Feed Systems
- Hydraulics

EDUCATION
M.S., Environmental Engineering
Virginia Polytechnic Institute

B.S., Civil Engineering
Florida International University

LICENSURE / CERTIFICATIONS
Florida Professional Engineer
No. 52092

PROFESSIONAL ASSOCIATIONS
Water Environment Federation

American Public Works Association

Southeast Florida Utility Council

David Schuman has 28 years of experience in numerous water and wastewater utility projects in Florida. He has expertise in treatment/ process technologies, pump stations, pipelines, hydraulics, and mechanical design for both design-bid-build and Design-Build projects. David's design experience includes many facets of water supply, treatment, storage and conveyance systems including lime softening plants, membrane softening plants, reverse osmosis plants, pump stations, and storage tanks. He has served in a variety of roles involving water quality studies, process engineering, design engineering, cost estimating, permitting, project management, start-up services, and construction management.

FEATURED EXPERIENCE

FPUA Lime Softening Unit Rehabilitation, Henry A. Gahn WTP
Fort Pierce, Florida
Under a series of projects, served as project manager responsible for the design and construction for the rehabilitation of most of the lime softening facilities at the Henry A. Gahn WTP. Pertinent facilities included one concrete IS Accelator, one steel Accelator, three (3) concrete filters with Wheeler Ball underdrains, seven (7) concrete filters with Leopold clay tile underdrains, three (3) separate concrete clearwells, two (2) 125 HP variable speed backwash pumps, three (3) 60 HP variable speed transfer pumps, valves, piping, instruments, controls and other small pump stations. Work included concrete and steel repairs, drive replacements, replacing some of the Accelator internals, replacing all the filter media, rehabilitating the underdrains, blasting and coating, replacement of all piping associated with the softeners, replacing all the pneumatic control valves with electrically actuated control valves, new aluminum handrails/ walkways and installation of a new PLC based control system.

RELEVANT EXPERIENCE

Softener 3 Rehabilitation, Design-Build
Roviera Beach, Florida
Mr. Schuman served as project manager and lead designer for the rehabilitation of a 10-MGD steel Accelator lime softener. Work included inspections to determine extent of repairs, installation of a metered tank bypass-line with chemical feeds, substantial steel replacement, new drive and motor, walkway modifications, tank blasting and coating, and new piping.

PBCWUD Aqua Ammonia and Fluoride Storage and Feed Facilities
West Palm Beach, Florida
Mr. Schuman served as project manager and lead designer for aqua ammonia and fluoride storage and feed systems. Facilities included three 2,200 gallon pressure-rated steel ammonia storage tanks, a scrubber tank, HDPE fluoride storage and day tanks, mag-drive transfer pumps, solenoid metering pumps, and specialty coatings.

Gas Chlorine to Sodium Hypochlorite Conversion Improvements, Design-Build
Hallandale Beach, Florida
Mr. Schuman served as lead designer and project manager for replacement of a ton-cylinder gas chlorine facility with a new bulk sodium hypochlorite system for a 10 mgd water treatment plant. The City's project included three 3,000-gallon HDPE storage tanks, a containment area, six metering pumps, double wall piping to six injection points and new electrical and instrumentation. Temporary facilities were also provided during construction.

FPUA WTP Gravity Thickener Mechanism Replacement
Fort Pierce, Florida
Mr. Schuman served as project manager and lead designer for the design and installation of a temporary dewatering system after the existing system experienced a sudden failure. Other work included installation of a new gravity thickener mechanism and drive, walkway modifications, new weir and piping, rehabilitation of the concrete tank, new sludge pumping station and a truck loading facility.

Parkson Dynasand Filter Rehabilitation
Boca Raton, Florida
Mr. Schuman served as project manager and lead designer for the City's rehabilitation of 6 deep bed reuse filters. Work included removing all the filter internals, conducting pre- and post-construction inspections, replacing damaged components and all the filter media.

Water Treatment Plant Replacement and Effluent Pump Station Modifications
Margate, Florida
Mr. Schuman served as project manager for replacement of the City's water treatment plant. The 13.5 mgd plant replacement required maintaining capacity while constructing new facilities on the footprints of existing facilities. Project included 2 Accelator lime softeners, 2 Greenleaf-style sand-anthracite filters and new pump stations.

Reverse Osmosis Water Treatment Plant
Highland Beach, Florida
Mr. Schuman served as project manager and construction resident for the Town's new 2.25 MGD reverse osmosis WTP. The project included Floridan Aquifer supply wells, cartridge filters, RO membrane trains, chemical feed systems including liquid chlorine and ammonia systems, degasifiers, odor control equipment, shallow injection wells, and municipal office space.

Paul Gandy, P.E., DBIA
President / CEO

YEARS IN INDUSTRY 35

AREAS OF EXPERTISE
- Program/Project Management
- Process Mechanical (water and wastewater treatment)
- Large capacity pumping stations
- Value Engineering
- Operation and Maintenance Construction
- Maintenance of plant operations

EDUCATION
B.S., Mechanical Engineering
University of Florida

LICENSURE / CERTIFICATIONS
Florida Professional Engineer
No. 37928

Florida Certified General Contractor
No. CGC 1507230

Florida Certified Mechanical Contractor
No. CMC 1249255

Florida Certified Plumbing Contractor
No. CFC 1427843

Florida Certified Underground Utility and Excavation Contractor
No. CUC 1224907

DBIA Designated Design-Build Professional

Paul Gandy has worked in the consulting engineering business for 30+ years. He has experience in the planning, design, and construction of all facets of water and wastewater treatment as well as collection and distribution, hydraulics, fluids handling, and pumping. He has been involved with projects ranging in size from under 0.1 million gallons per day (MGD) to over 100 MGD. Water treatment projects have included: raw water supply including wellheads, pumping & piping; lime softening facilities; filtration, sludge dewatering and handling; membrane softening, brackish/seawater reverse osmosis; in-plant pumping and chemical facilities; concentrate disposal systems; and ground storage, high service pumping, and standby power systems at these facilities. In addition to his many engineering and construction services projects, Paul has been at the helm of Globaltech for over 25 years and has overseen the delivery of in excess of 250 design-build projects totaling over $100M. Mr. Gandy has also been certified as a credentialed Design-Build Professional by the Design-Build Institute of America (DBIA).

FEATURED EXPERIENCE

PBCWUD Optimization & Improvements D/B Continuing Services Contract
West Palm Beach, Florida
Mr. Gandy served as the Principal in Charge for this program, which is comprised of four 3-year term master continuing design build projects. The first master contract was approved in 2008 with subsequent contracts being issued in 2012, 2015 and 2019. For the 2015 design-build contract Globaltech was awarded the DBIA Florida Region Project of the year in the Water/Wastewater category.

The 2019 continuing contract is currently ongoing. Projects included a vast array of treatment and process related improvements for all unit processes involved at all of the County's major treatment facilities

well as various lift stations, wellfields, and remote pumping and storage facilities. For each of the contracts there were many tasks related to upgrade or replacement of electrical switchgear and emergency power diesel standby generator facilities. Project elements included gensets, fuel storage and delivery systems, structural and architectural support elements, switchgear, and building and environmental permitting. A total of 96 projects were delivered at a value of $41,366,633.

RELEVANT EXPERIENCE

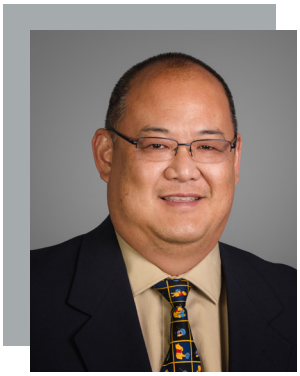
City of Riviera Beach WTP Softener 3 Rehabilitation
Riviera Beach, Florida
Softener 3 at the Riviera Beach Water Treatment Plant (WTP) had not been operational for several years. In addition, significant corrosion was present on the steel surfaces and the softener had a substantial leak at the bottom of the tank. Riviera Beach issued a contract for emergency repairs to Globaltech to rehabilitate the softener. As Principal Engineer, Mr. Gandy provided evaluation of the condition of the steel components, design replacement components where necessary and install the repairs as part of the overall rehabilitation.

PBCWUD WTP 3 Chemical Improvements Phase 1
West Palm Beach, Florida
Palm Beach County Water Utilities Department (PBCWUD) identified several needed improvements to the pipes and pumps supplying chemicals to Water Treatment Plant 3. Under a continuing design-build services contract, PBCWUD hired Globaltech to design and construct the necessary improvements. Mr. Gandy served as Principal Engineer for the construction of a new H-20 rated, replacement of all caustic piping routed from the two caustic tanks to the caustic pump room, chemical trench parallel to the partially collapsed existing trench under the roadway. Also provided replacement of the sodium hypochlorite piping from the chlorine pump room to Odor Scrubber No. 2.

SUA Continuing Design-Build Services Contract
Fort Pierce, Florida
Mr. Gandy served Principle in Charge for this Seacoast Utility Authority (SUA) Continuing Services Contract. This is a four-year contract with two, 1-yr renewals. The contract included a wide range of treatment process related and power and control improvement systemwide for the water treatment, wastewater, remote storage and pumping, and lift stations. . A total of 14 projects were delivered at a value of $10M+.

FPUA Chemical Storage Improvements
Fort Pierce, Florida
In order to improve reliability and safety, Fort Pierce Utilities Authority (FPUA) wanted to make improvements to three existing chemical storage systems at the Henry A. Gahn Water Treatment Facility. Mr. Gandy served as Principal Engineer. Under a continuing design-build services contract, FPUA hired Globaltech to design, permit and construct improvements to the existing hydrofluorosilicic acid (fluoride), sodium hydroxide, and sulfuric acid systems.

FPUA Reverse Osmosis Plant Phase 2 Expansion
Fort Pierce, Florida
Mr. Gandy served as construction manager for the installation of a 3.2 mgd RO skid. The project also included installing additional vessels and elements in the existing ROP trains. Including bypass, the expansion added 4.94 mgd to plant's capacity. Besides the new RO skid, new facilities included a cartridge filter, a membrane feed pump, a new degasifier, new blower, piping and modifications to the clearwell. Mr. Gandy was responsible for cost estimating and fee development. The $2,600,000 was designed and completed within one year.



Troy Lyn, P.E.
Executive Vice President

YEARS IN INDUSTRY 28

AREAS OF EXPERTISE
- Program/Project Management
- Project Management
- Water Treatment Systems
- Wastewater Treatment Systems
- Lime Softening
- Membrane Processes
- Anion Exchange
- Disinfection
- Chemical Feed Systems
- WTP Regulatory Compliance

EDUCATION
M.S., Environmental Engineering
University of Central Florida

B.S., Environmental Engineering
University of Central Florida

LICENSURE / CERTIFICATIONS
Florida Professional Engineer
No. 49525

PROFESSIONAL ASSOCIATIONS
Water Environment Federation

American Water Works Assoc.

Southeast Desalting Assoc.

American Public Works Assoc.

Southeast Florida Utility Council

Troy Lyn has served in the water utilities industry for 28 years working with public water utilities to achieve water quality goals and meet regulatory requirements. He has evaluated many conventional and advanced water treatment processes using desktop studies, bench-scale units, pilot-scale units, and full-scale plant studies to determine feasibility and effect on water quality, operation, maintenance, and cost. Troy has also evaluated and developed action plans to control microbial regrowth and corrosion in water distribution systems. He designed, permitted, and constructed lime softening/filtration facilities and advanced water treatment processes such as membranes (microfiltration, nanofiltration, reverse osmosis), anion exchange, and enhanced coagulation. Design projects have included pumping systems, piping systems, and chemical storage and feed systems including chlorine gas, sodium hypochlorite, ammonia gas, ammonium sulfate, carbon dioxide gas, sodium hydroxide, sulfuric acid, fluoride, lime, and polymers.

FEATURED EXPERIENCE

PBCWUD WTP 11 Odor Control Improvements
Belle Glade, Florida
Mr. Lyn was the project manager and lead designer for the project. The improvements included addition of two biological odor control scrubbers to replace an existing chemical scrubber to treat hydrogen sulfide off gas from degasifiers of a low-pressure reverse osmosis plant. The work also replaced three existing blowers with larger horsepower blowers and installed a new corrosion-proof lift station to dispose of the acid waste from the biological odor control scrubbers to the existing deep injection disposal well. The new biological scrubber system improved the removal of hydrogen sulfide from 90% to 99% from the exhaust air and removed the use of hazardous chemicals (sodium hydroxide) with a non-hazardous nutrient feed similar to plant food.

RELEVANT EXPERIENCE

Mr. Lyn has been involved in a number of membrane treatment plant projects with treatment type ranging from membrane softening (nanofiltration), low pressure reverse osmosis membranes, and seawater reverse osmosis membrane. His nanofiltration plant experience includes the design of the pretreatment and post treatment system for the Cooper City Membrane Softening Plant, upgrading systems for the Boynton Beach West Membrane Softening Plant Expansion, upgrading systems and membrane replacement for Palm Beach County Water Plant 10 Membrane Softening Plant, startup of the Coral Springs Improvement District Membrane Plant. He also designed the deep injection well head for concentrate and wastewater effluent disposal for the City of Cooper City Membrane Softening and Wastewater Plants. He served as the resident engineer overseeing the original construction of the 3 mgd Cooper City Membrane Softening Plant and was the project manager assisting with the completion of the Phase II - 4-mgd Boynton Beach West Softening Plant Expansion. His low-pressure reverse osmosis membrane softening includes designing the expansion of the Fort Pierce Utilities Authority Reverse Osmosis Plant, the expansion of the Town of Highland Beach Reverse Osmosis Plant, and the incorporation of energy recovery devices, liquid lime system, and biological odor control system at the PBCWUD WTP 11. Mr. Lyn was also involved in the original design of the Fort Pierce Utility Authority Reverse Osmosis Plant that utilizes membrane to treat the brackish water from the Floridan Aquifer for potable water use.

Mr. Lyn has also designed a number of ion exchange facilities for the removal of color and disinfection byproduct precursors. He has designed the anion exchange system for the Pratt and Whitney, Town of Lantana, Town of Davie, and the 20 mgd expansion for PBCWUD WTP 8.

Palm Beach County WTP 8 Anion Exchange System
West Palm Beach, Florida
Mr. Lyn served as the project manager and lead designer in the design and permitting of a 20 million gallon per day (mgd) anion exchange treatment system at the WTP. This project replaced the existing ozone system with a new anion exchange system and expands the existing 10 mgd fixed bed anion exchange system. The total anion exchange treatment capacity when the project is complete will be 30 mgd. The anion exchange system addition includes modifications to the existing transfer pumps, salt storage, associated electrical and instrumentation, and site and drainage improvements. The existing 1.25-million-gallon ground storage tank that was slated to be abandoned and demolished was repurposed as a brine waste holding tank. The final design and permit applications were completed within 315 days. All permits (Development Review Office, PBC Health Department, PBC Department of Environmental Resource Management, South Florida Water Management District, and Lake Worth Drainage District) were obtained prior to the approval of the contractor's contract by the County.

Fort Pierce Utilities Authority Wellfield Improvement Program / Design-Build
Fort Pierce, Florida
Mr. Lyn served as the project manager and lead designer for the abandonment, demolition, and replacement of several surficial wells. Permitting to remove and install new wells was conducted through the City of Fort Pierce, St. Lucie County Health Department, FDEP, and SFWMD. The project included the design and installation of new wells, wellheads, controls panels, and security features.

Rick Olson, P.E.
Senior Project Manager

YEARS IN INDUSTRY 32

AREAS OF EXPERTISE
- Project Management
- Water Resources Planning
- Stormwater Management
- Geotechnical Engineering
- Civil Construction
- Industrial Site Assessment and Remediation
- Neighborhood Outreach

EDUCATION
M.C.E., Civil/Geotechnical Engineering, University of Florida

B.S., Civil Engineering
University of Florida

LICENSURE / CERTIFICATIONS
Florida Professional Engineer No. 43377

PROFESSIONAL ASSOCIATIONS
Tau Beta Pi, Engineering Honor Society

American Water Works Assoc.

Florida Water Environmental Association

Rick Olson has 32 years of experience working with municipal utilities and private clients in South Florida. Throughout his career, Rick's responsibilities have been diverse and broad-reaching, including projects involving stormwater management, neighborhood revitalization, water resources planning, industrial site assessment and remediation, geotechnical engineering, water conveyance and construction management. He has managed all phases of the project life cycle including inception, planning, design, permitting, procurement, construction and operation.

FEATURED EXPERIENCE

CSID DIW 1 Dual Zone Monitoring Well
Coral Spring, Florida
Under a Continuing Contract for Professional Engineering Consulting and Design-Build Services with Coral Springs improvement District (CSID), Mr. Olson provided project management including engineering, design and construction of a new Dual Zone Monitoring Well for DIW-1. The work involved integrating work with a hydrogeologic subconsultant, designing the well head and above ground features, and providing oversight of the drilling subcontractor during the construction and testing of a new 2,100 feet-deep dual-zone monitoring well.

RELEVANT EXPERIENCE

CSID Generator Fuel Tank Replacement
Coral Springs, Florida
Mr. Olson provided engineering and project management services to replace a fuel tank with an 8,000-gallon, double-walled, above-ground diesel storage tank and made improvements to the site grading and drainage on the south side of the blower building.

CSID Hurricane Hardening for Stormwater Pump Stations 1 and 2, Design-Build
Coral Springs, Florida
The Coral Springs Improvement District operates two stormwater pumping stations each capable of moving 150,000 gpm. The stations were built in the 1970's and are considered to be critical components of CSID's mission. Globaltech conducted a preliminary assessment of the structures and identified deficiencies that made the structures vulnerable to storm damage. In 2019, on behalf of CSID, Mr. Olson applied for and received a grant from the Florida Division of Emergency Management (DEM) to provide Loss Mitigation Improvements to the two structures. Globaltech prepared engineering plans to implement improvements, permitted the designs with the City of Coral Springs, Coordinated the improvements with the DEM, and implemented the construction improvements. Hardening items included reinforcing double-tee roof panels to the structural frame, installing new wind-rated ventilation louvers and doors, re-roofing the structures, and adding mechanical tie-downs to secure roof-mounted mechanical equipment.

CSID Canal Bank Assessment / Design and implementation of Remedial Measures at Sites 1, 2, 3, 4, 5, 9, 12, 13 and 14, Design-Build
Coral Springs, Florida
Globaltech has inspected and assessed over 5 miles of canal banks within the Coral Springs Improvement District. At 10 separate locations, designs for canal bank restoration have been prepared and implemented. Improvements have included vegetative removal, reshaping, installation of ShoreSox geotechnical stabilization, and rip-rap. Approximately 6,000 feet of canal bank have been restored improving quality of life and safety for the adjacent homeowners. In most locations, restoration work was performed from within the canal on working barges. Significant coordination was provided by Globaltech between the Owner, homeowners and other stake-holders.

CSID Sodium Hypochlorite Tank Replacement, Design-Build
Coral Springs, Florida
Mr. Olson served as project manager and lead engineer on the replacement of three 5,500-gallon Fiberglass Reinforced Plastic (FRP) tanks. Prior to replacing the tanks, Globaltech conducted cursory investigation of tank material options and sizes. The replacement of the tanks was conducted while maintaining the operation of the sodium hypochlorite storage and metering systems. In addition, the new tanks provided for upgraded staff safety and signage for the stored product.

Water Plant 8 Filter Rehabilitation, Design-Build
Palm Beach County, Florida
Mr. Olson served as project manager and lead engineer for the rehabilitation of 6 multi-media filters at WTP 8. A feasibility study recommended injecting DeNeef Hydro Active Sealfoam in the filter cracks and that the filters would then be sealed with a combination of elastomeric polyurethane and epoxy coatings. Work consisted of emptying the filter basins, restoring the filter underdrains, conducting a video inspection of the filter drains using a endoscopic camera, cleaning the filter walls using UHP water wash, coating the filter walls, installing new filter media, leveling the weirs, backwashing and disinfecting the filter media, and coordinating the work with plant staff.

Tyler Davis, P.E.
Senior Project Manager

YEARS IN INDUSTRY 35

AREAS OF EXPERTISE
- Pipeline Design
- Construction Management
- Hydraulics
- Pumping Systems
- Chemical handling and metering

EDUCATION
B.S., Chemical Engineering
Georgia Institute of Technology

LICENSURE / CERTIFICATIONS
Florida Professional Engineer
No. 60051

PROFESSIONAL ASSOCIATIONS
Florida Section of American

Water Works Association /
Region VI Chair

Southeast Florida Utility Council

Tyler Davis has 35 years of engineering experience, including more than 19 years in the water/wastewater field during which he designed, permitted, and assisted in construction of pipelines, pumping systems, and water and wastewater treatment systems. Tyler has worked with municipal clients on water, wastewater, reclaimed water, pump stations, treatment plants, supply wells, and injection well projects. He has prepared grant applications, hydraulic models, cost estimates, engineering reports, design drawings, technical specifications, and permit applications.

FEATURED EXPERIENCE

PBCWUD Water Treatment Plant 8 Anion Exchange System Design and Services During Construction
West Palm Beach, Florida
Globaltech designed a new 20 million gallons per day (mgd) fixed bed anion exchange system at WTP 8, a project that is currently under construction. The new system replaced an antiquated 10 mgd ozone system. Mr. Davis was responsible for design of the large diameter piping from two separate clearwell transfer pump stations to three ground storage tanks. Mr. Davis performed hydraulic modeling of the transfer pumping system from the clearwell, through the anion exchange vessels, and to the ground storage tanks. He also assisted in the selection of new larger transfer pumps and provided the layout of the above-ground piping for the new anion exchange system. Tyler currently is providing site inspections and service during construction.

RELEVANT EXPERIENCE

Highland Beach Water Main Replacement
Highland Beach, Florida
Mr. Davis served as project engineer and construction inspector responsible for the design, permitting, and construction of the Town's Water Main Replacement. This project included approximately 15,000 LF of 10-inch water main along the east side of Ocean Boulevard, 50 fire hydrants, and 90 service connections with back flow preventers. Keen observation during construction identified pipe that had been sabotaged with a tiny drill bit, avoiding significant reconstruction.

Area 11A Reclaimed Water System
Delray Beach, Florida
Mr. Davis served as project engineer and construction inspector responsible for the design, permitting, and construction of "Area 11A" of the City's new reclaimed water system. Project included 8,740 LF of 6-inch reclaimed water main, 3,150LF of 16-inch reclaimed water main, and 2,750 LF of 18-inch reclaimed water main.

Area 12A Reclaimed Water System
Delray Beach, Florida
Mr. Davis served as project engineer and construction inspector responsible for the design, permitting, and construction of 7,100 LF or reclaimed water main, 2,200 LF of water main, and 85 service connections in the residential area on the barrier island near Atlantic Avenue.

Rolling Green Infrastructure Improvements
Boynton Beach, Florida
Mr. Davis served as project engineer responsible for the design of approximately 30,000 LF of water main replacement.

Construction Inspections Services
Various Locations, Florida
Mr. Davis served as project engineer for Town projects including Highland Beach Water Main Extension, West Palm Beach Garden Avenue Utility Improvements, Duck Key Infrastructure Improvements, Boca Raton 20" RWM Pipeline, Boynton Beach Reclaimed Water System Phase I, Pahokee Fire Hydrant Replacement, Delray Beach RWM Expansion, Tamarac McNab Road Watermain Improvements, and others.

La Mancha Water Main/Force Main, Palm Beach County Water Utilities Department
Palm Beach County, Florida
Mr. Davis served as project engineer responsible for the design and permitting of 3 miles of 36-inch water and 3 miles of 30-inch wastewater force main including four directional drills under canals.

Boca Raton Hills Water Main
Boca Raton, Florida
Mr. Davis served as engineer and construction inspector responsible for the design, permitting, and construction of 3,100 LF of water main, and 12,561 LF of gravity sewer.

Boca Raton Heights Water Main
Boca Raton, Florida
Mr. Davis served as project engineer and construction inspector responsible for the design, permitting, and construction of 6,000 LF of water main, and 2,400 LF of gravity sewer, and a sewer lift station.

Alex Stojanovic, P.E.

Electrical Instrumentation/ Programming

YEARS IN INDUSTRY 20

AREAS OF EXPERTISE

- Electrical Instrumentation
- Programming

EDUCATION

M.S., Electrical Engineering
B.S., Electrical Engineering

LICENSURE / CERTIFICATIONS

Electrical Engineer: Florida No. 60269; California No. E18857; Idaho No. 16936

ADS Engineering

Alex Stojanovic has experience of more than 20 years of electrical, instrumentation and control systems design, project execution, control system and SCADA programming and construction management. His project responsibilities include: design and upgrade of plant or facility; normal and emergency power electrical distribution systems from 120V to 15kV; process instrumentation & control system design, application and upgrade; SCADA and telemetry systems design and programming; LAN/communications systems design and upgrade; motor control (variable frequency drives reduced voltage starters); emergency generator applications; short circuit, device coordination and arc flash studies; value engineering; QA/QC reviews; cost analysis; construction management services; project organization, execution and management. Alex is familiar with electrical and instrumentation design of various types of water treatment facilities. He has a vast knowledge in process control gained throughout the extensive experience. This includes experience on similar projects using MF/RO membranes, bioreactors, advanced oxidation, ion exchange and chlorination treatment.

RELEVANT EXPERIENCE

City of Sunrise Utilities Department Springtree WTP Phase II Improvement
City of Sunrise, Florida
Provided electrical and instrumentation design, for the Springtree WTP. He engineered the one line diagrams for the 480 V distribution. The project included refurbishment of Solids Contact Clarifiers and Sludge Dewatering system, Lime Silo replacement, addition of settled water Transfer Pump Station and CO2 System. Mr. Stojanovic was PE for electrical and instrumentation.

Sawgrass WTP, ION Exchange System and Other Improvements
Sunrise, Florida
Provided the electrical and instrumentation design for the Sawgrass Water Treatment Plant ION Exchange System, Pressure Filters and Degasifier Cleaning System. Pressure filters system includes two pressure filter vessels with a provision for future two vessels. Three ION Exchangers and supporting salt saturators, waste equalization, sodium permanganate chemical system and pumping were covered with both electrical and instrumentation design. Degasifier Cleaning System is a new system added to the existing plant degasifiers. He also provided, as a part of electrical design, building and area lighting design and calculations.

Southwest WTP, ION Exchange System and Improvements
Sunrise, Florida
Provided electrical and instrumentation design for the City of Sunrise Southwest Water Treatment Plant ION Exchange System, Lime Silo rehabilitation, Emergency Generator upgrade and Well #2 upgrade. He engineered the system one line diagrams for the 480 V distribution to major buses and large equipment. Mr. Stojanovic was PE for electrical and instrumentation.

Southwest WTP, Rehabilitation Improvements
Sunrise, Florida
Mr. Stojanovic provided electrical and instrumentation design for the City of Sunrise Southwest Water Treatment Plant rehabilitation. He engineered the system one line diagrams for the 480 V distribution to major buses and large equipment for the plant based on lime softening system with two gravity filtration systems, ground storage and distribution pumping system, as well as related chemical systems. Mr. Stojanovic was PE for electrical and instrumentation.

Babcock Ranch Communities Water and Wastewater Systems, MSKP Town and Country Utility
Babcock Ranch, Florida
Mr. Stojanovic designed the electrical, instrumentation and control systems for Water Treatment facility and Wastewater facility. Water treatment facility is based on two RO trains with clearwell odor treatment and pertaining chemical dosing systems. Wastewater facility is comprised of several package systems and pertaining chemical systems. Project also included site lighting, security access system and lift stations. He engineered the one line diagrams for the 480 V distribution to the equipment, performed equipment sizing and layout. He created the electrical section of the installation specification defining requirements for installation, grounding, emergency diesel generator purchase, and equipment purchase. He engineered the control system architecture, selected field instrumentation and plant PLC communications. He developed the specifications for PLC equipment, software and field instruments.

RIX Wells Retrofit Project - San Bernardino Municipal Water District
San Bernardino, California
Mr. Stojanovic designed the electrical, instrumentation and control systems for this facility. He engineered the system one line diagrams for the 480 V distribution to the 40, 75 and 100 hp well pumps via variable frequency drives and all additional equipment. He performed equipment sizing and layout.

Mel Leong Treatment Plant Industrial Wastewater and Recycled Water Upgrades
San Francisco, California
Mr. Stojanovic provided electrical and instrumentation design in a design-build project for a waste water treatment plant upgrade. The project has been divided into the two phases: First phase IWTP (Industrial Water Treatment Plant) comprises primary wastewater treatment - DAF treatment, Ozone treatment, BAF filtration and Sludge Dewatering system along with the necessary chemical systems. The second phase is AWTP (Advanced Water Treatment Plant) which includes MF (Microfiltration), RO (Reverse Osmosis) and UV facility and all pertaining chemicals. Also, as a part of first phase, the project for Lab/Administration building has been created. This included all requirements specific for the state of California (such as Title 24), introduction of the Photovoltiac System as well as requirements for integration with the existing data, public annunciation and security systems of the San Francisco Airport. Mr Stojanovic engineered the one line diagrams for the 480 V distribution to major buses and large equipment. He performed equipment sizing and developed layout drawings for the IWTP/AWTP and Lab/Admin. Mr. Stojanovic was PE for electrical and instrumentation.

James L. Andersen, P.G.
Principal Hydrologist

YEARS IN INDUSTRY 37

AREAS OF EXPERTISE
- coastal Plain Aquifer Systems
- Well Design
- Groundwater Monitoring, Geophysical Well Logging and Interpretation
- Reverse Osmosis (RO) raw water supply investigations
- RO concentrate disposal by injection well

EDUCATION
B.S., Geology, Florida Atlantic University

LICENSURE / CERTIFICATIONS
Professional Geologist, Florida License No. 1103

PROFESSIONAL ASSOCIATIONS
Southeast Desalting Association, Current Board Member

American Membrane Treatment Association

Palm Beach County Natural Resources Protection Current Board Member

Geological Society of America

International Association of Hydrogeologists

CCI Connect Consulting, Inc.
Water Resource Consultants

Jim Andersen is responsible for South Florida operations, project management, technical oversight, well design and construction phase services team leader. He has 37 years of experience including an extensive groundwater experience, working with coastal plain aquifer systems; well design; groundwater monitoring, geophysical well logging and interpretation; reverse osmosis (RO) raw water supply investigations and RO concentrate disposal by injection well; collection and analysis of water quality data; rehabilitation of old wells, and supervising various types of drilling. Mr. Andersen is also the president of JLA Geosciences, Inc. a Jupiter based hydrogeologic services company. Mr. Andersen has served as a Florida Chamber of Commerce short course instructor for environmental permitting, an invited speaker for the Florida Department of Environmental Protection on contamination cleanup, a regular conference speaker for AWWA, AWRA, AGWT, AMTA and SEDA on topics such as Aquifer Storage and Recovery, hydrogeology, water use permitting and well design, construction and rehabilitation strategies.

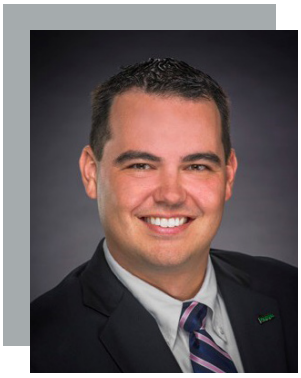
RELEVANT EXPERIENCE

Well Field Development / Seawater and Brackish Water Supply
Mr. Andersen was responsible for the development of numerous projects requiring the development of reverse osmosis seawater supply including projects in Bimini, Bermuda, St Croix and Jupiter Island. Additional seawater supply projects include Shrimp Improvement Systems, Islamorada; a south Miami Dade project with multiple individual seawater supply wells producing 12,000 gpm each; and a brackish Upper Floridan Aquifer supply project for Key Largo Utility Corp of the design and construction of a 2.5 MGD new supply well feeding an existing brackish RO plant.

PBCWUD rehabilitation of Water treatment Plant No. 3 & 9 Production Wells
Delray Beach and Boca Raton, Florida
Mr. Andersen provided hydrogeologic consulting services during design, bidding, and construction phases for the rehabilitation program.

PBCWUD Acid Treatment and Well Rehabilitation at WTP 11
Belle Glade, Florida
Mr. Andersen provided hydrogeologic subcontractor consulting services to assist the County in performing rehabilitation of up to four (4) existing Upper Floridan Aquifer production wells and construction of new wells to replace lost wellfield capacity.

Coral Springs Improvement District Wellfield Improvement Program
Coral Springs, Florida
Mr. Andersen served as a Well Consultant to Globaltech for this project, which was designed to align CSID's aging wellfield's operation with the flow and pressure requirements of its new Nanofiltration Membrane Plant. The project included a complete wellfield hydraulic modeling effort and facility inspection.



Alex Lazowick, P.E., PMP

Civil/Stormwater Engineer

YEARS IN INDUSTRY 12

AREAS OF EXPERTISE

- Design of Water, Sewer and Drainage Systems
- Roadway Design
- Permitting
- Construction Administration Services

EDUCATION

B.S., Civil Engineering, University of North Florida

LICENSURE / CERTIFICATIONS

Florida Professional Engineer No. 78625

Project Mgmt Professional (PMP)

Troxler Nuclear Gauge

FDOT Workzone Traffic Control

Intermediate Level MOT

30 Hour OSHA General Industry safety and health hazard recognition and prevention

PROFESSIONAL ASSOCIATIONS

ASCE Member

FES Member

BIM Smart Foundation Member

BuildingSMART Foundation

KEITH
Engineering Inspired Design.

Alex Lazowick was introduced to civil engineering and construction by his grandfather, Mr. Bill Keith, founder of the firm. He is eager for the challenge to be the third family generation professional working to provide quality developments within the South Florida community. Mr. Lazowick has gained experience in civil engineering design projects including water, sewer and drainage systems, roadway design, permitting, and construction administration services. He understands the importance of working together as a team to quickly identify and establish project goals and achieve successful results in the most expedient and cost effective manner. His qualifications include knowledge with AutoCAD Civil 3D, Navisworks, Revit, BIM, Microsoft Office, computer networking, and he possesses excellent communication skills. His field construction supervision and inspection experience includes a diverse array of project classifications from aviation, roadway, recreational, residential, commercial and governmental projects. Additionally, Mr. Lazowick, as the firms BIM Manager, oversees all 3D oriented projects. From Laser Scanning to 3D GIS, Mr. Lazowick is tasked with getting the job done.

RELEVANT EXPERIENCE

City of Pompano Beach Miscellaneous Civil Engineering Services
Pompano Beach, Florida
Mr. Lazowick served as General Engineering Consultant for the City for over 16 years on an as needed basis. All services of the firm are utilized including planning, civil engineering, surveying, subsurface utility engineering, and landscape architecture.

North Regional Wastewater Treatment Plant (NRWWTP) Load Center and Motor Control Centers Rehabilitation
Pompano Beach, Florida
The scope of this project includes the design and engineering services during construction for the replacement of Load Centers 5 and 6 related Motor Control Centers (MCC), and replacement/rehabilitation of associated duct banks at the North Regional Wastewater Treatment Plan (NRWWTP). KEITH is providing surveying services for this project.

Broward County Library – Pompano Beach Branch
Pompano Beach, Florida
Mr. Lazowick was responsible for verifying contractor extraction and fill quantities associated with the environmental cleanup of nonhazardous waste materials, earthwork volumes and quantifications for this joint County-Municipal project.

BCWWS Water and Waste Water Services Continuing Contract
Broward County, Florida
Engineering services for water distribution, wastewater collection and storm water collection systems.Mr. Lazowick is providing design and construction support services.

Broward County Water Reclaimed Water Plant Expansion
Broward County, Florida
Mr. Lazowick served as subconsultant responsible for performing the pre-design, detailed design, bidding and permitting services, as well as engineering services during construction.

2900 North Bay Road
Miami Beach, Florida
A Full Scan to BIM project. KEITH teamed with VDCO to fully laser scan this private residence, over 20,000 SF, and fully model the inside and outside of the property. Mr. Lazowick was tasked with overseeing the scan crews, reviewing the Point Cloud, running Anti-Clash Detecting to review the model's accuracy to the point cloud and ultimately delivering the final project to the client. The Anti-Clash Detecting is a newer work flow to make sure the Revit Model aligns fully with the point cloud. If there is a wall not in contact with the point cloud, it will call out an Anti-Clash similar to Clash Detection. In addition to the 3D model, plan, sections and elevation sheets were created from the model.

Avery Glen
Sunrise, Florida
Mr. Lazowick provided construction engineering inspections for the final stages of this fast- track construction associated with the for this affordable housing 149-unit Multi-family apartments residences. The project included preparation and processing of the site plan, platting, surveying, design and permitting of the water, sewer and drainage systems, roadway design and permitting, utility coordination, offsite right-of-way design and the construction administration services.

Barkland - Parkland Municipal Dog Park
Parkland, Florida
Mr. Lazowick provided the preliminary engineering design of water, drainage, sidewalks and parking areas associated with the design for this 4 acre municipal recreational development project. Coordination with landscape architect subconsultant and agency permitting were required for this project.

Bombardier Aircraft Service Center at FLL
Fort Lauderdale, Florida
Mr. Lazowick provided survey, planning and civil engineering services to include the site plan preparation and processing, water, sewer, paving, grading and drainage design to support the proposed facility. Mr. Cartossa performed stormwater management calculations using ICPR, which included an analysis of the +/- 1430 acre airport (FLL), developed plans for approximately 1,100 LF water main, 2,600 LF gravity sewer and 5,500 LF drainage pipe. He also developed a system for containing AFFF on- site in the event of a fire and he designed the airside apron pavement design for 100,000 lb aircrafts with FAARFIELD.

Blanche Ely High School
Broward County, Florida
Mr. Lazowick provided construction engineering inspections for the final stages of the school's stadium project facilitated through a Design Build Contract with Balfour Beatty Construction. Project includes complete reconstruction associated with the new football stadium, track and concession stand.

Parkland City Hall Building Department Wing Expansion
Parkland, Florida
Mr. Lazowick is serving as Owner's Rep and providing planning, surveying, civil engineering and subsurface utility engineering services.

Michael Mossey, P.S.M.
Senior Surveyor & Mapper

YEARS IN INDUSTRY 41

AREAS OF EXPERTISE
- Surveying
- Mapping
- Permitting
- Contract Documentation

EDUCATION
Maryville College, Maryville TN

LICENSURE / CERTIFICATIONS
Florida Professional Surveyor and Mapper No. 5660

PROFESSIONAL ASSOCIATIONS
Florida Society of Professional Surveyors & Mappers

Secretary, Broward Chapter FSMS, 1999-2000 and 2000-2001

KEITH
Engineering Inspired Design.

Michael Mossey has 41 years of experience in land surveying and mapping in South Florida. He has extensive senior project management experience for large-scale projects and continuing service, on-call type contracts for both public and private sector clients. He is a highly talented Quality Surveyor with a successful track record in budget estimation, valuation of items and completing projects on time. Mr. Mossey's experience includes a wide range of projects incorporating GIS deliverables for various agencies including Broward County, the Federal Aviation Administration (FAA) and municipalities.

RELEVANT EXPERIENCE

Pompano Beach A-1-A / S.R. 814 Atlantic Boulevard
Pompano Beach, Florida
As Survey Project Manager, Mr. Mossey prepared extensive Topographic Design Surveys for this Pompano Beach CRA roadway improvement project. Project included design and right-of-way survey as well as a FDEP Coastal Topographic Survey required for design and permitting of coastal roadways, pedestrian walkways, and beach and dune beautification improvements. Concept includes reconstruction of roadway, water, sewer and drainage, streetscapes and beatifications.

Pompano Beach Boulevard Streetscape
Pompano Beach, Florida
Mr. Mossey was responsible for the Coastal Hydrographic and Topographic Surveys for Florida Department of Environmental Protection (FDEP) Permitting for the design and construction of the roadway and pedestrian pathways adjacent to the beachfront. The project was situated seaward of the Coastal Construction Control Line therefore the design required extensive hydrographic and topographic survey in accordance with the requirements of the Florida Department of Environmental Protection- Division of Beaches and Shores.

Pompano Beach Oceanside Fire Station #11
Pompano Beach, Florida
KEITH is working with a team of consultants with the primary responsibility of surveying and platting to construct a new barrier island Oceanside Fire Station (Station # 11) in Pompano Beach. As Survey Project Manager, Mr. Mossey prepared Boundary and Topographic Design Survey including tree locations and identifications for this new public facility station on A-1-A including offsite improvements. Services included easement vacations plat preparation, processing and recordation.

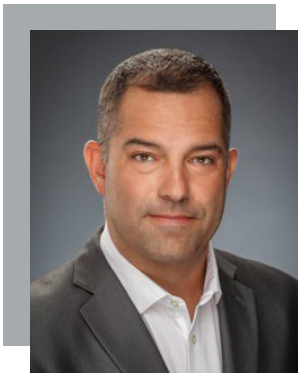
General Engineering/Surveying Services Contract
Pompano Beach, Florida
Through our continuing services contract, as Survey Project Manager, Mr. Mossey prepared Boundary and Topographic surveys, as well as sketches of description for Pompano Community Park, Highlands Park, Alsdorf Park, Rustic Bridge Park, Founders Park and Lovely Park.

Pompano Beach Fire Station #103
Pompano Beach, Florida
As a sub-consultant, Mr. Mossey's responsibilities included preparing boundary and topographic surveys; plat preparation and processing; preparation of documents and attendance meetings for the site plan approval; pre-application meeting with agencies having jurisdiction; prepare all required bidding and construction documents for the projects, design plans, supplementary contract requirements, technical specifications and cost estimates; provide assistance for LEED BD+C rating documentation and processing; prepare and process all required plat permit applications and submittal packages as required for permit issuance of all agency permits.

Pompano Beach GIS Mapping Services Pilot Project
Pompano Beach, Florida
KEITH was tasked to locate all water meters and valves, sanitary manholes and cleanouts, and storm drainage inlet structures and manholes with at least sub-meter grade GPS (Global Positioning System). The general limits of the project are from McNab Road to the southerly edge of water of Lettuce Lake (just North of SE 8th Street) and from the easterly right-of-way of Federal Highway to the westerly edge of water of the Intracoastal Waterway. Mr. Mossey served as Senior Project Surveyor for this GIS project and is currently working in this geographic area and progress up to 1,550 data points. Once completed, KEITH will edit the files by moving the existing utilities, including any pipes, services or laterals that connect to the structure, to the true, GPS-verified location. The attribute data attached to each utility will remain unchanged.

S.E. 8th Court Bridge Replacement
Pompano Beach, Florida
The project consisted of the replacement of the existing bridge at S.E. 8th Court across Santa Barbara Shores Canal, in the City of Pompano Beach. The project consists of demolition of existing structure and installation of a new bridge structure, headwalls, concrete deck, handrails, guardrails, and existing utilities. As Survey Project Manager, Mr. Mossey prepared the topographic and right of way survey including channel sounding and utility locations.

Broward County Water Reclaimed Water Plant Expansion
Broward County, Florida
As a subconsultant, tasked with surveying activities to supplement the existing topographic survey provided by Broward County and verifying the elevation of select hydraulic process structures such as top of weir/wall/floor and overflow elements of existing structures.



Paul Weinberg, PLA, ASLA

Landscape Architecture

YEARS IN INDUSTRY 14

AREAS OF EXPERTISE
- Landscape Architecture
- Civil engineering

EDUCATION
B.S., Landscape Architecture, Michigan State University

LICENSURE / CERTIFICATIONS
Registered Landscape Architect, State of Florida, #LA6666804

PROFESSIONAL ASSOCIATIONS
Urban Land Institute, Member

American Society of Landscape Architects (ASLA), Member

American Resort Development Association (ARDA), Member

Riverwalk Trust, Board Member

MSU Landscape Architecture Advisory Board, Board Member

KEITH
Engineering Inspired Design.

Paul Weinberg is a multi-talented designer and team leader who has been based in South Florida since 2000. During this time, he has worked with a variety of significant public and private sector projects including urban parks, hotels, campuses, plazas, mixed-use development, entertainment districts, streetscapes, waterfront and residential projects that provide meaning and purpose to the community. He has a unique understanding of how to create immersive, authentic and memorable spaces that create place identity to bring vitality to each district. He is committed to a team-based approach that delivers creative, thought-provoking solutions tailored to the distinct character of each project.

RELEVANT EXPERIENCE

Pompano Beach Ali Cultural Center
Pompano Beach, Florida
As subconsultant, Mr. Weinberg provided civil engineering and landscape architecture services to the Pompano Beach Community Redevelopment Agency (CRA) for the renovation of the 2-story, 7,000- SF building and new addition to this historically significant cultural center located on MLK Boulevard in Downtown Pompano. The existing historical building was renovated and enhanced by the addition of an outdoor performance space and concession facilities, as well as a new multi-purpose building including exhibit space, offices and a conference room to form a cultural campus. The landscape architecture department performed full site analysis and evaluation to prepare tree disposition plans showing tree preservation and tree removal and subsequently prepared landscape and hardscape plans for the outdoor amenities.

Pompano Beach Charlotte Burrie Civic Center
Pompano Beach, Florida
Mr. Weinberg provided civil engineering, permitting, landscape architecture and construction administration and coordination services for the 8,712-SF Charlotte J. Burrie Community/Civic Center.

Fast Forward Fort Lauderdale Design and Construction Manual
Fort Lauderdale, Florida
KEITH is working with renowned architecture firm Brooks + Scarpa to develop a design and construction manual for a sustainable and resilient community and cohesive public realm that could potentially impact every facet of infrastructure and design within the city. Mr. Weinberg is responsible for the planning and landscape architecture elements of the manual.

Isle Casino Planning and Engineering
Pompano Beach, Florida
Mr. Weinberg served a Principal-In-Charge to develop a campus wide master plan for the nearly 250 acre campus. Responsible for planning documents, rezoning, traffic analysis, agency coordination and civil engineering.

Fort Lauderdale Aquatics Center
Fort Lauderdale, Florida
The City of Fort Lauderdale and its CRA wanted to renovate the Aquatics Center and ensure it met aquatic competition requirements. Mr. Weinberg's tasks included surveying, subsurface utility engineering, planning services, landscape architecture, and civil engineering.

Atlantic Boulevard Streetscape Improvements
Margate, Florida
The CRA requested the KEITH Team develop a branded approach to several of the city's ROW and streetscapes. The request includes multiple miles of streetscape, medians, walls, walkways, landscape, lighting, signage and a signature fountain feature. The team worked to create a brand or identity that can be utilized throughout the City in these public realm areas. The signature element for this streetscape initiative is the addition of a roundabout and fountain feature. The CRA requested that a theme of a child fishing along the edge of the canal be utilized for inspiration. KEITH had to work around existing infrastructure items and yet was able to develop a creative approach for the fountain. The result was a combination of water, sculpture, landscape and hardscape to make a statement for the City and CRA of Margate.

Hallandale Fire Station No. 7 and EOC Headquarters
Hallandale Beach, Florida
The building program and design for the City's new main fire rescue headquarters and emergency management facility were developed to achieve LEED Silver Certification and include a 25,000 SF, two-story complex with four apparatus bays and living quarters for up to 16 firefighters. In addition to on-duty fire rescue staff, the building will house the City's Fire Prevention Bureau including office space for fire inspectors, plans review and public education. KEITH is providing Civil Engineering, Landscape Architecture and SUE services.

City of Fort Lauderdale Tunnel Top Park
Fort Lauderdale, Florida
The Riverwalk and Downtown Development Authority of Fort Lauderdale have been studying a number of visionary projects to connect and active the downtown riverfront district corridor. Mr. Weinberg led the team to the visioning for several key projects including Tunnel Top Park. The project is set to create a stage within the public realm that links the surrounding context together. The Tunnel Top Park will be a mini Klyde Warren Park or High Line for the City and bridge the gap between Laura Ward Plaza, the riverfront and the Las Olas Corridor. Currently the project is being coordinated through the FDOT and is seeking to be implemented through a multi-agency effort.

City of Fort Lauderdale Cemetery Master Plan
Fort Lauderdale, Florida
Mr. Weinberg assisted the City of Fort Lauderdale to develop a master plan for its four (4) cemeteries that range in size from 5 to 50 acres. The charge for the plan was to develop an inventory of the existing facilities, create a strategy to develop additional components and analyze the existing care fund that is in place for preservation. Through working with the cemetery advisory board our team created the master plan and it was unanimously approved. The pilot projects have been identified in the master plan and next steps to implementation are underway.

DC Alexander Park Improvements
Fort Lauderdale, Florida
Mr. Weinberg is leading the design, planning and permitting of this improvement project in conjunction with the City's CRA. He is managing a multi- disciplinary team to create a legacy project that will serve as an iconic, memorable place.

Jeffrey Bergmann, P.E.
Structural Engineer

YEARS IN INDUSTRY 35

AREAS OF EXPERTISE
- Structural Engineering and Design
- Civil Engineering Design and Construction
- Construction Administration

EDUCATION
B.S., Civil Engineering, University of New Mexico

LICENSURE / CERTIFICATIONS
Florida Professional Engineer No. 50159

PROFESSIONAL ASSOCIATIONS
American Society of Civil Engineers

Florida Engineering Society

WGI

Jeff Bergmann has vast experience in managing civil and structural engineering projects in both the public and private sectors related to regulatory compliance, structural and civil engineering design and construction, construction administration, and contract management.

RELEVANT EXPERIENCE

Boynton Beach Utilities Clearwell
Boynton Beach, Florida
Mr. Bergmann performed an evaluation for the City of the condition of the clearwell at its East Water Treatment Plant. The evaluation involved access into the drained clearwell, which was accomplished during a two-day duration. Concrete soundings of the walls and roof were done. Photo documentation of deficiencies and mapping of the deficiencies for repair quantities was prepared. During the next phase, WGI provided structural design, detailing and produced construction documents for the repair and upgrade of Gallery III slab and the repair of Gallery IV beam crack identified during the clearwell assessment. Work included review of shop drawings and product approval, site observations during construction and a final inspection.

Anna Maria Pier Condition Assessment
Manatee County, Florida
Mr. Bergmann performed structural inspections for the historic pier including the access pier, T-head pier, and concession building. The Assessment was conducted both above and below water with divers. WGI generated a report of the findings and attended a briefing meeting to answer any questions from concerned stakeholders.

City of Fort Pierce Melody Lane Fishing Pier
St. Lucie County, Florida
Mr. Bergmann worked with the City and the Florida Inland Navigation District to design and construct the pier located at the end of melody Lane in downtown Fort Pierce. The site is in close proximity to a historic local radio station, WIRA, which began broadcasting shortly after Work War II. The new constructed pier is a 10-foot wide by 170-foot long with a T-shaped terminal platform. The pier was constructed with precast piles, concrete pile caps, heavy timber framing, and open deck grating to promote seagrass growth and has handrails for public safety and to discourage boat mooring. Lighting of the pier was integrated into each of the pile cap columns. Musical themes were designed into the entry arch and benches located along the pier's length.

PBCWUD Water Treatment Plant 8 Anion Exchange
West Palm Beach, Florida
Mr. Bergmann provided design and construction phase services for foundation and slab, stair design for the containment basins, prefab building foundation and specifications and demolition plans for equipment pads.

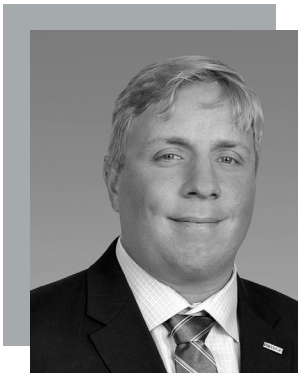
SUA Waste Water Treatment Plant Biosolids Upgrades
Palm Beach Gardens, Florida
Mr. Bergmann provided a base map for development, designed column placement, analysis and design, bridge crane launch and corbel design, bridge crane connection design an detailing, CMU walls and transfer beam analysis, wall and foundation retrofit design in conjunction with the replacement dewatering equipment at the dewatering building at the Nursey Lane Waste Water Treatment Plant. During construction, WGI provided shop drawing reviews, field observations for wall and foundation retrofit including reinforcement placement and concrete pour observations, column dowel observation, column formwork and reinforcing observation including concrete pour, bridge crane connection verification and provided certification and record drawings upon completion.

PBCWUD Master Repump Station 9N
Belle Glade, Florida
Mr. Bergmann provided modifications and rehabilitation including miscellaneous concrete pump base modifications, temporary concrete emergency bypass pump base with hold downs; odphos tank hold-down anchors, miscellaneous housekeeping slabs, wall/roof modifications and infill for 4 fan replacements, generator replacement pad and wall modifications for generator replacement, CMU wall reinforcing and retrofitting and replacement of 30man doors on the south, east and west walls.

PBCWUD Western Region Operations Center (WROC)
West Palm Beach, Florida
Mr. Bergmann provided structural engineering design and construction phase services. WROC serves the Belle Glade, Pahokee and South Bay areas in Palm Beach County. The building consists of two 10,000 square foot pavilion structures which provided covered storage for portable generators, material and equipment laydown areas. The center also includes a 16,337 square foot warehouse administration and repair shop, of which 8,680 square feet is warehouse; and a 2.600 square foot generator building. The buildings were designed to Risk Category III/IV with ultimate wind speeds of 180 mph and are constructed with reinforced masonry walls, concrete tie columns and beams, steel joist/ structural steel roof framing and steel roof deck. The shop buildings include a two-ton bridge crane supported from the roof structure and the pump wash section of the building includes a two-ton underslung monorail hoist.

Greenacres Community Center
Greenacres, Florida
Mr. Bergmann provided structural engineering design services for the City's 16,000-square-foot expansion of the community center. The expansion as designed to serve as a semi-hardened facility for large meetings. The services included structural design for a multipurpose building function. The exterior walls were constructed with reinforced masonry, the roof structure was a combination of hollow core precast panels, sloped steel trusses and heavy gauge steel deck. WGI provided construction administration and construction phase services as well.

Jupiter. Aicher House
Jupiter, Florida
Mr. Bergmann conducted a site visit for the Town to measure the existing structure and provide photo documentation of the existing conditions. WGI provided design and details for the deck floor and support system, foundation pedestals and sidewalk approaches to the ADA ramp and designed the connection to the existing sidewalks.



Christopher LaForte, P.E.

Structural Engineer

YEARS IN INDUSTRY 13

AREAS OF EXPERTISE

- Structural Engineering and Design
- Programming

EDUCATION

M.S., Civil Engineering, Structural, Michigan Technological University

B.S., Civil Engineering, Structural, Michigan Technological University

LICENSURE / CERTIFICATIONS

Florida Professional Engineer No. 76797

PROFESSIONAL ASSOCIATIONS

Florida Engineering Society

WGI

Chris LaForte has experience in structural engineering and design. His activities include structural design and rehabilitation of bridges, buildings, pump stations, retaining walls, and seawalls. Chris also performs plan reviews for ARC 4496 compliance as well as field inspections of various structures.

RELEVANT EXPERIENCE

Pompano Beach Pier Design

Pompano Beach Florida

Mr. LaForte designed a new pier to be 864'-0 long. The pier walking surface is approximately 20'-0" wide until the mean high water mark. Once past the mean high water line, the deck of the pier was widened to 30'-0" to the east end of the pier. The structure was designed to represent the head of a pompano fish, similar to the City logo. The new pier is supported by concrete pile foundations with a concrete pile cap. The walking surface/deck is constructed utilizing concrete beams with wood decking in between. The railings are a combination of wood and aluminum with concrete light bollards at each pile bent. Amenities on the pier include four shade structures, electrical outlets for maintenance staff, fresh water hose bibs, a dry fire line for fire safety, three fish gutting stations, and a concrete bait shop building. The new pier is cited in the existing sovereign land lease from west end to mean high water line to avoid the taking of the existing turtle habitat. During construction, WGI provided construction observations for compliance with plans and specifications, reviewed shop drawings, attended bi-weekly progress meetings, and made inspections for substantial and final completion.

South Lake Worth Inlet North and South Jetty

Lake Worth, Florida

Mr. LaForte provided structural design services for the South Lake Worth Inlet 22-foot wide by 400-foot long fishing pier that was constructed over the existing jetty, and replacement of the sand transfer building on the northern jetty. The original jetties were installed to keep the natural longshore movement of sand from entering the inlet, Improvements included installation of 200 concrete piles to support the new northern jetty, in addition to new decking, aluminum handrails, and steel sheet pile walls along both sides of the inlet.

Seaquay Pier Engineering

Vero Beach, Florida

Mr. LaForte provided structural engineering for this design-build project including construction of a 16-foot by 300-foot long private ocean pier with turtle safe low wattage lights on every bollard. The pier featured precast concrete substructure with wood deck and railing. The deck is designed to be sacrificial (break away) during large storm events. The pier was designed with precast concrete beams, pile caps, and bollards. Construction was completed using a crane based on a temporary steel trestle that was used to minimize the construction schedule and keep construction traffic off of the beach.

Manatee Beach Pier Design
Bradenton Beach, Florida
Mr. LaForte provided design services for a new pier in the Gulf of Mexico. The design was completed so that the pier was capable of supporting all construction activity so that the pier could be constructed from itself (top down construction). He reviewed soil profiles for foundation analysis, conducted site visits, and attended meetings with owner representatives to discuss materials, life expectancy requirements, review wave analysis, and design criteria.

United States Navy, Pier B-796 Trumbo Point Annex, Appledore Marine
Monroe County, Florida
Mr. LaForte provided design and construction phase services for a 26-foot wide by 247-foot long pier to dock the following ships: Acoustic Pioneer NAWC 03, NAWC 38, USNS Hugo 8201, and USNS Hunter 8202 located at Naval Air Station Key West. The existing steel pier was removed after hurricane damage and was replaced with a concrete superstructure pier. The pier was designed using concrete encased steel pile foundations with epoxy coated reinforced concrete pile caps and prestressed and post-tensioned concrete deck units. The pier is equipped with a composite waler and fender system with 30-inch mooring cleats.

Folly Beach Pier Engineering
Charleston County, South Carolina
The project includes removal of the existing pier and design of the replacement pier. The design of the new pier incorporates events including fishing tournaments and moonlight mixers. The new pier is designed to minimize disruption to existing pier operations. The project also includes engineering services, permitting, cost estimates, and construction administration for the removal of the existing wooden structure and replacement with a new pier. The firm obtained the necessary information to acquire all local, state, and federal permits, and assisted in obtaining environmental permits. All new construction is ADA-compliant. WGI and their team met with CCPRC to discuss material options to be used on the replacement project before providing plans and permitting services for a reinforced concrete pier with breakaway wood deck panels. The new pier will primarily be 25-foot wide matching the existing with two additional areas built with a 33-foot width for enhanced fishing and pedestrian access along the pier. The pier's overall 1045-foot length matches the existing pier's layout

SFWMD S-140 Design
Broward County, Florida
Mr. LaForte provided design, calculations, and construction documents for a 170' long prestressed concrete service bridge for an automated trash rake. Project included prestressed concrete and steel sheet pile design, concrete pile cap design, bridge superstructure design, design of stainless steel bar screen and bar screen support, and substructure design for the trash rack stand, guide rails, and beam. Steel sheet pile abutments at each end of the bridge were designed to provide scour protection for the approach slab and bridge abutrments. Design details were also provided for a reinforced CMU with a cast in place concrete roof generator control building. During construction, WGI reviewed shop drawings, conducted site visits, and attended progress meetings. Upon completion, a final certification was provided.

Pump Station No. 2
Sunrise, Florida
Mr. LaForte prepared calculations and provided necessary design, detailing, and construction plans for the new City's pump station. The design plans included a three sided pump bay constructed with prestressed concrete king piles, reinforced concrete sheet piles and floor slab, stainless steel trash grate, and a separate generator building to house the emergency back-up generator and control panel.

GLOBALTECH
A DESIGN BUILD COMPANY

TAB 10
Office Locations

Following are the office locations as well as professional and administrative staff count for our team of firms.

Firm Name and Address	Professional and Administrative Staff Count
PRIME FIRM **Globaltech, Inc.** 6001 Broken Sound Parkway, NW, Suite 610 Boca Raton, FL 33487 Office: 561-997-6433	47 Professional 5 Administrative
ADS Engineering, PLLC 4701 North Federal Hwy, Suite 390 Pompano Beach, FL 33064 Office: 561-210-5315	4 Professional 1 Administrative
KEITH 301 E Atlantic Blvd. Pompano Beach, FL 33060 Office: 954-788-3400	92 Professional 15 Administrative
Connect Consulting, Inc. Connect Consulting, Inc. 1907 Commerce Lane Jupiter, FL 33458 Office: 386-473-7766	2 Professional 1 Administrative
WGI Inc. 2035 Vista Parkway West Palm Beach, FL 33411 Office: 561-687-2220	160 Professional 20 Administrative

GLOBALTECH
A DESIGN BUILD COMPANY

TAB 11
Local Businesses

The Local Business Program Forms have been uploaded in the appropriate location as an ***online only attachment***, as per the City's requirement.

However, to be comprehensive we have additionally included them with all the forms in Tab 13 City Forms.

GLOBALTECH
A DESIGN BUILD COMPANY

TAB 12
Litigation

Statement Regarding Litigation

Globaltech, Inc. has not been involved in any litigation in the last five (5) years, nor is there any pending litigation arising out of our performance.

GLOBALTECH
A DESIGN BUILD COMPANY

TAB 13
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-23-20, Continuing Contract for Water and Reuse Treatment Plant 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) David Schuman, P.E. Title VP of Engineering

Company (Legal Registered) Globaltech, Inc.

Federal Tax Identification Number 65-0577611

Address 6001 Broken Sound Parkway, NW, Suite 610

City/State/Zip Boca Raton, FL 33487

Telephone No. 561-997-6433 Fax No. 561-997-5811

Email Address dschuman@globaltechdb.com

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

RLI Number & Title: E-23-20, Continuing Contract For Engineering Services For Water And Reuse Treatment Plant Projects Prime Contractor's Name: Globaltech, Inc.

Name of Firm, Address	Contact Person, Telephone Number	Type of Good/Service to be Purchase	% of Work
KEITH, 301 E. Atlantic Boulevard, Pompano Beach, FL 33060	Alex Lazowick, 954-788-3400	Engineering, landscape, survey, stormwater	TBD
ADS Engineering PLLC, 4701 North Federal Hwy, 390 Pompano Beach, FL 33064	Alex Stojanovic, 561-210-5315	Electrical Engineering / Programming	TBD

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

RLI Number E-23-20

TO: Globaltech, 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 X 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, Civil Engineering, Stormwater Engineering and Landscaping Services

7/28/20
(Date)

KEITH
(Name of Local Business Contractor)

BY: Alex Lazowick, PE, PMP, President

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

Solicitation Number E-23-20

TO: GlobalTech
(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
__X__ 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:

Alex Lazowick, PE, President

civil engineering, survey, landscape architecture

at the following price: _____

July 15, 2020
(Date)

KEITH
(Print Name of Local Business Contractor)

301 E. Atlantic Blvd.
(Street Address)

Pompano Beach, FL 33060
(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"

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

RLI Number E-23-20

TO: Globaltech, 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 X a corporation

_____ a partnership _____ a joint venture

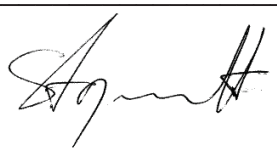
The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

Electrical Engineering / Programming

07/24/2020
(Date)

ADS Engineering, Inc.
(Name of Local Business Contractor)

BY: Aleksandar Stojanovic



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

Solicitation Number E-23-20

TO: Globaltech, 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

X 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:

TBD

at the following price: _____

7/30/20
(Date)

ADS Engineering PLLC
(Print Name of Local Business Contractor)

4701 North Federal Hwy 390
(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"

EXHIBIT C
LOCAL BUSINESS
UNAVAILABILITY FORM

RLI # E-23-20

I, David Schuman, P.E., Vice President of Engineering
(Name and Title)

of Globaltech, Inc., certify that on the 10th day of August, 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.)

Said Local Businesses:

___ Did not bid in response to the invitation

___ Submitted a bid which was not the low responsible bid

_X_ Other: All local subcontractors invited to join our team in response to RLI E-23-20 accepted.

Signature: _____

Date: August 10, 2020

Note: Attach additional documents as available.

EXHIBIT D
GOOD FAITH EFFORT REPORT
LOCAL BUSINESS PARTICIPATION

RLI # E-23-20

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

Structural Engineering, Landscape, Surveying, Stormwater,
Electrical Engineering and Programming

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

We corresponded by telephone and email to discuss proposal scope and firm capabilities.

3. Did you send written notices to Local Businesses?

____ Yes __X__ 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 that we have worked with in the past.

7. List the Local Businesses you will utilize and subcontract percentage of work.

KEITH	TBD
ADS Engineering PLLC	TBD

8. Other comments: None

EXHIBIT E

MINORITY BUSINESS ENTERPRISE PARTICIPATION

RLI # E-23-20

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.

Name of Firm	Certificate Included?
NONE	

GLOBALTECH
A DESIGN BUILD COMPANY

TAB 14
Insurance

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 10/29/2019

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

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

PRODUCER	CONTACT NAME:	
Brown & Brown of Florida, Inc. 1201 W Cypress Creek Rd Suite 130 Fort Lauderdale FL 33309	PHONE (A/C, No, Ext): (954) 776-2222	FAX (A/C, No): (954) 776-4446
	E-MAIL ADDRESS: certs@bbftlaud.com	

INSURED	INSURER(S) AFFORDING COVERAGE	NAIC #
Globaltech, Inc. 6001 Broken Sound Pkwy NW #610 Boca Raton FL 33487	INSURER A : Amerisure Mutual Insurance Company	23396
	INSURER B : Amerisure Insurance Company	19488
	INSURER C : The North River Insurance Company	21105
	INSURER D : Indian Harbor Insurance Company	
	INSURER E :	
	INSURER F :	

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

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	[X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [ ] PRO-JECT [ ] LOC [ ] OTHER:			CPP20796570902	11/01/2019	11/01/2020	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Employee Benefits	$ 1,000,000 $ 100,000 $ 5,000 $ 1,000,000 $ 2,000,000 $ 2,000,000 $ 1,000,000
B	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] OWNED AUTOS ONLY [ ] SCHEDULED AUTOS [ ] HIRED AUTOS ONLY [ ] NON-OWNED AUTOS ONLY			CA20796540801	11/01/2019	11/01/2020	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) PIP	$ 1,000,000 $ $ $ $ 10,000
C	[X] UMBRELLA LIAB [ ] OCCUR [ ] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [X] RETENTION $ 0			5811116013	11/01/2019	11/01/2020	EACH OCCURRENCE AGGREGATE	$ 2,000,000 $ 4,000,000 $
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y / N: Y If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WC207965508	11/01/2019	11/01/2020	[X] PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
D	Professional Liability Pollution Liability			PEC004442305	11/01/2019	11/01/2020	Claim/Aggregate Deductible	3,000,000 50,000

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

CERTIFICATE HOLDER

Proof of Insurance XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

XXXXXXXXXXXXXXXXXXX FL XXX XXX

CANCELLATION

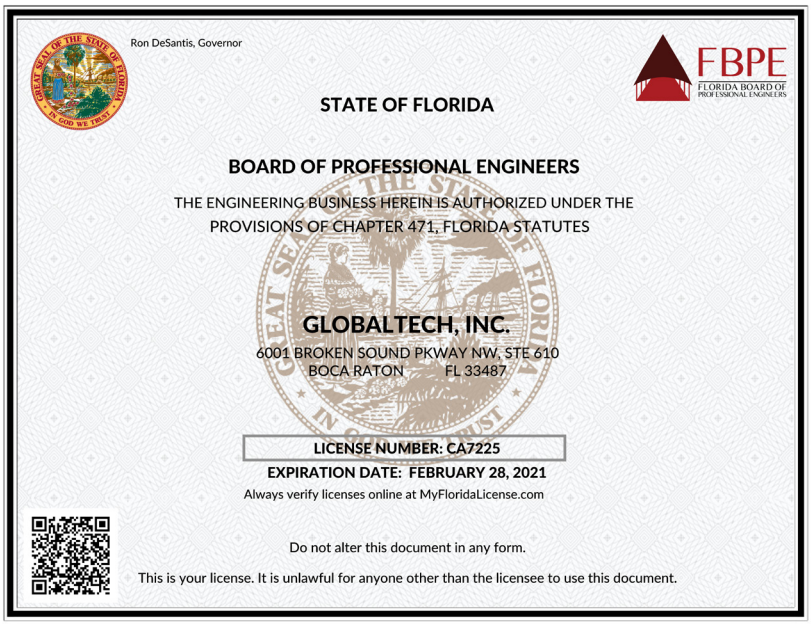
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

GLOBALTECH
A DESIGN BUILD COMPANY

TAB 15
Licenses

Globaltech, Inc.'s Licenses / Certifications



Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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

GLOBALTECH, INC.
6001 BROKEN SOUND PKWAY NW, STE 610
BOCA RATON FL 33487

LICENSE NUMBER: CA7225
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

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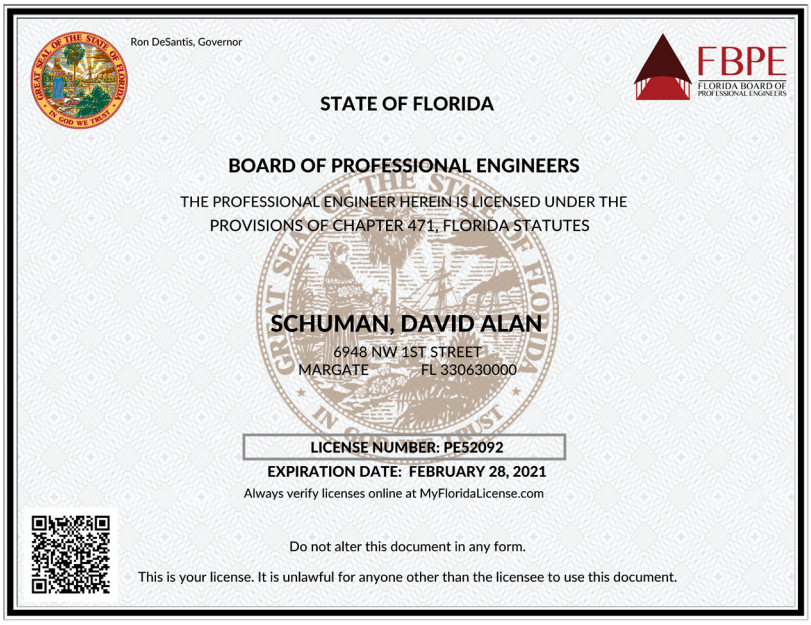
This is your license. It is unlawful for anyone other than the licensee to use this document.



Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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

SCHUMAN, DAVID ALAN
6948 NW 1ST STREET
MARGATE FL 330630000

LICENSE NUMBER: PE52092
EXPIRATION DATE: FEBRUARY 28, 2021
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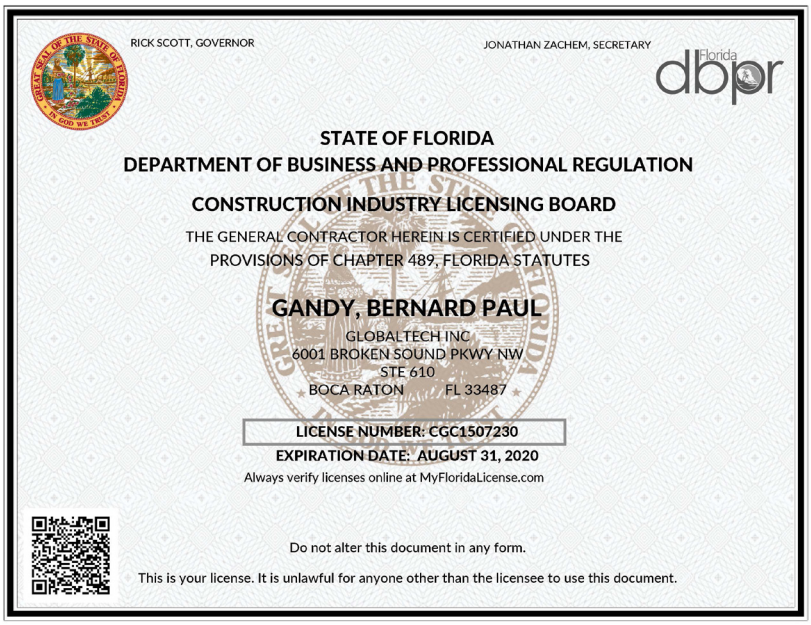
Globaltech, Inc.'s Licenses / Certifications



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE GENERAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

GANDY, BERNARD PAUL

GLOBALTECH INC
6001 BROKEN SOUND PKWY NW
STE 610
BOCA RATON FL 33487

LICENSE NUMBER: CGC1507230
EXPIRATION DATE: AUGUST 31, 2020

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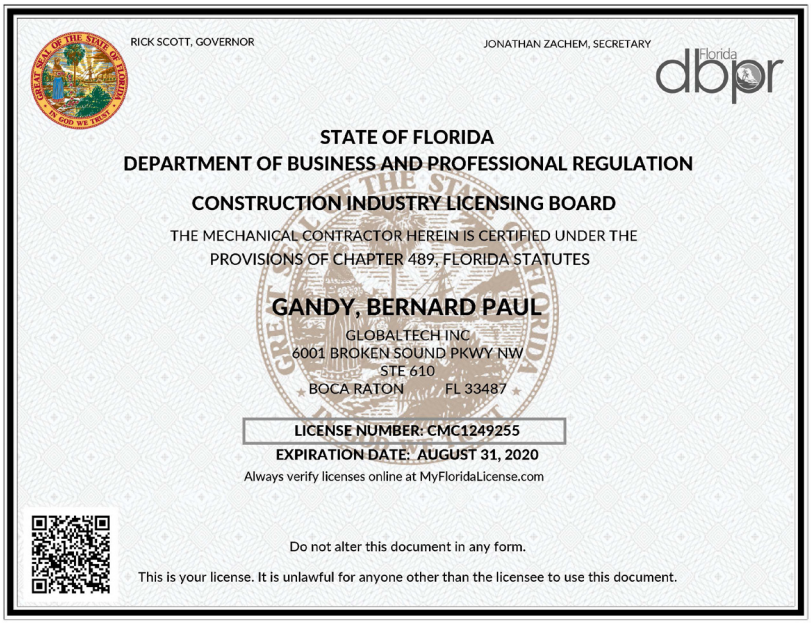

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE MECHANICAL CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

GANDY, BERNARD PAUL

GLOBALTECH INC
6001 BROKEN SOUND PKWY NW
STE 610
BOCA RATON FL 33487

LICENSE NUMBER: CMC1249255
EXPIRATION DATE: AUGUST 31, 2020

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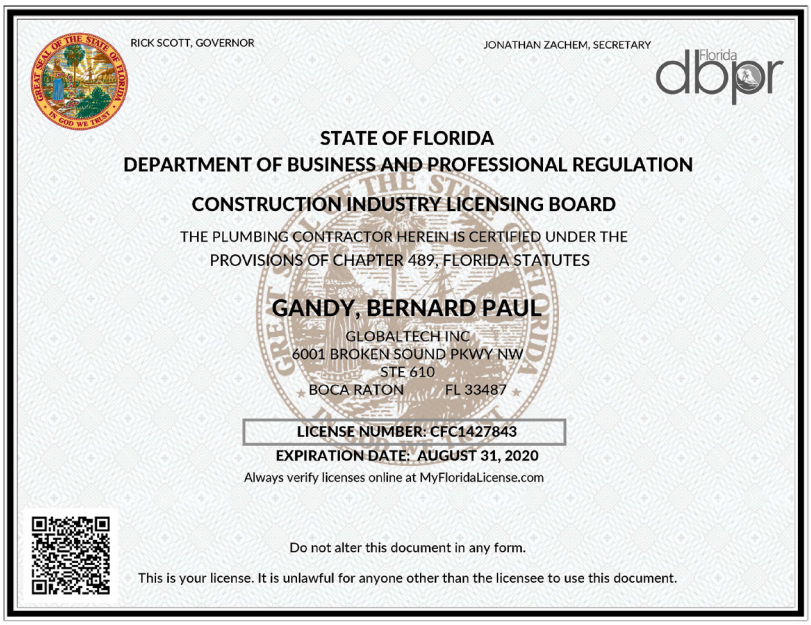
Globaltech, Inc.'s Licenses / Certifications



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE PLUMBING CONTRACTOR HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

GANDY, BERNARD PAUL

GLOBALTECH INC
6001 BROKEN SOUND PKWY NW
STE 610
BOCA RATON FL 33487

LICENSE NUMBER: CFC1427843
EXPIRATION DATE: AUGUST 31, 2020

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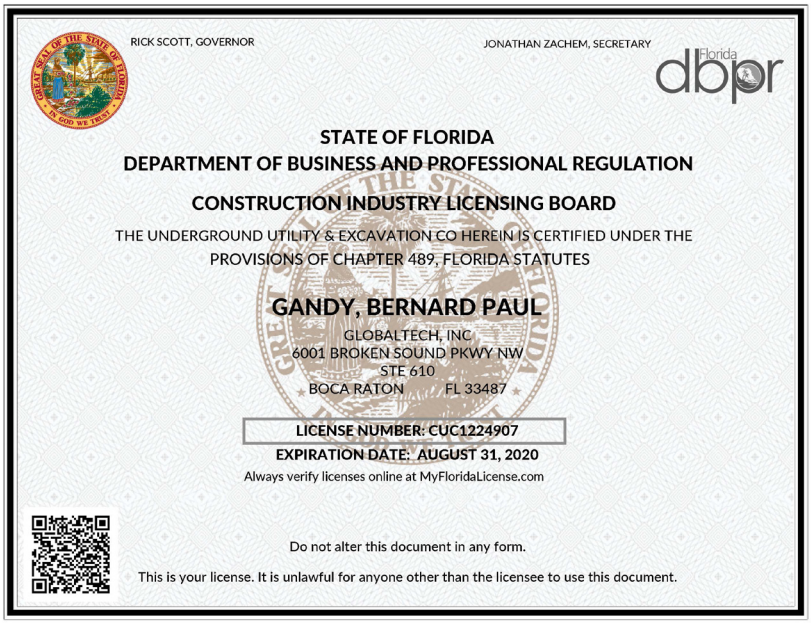

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, SECRETARY

Florida dbpr

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD

THE UNDERGROUND UTILITY & EXCAVATION CO HEREIN IS CERTIFIED UNDER THE
PROVISIONS OF CHAPTER 489, FLORIDA STATUTES

GANDY, BERNARD PAUL

GLOBALTECH, INC
6001 BROKEN SOUND PKWY NW
STE 610
BOCA RATON FL 33487

LICENSE NUMBER: CUC1224907
EXPIRATION DATE: AUGUST 31, 2020

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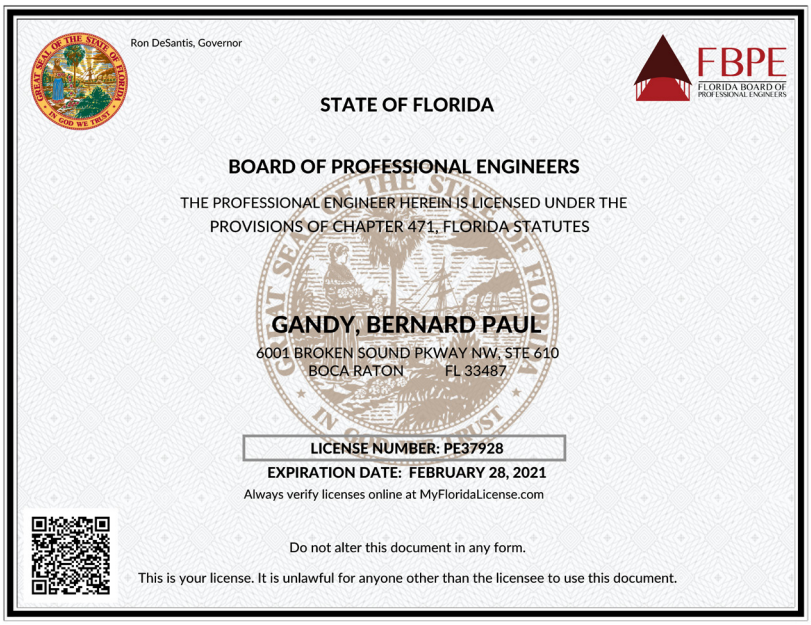
Globaltech, Inc.'s Licenses / Certifications



Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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

GANDY, BERNARD PAUL
6001 BROKEN SOUND PKWAY NW, STE 610
BOCA RATON FL 33487

LICENSE NUMBER: PE37928
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

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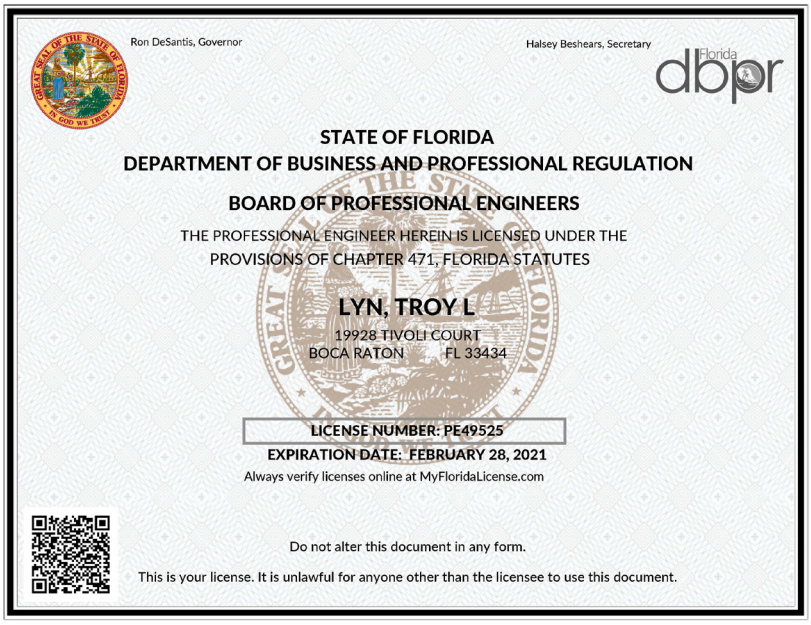

Ron DeSantis, Governor

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

LYN, TROY L
19928 TIVOLI COURT
BOCA RATON FL 33434

LICENSE NUMBER: PE49525
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

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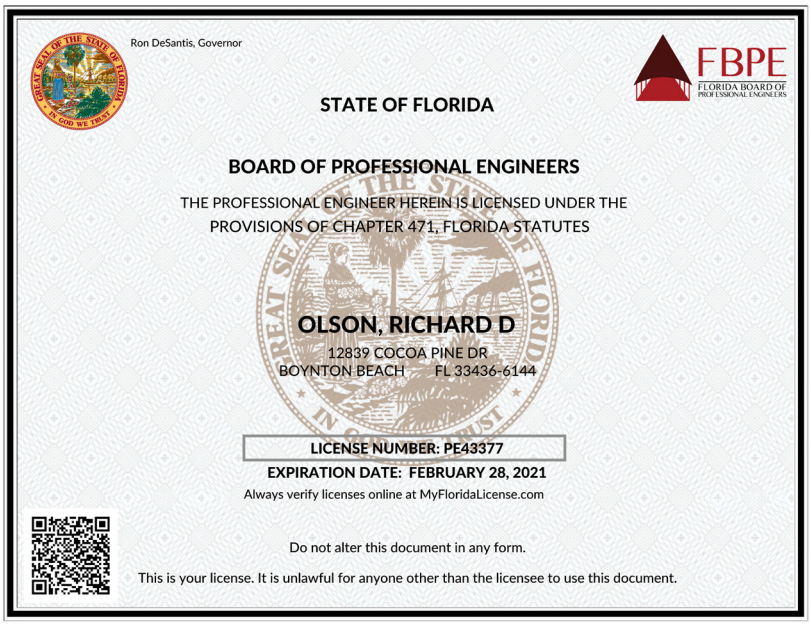
Globaltech, Inc.'s Licenses / Certifications



Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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

OLSON, RICHARD D
12839 COCOA PINE DR
BOYNTON BEACH FL 33436-6144

LICENSE NUMBER: PE43377
EXPIRATION DATE: FEBRUARY 28, 2021
Always verify licenses online at MyFloridaLicense.com

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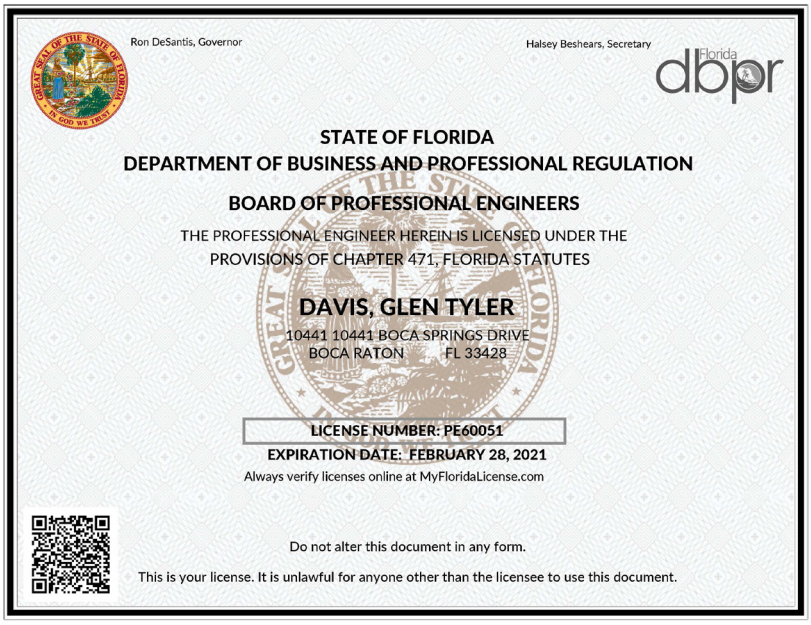

Ron DeSantis, Governor

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

DAVIS, GLEN TYLER
10441 10441 BOCA SPRINGS DRIVE
BOCA RATON FL 33428

LICENSE NUMBER: PE60051
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.

Globaltech, Inc.'s Licenses / Certifications

State of Florida
Department of State

I certify from the records of this office that GLOBALTECH, INC. is a corporation organized under the laws of the State of Florida, filed on April 5, 1995, effective April 1, 1995.

The document number of this corporation is P95000030137.

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 28, 2020, and that its status is active.

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

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

GREAT SEAL OF THE STATE OF FLORIDA
IN GOD WE TRUST

Secretary of State

Tracking Number: 1602985524CU

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

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

Globaltech, Inc.'s Local Business Tax Receipts

ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County
Serving *you.*

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****
6001 BROKEN SOUND PKWY NW
#610
BOCA RATON, FL 33487

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
56-0016 ENGINEER BUSINESS	GANDY BERNARD PAUL	7225	B19.553652 - 07/10/19	$66.00	B40150378

This document is valid only when receipted by the Tax Collector's Office.

STATE OF FLORIDA
PALM BEACH COUNTY
2019/2020 LOCAL BUSINESS TAX RECEIPT

B1 - 1247

GLOBALTECH INC
GLOBALTECH INC
6001 BROKEN SOUND PKWY NW 610
BOCA RATON, FL 33487-3530

LBTR Number: 201362318
EXPIRES: SEPTEMBER 30, 2020

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and MUST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County
Serving *you.*

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****
6001 BROKEN SOUND PKWY NW
STE #610
BOCA RATON, FL 33487

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
54-0064 ENGINEER	GANDY BERNARD PAUL	37928	B19.553589 - 07/10/19	$33.00	B40124315

This document is valid only when receipted by the Tax Collector's Office.

STATE OF FLORIDA
PALM BEACH COUNTY
2019/2020 LOCAL BUSINESS TAX RECEIPT

B1 - 1245

GLOBALTECH INC
GLOBALTECH INC
6001 BROKEN SOUND PKWY NW STE 610
BOCA RATON, FL 33487

LBTR Number: 200805748
EXPIRES: SEPTEMBER 30, 2020

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and MUST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County
Serving *you.*

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****
6001 BROKEN SOUND PKWY NW
STE #610
BOCA RATON, FL 33487

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
23-0051 GENERAL CONTRACTOR	GANDY BERNARD PAUL	CGC1507230	B19.553587 - 07/10/19	$27.50	B40124316

This document is valid only when receipted by the Tax Collector's Office.

STATE OF FLORIDA
PALM BEACH COUNTY
2019/2020 LOCAL BUSINESS TAX RECEIPT

B3 - 1244

GLOBALTECH INC
GLOBALTECH INC
6001 BROKEN SOUND PKWY NW STE 610
BOCA RATON, FL 33487

LBTR Number: 200805746
EXPIRES: SEPTEMBER 30, 2020

This receipt grants the privilege of engaging in or managing any business profession or occupation within its jurisdiction and MUST be conspicuously displayed at the place of business and in such a manner as to be open to the view of the public.

Globaltech, Inc.'s Local Business Tax Receipts

ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County
Serving *you.*

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****
6001 BROKEN SOUND PKWY NW
#610
BOCA RATON, FL 33487

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
23-0065 MECHANICAL CONTRACTOR	GANDY BERNARD PAUL	CMC1249255	B19.553591 - 07/10/19	$27.50	B40124314

This document is valid only when receipted by the Tax Collector's Office.

B3 - 1246

GLOBALTECH INC
GLOBALTECH INC
6001 BROKEN SOUND PKWY NW 610
BOCA RATON, FL 33487-3530

STATE OF FLORIDA
PALM BEACH COUNTY
2019/2020 LOCAL BUSINESS TAX RECEIPT

LBTR Number: 200805749
EXPIRES: SEPTEMBER 30, 2020

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ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County
Serving *you.*

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****
6001 BROKEN SOUND PKWY NW
STE 610
BOCA RATON, FL 33487

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
23-0069 PLUMBING CONTRACTOR	GANDY BERNARD PAUL	CFC1427843	B19.553613 - 07/10/19	$27.50	B40148413

This document is valid only when receipted by the Tax Collector's Office.

B2 - 1247

GLOBALTECH INC
GLOBALTECH INC
6001 BROKEN SOUND PKWY NW 610
BOCA RATON, FL 33487-3530

STATE OF FLORIDA
PALM BEACH COUNTY
2019/2020 LOCAL BUSINESS TAX RECEIPT

LBTR Number: 201256472
EXPIRES: SEPTEMBER 30, 2020

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ANNE M. GANNON
CONSTITUTIONAL TAX COLLECTOR
Serving Palm Beach County
Serving *you.*

P.O. Box 3353, West Palm Beach, FL 33402-3353
www.pbctax.com Tel: (561) 355-2264

****LOCATED AT****
6001 BROKEN SOUND PKWY NW
STE 610
BOCA RATON, FL 33487

TYPE OF BUSINESS	OWNER	CERTIFICATION #	RECEIPT #/DATE PAID	AMT PAID	BILL #
23-0097 UNDERGROUND UTILITY & EXCAVATION	GANDY BERNARD PAUL	CUC1224907	B19.553616 - 07/10/19	$27.50	B40148412

This document is valid only when receipted by the Tax Collector's Office.

B3 - 1247

GLOBALTECH INC
GLOBALTECH INC
6001 BROKEN SOUND PKWY NW 610
BOCA RATON, FL 33487-3530

STATE OF FLORIDA
PALM BEACH COUNTY
2019/2020 LOCAL BUSINESS TAX RECEIPT

LBTR Number: 201256474
EXPIRES: SEPTEMBER 30, 2020

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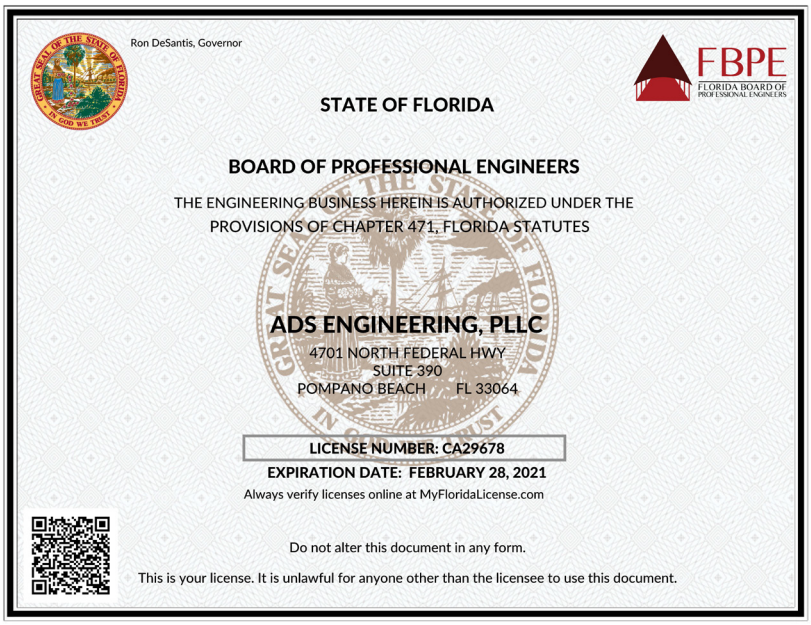
ADS Engineering, PLLC Licenses / Certifications



Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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

ADS ENGINEERING, PLLC

4701 NORTH FEDERAL HWY
SUITE 390
POMPANO BEACH FL 33064

LICENSE NUMBER: CA29678
EXPIRATION DATE: FEBRUARY 28, 2021
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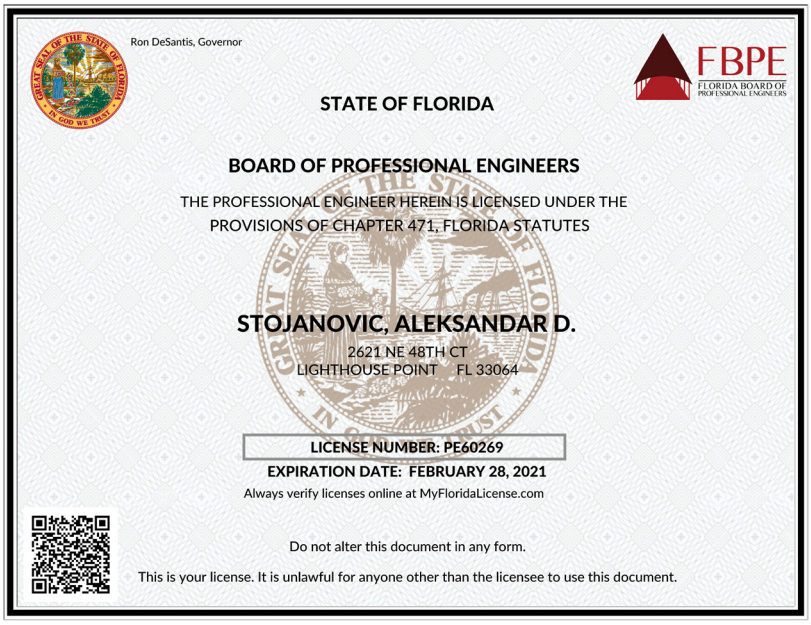

Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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

STOJANOVIC, ALEKSANDAR D.

2621 NE 48TH CT
LIGHTHOUSE POINT FL 33064

LICENSE NUMBER: PE60269
EXPIRATION DATE: FEBRUARY 28, 2021
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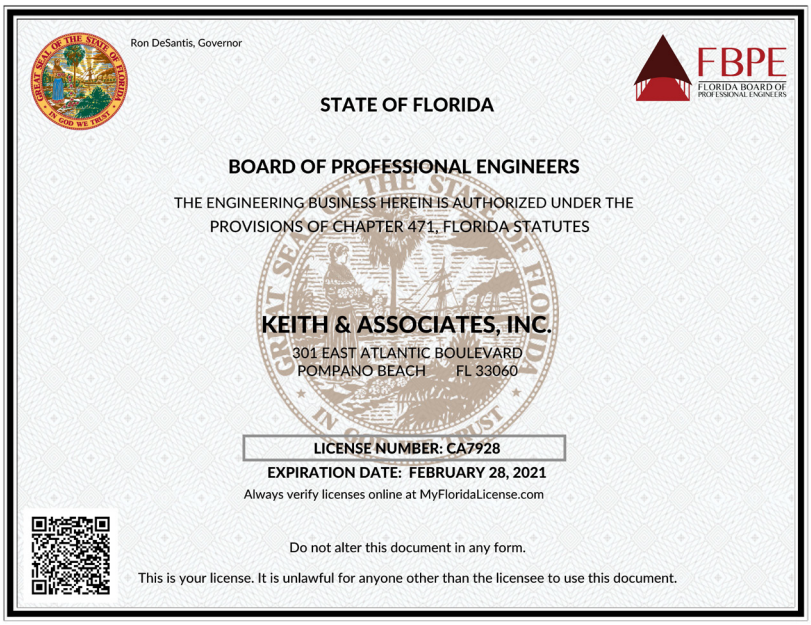
KEITH Licenses / Certifications



Ron DeSantis, Governor

FBPE
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

STATE OF FLORIDA

BOARD OF PROFESSIONAL ENGINEERS

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

KEITH & ASSOCIATES, INC.
301 EAST ATLANTIC BOULEVARD
POMPANO BEACH FL 33060

LICENSE NUMBER: CA7928
EXPIRATION DATE: FEBRUARY 28, 2021
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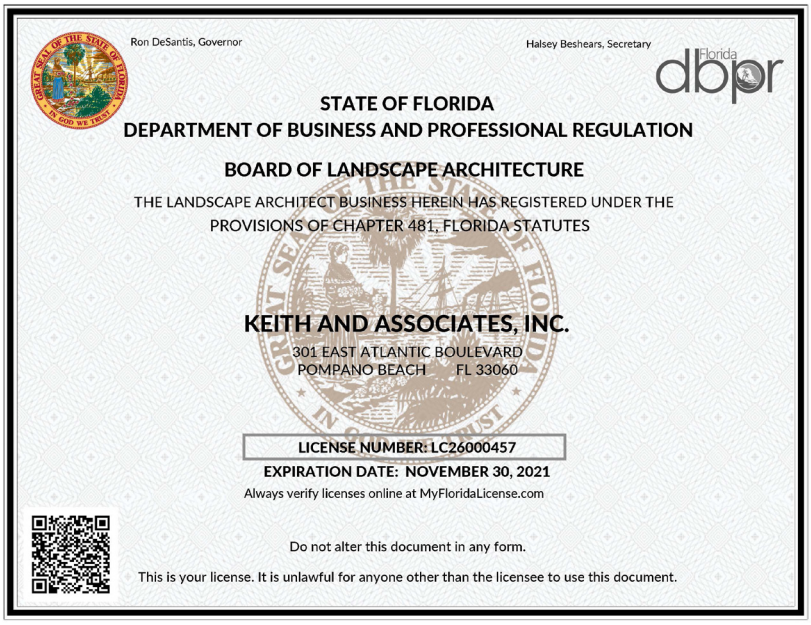

Ron DeSantis, Governor

Halsey Beshears, Secretary

Florida dbpr

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

KEITH AND ASSOCIATES, INC.
301 EAST ATLANTIC BOULEVARD
POMPANO BEACH FL 33060

LICENSE NUMBER: LC26000457
EXPIRATION DATE: NOVEMBER 30, 2021
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KEITH Licenses / Certifications

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

LAZOWICK, ALEXANDER SCOTT

301 EAST ATLANTIC BLVD
POMPANO BEACH FL 33060

LICENSE NUMBER: PE78625
EXPIRATION DATE: FEBRUARY 28, 2021
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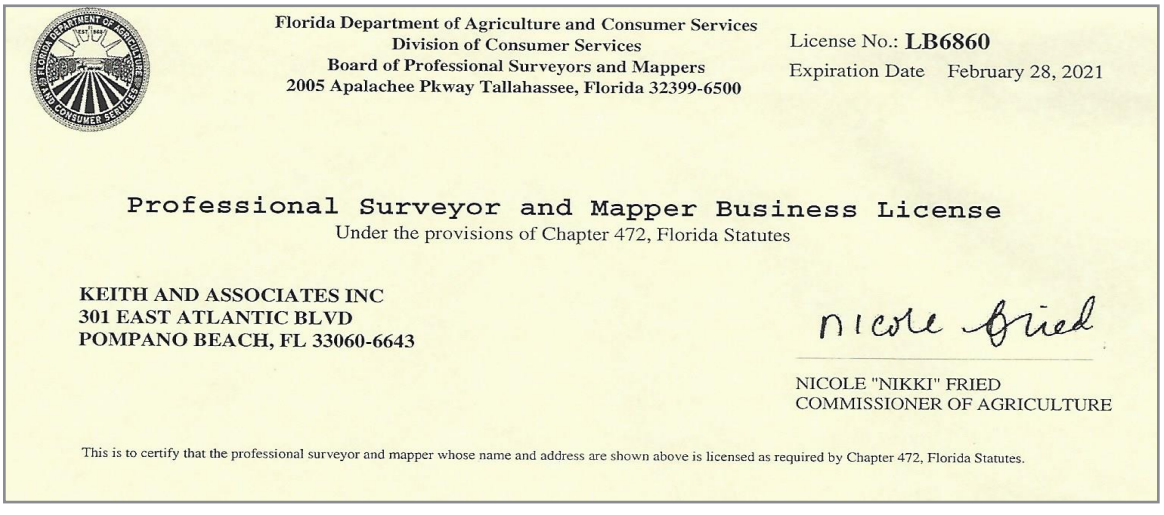


Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LB6860**
Expiration Date February 28, 2021

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

KEITH AND ASSOCIATES INC
301 EAST ATLANTIC BLVD
POMPANO BEACH, FL 33060-6643

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.

KEITH Licenses / Certifications

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.: LS5660
Expiration Date February 28, 2021

Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

MICHAEL MARK MOSSEY
11311 NW 37 ST.
SUNRISE, FL 33323

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.

BOARD OF LANDSCAPE ARCHITECTURE

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

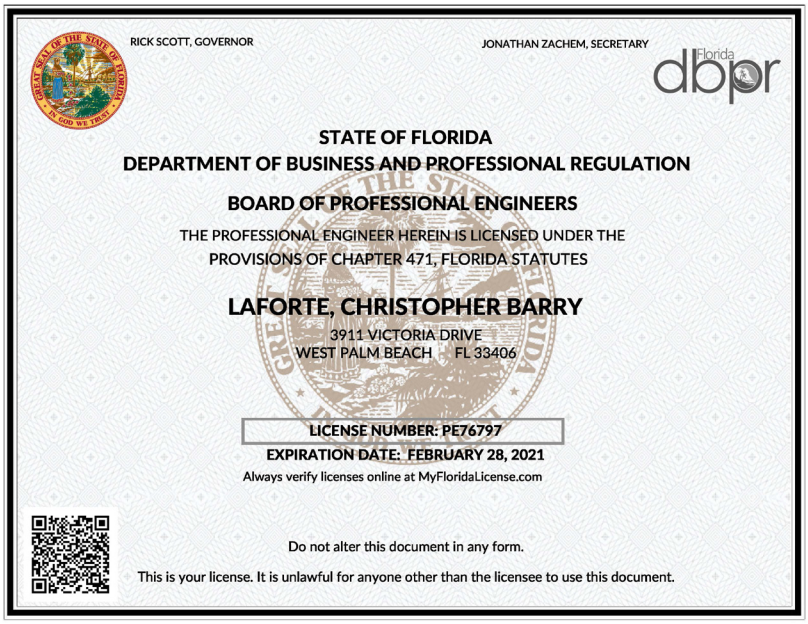
WEINBERG, PAUL HARVEY

140 NW 107TH TERRACE
PLANTATION FL 33324

LICENSE NUMBER: LA6666804

EXPIRATION DATE: NOVEMBER 30, 2021

WGI, Inc. Licenses / Certifications



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, 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

LAFORTE, CHRISTOPHER BARRY

3911 VICTORIA DRIVE
WEST PALM BEACH FL 33406

LICENSE NUMBER: PE76797
EXPIRATION DATE: FEBRUARY 28, 2021
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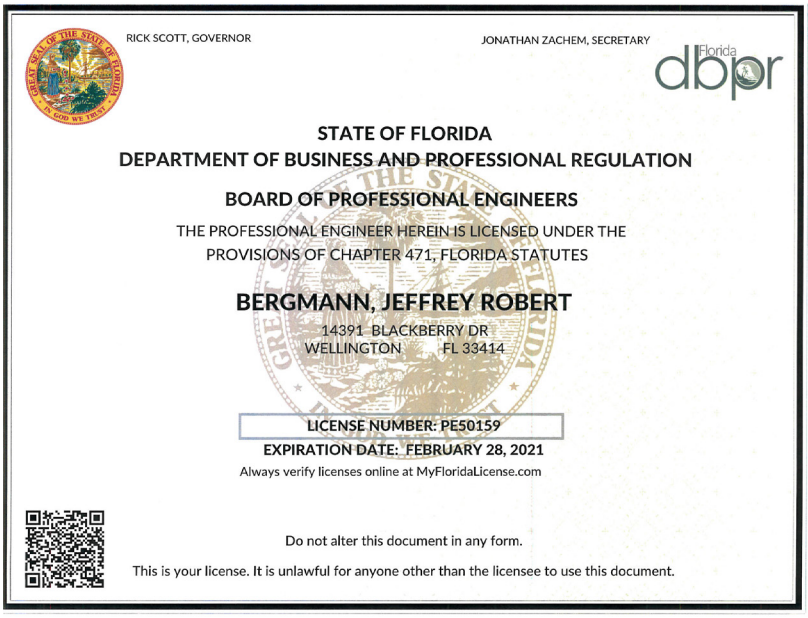

RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, 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

BERGMANN, JEFFREY ROBERT

14391 BLACKBERRY DR
WELLINGTON FL 33414

LICENSE NUMBER: PE50159
EXPIRATION DATE: FEBRUARY 28, 2021
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GLOBALTECH
A DESIGN BUILD COMPANY

Engineers ♦ Contractors
6001 Broken Sound Parkway NW, Suite 610
Boca Raton, FL 33487
P: (561) 997-6433
F: (561) 997-5811

globaltechdb.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

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

TIER 2 LOCAL VENDOR

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

And/Or

_____ 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

__X__ My firm does not qualify as a Tier 2 Vendor.

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

August 10, 2020
(Date)

Globaltech, Inc.
(Name of Firm)

BY: _____
(Name)

David Schuman, PE
Vice President of Engineering