

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: April 1, 2025 Consent [X] Regular []
Public Hearing []

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Work Order (WO) No. 6 to the Contract for Engineering and Construction Services for Optimization and Improvements Design-Build (Contract) with Globaltech, Inc., (Globaltech) for the General Facilities Safety Improvements (Project) for a Guaranteed Maximum Price in the amount of \$4,853,033.

Summary: On January 24, 2023, the Board of County Commissioners (BCC) approved the Palm Beach County Water Utilities Department (PBCWUD) Contract (R2023-0086) with Globaltech which had a start date of December 20, 2022. WO No. 6 provides for the safety and structural updates to several facilities that are owned, operated and maintained by PBCWUD. The facilities are Southern Region Water Reclamation Facility (SRWRF), Western Region Wastewater Treatment Plant (WRWWTP) and Western Region North Wastewater Treatment Plant (WRNWWTP), as well as Water Treatment Plant (WTP) Nos. 2 and 8. Work performed will include the installation of aluminum grating platforms, roof replacements and repairs at several buildings, handrail installations, concrete slab repairs and other safety items to ensure proper conditions for operations and maintenance personnel.

This Contract was presented to the Goal Setting Committee (Committee) on October 6, 2021, and the Committee established an Affirmative Procurement Initiative (API) of a minimum mandatory 20% Small Business Enterprise (SBE) subcontracting goal and an evaluation preference for up to 10 points for M/WBE participation and up to 5 points for Mentoring based upon the relative level of dollar participation. Globaltech committed to 24% SBE participation, which includes 12% Minority Business Enterprise (MBE) participation, 5.5% MBE (AA), 4% MBE (A), and 2.5% (HA). The SBE proposed participation for this WO No. 6 is 23.02%, which includes 7.71% MBE participation, 0.81 % MBE (AA), 6.90% MBE (A), and 0% MBE (HA). To date, the overall participation achieved on this Contract is 18.23% which includes 5.66% MBE participation, 2.19% MBE (AA), 3.46% MBE (A), and 0% MBE (HA). Globaltech is a Palm Beach County based company. The Project is included in the PBCWUD FY 2025 budget. (PBCWUD Project No. 25-014) Countywide (MWJ)

Background and Justification: PBCWUD owns, operates, and maintains five (5) water treatment plants and four (4) wastewater treatment plants. WTP Nos. 2 and 8, as well as SRWRF, WRWWTP and WRNWWTP are in need of several structural repairs and updates to ensure the safety of operations and maintenance personnel.

Attachments:

- 1. Two (2) Originals of Work Order No. 6
- 2. Location Map
- 3. EBIX Compliance Summary Report

Recommended By: Al Bayat 3/3/25
Department Director Date

Approved By: Phil J. Glavin 3/17/25
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2025	2026	2027	2028	2029
Capital Expenditures	\$4,853,033	0	0	0	0
Operating Costs	0	0	0	0	0
External Revenues	0	0	0	0	0
Program Income (County)	0	0	0	0	0
In-Kind Match County	0	0	0	0	0
NET FISCAL IMPACT	\$4,853,033	0	0	0	0
# ADDITIONAL FTE POSITIONS (Cumulative)	0	0	0	0	0

Budget Account No.: Fund 4001 Dept 720 Unit 2410 Object 4615

Is Item Included in Current Budget? Yes X No

Is this item using Federal Funds? Yes No X

Is this item using State Funds? Yes No X

Reporting Category N/A

B. Recommended Sources of Funds/Summary of Fiscal Impact:

One (1) time expenditure from user fees, connection fees and balance brought forward.

C. Department Fiscal Review: See Encl for EIR

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:

Asob... 3/6/2025
OFMB OFF 8/5
MTC 3/5

Brundage... 3/10/25
Contract Development and Control
76 3/10/25

B. Legal Sufficiency:

[Signature] 3/11/25
Assistant County Attorney

C. Other Department Review:

Department Director

This summary is not to be used as a basis for payment.

WORK ORDER NO. 6
Palm Beach County Water Utilities Department
Optimization and Improvements Design-Build
Resolution No. R2023-0086 Contract Dated December 20, 2022

Project Title: Critical Facilities Safety Improvements

PBCWUD Project No.: 25-014

Design-Build Entity: Globaltech, Inc.

Address: 901 Yamato Rd. Ste. 220, Boca Raton, Florida 33431

Budget Line Item No.: 4001 - 720 - 2470 - 4615

District: 2,3,5 and 6

This Work Order provides general facilities safety improvements to enhance the operational efficiency and safety of Water Treatment Plants (WTPs) 2 and 8 as well as Southern Region Water Reclamation Facility (SRWRF), Western Region Wastewater Treatment Plant (WRWWTP) and Western Region North Wastewater Treatment Plant (WRNWWTP). These improvements focus on structural enhancements to maintain facility integrity, equipment upgrades, and access and personnel safety measures to ensure compliance with industry standards and regulations. Palm Beach County Water Utilities Department (PBCWUD) has identified various desired improvements.

See **ATTACHMENT A** for a detailed scope of services.

The Contract provides 24% SBE participation, including 12% MBE participation, 5.5% MBE (AA), 4% MBE (A), and 2.5% MBE (H). This Work Order includes 23.02% overall participation, which includes 7.71% MBE participation, 0.81% MBE (AA), 6.90% MBE (A), and 0% MBE (H). The cumulative SBE participation, including this Work Order, is 18.23%, which includes 5.66% MBE participation, 2.19% MBE (AA), 3.46% MBE (A), and 0% MBE (H).

1. Services completed by the Design-Build Entity to date:

See **ATTACHMENT B**.

2. Design-Build Entity shall begin work from the issuance of the notice to proceed (NTP), which will have an effective date of December 20, 2022. Execution of the Project will be accomplished as follows from the issuance of the NTP:

Substantial Completion 420 Calendar Days
Final Construction Completion 480 Calendar Days

Liquidated damages will apply as follows:

\$1,000.00 per day past substantial completion date.
\$500.00 per day past final completion date.

3. The Guaranteed Maximum Price compensation to be paid to the Design-Build Entity for providing the requested services in accordance with the Contract Bid Prices is \$4,853,033.00
4. This Work Order does not amend, change, or modify the Contract, which remains in full force and effect.
5. All attachments to this Work Order are incorporated herein and made a part of this Work Order.

WORK ORDER NO. 6
Palm Beach County Water Utilities Department
Optimization and Improvements Design-Build
Resolution No. R2023-0086 Contract Dated December 20, 2022

Project Title: Critical Facilities Safety Improvements

PBCWUD Project No.: 25-014

IN WITNESS WHEREOF, this Work Order is accepted, subject to the terms, conditions, and obligations of the aforementioned Contract.

PALM BEACH COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA

Joseph Abruzzo, Clerk of the Circuit Court
& Comptroller, Palm Beach County

Palm Beach County,
Board of County Commissioners

ATTEST:

Signed: _____

Signed: _____ *ET*

Typed Name: _____
Deputy Clerk

M3 Maria G. Marino, Mayor

(Date)

Globaltech, Inc.
(Design-Build Entity)

Approved as to Form and Legal Sufficiency

Bruce Rahmani, PE
(Print Name)

Signed: _____

B. Rahmani
(Signature)

Typed Name: Michael W. Jones
County Attorney

Vice President of Construction
(Title)

2/25/2025
(Date)

STATE OF FLORIDA

COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me by means of ☒ physical presence ☐ online notarization on this
or 25 day of February 2025 by Bruce Rahmani, who is ☒ personally known to me

or ☐ has produced _____ as identification.



(Signature of Notary Public - State of Florida)

(Print, Type, or Stamp Commissioned Name of Notary Public)

LIST OF ATTACHMENTS

ATTACHMENT A	Scope of Work
ATTACHMENT B	Summary and Status of Work Orders
ATTACHMENT C	Public Construction Bond
ATTACHMENT D	Form of Guarantee
ATTACHMENT E	Work Order Schedule of Bid Items
ATTACHMENT F	OEBO Schedules 1 and 2
ATTACHMENT G	Summary of SBE-M/WBE Business Tracking
ATTACHMENT H	Location Map
ATTACHMENT I	Design-Build Criteria
ATTACHMENT J	Supporting Document

ATTACHMENT A

SCOPE OF WORK

PBCWUD PROJECT NO.: 25-014

PROJECT TITLE: Critical Facilities Safety Improvements

Globaltech, Inc. (DESIGN-BUILD ENTITY) shall perform the Scope of Services as described in the Design-Criteria Report and as further described herein:

Summary of Work:

The proposed work to be performed by the Design-Build Entity includes furnishing and installing all materials, labor, equipment and expertise including necessary tools, supervision, and services required to design, permit, purchase, demolish, construct, train, test, commission, startup and place into service complete and operational systems as described herein. All materials and equipment used shall be selected to be resistant to corrosive attacks from continuous exposure to various solids and liquids present on site and compatible with the intended service environment, such as exposure to weather (e.g. wind, rain), dust, sunlight, water, wastewater or chemicals.

WRWWTP

- At Headworks, provide and install a new aluminum grating platform with posts and handrails. The platform will be on the same level as the existing roof deck. Extend existing platforms to accommodate a new elevated platform and walk-around area.
- Installation of a new aluminum metal post and rail at the oxidation basin.
- Thickener, Blower, and Return Activated Sludge/Waste Activated Sludge (RAS/WAS) system metal roof replacement. Below are the dimensions for the Aluminum Canopy Structures:
 - Thickener Height: 193 inch – Roof 330 inch x 470 inch
 - Blower Height: 146 inch – Roof 254 inch x 174 inch
 - RAS/WAS Height: 96 inch – Roof 123 inch x 76 inch

WRNWWTP

- Repair the undermined slab at the digester. Helical piles will be placed around the perimeter and in the middle of the slab. The crevice between the underside of the slab and settle the ground will be filled with flowable fill or lightweight foam.
- Furnish and install a new aluminum staircase and platform at the digester. Aluminum frames will be installed on concrete piles with helical piles. The aluminum staircase consisting of three (3) flights and two (2) intermediate landings, supported by aluminum column frames. The final flight will be supported by a new platform anchored to the digester wall.
- Repair spalled concrete at the aeration basin. Epoxy concrete at around 50 locations. Provide concrete screws in the hold wall for mechanical anchoring.

SRWRF

- Install Removable aluminum handrails around the thickener and belt press pits in the solids building.
- Add aluminum support beams and diamond plate decking to the effluent discharge troughs on eight (8) clarifiers. The diamond plate will redirect wastewater gases out of the staff's way
- Install aluminum handrails to aeration steps going to the aeration basins in approximately eight (8) walkways.
- Emergency blower shutdown buttons on the aeration Input/Output (I/O) panels.
- Add a rupture disk to digester feed lines to prevent progressive cavity pumps from over-pressurizing the pipeline. The pipe and fittings between the discharge and suction sides of the pump will be Ductile Iron 401 lined.
- Replace the existing aluminum hatch and frame inside the screening with a removable stainless-steel cover and framing.
- Repair the hatch cover locking mechanism on the seven (7) existing hatches around the Aerated grit tank and install a fiberglass safety fall protection grating under the hatch opening.
- Cut in two (2) new stainless-steel 3 feet X 3 feet access hatch in the aerated grit area.
- Add approximately 16 inch high single aluminum safety rail to the top of the clarifier walls to meet Occupational Safety and Health Administration (OSHA)'s minimum 42 inch distance above the walking/working surface.

WTP 2

- Replace the Fiberglass Reinforced Plastic (FRP) cover system with an in-kind FRP cover for the Magnetic Ion Exchange (MIEX) basin. The Table below specifies the FRP covers

Location	Qty	W x L (feet)	Support Beam	Access Hatch	Cover Panels Material	Components Material
RAW INFLUENT	1	8x23	(8) WF6X6	N/A	Fiberglass Reinforces Polymer (FRP) Iso-polyester Resin Charcoal Gray	Structural Beam (FRP)
CONTACTOR EFFLUENT	1	4.5x51.5	(8) WF6X6	2		Beam seats (316SS)
CONTACTOR EFFLUENT	1	4.5x10	(2) WF6X6	N/A		Clip angles (316SS)
CONTACTOR 1 & 2	2	22 x 25	(80) WF6X6	16		Anchor bolts (316SS)

- Install new owner-furnished loaded resin tank. Globaltech will provide miscellaneous Polyvinyl Chloride (PVC) pipe and fittings to complete the tank replacement.

WTP 8

- Install approximately 250 feet of aluminum handrail at the Filter Building and modify existing aluminum grading as needed.

Owner Furnished Equipment

- Loaded Resin Tank (WTP2) Water Treatment Plant 2.

WORK ORDER NO. 6
Palm Beach County Water Utilities Department
Optimization and Improvements Design-Build
Resolution No. R2023-0086 Contract Dated December 20, 2022

Prescriptive Criteria

- No specific manufacturer's materials are specified.

Wind and Seismic Loading

- Exterior system components shall be designed to meet or exceed the Florida Building Code (FBC) High Velocity Hurricane Zone (HVHZ) requirements supplemented by American Society of Civil Engineers (ASCE) 7-10 wind loading requirements using an ultimate wind speed of 183 mph and exposure C and seismic loads 2021 IBC/ASCE 71-0 Ss=0.049g Si=0.025G shall comply with Design Code ASTM D3299 and ASTM D4097.

Allowances

- Clarifier 1 & 2 Access Platform allowance added to the take off in the amount of \$600,000.00
- Western Region Wastewater Treatment Plant (WRWWTP) 8 inch plug valve relocation and actuator addition allowance added to the take off in the amount of \$350,000.00
- Miscellaneous Safety Improvements allowance added to the takeoff in the amount of \$250,000.00

Permits and Fees

The Design-Build Entity shall secure all permits required to complete the work under this contract. The Design-Build Entity shall be responsible for all inspections and requirements to close-out the completed permits. The Owner will pay all permit fees. The Design-Build Entity shall be responsible for all Business tax fees for work within Palm Beach County or Municipalities. The following permits may be required for this project: Palm Beach County Health Department Permit and Palm Beach County Planning Zoning and Building - Building Division Permit(s).

ATTACHMENT B

SUMMARY AND STATUS OF WORK ORDERS

[illegible]



February 25, 2025

Palm Beach County
301 N Olive Avenue,
West Palm Beach, FL 33401

RE: Globaltech, Inc

Bond No. SU1201320
Project: R2023-0086 Work Order #6 PBCWUD 25-014 – Critical Facilities Safety
Improvements

To Whom it May Concern:

Please allow this letter to service as formal authorization for **Globaltech, Inc** and/or **Palm Beach County** to date the captioned bond, power of attorney to coincide with the Contract Date and the form of guarantee upon substantial completion. Please note the bond date cannot be prior to the contract date.

Please provide the bond date and send back to our office via email as soon as possible:

Bond Date: _____

Thank you and should you have any questions or need any additional information, please feel free to contact our office anytime.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Brett Rosenhaus', with a horizontal line extending to the right.

Brett Rosenhaus
Attorney-in-Fact

220 Congress Park Drive, Suite 100, Delray Beach, FL 33445

ATTACHMENT C

PUBLIC CONSTRUCTION BOND – WORK ORDER NO. 6
OPTIMIZATION AND IMPROVEMENTS DESIGN-BUILD
RESOLUTION NO. R2023-0086 Contract Dated December 20, 2022

PROJECT TITLE: Critical Facilities Safety Improvements

PBCWUD PROJECT NO.: 25-014

BOND NUMBER: SU1201320

WORK ORDER/BOND AMOUNT: \$4,853,033.00

DESIGN-BUILD ENTITY'S NAME: Globaltech, Inc.

DESIGN-BUILD ENTITY'S ADDRESS: 901 Yamato Rd., Ste. 220
Boca Raton, FL 33431

DESIGN-BUILD ENTITY'S PHONE: 561-997-6433

SURETY COMPANY: Arch Insurance Company

SURETY'S ADDRESS: Harborside 3, 210 Hudson Street, Suite 300
Jersey City, NJ 07311

OWNER'S NAME: PALM BEACH COUNTY WATER UTILITIES DEPARTMENT

OWNER'S ADDRESS: 8100 Forest Hill Boulevard
West Palm Beach, FL 33413

OWNER'S PHONE: (561) 493-6000

DESCRIPTION OF WORK: General facilities safety improvements to enhance the operational efficiency and safety of Water Treatment Plants (WTP) 2 and 8 as well as Southern Region Water Reclamation Facility (SRWRF), Western Region Wastewater Treatment Plant (WRWWTP) and Western Region North Wastewater Treatment Plant (WRNWWTP)

PROJECT LOCATION: Southern Regional Water Reclamation Facility (SRWRF), Western Region Wastewater Treatment Plant (WRWWTP), Western Region North Wastewater Treatment Plant (WRNWWTP), Water Treatment Plant 2 (WTP2), Water Treatment Plant 8 (WTP8)

Revised 03-05-24

PUBLIC CONSTRUCTION BOND NO. SU1201320

This Bond is issued in favor of the County conditioned on the full and faithful performance of the Work Order No. 6 to the Optimization and Improvements Design-Build Contract Resolution No. R2023-0086 dated on December 20, 2022.

KNOW ALL MEN BY THESE PRESENTS: that Contractor and Surety, are held and firmly bound unto

Palm Beach County Board of County Commissioners
301 N. Olive Avenue
West Palm Beach, Florida 33401

as Obligee, herein called County, for the use and benefit of claimant as herein below defined, in the amount of four million eight hundred fifty three thousand thirty three hundred dollars and zero cents, **\$4,853,033.00**

for the payment whereof Principal and Surety bind themselves, their heirs, personal representatives, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS,

Principal has by written agreement dated _____, 2025, entered into Work Order No. 6 to the Optimization and Improvements Design-Build Contract Resolution No. R2023-0086 with the County for:

Work Order Project Name: Critical Facilities Safety Improvements

Work Order Project No.: PBCWUD 25-014

Project Description: General facilities safety improvements to enhance the operational efficiency and safety of Water Treatment Plants (WTP) 2 and 8 as well as Southern Region Water Reclamation Facility (SRWRF), Western Region Wastewater Treatment Plant (WRWWTP), and Western Region North Wastewater Treatment Plant (WRNWWTP).

Project Location: Southern Regional Water Reclamation Facility (SRWRF), Western Region Wastewater Treatment Plant (WRWWTP), Western Region North Wastewater Treatment Plant (WRNWWTP), Water Treatment Plant 2 (WTP2), Water Treatment Plant 8 (WTP8),

in accordance with Design Criteria Drawings and Specifications prepared by

Name of Design Firm: Palm Beach County Water Utilities Department

Location of Firm: 8100 Forest Hill Blvd. West Palm Beach, FL 33413

Phone: 561-493-6000

Fax: 561-493-6008

which Work Order No. 6 to the Optimization and Improvements Design-Build Contract Resolution No. R2023-0086 is by reference made a part hereof in its entirety, and is hereinafter referred to as the Work Order.

1. THE CONDITION OF THIS BOND is that if Principal:

a. Performs the Work Order dated _____, 2025, between Principal and County for the construction of the above project, the Work Order being made a part of this bond by reference, at the times and in the manner prescribed in the Work Order; and

Revised 03-05-24

b. Promptly makes payments to all claimants, as defined in Section 255.05, Florida Statutes, supplying Principal with labor, materials, or supplies, used directly or indirectly by Principal in the prosecution of the work provided for in the Work Order; and

c. Pays County all losses, damages (including liquidated damages), expenses, costs, and attorneys' fees, including appellate proceedings, that County sustains because of a default by Principal under the Work Order; and

d. Performs the guarantee of all work and materials furnished under the Work Order for the time specified in the Work Order; then this bond is void; otherwise it remains in full force.

2. Any changes in or under the contract documents and compliance or noncompliance with any formalities connected with the Work Order or the changes does not affect Surety's obligation under this bond and Surety waives notice of such changes.

3. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of construction liens which may be filed of record against said improvement, whether or not claim for the amount of such lien be presented under and against the bond.

4. Principal and Surety expressly acknowledge that any and all provisions relating to consequential, delay and liquidated damages contained in the Work Order are expressly covered by and made a part of this Performance, Labor and Material Payment Bond. Principal and Surety acknowledge that any such provisions lie within their obligations and within the policy coverage's and limitations of this instrument.

5. Section 255.05, Florida Statutes, as amended, together with all notice and time provisions contained therein, is incorporated herein, by reference, in its entirety. Any action instituted by a claimant under this bond for payment must be in accordance with the notice and time limitation provisions in Section 255.05(2), Florida Statutes. This instrument regardless of its form, shall be construed and deemed a statutory bond issued in accordance with Section 255.05, Florida Statutes.

6. Any action brought under this instrument shall be brought in the state court of competent jurisdiction in Palm Beach County, Florida and not elsewhere.

R. Cloyd
Witness

Rachael Cloyd
Print Name

Kailee Rosenhaus
Witness

Kailee Rosenhaus
Print name

Globaltech, Inc.
Principal (Seal)

B. Rahmani
Bruce Rahmani, PE

Vice President of Construction
Title

Arch Insurance Company
Surety (Seal)

Brett Rosenhaus
Brett Rosenhaus

Attorney-in-Fact
Title

ATTACHMENT D

FORM OF GUARANTEE

GUARANTEE FOR Globaltech, Inc. and Arch Insurance Company

We the undersigned hereby guarantee that the **Optimization and Improvements Design-Build, Resolution No. R2023-0086, Contract Dated December 20, 2022, PBCWUD Project No. 25-014 , Work Order No. 6, Project Title: Critical Facilities Safety Improvements**, Palm Beach County, Florida, which we have constructed and bonded, has been done in accordance with the plans and specifications; that the work constructed will fulfill the requirements of the guaranties included in the Contract Documents. We agree to repair or replace any or all of our work, together with any work of others which may be damaged in so doing, that may prove to be defective in the workmanship or materials within a period of one year from the date of Final Completion of all of the above named work by the County of Palm Beach, State of Florida, without any expense whatsoever to said County of Palm Beach, ordinary wear and tear and unusual abuse or neglect excepted by the County. The date of Final Completion shall be the date set forth on the fully executed and acknowledged Contractor's Certification of Final Completion form. When correction work is started, it shall be carried through to completion.

In the event of our failure to acknowledge notice, and commence corrections of defective work within five (5) calendar days after being notified in writing by the Board of County Commissioners, Palm Beach County, Florida, we, collectively or separately, do hereby authorize Palm Beach County to proceed to have said defects repaired and made good at our expense and we will honor and pay the costs and charges therefore upon demand.

County and (Design-Build Entity, engineer, architect as applicable) agree that the provisions of Florida Statute Chapter 558 shall not apply to Contract/Agreement.

SEAL AND NOTARIAL ACKNOWLEDGMENT OF SURETY

Globaltech, Inc.(Seal)
(Design-Build Entity)

By: B. Rahmani
(Signature)

Bruce Rahmani, PE, VP of Construction
(Print Name)

Arch Insurance Company(Seal)
(Surety)

By: Brett Rosenhaus
(Signature)

Brett Rosenhaus, Attorney-in-Fact
(Print Name)

Revised 03-05-24

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated. Not valid for Note, Loan, Letter of Credit, Currency Rate, Interest Rate or Residential Value Guarantees.

POWER OF ATTORNEY

Know All Persons By These Presents:

That the Arch Insurance Company, a corporation organized and existing under the laws of the State of Missouri, having its principal administrative office in Jersey City, New Jersey (hereinafter referred to as the "Company") does hereby appoint:

Brett Rosenhaus of Delray Beach, FL, Charles D. Nielson, Charles J. Nielson, David R. Hoover and Jarrett Merlucci of Miami Lakes, FL (EACH) F. Danny Gann, Edward T. Ward and Audria R. Ward of Atlanta, GA (EACH) John R. Neu and Kevin Wojtowicz of St. Petersburg, FL (EACH) Laura D. Mosholder of Orlando, FL

its true and lawful Attorney(s)in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed: Any and all bonds, undertakings, recognizances and other surety obligations, in the penal sum not exceeding One Hundred Fifty Million Dollars (\$150,000,000.00). This authority does not permit the same obligation to be split into two or more bonds In order to bring each such bond within the dollar limit of authority as set forth herein.

The execution of such bonds, undertakings, recognizances and other surety obligations in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal administrative office in Jersey City, New Jersey.

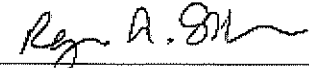
This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on August 31, 2022, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:

"VOTED, That the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them subject to the limitations set forth in their respective powers of attorney, to execute on behalf of the Company, and attach the seal of the Company thereto, bonds, undertakings, recognizances and other surety obligations obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."

This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on August 31, 2022:

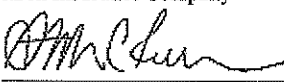
VOTED, That the signature of the Chairman of the Board, the President, or the Executive Vice President, or any Senior Vice President, of the Surety Business Division, or their appointees designated in writing and filed with the Secretary, and the signature of the Secretary, the seal of the Company, and certifications by the Secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to the resolution adopted by the Board of Directors on August 31, 2022, and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the Company. In Testimony Whereof, the Company has caused this instrument to be signed and its corporate seal to be affixed by their authorized officers, this 30th day of March, 2023.

Attested and Certified

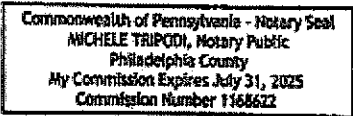

Regan A. Shulman, Secretary

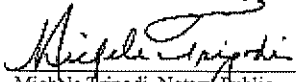
STATE OF PENNSYLVANIA SS
COUNTY OF PHILADELPHIA SS



Arch Insurance Company

Stephen C. Ruschak, Executive Vice President

I, Michele Tripodi, a Notary Public, do hereby certify that Regan A. Shulman and Stephen C. Ruschak personally known to me to be the same persons whose names are respectively as Secretary and Executive Vice President of the Arch Insurance Company, a Corporation organized and existing under the laws of the State of Missouri, subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that they being thereunto duly authorized signed, sealed with the corporate seal and delivered the said instrument as the free and voluntary act of said corporation and as their own free and voluntary acts for the uses and purposes therein set forth.

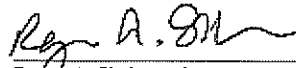



Michele Tripodi, Notary Public
My commission expires 07/31/2025

CERTIFICATION

I, Regan A. Shulman, Secretary of the Arch Insurance Company, do hereby certify that the attached Power of Attorney dated March 30, 2023 on behalf of the person(s) as listed above is a true and correct copy and that the same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said Stephen C. Ruschak, who executed the Power of Attorney as Executive Vice President, was on the date of execution of the attached Power of Attorney the duly elected Executive Vice President of the Arch Insurance Company.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the Arch Insurance Company on this day of , 20 25.


Regan A. Shulman, Secretary

This Power of Attorney limits the acts of those named therein to the bonds and undertakings specifically named therein and they have no authority to bind the Company except in the manner and to the extent herein stated.

PLEASE SEND ALL CLAIM INQUIRIES RELATING TO THIS BOND TO THE FOLLOWING ADDRESS:

Arch Insurance – Surety Division
3 Parkway, Suite 1500
Philadelphia, PA 19102



To verify the authenticity of this Power of Attorney, please contact Arch Insurance Company at SuretyAuthentic@archinsurance.com
Please refer to the above named Attorney-in-Fact and the details of the bond to which the power is attached.

ATTACHMENT E

WORK ORDER SCHEDULE OF BID ITEMS

Revised 03-05-24

**PBC Water Utilities Department
 120491 PBC Critical Facilities Safety Improvements**

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
1 General Requirements								
Sr. Estimator (E6)		HR	100	292.81	29,281.00		1.0000	29,281.00
Estimator		HR	200	103.93	20,786.00		1.0000	20,786.00
Submittal Labor (CM 4)		HR	80	154.21	12,336.80		1.0000	12,336.80
O&M (CM 4)		HR	40	154.21	6,168.40		1.0000	6,168.40
Progress Meetings (CM 6)		HR	100	256.46	25,646.00		1.0000	25,646.00
Construction Scheduler		HR	200	162.32	32,464.00		1.0000	32,464.00
Sr. Project Manager (E6)		HR	200	292.81	58,562.00		1.0000	58,562.00
Construction PM 4 (CM 4)		HR	500	154.21	77,105.00		1.0000	77,105.00
Construction PM 2 (CM 2)		HR	250	103.93	25,982.50		1.0000	25,982.50
Purchasing & Subcontract (CM 4)		HR	200	154.21	30,842.00		1.0000	30,842.00
Bldg Permits Application & Coordination (CM 4)		HR	80	154.21	12,336.80		1.0000	12,336.80
Construction Admin		HR	300	92.19	27,657.00		1.0000	27,657.00
Bid Item Totals:					359,167.50			359,167.50
2 Sitework								
WTP 2								
Mob/Demob								
4-Man Crew		CR-D	4	2,628.31	10,513.24		1.0000	10,513.24
Construction PM 4		HR	16	154.21	2,467.36		1.0000	2,467.36
Construction Superintendent		HR	16	165.50	2,648.00		1.0000	2,648.00
Temporary Facilities								
Container Rental		MONTH	4	300.00	1,200.00	7.00	1.1500	1,476.60
Sanitary		MONTH	4	400.00	1,600.00	7.00	1.1500	1,968.80
Jobsite Office Supplies		LS	1	1,000.00	1,000.00	7.00	1.1500	1,230.50
Waste Hauling		EA	8	874.00	6,992.00	7.00	1.1500	8,603.66
Site Cleanup & Restoration		LS	1	1,500.00	1,500.00	7.00	1.1500	1,845.75
Labor		CR-D	4	2,628.31	10,513.24		1.0000	10,513.24

Takeoff Worksheet

02/19/25

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Pahokee WWTP								
Mob/Demob								
4-Man Crew		CR-D	4	2,628.31	10,513.24		1.0000	10,513.24
Construction PM 4		HR	16	154.21	2,467.36		1.0000	2,467.36
Construction Superintendent		HR	16	165.50	2,648.00		1.0000	2,648.00
Temporary Facilities								
Container Rental		MONTH	6	300.00	1,800.00	7.00	1.1500	2,214.90
Sanitary		MONTH	6	400.00	2,400.00	7.00	1.1500	2,953.20
Jobsite Office Supplies		LS	1	1,000.00	1,000.00	7.00	1.1500	1,230.50
Waste Hauling		EA	6	874.00	5,244.00	7.00	1.1500	6,452.74
Site Cleanup & Restoration		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Labor		CR-D	5	2,628.31	13,141.55		1.0000	13,141.55
Belle Glade WWTP								
Mob/Demob								
4-Man Crew		CR-D	4	2,628.31	10,513.24		1.0000	10,513.24
Construction PM 4		HR	16	154.21	2,467.36		1.0000	2,467.36
Construction Superintendent		HR	16	165.50	2,648.00		1.0000	2,648.00
Temporary Facilities								
Container Rental		MONTH	6	300.00	1,800.00	7.00	1.1500	2,214.90
Sanitary		MONTH	6	400.00	2,400.00	7.00	1.1500	2,953.20
Jobsite Office Supplies		LS	1	1,000.00	1,000.00	7.00	1.1500	1,230.50
Waste Hauling		EA	6	874.00	5,244.00	7.00	1.1500	6,452.74
Site Cleanup & Restoration		LS	1	2,500.00	2,500.00	7.00	1.1500	3,076.25
Labor		CR-D	4	2,628.31	10,513.24		1.0000	10,513.24
WTP 8								
Mob/Demob								
4-Man Crew		CR-D	2	2,628.31	5,256.62		1.0000	5,256.62
Construction PM 4		HR	8	154.21	1,233.68		1.0000	1,233.68

Takeoff Worksheet

02/19/25

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Construction Superintendent		HR	8	165.50	1,324.00		1.0000	1,324.00
Temporary Facilities								
Sanitary		MONTH	2	400.00	800.00	7.00	1.1500	984.40
Waste Hauling		EA	1	874.00	874.00	7.00	1.1500	1,075.46
Site Cleanup & Restoration		LS	1	500.00	500.00	7.00	1.1500	615.25
Labor		CR-D	2	2,628.31	5,256.62		1.0000	5,256.62
SRWRF								
Mob/Demob								
4-Man Crew		CR-D	6	2,628.31	15,769.86		1.0000	15,769.86
Construction PM 4		HR	32	154.21	4,934.72		1.0000	4,934.72
Construction Superintendent		HR	32	165.50	5,296.00		1.0000	5,296.00
Temporary Facilities								
Container Rental		MONTH	8	300.00	2,400.00	7.00	1.1500	2,953.20
Sanitary		MONTH	8	400.00	3,200.00	7.00	1.1500	3,937.60
Jobsite Office Supplies		LS	1	2,000.00	2,000.00	7.00	1.1500	2,461.00
Waste Hauling		EA	8	874.00	6,992.00	7.00	1.1500	8,603.66
Site Cleanup & Restoration		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Labor		CR-D	5	2,628.31	13,141.55		1.0000	13,141.55
Startup Crew		CR-D	4	2,628.31	10,513.24		1.0000	10,513.24
Punch Out Crew		CR-D	20	2,628.31	52,566.20		1.0000	52,566.20
Asset Management								
Sr. Project Manager		HR	8	292.12	2,336.96		1.0000	2,336.96
Construction PM 4		HR	20	154.21	3,084.20		1.0000	3,084.20
Construction Admin		HR	10	92.20	922.00		1.0000	922.00
Bid Item Totals:					262,135.48			275,837.79

Takeoff Worksheet

02/19/25

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
3 Concrete								
Pahokee WWTP								
Concrete Pile Cap - 7'X2'								
Form & Materials		LS	1	600.00	600.00	7.00	1.1500	738.30
Cast In Place Concrete		YD	1	260.00	260.00	7.00	1.1500	319.93
Short Load Fee		EA	1	450.00	450.00	7.00	1.1500	553.73
Concrete Labor (4-Man Crew)		CR-D	4	2,628.31	10,513.24		1.0000	10,513.24
Digester - Core Drill Existing Slab (4-Man Crew)								
		CR-D	3	2,628.31	7,884.93		1.0000	7,884.93
Concrete Removal & Disposal (4-Man Crew)								
		CR-D	2	2,628.31	5,256.62		1.0000	5,256.62
Flowable Fill								
		CY	1	260.00	260.00	7.00	1.1500	319.93
Short Load Fee		EA	1	450.00	450.00	7.00	1.1500	553.73
Concrete Pump		LS	1	950.00	950.00	7.00	1.1500	1,168.98
Concrete Labor (4-Man Crew)		CR-D	2	2,628.31	5,256.62		1.0000	5,256.62
Aeration Basin - Concrete Spalling								
Misc. Application Materials - Bonding Agent &		LS	1	4,000.00	4,000.00	7.00	1.1500	4,922.00
Sealant & Epoxy		LS	1	4,500.00	4,500.00	7.00	1.1500	5,537.25
Labor		CR-D	25	2,628.31	65,707.75		1.0000	65,707.75
SRWRF								
Aerated Grit Tank - New Concrete Openings								
Concrete Cutting (4-Man Crew)								
		CR-D	2	2,628.31	5,256.62		1.0000	5,256.62
Concrete Removal & Disposal (4-Man Crew)								
		CR-D	2	2,628.31	5,256.62		1.0000	5,256.62
Joint Sealant, Bonding Agent & Misc. Materials								
		LS	1	3,000.00	3,000.00	7.00	1.1500	3,691.50
Installation Labor (4-Man Crew)								
		CR-D	7	2,628.31	18,398.17		1.0000	18,398.17
All Clarifiers - Concrete Pad for Landing Platform								
Form & Materials								
		EA	8	500.00	4,000.00	7.00	1.1500	4,922.00
Cast In Place Concrete								
		YD	7	260.00	1,820.00	7.00	1.1500	2,239.51
Short Load Fee								
		EA	4	450.00	1,800.00	7.00	1.1500	2,214.90
Concrete Labor (4-Man Crew)								
		CR-D	16	2,628.31	42,052.96		1.0000	42,052.96

Takeoff Worksheet

02/19/25

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Construction Superintendent		HR	116	165.50	19,198.00		1.0000	19,198.00
Construction Assistant		HR	60	78.28	4,696.80		1.0000	4,696.80
Bid Item Totals:					211,568.33			216,660.09
5 Metals								
WTP 2								
MIEX Covers	Moss Kelley, Inc.	LS	1	354,900.00	354,900.00	7.00	1.1500	436,704.45
Removal & Installation (5-Man Crew)		CR-D	30	3,245.16	97,354.80		1.0000	97,354.80
WTP 8								
Filter Building Guardrail & Grating Modification	APEX Welding Services, Corp	LS	1	49,950.00	49,950.00		1.1000	54,945.00
Installation (4-Man Crew)		CR-D	5	2,628.31	13,141.55		1.0000	13,141.55
Pahokee WWTP								
Digester - New Aluminum Stair & Platform	APEX Welding Services, Corp	LS	1	98,262.50	98,262.50		1.1000	108,088.75
Helical Piles for Platform	X-Treme Industries	EA	6	1,695.00	10,170.00		1.1000	11,187.00
Helical Piles for Slab	X-Treme Industries	EA	18	1,695.00	30,510.00		1.1000	33,561.00
Installation (4-Man Crew)		CR-D	5	2,628.31	13,141.55		1.0000	13,141.55
Belle Glade WWTP								
Headworks - Aluminum Platform w/ Handrail - 2	APEX Welding Services, Corp	LS	1	79,328.50	79,328.50		1.1000	87,261.35
Thickener, Blower, RAS/WAS System Metal	Walker Design & Construction	LS	1	102,409.00	102,409.00		1.1000	112,649.90
Installation (4-Man Crew)		CR-D	10	2,628.31	26,283.10		1.0000	26,283.10
SRWRF								
Screening Room - SS Diamond Plate Hatch	APEX Welding Services, Corp	LS	1	9,700.00	9,700.00		1.1000	10,670.00
Aerated Grit Tank - Safety Grating for Existing	APEX Welding Services, Corp	EA	7	3,960.00	27,720.00		1.1000	30,492.00
Aerated Grit Tank - New SS Hatches & SS Sup	APEX Welding Services, Corp	EA	2	21,450.00	42,900.00		1.1000	47,190.00
All Clarifiers - Diamond Plate w/ Beam Support	APEX Welding Services, Corp	EA	8	4,500.00	36,000.00		1.1000	39,600.00
All Clarifiers - Stairs & Rails	APEX Welding Services, Corp	EA	8	4,350.00	34,800.00		1.1000	38,280.00
All Clarifiers - Fall Safety/Perimeter Guide Rail	APEX Welding Services, Corp	EA	8	19,074.00	152,592.00		1.1000	167,851.20
Aeration Tanks - Aluminum Stair Rail	APEX Welding Services, Corp	EA	10	4,190.00	41,900.00		1.1000	46,090.00
Solids Building - Aluminum Removable Rails,	APEX Welding Services, Corp	LS	1	67,550.50	67,550.50		1.1000	74,305.55

Takeoff Worksheet

02/19/25

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
RAS/WAS Pump Station - Clevis Hangers/Pipe Installation (4-Man Crew)	McDade Waterworks, Inc.	LS	1	14,933.44	14,933.44	7.00	1.1500	18,375.60
		CR-D	10	2,628.31	26,283.10		1.0000	26,283.10
Construction Superintendent		HR	200	165.50	33,100.00		1.0000	33,100.00
Construction Assistant		HR	100	78.28	7,828.00		1.0000	7,828.00
Bid Item Totals:					1,370,758.04			1,534,383.90
9 Finishes								
Signs & Labels		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
SRWRF								
RAS/WAS PS #1 & #2 - Discharge/Suction Piping								
Misc Application Material (Sundries)		LS	1	950.00	950.00	7.00	1.1500	1,168.98
Coatings		LS	1	4,500.00	4,500.00	7.00	1.1500	5,537.25
Coatings Labor (4-Man Crew)		CR-D	7	2,628.31	18,398.17		1.0000	18,398.17
Patch and Paint Areas Affected by Work								
Misc Application Material (Sundries)		LS	1	950.00	950.00	7.00	1.1500	1,168.98
Patch and Sealant		LS	1	1,200.00	1,200.00	7.00	1.1500	1,476.60
Coatings		LS	1	1,700.00	1,700.00	7.00	1.1500	2,091.85
Epoxy Coating		LS	1	2,200.00	2,200.00	7.00	1.1500	2,707.10
Coatings Labor (4-Man Crew)		CR-D	5	2,628.31	13,141.55		1.0000	13,141.55
Bid Item Totals:					46,539.72			49,997.23
17 I&C								
SRWFR								
All Aeration Tanks - Emergency Shutdown Butt								
E-Stop Push Button		LS	16	300.00	4,800.00	7.00	1.1500	5,906.40
Misc I&C Materials		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Installation (3-Man Crew)		LS	6	2,145.53	12,873.18		1.0000	12,873.18
Electrical CM		HR	40	164.27	6,570.80		1.0000	6,570.80
Bid Item Totals:					27,743.98			29,657.13

Takeoff Worksheet

02/19/25

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
40 Process Interconnections								
SRWRF								
RAS/WAS PS #1 & #2 - Discharge/Suction								
Hot Tapping	Rangeline Group	EA	16	1,443.00	23,088.00	7.00	1.1500	28,409.78
Epoxy Coated Tapping Sleeve w/ 4" Gate Valve	Rangeline Group	EA	16	2,967.00	47,472.00	7.00	1.1500	58,414.30
4" DI Spool Pieces	McDade Waterworks, Inc.	LS	1	49,909.36	49,909.36	7.00	1.1500	61,413.47
4" Rupture Disc (100 PSI)	McDade Waterworks, Inc.	EA	8	3,716.22	29,729.76	7.00	1.1500	36,582.47
4" DI 90 Elbow	McDade Waterworks, Inc.	EA	8	429.33	3,434.64	7.00	1.1500	4,226.32
4"X1" Double Strap Service Saddle & 1" Ball	McDade Waterworks, Inc.	EA	8	191.04	1,528.32	7.00	1.1500	1,880.60
4" 316 SS Bolts & Gaskets	McDade Waterworks, Inc.	LS	1	4,157.44	4,157.44	7.00	1.1500	5,115.73
Freight		LS	1	800.00	800.00		1.1500	920.00
Installation (4-Man Crew)		CR-D	22	2,628.31	57,822.82		1.0000	57,822.82
WTP 2								
MIEX - Loaded Resin Tank Replacement								
Misc. PVC Pipe & Fittings		LS	1	3,500.00	3,500.00	7.00	1.1500	4,306.75
Removal & Installation (4-Man Crew)		CR-D	3	2,628.31	7,884.93		1.0000	7,884.93
Construction Superintendent		HR	100	165.50	16,550.00		1.0000	16,550.00
Construction Assistant		HR	50	78.28	3,914.00		1.0000	3,914.00
Bid Item Totals:					249,791.27			287,441.17
41 Rental Equipment & Misc. Tools								
Traversing Fork Lift		Month	4	5,997.00	23,988.00	7.00	1.1500	29,517.23
Mini Excavator		Month	3	3,982.45	11,947.35	7.00	1.1500	14,701.21
Skid Steer		Month	8	3,047.50	24,380.00	7.00	1.1500	29,999.59
Core Machine		LS	1	2,500.00	2,500.00	7.00	1.1500	3,076.25
Plate Compactor 5000-7000LB		WK	4	608.00	2,432.00	7.00	1.1500	2,992.58
Crane	Allegiance	DAY	20	1,672.00	33,440.00	7.00	1.1500	41,147.92
Articulating Manlift		Month	3	5,290.00	15,870.00	7.00	1.1500	19,528.04
Scaffold		Month	6	2,000.00	12,000.00	7.00	1.1500	14,766.00
Scaffold Setup & Breakdown (4-Man Crew)		CR-D	6	2,628.31	15,769.86	7.00	1.0000	16,873.75

Takeoff Worksheet

02/19/25

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Confined Space Equipment	Total Safety	Month	6	3,220.00	19,320.00	7.00	1.1500	23,773.26
Misc. Tools & Equipment		LS	1	4,000.00	4,000.00	7.00	1.1500	4,922.00
Equipment Fuel		GAL	250	6.99	1,747.50		1.1500	2,009.63
Safety		HR	60	256.46	15,387.60		1.0000	15,387.60
Safety Program		LS	1	29,890.00	29,890.00		1.1000	32,879.00
Safety Equipment		LS	1	4,000.00	4,000.00	7.00	1.1500	4,922.00
Equipment Delivery & Pick Up		EA	8	650.00	5,200.00	7.00	1.1500	6,398.60
Bid Item Totals:					221,872.31			262,894.66
100 Engineering								
Engineering Fees (Attachment E)		LS	1	489,204.38	489,204.38		1.0000	489,204.38
Bid Item Totals:					489,204.38			489,204.38
101 Allowance								
Clarifier 1 & 2 Access Platform - Allowance		LS	1	600,000.00	600,000.00		1.0000	600,000.00
Plug Valves Relocation - Allowance		LS	1	350,000.00	350,000.00		1.0000	350,000.00
Misc Safety Improvements - Allowance		LS	1	250,000.00	250,000.00		1.0000	250,000.00
Bid Item Totals:					1,200,000.00			1,200,000.00
102 Bonds & Insurance								
Bonds & Certifications		LS	1	69,772.30	69,772.30		1.1500	80,238.15
Builders Risk Insurance		LS	1	58,740.00	58,740.00		1.1500	67,551.00
Bid Item Totals:					128,512.30			147,789.15
Grand Totals:					4,567,293.31			4,853,033.00

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
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Note: CR-D=8Hrs
**Contract Markups Per Master Agreement:*
Materials = 1.15, Subcontractors = 1.1

ATTACHMENT - E												
Work Authorization Schedule of Bid Items												
Task	Task Description	E6	E5	E3	E2	Sr. CADD	Sr. Finance	Admin 3	Admin 2	Total Labor	*Sub-Consultant Services	Sub-Consultant
		\$97.60	\$81.69	\$55.17	\$44.56	\$48.80	\$65.78	\$39.25	\$29.71			
1	Project Development/Coordination											
	Estimating	2	4	10			4	4	8			
	Project Management/Coordination	2	2	12			4	6	12			
	Meet w/ staff to review project/collect info	4	2	8								
	Site visits - collect photos and info	4	2	8								
	Structural Engineer	4		8	8	8		4	16		\$ 82,000.00	LYE
	Coordinate with Structural Engineer	2		8	8							
	Meet with staff to go over options	2	2	4				2	4			
	Subtotal Task 1	20	12	58	16	8	8	16	40	\$ 9,577.61	\$ 82,000.00	
2	60% Design											
	Project Management/Coordination	4		8	8	12		2	8			
	Develop 60% Design											
	Site plan	2		4	8	10						
	Structural Design Criteria	2		20	20	12		8	12		\$ 133,400.00	LYE
	Process Mechanical Design	2		4	8	10						
	Electrical/I&C		2	4	8	8						
	Review Meeting	4		2	4			2	6			
	Review Meeting Log Response	2		4	8				4			
	QA/QC	4		2	4	6			2			
	Subtotal Task 2	20	2	48	68	58	0	12	32	\$ 12,045.45	\$ 133,400.00	
3	100% Design											
	Project Management/Coordination	2		8				4	8			
	Develop 80% Design											
	Site plan	2		2	4	8						
	Structural Design Criteria	2		20	20	12		8	12		\$ 69,500.00	LYE
	Process Mechanical Design	2		6	4	8						
	Electrical/I&C		2	4	8	8						
	Equipment Selection/Specifications	2		4	8			4	12			
	Prepare 100% Design Submittal	2		4	8	2		4	6			
	QA/QC	2		4	8	4			2			
	Subtotal Task 3	14	2	52	60	42	0	20	40	\$ 11,094.89	\$ 69,500.00	
4	Services During Construction											
	Project Management/Coordination	8		16	10			4	8			
	Site Visits/Meetings	8		24	10			2	8			
	Soil Boring				2			1	2		\$ 6,015.00	Pacifica
	Concrete Testing				2			1	2		\$ 3,460.00	Pacifica
	Submittal Reviews	4	2	8	12			2	8			
	Structural	2		30	20	16		4	16		\$ 50,038.94	LYE
	Electrical/I&C		2	4	8							
	Record Drawings	4	2	6	8	8			2			
	O&M Manual Review	2	1	4	8			4	12			
	Subtotal Task 4	28	7	92	80	24	0	18	58	\$ 15,545.36	\$ 59,513.94	
	Labor Hours	82	23	250	224	132	8	66	170			
	Labor Costs	\$8,003.42	\$1,878.85	\$13,791.70	\$9,980.94	\$6,441.78	\$526.20	\$2,590.71	\$5,048.88	\$48,263.48		
	Labor Multiplier	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00			
	Labor Total	\$24,010.26	\$5,636.55	\$41,375.10	\$29,942.82	\$19,325.34	\$1,578.60	\$7,772.13	\$15,148.84	\$144,790.44		
	Subconsultant Total										\$ 344,413.94	
	TOTAL ENGINEERING FEE										\$ 489,204.38	

Subconsultants: LYE - Lakdes/Yohalem Engineering, Inc., Pacifica Engineering Services

ATTACHMENT F

OEBO SCHEDULE 1

Revised 03-05-24

OEBO SCHEDULE 1

SOLICITATION/PROJECT/BID NAME: Critical Facilities Safety Improvements SOLICITATION/PROJECT/BID NO.: PBCWUD 25-014
SOLICITATION OPENING/SUBMITTAL DATE: NA COUNTY DEPARTMENT: Palm Beach County Water Utilities Department

Section A PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT* ON THE PROJECT:

NAME OF PRIME RESPONDENT/BIDDER: Globaltech, Inc. ADDRESS: 901 Yamato Road, Ste. 220 Boca Raton, FL 33431

CONTACT PERSON: Bruce Rahmani, PE PHONE NO.: 561-997-6433 E-MAIL: bruce@globltechdb.com

PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: \$3,735,535.56

*SMWBE Prime's must include their percentage or dollar amount in the Total Participation line under section B.

Non-SBE ☒ MBE ☐ WBE ☐ SBE ☐

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:

Subcontractor/Sub consultant Name	(Check all Applicable Categories)				<u>DOLLAR AMOUNT OR PERCENTAGE OF WORK</u>					
		<u>MBE</u>	<u>WBE</u>	<u>SBE</u>	Black	Hispanic	Women	Caucasian	Asian	Other
	<u>Non-SBE</u>	Minority Business	Women Business	Small Business						
1. Pacifica Engineering Services, LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$9,475.00					
2. Lakdas/Yohalem Engineering, Inc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>					\$334,938.94	
3. Apex Welding Services Corp	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				\$640,703.50		
4. Walker Design & Construction Co.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				\$102,490.00		
5. Total Safety Training & Consultants LLC	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$29,890.00					
(Please use additional sheets if necessary)										
Total					\$39,365.00	\$0.00	\$0.00	\$743,193.50	\$334,938.94	\$0.00

Total Bid/Offer Price \$ \$4,853,033.00

Total Certified S/M/WBE Participation \$ \$1,117,497.44

I hereby certify that the above information is accurate to the best of my knowledge: Bruce Rahmani, PE -  VP of Construction


Name & Authorized Signature Title

Note:

- The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
- Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic category.
- Modification of this form is not permitted and will be rejected upon submittal.
- If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation.

REVISED 09/26/2024

If you have experienced or witnessed a violation of the EBO Ordinance or would like to file a complaint, please scan the QR Code



ATTACHMENT F

OEBO SCHEDULE 2

Revised 03-05-24

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: PBCWUD 25-014
SOLICITATION/PROJECT NAME: Critical Facilities Safety Improvements

Prime Contractor: Globaltech, Inc. Subcontractor: Apex Welding Services Corp
(Check box(s) that apply)

☒ SBE ☐ WBE ☐ MBE ☐ M/WBE ☐ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 2/27/23-2/26/28

The undersigned affirms they are the following (select one from each column if applicable):

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input checked="" type="checkbox"/> Caucasian American <input type="checkbox"/> Supplier	
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	91076 Welding Maintenance and Repair Services	\$640,703.50	1	NA	\$640,703.50

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$640,703.50

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

<u>NA</u> Name of 2 nd /3 rd tier Subcontractor/subconsultant	Price or Percentage: <u>\$0.00</u>
----------------------------------------------------------------------------------------	------------------------------------

Globaltech, Inc.
Print Name of Prime
By: B. Rahman
Authorized Signature
Bruce Rahman, PE
Print Name
VP of Construction
Title
Date: 2/23/2025

Apex Welding Services, Corp
Print Name of Subcontractor/subconsultant
By: Nichole R. Zamarron
Authorized Signature
Nichole R Zamarron
Print Name
President
Title
Date: 2/10/2025



If you have experienced or witnessed a violation of the EEO Ordinance or would like to file a complaint, please scan the QR Code

OEBO LETTER OF INTENT – SCHEDULE 2

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SOLICITATION/PROJECT NUMBER: PBCWUD 25-014

SOLICITATION/PROJECT NAME: Critical Facilities Safety Improvements

Prime Contractor: Globaltech, Inc.

Subcontractor: Pacifica Engineering Services, LLC

(Check box(es) that apply)

☒ DBE ☐ WBE ☒ M/WBE ☐ Non-S/M/WBE Dates of Palm Beach County Certification (if applicable): 10/25/24-10/24/27

The undersigned affirms they are the following (select one from each column if applicable):

Column 1

Column 2

Column 3

☒ Male ☐ Female

☒ African-American/Black ☐ Asian American ☐ Caucasian American

☐ Hispanic American ☐ Native American

☐ Supplier

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/Units	Contingencies/Allowances	Total Price/Percentage
1	90763 Testing Services	\$9,475.00	1	NA	\$9,475.00

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$9,475.00

NA

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: \$0.00

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Globaltech, Inc.

Print Name of Prime

By:

Authorized Signature

Bruce Rahmani, PE

Print Name

VP of Construction

Title

Date:

2/25/2025

Pacifica Engineering Services, LLC

Print Name of Subcontractor/subconsultant

By:

Authorized Signature

Wayley C. Foeller

Print Name

President

Title

Date:

FEBRUARY 10, 2025



If you have experienced or witnessed a violation of the OAC Ordinance or would like to file a complaint, please scan the QR Code

Revised 09/26/2024

DEBO LETTER OF INTENT - SCHEDULE 2

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SOLICITATION/PROJECT NUMBER: PBCWUD 25-014

SOLICITATION/PROJECT NAME: Critical Facilities Safety Improvements

Prime Contractor: Globaltech, Inc.

Subcontractor: Total Safety Training & Consultants LLC

(Check box(es) that apply)

☒ SBE ☐ WBE ☒ MBE ☐ M/WBE ☐ Non-S/M/WBE

Date of Palm Beach County Certification (if applicable): 1/11/2024-1/10/2027

The undersigned affirms they are the following (select one from each column if applicable):

Column 1

Column 2

Column 3

☒ Male ☐ Female

☒ African-American/Black ☐ Asian American

☐ Caucasian American

☐ Supplier

☐ Hispanic American

☐ Native American

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Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	99077 Safety Training and Awareness Services	\$29,890.00	1	NA	\$29,890.00

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$29,890.00

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

NA

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: \$0.00

Globaltech, Inc.

Print Name of Prime

By: B. Rahmani
Authorized Signature

Bruce Rahmani, PE

Print Name

VP of Construction

Title

Date: 2/25/2025

Total Safety Training & Consultants LLC

Print Name of Subcontractor/subconsultant

By: Darryle Hood
Authorized Signature

Darryle Hood

Print Name

Manager

Title

Date: 2/10/25



If you have experienced or witnessed a violation of the EDO

OEBO LETTER OF INTENT – SCHEDULE 2

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SOLICITATION/PROJECT NUMBER: PBCWUD 25-014

SOLICITATION/PROJECT NAME: Critical Facilities Safety Improvements

Prime Contractor: Globaltech, Inc.

Subcontractor: Walker Design & Construction Co.

(Check box(s) that apply)

☒ SBE ☐ WBE ☐ MBE ☐ M/WBE ☐ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 4/8/24-4/7/27

The undersigned affirms they are the following (select one from each column if applicable):

Column 1

Column 2

Column 3

☒ Male ☐ Female

☐ African-American/Black ☐ Asian American ☒ Caucasian American

☐ Supplier

☐ Hispanic American ☐ Native American

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Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	91479 Structural and Reinforcement Metal Work	\$102,409.00	1	NA	\$102,409.00

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$102,409.00

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

NA

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: \$0.00

Globaltech, Inc.

Print Name of Prime

By: B. Rahmani
Authorized Signature

Bruce Rahmani, PE

Print Name

VP of Construction

Title

Date: 2/25/2025

WALKER DESIGN & CONSTRUCTION CO

Print Name of Subcontractor/subconsultant

By: P. Graham
Authorized Signature

Patrick Graham

Print Name

President

Title

Date: 2-14-25



If you have experienced or witnessed a violation of the EEOC
Prohibition or would like to file a complaint, please visit the EEOC website.

Revised 03/26/2018

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: PBCWUD 25-014

SOLICITATION/PROJECT NAME: Critical Facilities Safety Improvements

Prime Contractor: Globaltech, Inc.

Subcontractor: Lakdas/Yohalem Engineering, Inc.

(Check box(es) that apply)

☒ SBE ☐ WBE ☐ MBE ☐ M/WBE ☐ Non-S/M/WBE

Date of Palm Beach County Certification (if applicable): 10/29/22-10/28/25

The undersigned affirms they are the following (select one from each column if applicable):

Column 1

Column 2

Column 3

☒ Male ☐ Female

☐ African-American/Black ☒ Asian American ☐ Caucasian American

☐ Supplier

☐ Hispanic American ☐ Native American

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	92517 Civil Engineering	\$334,938.94	1	NA	\$334,938.94

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$334,938.94

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

NA

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: \$0.00

Globaltech, Inc.

Print Name of Prime

By: B. Rahmani
Authorized Signature

Bruce Rahmani, PE

Print Name

VP of Construction

Title

Date: 2/25/2025

Lakdas/Yohalem Engineering, Inc.

Print Name of Subcontractor/subconsultant

By: [Signature]
Authorized Signature

Lakdas Nanayakkara

Print Name

President

Title

Date: 02-11-2025



If you have experienced or witnessed a violation of the SBC Ordinance or would like to file a complaint, please scan the QR Code

Revised 09/26/2024

ATTACHMENT G

Palm Beach County Water Utilities Department
Optimization and Improvements Design-Build
Resolution No. R2023-0086 Contract Dated December 20, 2022

SUMMARY OF SBE-M/WBE BUSINESS TRACKING

Master Contract Goals	SBE: 24%	MBE: 12%	MBE (AA): 5.5%	MBE (A): 4%	MBE (H): 2.5%
Current Proposal					
Value of Work Order No. 6	\$4,853,033.00				
Value of SBE-M/WBE Letters of Intent	\$1,117,497.44	\$374,303.94	\$39,365.00	\$334,938.94	\$0.00
Actual Percentage	23.027%	7.71%	0.81%	6.90%	0.00%
Signed/Approved Work Orders					
Total Value of Work Orders	\$11,904,461.63				
Total Value of SBE-M/WBE Signed Subcontractors	\$1,938,516.26	\$574,293.93	\$328,732.63	\$245,561.30	\$0.00
Actual Percentage	16.28%	4.82%	2.76%	2.06%	0.00%
Signed/Approved Work Orders Plus Current Proposal					
Total Value of Work Orders	\$16,757,494.63				
Total Value of Subcontractors & Letters of Intent	\$3,056,013.70	\$948,597.87	\$368,097.63	\$580,500.24	\$0.00
Actual Percentage	18.23%	5.66%	2.19%	3.46%	0.00%

ATTACHMENT - H
Location Map



Southern Regional Water Reclamation Facility (SRWRF)
PBCWUD Project No. 25-014

ATTACHMENT - H
Location Map



Western Region North Wastewater Treatment Plant (WRNWWTP)

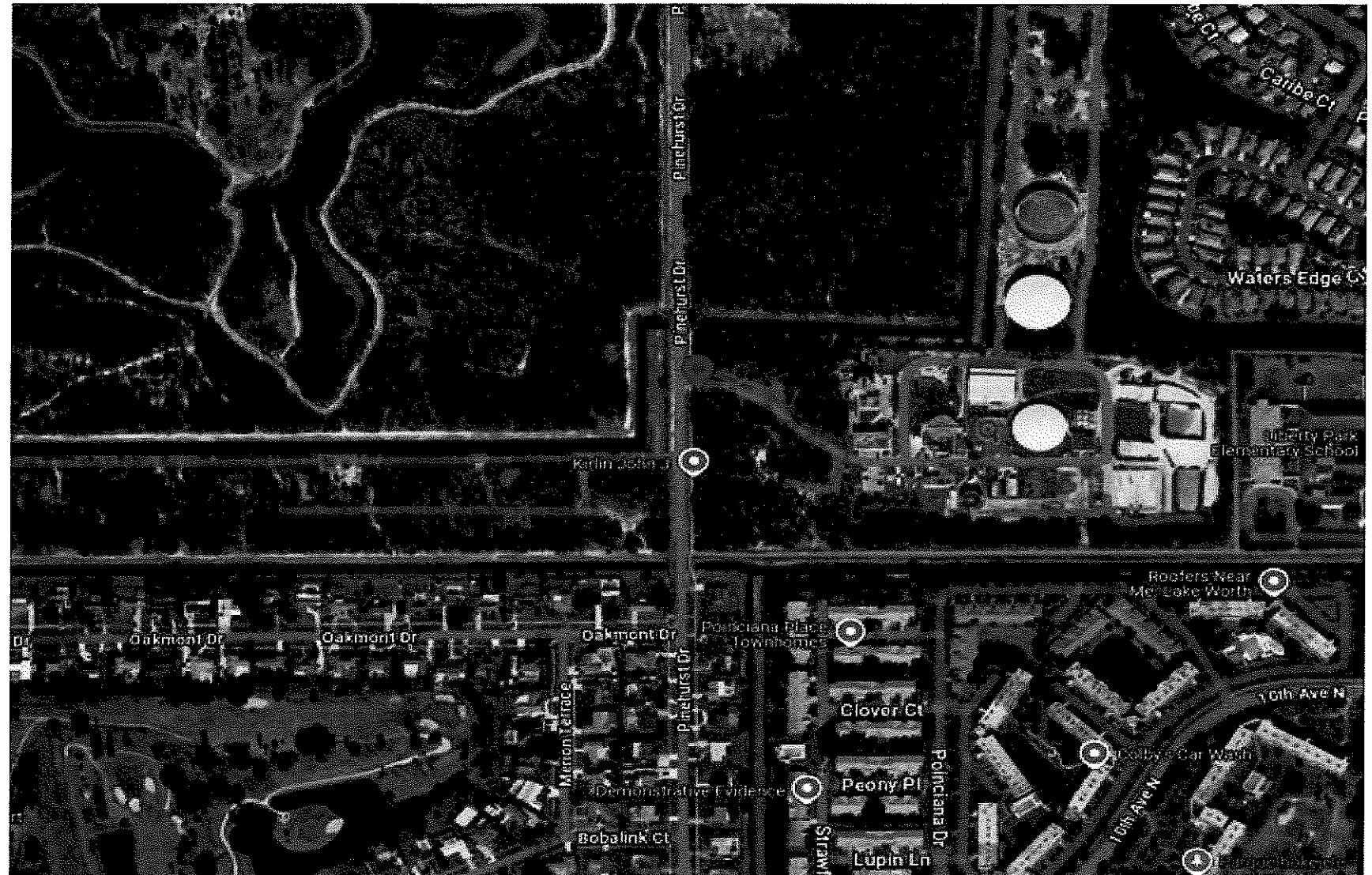
PBCWUD Project No. 25-014

ATTACHMENT - H
Location Map



Western Region Wastewater Treatment Plant (WRWWTP)
PBCWUD Project No. 25-014

ATTACHMENT - H
Location Map



Water Treatment Plant 2 (WTP2)
PBCWUD Project No. 25-014

ATTACHMENT - H
Location Map



Water Treatment Plant 8 (WTP 8)
PBCWUD Project No. 25-014

ATTACHMENT I

DESIGN-BUILD CRITERIA

Revised 03-05-24

**Design-Build Criteria
Critical Facilities Safety Improvements
Project No. WUD 25-014
Package TR09
Work Authorization No. 06**



02/26/2025

**Eduardo Torres, P.E.
Palm Beach County Water Utilities
8100 Forest Hill Blvd.
West Palm Beach, FL 33413**

Date

**Design-Build Criteria
Critical Facilities Safety Improvements
Project No. WUD 25-014
Package TR09
Work Authorization No. 06**

PART 1 REQUIREMENTS

1.1 Requirements per Florida Statute 287.055.

- 1 Legal Description of the project site (site):
 - 1.1.1 Southern Regional Water Reclamation Facility (SRWRF), 12751 Hagen Ranch Road, Boynton Beach, FL 33437
 - 1.1.2 Western Region Wastewater Treatment Plant (WRWWTP), 2055 West Canal Street, South, Belle Glade 33430
 - 1.1.3 Western Region North Wastewater Treatment Plant (WRNWWTP) 1001 Rim Canal Road, Pahokee, FL 33476
 - 1.1.4 Water Treatment Plant 2 (WTP2), 2956 Pinehurst Drive, West Palm Beach, FL 33413
 - 1.1.5 Water Treatment Plant 8 (WTP8), 1500 N Jog Road, West Palm Beach, FL 33417

- 2 Survey Information Concerning the Site: Design-Build Entity will provide additional survey as necessary.

- 3 Interior Space Requirements: Components of the proposed Work shall be installed within existing facilities (such as existing chemical trenches, chemical containment areas, electrical room and chemical dosing rooms, etc.) and surrounding area(s). Where possible the proposed Work shall be designed and installed without requiring alteration to existing facilities and the surrounding areas(s).

- 4 Material Quality Standards: Adhere to the current Palm Beach County Water Utilities Department (PBCWUD) Minimum Design and Construction Standards for Potable Water, Wastewater, Reclaimed Water, Record Information, Asset Management and the Approved Materials and Equipment List.

- 5 Schematic Layouts and Conceptual Design Criteria of the Project: Not Applicable.

- 6 Cost or budget estimates: \$4,127,405.41

- 7 Design and Construction Schedules:
- 1.1.7.1. 100% Design Completion: 180 Calendar Days after receipt of executed Work Authorization and Notice to Proceed. Provide 60% and 100% design packages signed and sealed by a licensed professional engineer in the State of Florida.
 - 1.1.7.2. Substantial Construction Completion: 420 Calendar Days after receipt of executed Work Authorization and Notice to Proceed.
 - 1.1.7.3. Final Construction Completion: 60 Calendar Days after Substantial Construction Completion.
 - 1.1.7.4. Liquidated damages will apply as follows:
 - 1.1.7.4.1 \$1,000 per day past substantial completion date.
 - 1.1.7.4.2 \$500 per day past final completion date.
- 8 Site Development Requirements: Not applicable
- 9 Provisions for Utilities: The Design-Build Entity shall obtain the necessary utility services by making application for the services and paying such fees and charges required by the utility companies, including construction water meters, if required.
- 10 Utility Locates and Protection of Utilities: Design-Build Entity is responsible for all utility locates within the project site and shall provide an independent locate service for all PBC WUD buried pipelines and electrical. Provide conductive utility locates, soft-dig using vacuum excavation, and ground penetrating radar as necessary to avoid damage to utilities. The Design-Build Entity shall x-ray or use ground penetrating radar for concrete which may have embedded conduits and utilities prior to penetrating the concrete. All water pipes, storm drains, force mains, gas or other pipe, telephone or power cables or conduits, and all other obstructions, whether or not shown, shall be temporarily removed from or supported across pipeline excavations. Before disconnecting any pipes or cables, the Design-Build Entity shall obtain permission from the Owner, or shall make suitable arrangements for their disconnection by the Owner. The Design-Build Entity shall be responsible for any damage to any such pipes, conduits or cables, and shall restore them to service promptly as soon as the work has progressed past the point involved. Approximate locations of known water, sanitary, drainage, power,

and telephone installations along route of new pipelines or in vicinity of the work are shown on as-built drawings, but must be verified in the field by the Design-Build Entity. The Design-Build Entity shall uncover these pipes, ducts, cables, and other buried infrastructure, carefully, by hand, to verify location and depth of cover. Any discrepancies or differences found shall be brought to the attention of the Owner so that necessary changes may be made. The Design-Build Entity shall notify "SUNSHINE STATE" at 811 at least forty-eight hours prior to performing any excavating activities. Evidence of such notice shall be furnished to the Owner prior to excavating.

- 11 Storm Water Retention and Disposal: Provide siltation barriers for all existing storm drainage catch basins impacted by construction activities. Clean all roadways, storm drains etc. affected by construction.
- 12 Parking Requirements: The parking and staging area will be limited to the south side of the ECRWRF at the location of the Reclaimed Water Facility. Do not disrupt traffic flow for chemical deliveries. Project material deliveries shall be between 7:00 AM to 3:00 PM Monday through Friday excluding public holidays. The Design-Build Entity will accept all their deliveries and provide loading and offloading equipment.
- 13 Access Requirements: Design-Build Entity shall comply with all ECRWRF security requirements and use the main gain for entry and exit.

1.2 General Requirements

- 1.2.1 The following items must be completed (at a minimum) to achieve Substantial Completion:
 - 1.2.1.1 All existing systems in place and operating as intended.
 - 1.2.1.2 Release has been granted by permitting agencies to begin operation.
 - 1.2.1.3 Commissioning and Testing of all new equipment and systems completed. Provide Certificate of Proper Installation (COPI) from manufacturers.
 - 1.2.1.4 Provide draft copy of the Operation and Maintenance Manuals
 - 1.2.1.5 Provide draft Electronic Equipment Data Sheet Submittal for Asset Management with Excel file.
 - 1.2.1.6 Sign and return the Certificate of Substantial Completion.
 - 1.2.1.7 Provide Punchlist items.

- 1.2.2 The following items must be completed (at a minimum) to achieve Final Completion:
- 1.2.2.1 Provide Record Drawings, along with AutoCAD and PDF files, have been turned over to PBCWUD and approved.
 - 1.2.2.2 Provide Final Electronic Equipment Data Sheet Submittal for Asset Management with Excel file.
 - 1.2.2.3 Provide all final lubrications, adjustments, spare parts.
 - 1.2.2.4 Complete all training.
 - 1.2.2.5 Demobilize, perform final clean-up and restore site to original condition or better.
 - 1.2.2.6 Provide warranties from manufacturers.
 - 1.2.2.7 Complete all Punch List items.
 - 1.2.2.8 Provide Certificate of Final Completion signed by the Engineer of Record.
 - 1.2.2.9 Provide all final releases granted for all permits.
 - 1.2.2.10 Provide Final Operation and Maintenance Manuals with computer files have been delivered to the Owner and equipment training has been completed.
- 1.2.3 Reference Documents: The following documents shall be used to develop signed and sealed Construction Documents.
- 1.2.3.1 Palm Beach County Water Utility Department (PBCWUD) Minimum Design Standards and Approved Materials List.
 - 1.2.3.2 Palm Beach County Unified Land Development Code Article 14 – Environmental Standards (which contains the Palm Beach County Beach County Wellfield Protection Ordinance) and Article 15 – Health Regulations (which contains Environmental Control Rule 1 and 2).
 - 1.2.3.3 Florida Administrative Code.
 - 1.2.3.4 Florida Building Code
 - 1.2.3.5 Design submittal requirements shall be in accordance with the Palm Beach County Water Utilities Design Manual.
- 1.2.4 Quality Assurance and Quality Control: The Design-Build Entity is responsible for both Quality Assurance and Quality Control including all testing.
- 1.2.4.1 Provide soil density and proctor testing for underground excavations, pavement crossings and foundations.
 - 1.2.4.2 Provide concrete slump and compressive strength testing for all placed concrete. Provide test cylinders at both 7 days and 28 days for compressive strength.
 - 1.2.4.3 Provide certified welders for designated welding processes

- for all stainless steel (SS) welding. All welded joints shall be pickled and passivated.
- 1.2.4.4 Provide pressure testing for piping and secondary containment, per the Palm Beach County Wellfield Protection Ordinance.
 - 1.2.4.5 Design Build Entity shall provide bacteriological testing of all new water mains and water treatment processes using a certified laboratory. The laboratory shall take all bacteriological samples and shall use the Colilert Method..
 - 1.2.4.6 Provide testing of new grounding and lightning protection systems if a ground test well is included in the project.
 - 1.2.4.7 Provide testing of paint to verify proper coating thickness. For interior of water bearing structures provide a certified National Association of Corrosion Engineers (NACE) inspector for surface preparation, adhesion and coating thickness.
 - 1.2.4.8 Commissioning and testing of all new equipment. Provide Certificate of Proper Installation (COPI) from all manufacturers.

1.3 Summary of Work

1.3.1 Background and Statement of the problem to be solved.

- 1.3.1.1 Palm Beach County owns, operates and maintains five (5) Water Treatment Plants (WTP) and four (4) wastewater treatment plants. WTPs 2 and 8, as well as Southern Region Water Reclamation Facility (SRWRF), Western Region Wastewater Treatment Plant (WRWWTP) and Western Region North Wastewater Treatment Plant (WRNWWTP) are in need of several structural repairs and updates to ensure safety of operations and maintenance personnel.

The proposed modifications shall maintain the Plants pumping capacity and inventory.

1.3.2 Design Build Criteria

The proposed work to be performed by the Design-Build Entity includes furnishing and installing all materials, labor, equipment and expertise including necessary tools, supervision, and services required to design, permit, purchase, demolish, construct, train, test, commission, startup and place into service complete and

operational systems as described herein. All materials and equipment used shall be selected to be resistant to corrosive attacks from continuous exposure to various solids and liquids present on site and compatible with the intended service environment, such as exposure to weather (e.g. wind, rain), dust, sunlight, water, wastewater or chemicals.

1.3.2.1 Wind and Seismic Loading

Exterior system components shall be designed to meet or exceed the Florida Building Code (FBC) High Velocity Hurricane Zone (HVHZ) requirements supplemented by ASCE 7-10 wind loading requirements using an ultimate wind speed of 183 mph and exposure C and seismic loads 2021 IBC/ASCE 71-0 $S_s=0.049g$ $S_I=0.025G$ shall comply with Design Code ASTM D3299 and ASTM D4097.

1.3.2.2 WRWWTP

- 1.3.2.2.1 At Headworks, provide and install a new aluminum grating platform with posts and handrails. The platform will be on the same level as the existing roof deck.
- 1.3.2.2.2 Installation of a new aluminum metal post and rail at the oxidation basin.
- 1.3.2.2.3 Thickener, Blower, and RAS/WAS system metal roof replacement.
- 1.3.2.2.4

1.3.2.3 WRNWWTP

- 1.3.2.3.1 Repair undermined slab at the digester. Helical piles will be placed.
- 1.3.2.3.2 Furnish and install new aluminum staircase and platform at the digester. Aluminum frames will be installed on concrete piles with helical piles.
- 1.3.2.3.3 Repair spalled concrete at the aeration basin. Epoxy concrete at around 50 locations.

1.3.2.4 SRWRF

- 1.3.2.4.1 Install Removable handrails around the thickener and belt press pits in the solids building.
- 1.3.2.4.2 Add support beams and diamond plate decking to the effluent discharge troughs on eight clarifiers.
- 1.3.2.4.3 Handrails to aeration steps going to the aeration basins in approximately four walkways.

- 1.3.2.4.4 Emergency blower shutdown buttons on the aeration I/O panels.
- 1.3.2.4.5 Add a rupture disk to digester feed lines to prevent an over pressurization of the pipeline by progressive cavity pumps.
- 1.3.2.4.6 Replace existing aluminum hatch and frame inside the screening with removable stainless-steel cover and framing.
- 1.3.2.4.7 Repair hatch cover locking mechanism on existing seven hatches around the Aerated grit tank and install safety fall protection grating.
- 1.3.2.4.8 Cut in two new stainless-steel 3ftX3ft access hatch in the aerated grit area.
- 1.3.2.4.9 Add approximately 16" high single safety rail to the top of the clarifier walls to meet OSHA's minimum 42" distance above the walking/working surface.

1.3.2.5 WTP 2

- 1.3.2.5.1 Replace RFP cover system for the MIEX basin.
- 1.3.2.5.2 Install new owner furnished loaded resin tank.

1.3.2.6 WTP 8

- 1.3.2.6.1 Install approximately 250 feet of handrail at the Filter Building.

1.3.3 Owner Furnished Equipment.

1.3.3.1 Loaded Resin Tank (WTP 2)

1.3.4 Prescriptive Criteria

No specific manufacturer's materials specified.

- 1.3.5 The Design-Build Entity shall secure all permits required to complete the work under this contract. The Design-Build Entity shall be responsible for all inspections and requirements to close-out the completed permits. The Owner will pay all permit fees. The Design-Build Entity shall be responsible for all Business tax fees for work within Palm Beach County or Municipalities. The following permits may be required for this project: Palm Beach County Health Department Permit and Palm Beach County Planning Zoning and Building - Building Division Permit(s).

1.3.6 Allowances

1.3.6.1 Pahokee WWTP 8" plug valve relocation and actuator addition

1.4 Work Restrictions

1.4.1 Maintenance of Operations: The Design-Build Entity's activities or any partial plant shutdowns shall minimize disruption to the treatment facilities and conveyance. The Design-Build Entity shall schedule and perform the proposed work in a manner such that the Owner can keep the existing treatment and conveyance facilities in continuous, dependable operation. Operation of all existing valves, gates, and equipment shall be performed by Owner. All utility access manholes, valves, and fire hydrants shall be kept accessible at all times.

1.4.2 Work Hours: Typical work hours will be 7:00 AM to 5:00 PM Monday to Friday, not including legal holidays. Work performed outside of the established working hours requires the permission from the Owner.

1.4.3 Shutdown Plan: Design-Build Entity shall develop a plan in conjunction with the Owner, for any planned plant or process shutdowns. Each shutdown plan shall be submitted to the Owner for review and approval at least thirty (30) calendar days prior to commencing any of these work activities. If, in the opinion of the Owner, a shutdown is not required in order for the Design-Build Entity to perform the proposed work, the Design-Build Entity shall use alternative methods to accomplish the work. All shutdowns shall be coordinated with and scheduled at times suitable to the Owner. The Owner shall be provided a minimum of fourteen (14) calendar days' notice of Design-Build Entity's need for any system or partial system shutdown. Additional notice may be required for certain shutdowns. If multiple shutdowns are required to complete the work, such shutdowns shall be spaced to allow plant Operations staff to fill the ground storage tanks. Plant shutdowns shall be during the low flow periods of the year.

Shutdowns during the following periods shall not be allowed, unless written prior approval is provided by the Owner:

- Week of Thanksgiving,
- Seven (7) calendar days prior to December 25th,
- Between December 25th and January 1st,

- Seven (7) calendar days post to January 1st.

- 1.4.4 Project Coordination: Design-Build Entity shall be solely responsible for coordination of all of the proposed work, and shall supervise, direct, and cooperate fully with all sub-contractors, manufacturers, fabricators, suppliers, distributors, installers, testing agencies, and all others whose services, materials or equipment are required to assure completion of the proposed work within the contract time. Design-Build Entity shall cooperate with, and coordinate his work with, the work of any other contractor, utility service company, or Owner's employees performing additional work related to the project at the site. Design-Build Entity shall not be responsible for damage done by other contractors on site who are not under the Design-Build Entity's jurisdiction except where such loss or damage is caused by the negligence of Design-Build Entity. Design-Build Entity shall also coordinate his work with the work of others to assure compliance with schedules. Design-Build Entity shall attend and participate in all project coordination or progress meetings and report on the progress of all work and compliance with schedules. The Design-Build Entity shall provide and maintain a Project Representative from his organization at the site at all times during performance of the work, who may be reached at any time while work is in progress.
- 1.4.5 Debris Removal: The Design-Build Entity shall confine his activities to the site(s) designated by Owner for the work or staging areas for materials storage. Design-Build Entity shall be responsible for keeping all work areas clear of construction debris and perform daily housekeeping activities to maintain a safe working environment for existing plant personnel. All debris, materials, pipe, and miscellaneous waste products from the proposed work shall be removed from the Project Site as soon as possible. They shall be disposed of in accordance with applicable federal, state, and local regulations. The Design-Build Entity shall be responsible for determining these regulations and shall bear all costs or retain any profit associated with disposal of these items.
- 1.4.6 Safety: The Design-Build Entity shall comply with all laws or ordinances covering the protection of such work, and the safety measures to be employed therein. No trenches or holes near walkways, in roadways, or road shoulders are to be left open during night hours without the permission of the Owner, and proper protection. The Design-Build Entity shall maintain of suitable lighting to maintain a safe working environment. The Design-Build Entity shall not add any tripping hazards to the project site without permission of the Owner. The Design-Build Entity shall employ the Best Management Practices to provide a safe final product.

1.5 Security

The Palm Beach County Criminal History Records Check Ordinance, Palm Beach County Code Section 2-371 - 2-377. Pursuant to the ordinance, the County will conduct fingerprint-based criminal history record checks on all employees of contractors and subcontractors of contractors, vendors, repair persons and delivery persons entering a facility determined to be either a critical facility ("Critical Facilities") or criminal justice information facility ("CJI Facility"). Critical Facilities and CJI Facilities and the corresponding list of disqualifying offenses are identified in Resolution R2013-1421 and is available upon request. In October, 2013, compliance with the requirements of the U.S. Federal Bureau of Investigations Criminal Justice Information (CJI) security policy was added to the ordinance and has a broad list of disqualifying offenses. The Design-Build Entity understands that is solely responsible for the financial, schedule and/or staffing implications of compliance with this ordinance, and represents and warrants that its bid price includes any direct or indirect costs (not including the FDLE/FBI fees which will be paid directly by the County) of compliance with this county code.

The Design-Build Entity is responsible for the security of their work, equipment, and material at all times.

1.6 Project CPM Schedule

Design-Build Entity must prepare and maintain a project schedule using Primavera P6 Software (P6) and the Critical Path Method (CPM) of scheduling. The following outlines the minimum schedule requirements. The schedule must be updated each month at a minimum and will be reviewed by the Owner to determine design and construction progress.

1.6.1 Design Schedules

The Design-Build Entity shall develop a detailed design schedule reflecting work elements at a package level by discipline. An estimate of the construction duration and staging be developed and linkages to other work packages will be clearly indicated. It will be updated at least monthly and at a minimum, milestones shall be depicted for:

- Notice-to-Proceed
- 60 percent submittal
- Each required permitting submittal

1.6.2 Construction Schedules

The basics of the construction schedule submittals are outlined below.

- 1.6.2.1 **Baseline Requirement:** The Construction Schedule shall use P6 and follow the Critical Path Method of scheduling, and shall reflect how the Design-Build Entity will build the project. The schedule shall show the duration of each activity so that the Project Manager can accurately monitor the progress of the work. Schedule activities must be consistent with work items listed in the Schedule of Values and be cost-loaded such that schedule updates provide an independent check on the amounts shown in the Design-Build Entity's monthly progress payment request.

Additionally, the schedule will address the logic of construction activities, including any work constraints due to:

- Operational or permit requirements
- Special requirements of the technical specifications
- Standard construction practices
- Safety of the work place
- Manpower loading and availability
- Key Resource or Materials quantity loading

- 1.6.2.2 **Initial Construction Schedule Submittals:** The Design-Build Entity shall be required to submit two schedule documents at the pre-construction conference. These are:

- The Plan of Operation for the initial 30-day period of the contract
- An initial draft of the P6 Baseline CPM schedule

The Project Managers for the Owner and the Design-Build Entity shall meet to review and discuss the 30-day plan of operation and Baseline CPM schedule shortly after submittal to the Owner's Project Manager. The Owner Project Manager's review and comment on the schedules will be limited to conformance with the sequencing and milestone requirements in the Contract Documents. The Design-Build Entity shall be required to make corrections to the schedules necessary to comply with the requirements and adjust the schedules to incorporate any missing information requested by the Owner's Project Manager. Key elements of the schedule reviews will include:

- Production rates for reasonableness
- Appropriate level of detail
- Satisfaction of contractual constraints
- Accurately reflecting submittals, procurements, training and start-up tasks
- Conforms with approved schedule of values
- Complies with industry scheduling practices
- Schedule risk and critical path discussion

The Plan of Operation depicts accomplishment of the Contractor's early execution activities (e.g. mobilization, permit acquisition, submittals necessary for early material and equipment procurement, submittals necessary for long lead equipment procurement, CPM submittals, initial site work and other submittals and activities required in the first 30 days).

- 1.6.2.3 Construction Schedule: The P6 Baseline schedule will be included in all subsequent schedule updates and will be the basis for measuring progress and performance. Schedule updates and other reporting requirements will be detailed in the schedule specifications. The construction schedule will provide information on major construction milestones and allow for quantity tracking. Related interface activities pertinent to facilities start-up and commissioning will also be shown. The associated Schedule of Values will delineate information related to quantity unit rate reporting, labor wage rates, bulk materials pricing and other costing/pricing information as requested.

The Project Manager's review of the schedule is to ensure basic compliance with requirements and reasonableness of plan, and does not constitute an approval of the approach or direction relative to means and methods of construction.

The Contractor's Progress Schedule, at a minimum, shall identify significant interim milestones that relate to the Project's Summary Schedule, in addition to:

- Notice-to-Proceed
- Mobilization
- Weather Days Allowance
- Contract Float

- Substantial Completion
- Commissioning: Startup and Testing and Training
- Final Completion

1.6.3 Schedule Updates

On a regular basis, and not less than monthly, summary schedules should be updated to track and monitor progress of activities, completion of contract deliverables, interim milestone achievement, start and completion dates, and other related aspects of scheduling. Additionally, any approved changes to the scope of work will be reflected in the schedules.

Progress is monitored by comparing monthly work accomplished against both the baseline plan, and the progress of work from the prior month. Starting with the first month of status updating, progress for all projects will be measured against the baseline for start and finish dates, scheduled progress and cash flow, along with analysis for changes in logic and activities durations.

1.7 Field Engineering

Where the dimensions and locations of existing pipe and utilities are of critical importance in the installation or connection of proposed work, the Design-Build Entity shall verify such dimensions and locations in the field prior to the fabrication of any materials or equipment, which is dependent on the correctness of such information. The Design-Build Entity shall employ a land surveyor registered in the State of Florida. The Design-Build Entity shall locate and protect survey control and reference points. The Design-Build Entity shall be responsible to establish elevations, lines, and levels, utilizing recognized engineering survey practices. The Design-Build Entity shall provide all labor, instruments and stakes, templates, and other materials necessary for marking and maintaining all lines and grades. The Design-Build Entity shall submit a copy of as-built drawings signed/sealed by the land surveyor that the elevations and locations of the work in Florida State Plane Coordinates are in conformance with the contract documents and will reference Geodetic Datum NAD83. All elevations shall refer to North American Vertical Datum of 1988 (NAVD88) and include conversion from National Geodetic Vertical Datum of 1929 (NGVD29) as required.

1.8 Closeout Procedures

- 1.8.1 Record Drawings: The Design-Build Entity shall maintain one set of Drawings at the Site for the preparation of Record Drawings. On these, it shall mark every project condition, location, configuration, and any other change or deviation which may differ from the Contract

Drawings at the time of award, including buried or concealed construction and utility features that are revealed during the course of construction. Special attention shall be given to recording the horizontal and vertical location of buried utilities that differ from the locations indicated, or that were not indicated on the Contract Drawings. Said Record Drawings shall be supplemented by any detailed sketches as necessary or as Design-Build Entity is directed, to fully indicate the work as actually constructed. These Record Drawings are the Design-Build Entity's representation of as-built conditions, shall include revisions made by Work Supplement, and shall be maintained up-to-date during the progress of the work. Red ink shall be used for alterations and notes. Notes shall identify relevant Work Supplements by number and date. Provide AutoCAD and PDF files of the Record Drawings. The AutoCAD files shall include all external reference (XREF) files.

- 1.8.2 Asset Management: The Design-Build Entity shall be responsible for preparing an electronic database, in a format provided by the Owner, of the project assets being installed under this project and subsequently transferred to the Owner upon substantial completion of the project. A draft version of the asset database shall be included as part of the Design-Build Entity's Substantial Completion application. The final version of the database shall be provided to the Owner prior to Final Completion.

PART 2 ACCEPTANCE TEST REQUIREMENTS

The Design-Build Entity shall be responsible for coordinating and completing all commissioning activities including but not limited to the overall system startup and testing. The Design-Build Entity shall coordinate with the Owner and is responsible for providing all labor, equipment, and materials for conducting commissioning activities including but not limited to individual systems startup and testing.

2.1 Starting and Placing Equipment in Operation

Design-Build Entity shall initially start-up and place all installed equipment into successful operation according to manufacturer's written instructions and as instructed by manufacturer's field representative. Design-Build Entity shall provide all material, labor, tools, equipment, lubricants, and expendables required to complete start-up. No system or subsystem shall be started up for continuous operation unless all components of that system or subsystem, including instrumentation, have been tested and proven to be operable as required for proposed work.

General system startup activities are anticipated to include but not be limited to cleaning; removing temporary protective coatings; flushing and replacing greases and lubricants as required by manufacturers; lubrication; checking shaft and coupling alignments and resetting where required; checking and setting motor, pump and other equipment rotation, safety interlocks, and belt tensions; checking and correcting if necessary leveling plates, grout, bearing plates, anchor bolts, fasteners and alignment of piping which may put stress on equipment; performing any adjustments; providing chemicals and lubricants and all other required operating fluids; providing fuel, electricity, water, filters; and, other expendables required for startup of equipment.

Owner will provide sufficient personnel to assist Design-Build Entity in the start-up, but the prime responsibility for proper mechanical operation shall belong to Design-Build Entity. Manufacturer's representatives shall be present during initial start-up and operation. Owner will assume responsibility for operation of the equipment upon completion of start-up and placing equipment in operation. Owner shall provide all power and chemicals for startup and operation.

2.2 Minimum Start-Up Requirements

- 2.2.1. The Design-Build Entity shall check each electrical control circuit to assure that operation complies with regulations and requirements of proposed work and to provide desired performance.
- 2.2.2. The Design-Build Entity shall check each motor amperage and compare to the amperage nameplate value, and correct any conditions which produce excessive current flow, and exist due to equipment malfunction.
- 2.2.3. The Design-Build Entity shall check glands and seals for cleanliness and proper adjustment before running pump; inspect shaft sleeves for scoring; inspect mechanical faces, chambers, and seal rings, and replace if defective; and verify that piping system is free of dirt and scale before circulating liquid through the pump.
- 2.2.4. System start-up and operational testing procedures shall not be limited to those specified herein. Others shall be performed as required to prove that the system functions and performs as described and required by this Design-Build Criteria Package.

2.3 Equipment Startup and Performance Testing

- 2.3.1. The Design-Build Entity shall be responsible for performance testing during startup of all mechanical, electrical equipment and systems.

- 2.3.2. Provide a testing plan setting forth the sequence in which all testing work required for the proposed upgrades will be implemented.
- 2.3.3. Documentation of the results of all equipment and system tests shall be submitted to the Owner. Provide calibration tags for all Design-Build Entity furnished and installed equipment certifying the date of calibration.
- 2.3.4. The Design-Build Entity shall also be responsible for providing a Certificate of Proper Installation (COPI) for all equipment. COPIs will be provided to the Owner or the Owner's Representative prior to commencing any commissioning, startup and testing activities. COPIs will be included in the Technical Manual.

PART 3 TECHNICAL REQUIREMENTS

3.1 Plant Site / Civil Requirements

The Design-Build Entity shall be responsible for becoming completely familiar with the site conditions in connection with developing the final site plan including all site investigations. If analysis of subsurface conditions, geotechnical conditions, and soil borings are required to complete the work, it shall be the responsibility of the Design-Build Entity to perform this work.

3.2 Demolitions and Equipment Removal

Design-Build Entity shall be responsible for all labor, materials, equipment, and incidentals required for demolitions and pay for all disposal fees. Design-Build Entity shall not start removals without the permission of the Owner. At least 48 hours prior to commencement of any demolition activities, the Design-Build Entity shall advise the Owner, in writing, of the proposed schedule.

Design-Build Entity shall carry out operations so as to avoid interference with Owner's operations and work in the existing facilities. Design-Build Entity shall perform all demolition and removal work so as not to interfere with the use and safe passage to and from adjacent structures and shall prevent damage or injury to structures, occupants, and adjacent features, which might result from falling debris or other causes. Design-Build Entity shall erect and maintain barriers, lights, sidewalk sheds, and other necessary protective devices. The Design-Build Entity is responsible for repairing damage to the Owner's property or facilities, caused by the Design-Build Entity's activities.

Design-Build Entity shall not bring explosives on site or use explosives without the written consent of the proper authorities having jurisdiction. Design-Build Entity shall use water sprinkling, temporary enclosures, and other suitable methods for dust control within the lowest practical level in compliance with governing regulations.

Surfaces of walls, floors, ceilings, or other areas, which are exposed by any of the removals, and which will remain as architecturally finished surfaces shall be repaired and re-finished by Design-Build Entity with the same or matching materials as the existing adjacent surface. Adjacent structures, facilities, and improvements impacted by dust, dirt, and debris caused by demolition operations shall be cleaned and returned to pre-construction conditions.

Where piping that is to be removed passes through existing walls, the piping shall be cut off and properly capped on each side of the wall. When underground piping is to be altered or removed, the remaining piping shall be properly capped. Abandoned underground piping may be left in place and grouted under major structures/roadways, unless it interferes with the work. Any changes to potable water piping work shall be made in conformance with all applicable codes and under the same requirements as other underground piping.

All materials and equipment removed from existing work shall become the property of Design-Build Entity, except for those which Owner has identified and marked for their use. All materials and equipment marked by the Owner for its use shall be carefully removed by Design-Build Entity so as not to be damaged, and shall be cleaned and stored in a protected location specified by the Owner. Design-Build Entity shall dispose of all demolition materials, equipment, debris, and all other items not marked by the Owner, off the work site and in conformance with all existing applicable laws and regulations. Upon completion of the work, all materials, equipment, waste, and debris of every sort shall be removed and premises shall be left, clean, neat, and orderly.

3.3 Trenching, Excavation and Backfill

The Design-Build Entity will adhere to all OSHA and PBC regulations when performing all excavating activities and in compliance with Florida Trench Safety Act. Minimum density shall be 98% of the AASHTO maximum density under pavement and structures and 95% of the AASHTO maximum density in all other areas.

Design-Build Entity shall furnish all labor, materials, equipment and incidentals required to perform all excavating, backfilling and disposing of

earth materials required for the purpose of constructing structures, conduits, pipelines, grading, and other facilities required to complete the work in every respect.

Design-Build Entity shall be solely responsible for designing, installing, operating and maintaining whatever system is required to satisfactorily accomplish all necessary sheeting, bracing, protection, underpinning and dewatering. The use of explosives will not be permitted. All remaining spoil piles and excess fill shall be removed from site.

Design-Build Entity shall be responsible for all field test data and shall submit to Owner copies of all test reports from his testing laboratory.

Design-Build Entity shall perform excavation work in compliance with applicable requirements of governing authorities having jurisdiction. Design-Build Entity shall obtain all necessary permits including but not limited to work in roads and rights of way. Design-Build Entity shall also obtain permits as required by local, state and federal agencies for discharging water from excavations. Design-Build entity shall provide siltation barriers until sod and irrigation is restored.

Data on subsurface conditions will be made available by Owner for the convenience of Design-Build Entity. The reports are not intended as a representation or warranty of continuity of such conditions between soil borings. Owner will not be responsible for interpretations or conclusions drawn by Design-Build Entity. Additional test borings and other exploratory operations may be made by Design-Build Entity at no cost to Owner. Design-Build Entity shall perform utility locates prior to all soil borings.

Drawings from existing records showing certain surface and underground structures adjacent to the work will be made available by Owner. It is not guaranteed to be correct or complete and is shown for the convenience of the Design-Build Entity. Design-Build Entity shall explore ahead of the required excavation to determine the exact location of all structures. They shall be supported and protected from damage by the Design-Build Entity. If they are broken or damaged, they shall be restored immediately by the Design-Build Entity at its expense.

Design-Build Entity shall locate existing underground utilities in the areas of work. If utilities are to remain in place, Design-Build Entity shall provide adequate means of protection during earthwork operations. If uncharted or incorrectly charted piping or other utilities are encountered during excavation, Design-Build Entity shall consult the Owner immediately for directions as to procedure. Design-Build Entity shall cooperate with Owner and utility

companies in keeping respective services and facilities in operation. Design-Build Entity shall repair damaged utilities to the satisfaction of Owner.

Design-Build Entity shall not interrupt existing utilities serving facilities occupied and used by Owner or others, except when permitted in writing by Owner and then only after acceptable temporary utility services have been provided.

3.4 Cast-In-Place Concrete

Where required for wall penetrations, pipe supports, and other repair or replacements required to complete the work, the Design-Build Entity shall be responsible for providing concrete consisting of Portland cement, fine and coarse aggregate, water, and approved admixtures; then combined, mixed, transported, placed, finished and cured to accommodate the proposed work. All admixtures, curing compounds, and related products used in concrete or the curing and repair of concrete, which can contact potable water, shall be certified as conforming to the requirements of ANSI/NSF 61 for contact with potable water when in the finished concrete. Concrete sidewalks shall have minimum 3,000 psi 28-day compressive strength. All structural concrete shall have minimum 4,000 psi 28-day compressive strength.

3.5 Miscellaneous Metals

All metals shall be non-ferrous except of steel reinforcing and as approved by the Owner. All bolt, nuts and washers shall be 316 stainless steel and the nuts shall be coated with a material suitable to prevent galling. All anchor bolts shall be 316 stainless steel (SS) except in chemical containment areas which may have corrosive environments. For chemical containment areas the Design-Build Entity shall select suitable anchor bolts to prevent corrosion if a spill occurs. Stanchions, pipe supports, equipment bases, braces, Unistrut and straps shall be 316 SS or aluminum. Dissimilar metal protection shall be provided through use of appropriate dielectric materials where required.

3.6 Painting and Coating

Design-Build Entity shall provide all labor, materials, tools, equipment, and incidentals as required to furnish and apply coating systems for surface preparation and coating of all new and existing interior and exterior surfaces identified as part of the work. Manufacturer's recommendations, including

surface preparation, cure times, application thickness, application method, applicability of selected paintings and coatings for their intended use shall be strictly followed. Items to be coated shall include but not be limited to walls, floors, piping, equipment, supports and other pertinent accessory items or area damaged by construction activity.

Owner's approval shall be required for all components of the surface preparation, selection of colors, and paint system application before the start of proposed work.

Color-coding of pipelines, valves, equipment and ducts shall comply with applicable standards of ANSI A13.1, ANSI Z535.1, and 40 CFR 1910.144. Finish coats of paint for pipelines and equipment shall be coded in basic colors. Colors shall be brilliant, distinctive shades matching safety and pipeline colors per ANSI Z535.1, Recommended Standards for Water Works; Recommended Standards for Wastewater Facilities, color specifications for safety colors and other primary colors.

Provide pipe labels with flow arrows at each change in direction, tees (all sides) and every 20 feet of straight run.

3.7 Valves and Piping Requirements

The Design-Build Entity is responsible for the location, sizing and selection of all equipment, pipe, valves, supports, and associated materials. The Design-Build Entity shall conform to the current version of the Palm Beach County Water Utilities Minimum Design Standards and Approved Materials List. Valves shall be placed at locations for ease of operation, isolating breaks and testing. Provide adequate unions and dismantling joints to perform routine maintenance.

At a minimum, the following information shall be submitted to the Owner for review and approval prior to installation:

- Detailed drawings and manufacturer's data for valves, pipe, fittings, gaskets, harnessing, supports, bolt kits, couplings, and all other pertinent materials required to complete the work
- Certificates of Compliance with applicable referenced standards and any provisions for valves, pipe, joints, fittings, coatings, linings, sleeves, gaskets, harnessing, and all other appurtenances
- Field pressure testing
- Flushing and disinfection plans

- Signed and sealed by a Professional Engineer registered in Florida calculations for pipe support systems larger than twelve (12) inches in diameter.

Materials shall be delivered to the site to ensure uninterrupted progress of the work. Pipe, fittings, valves and associated other materials shall be handled carefully with approved handling devices. Materials shall be stored on heavy wood blocking or platforms so they are not in contact with the ground. Delivered materials shall be inspected for cracked, gouged, chipped, dented or other damage to the packaging or materials. If such damage is found, damaged materials shall be rejected and immediately removed from the site. If in the process of manufacture, transportation, storage or handling, any valves, pipe, fittings, or associated other materials are damaged, such material shall be rejected and replaced at the Design-Build Entity's expense.

Pipe interiors shall be kept completely free from dirt and foreign matter. All pipe shall be installed in strict accordance with the manufacturer's instructions and recommendations. When pipe must be cut-to-fit in the field, the work shall be performed using tools and equipment specifically designed for cutting the pipe, so as to avoid damage to the pipe and to leave a smooth end. Improperly cut and/or fitted pipe will be rejected and replaced at the Design-Build Entity's expense.

The manufacturer's field representative shall certify the installations observed were satisfactorily completed and all installation crews were familiar with the proper methods and procedures for the pipeline installation.

3.8 Electrical Requirements

3.8.1 Basic Requirements

Design-Build Entity shall design and provide all labor, materials, equipment and incidentals to complete the electrical work. All systems shall be properly grounded. Exterior systems shall have lightning protection.

3.8.2 Codes

Material and equipment shall be installed in accordance with the current standards and recommendations of the National Electrical Code, the National Electrical Safety Code, and with local codes that apply. Where discrepancies arise between codes, the most restrictive regulation shall apply.

3.8.3 Area Classifications

3.8.3.1. Wet Locations: The following areas shall be considered wet locations:

3.8.3.1.1. All outdoor areas.

3.8.3.1.2. All indoor areas below grade unless otherwise specified.

3.8.3.1.3. Materials, equipment and incidentals in areas identified as wet locations shall meet NEC and NEMA requirements for wet locations. Enclosures shall meet NEMA 4 requirements as a minimum. Conduits shall be terminated at enclosures with watertight, threaded hubs.

3.8.3.2. Corrosive Locations

All chemical storage and pumping areas or rooms. Materials, equipment and incidentals in areas identified as corrosive shall meet NEC and NEMA requirements for corrosive locations. Conduit systems shall be PVC and enclosures shall meet NEMA 4X requirements. Conduits shall be terminated at enclosures with watertight hubs. Independent supports shall be 316 stainless steel struts.

3.8.4 Electrical Equipment

All new electrical equipment shall be capable of operating successfully at full-rated load, without failure, with an ambient outside air temperature of 0 degrees F to 122 degrees F and an elevation of 400 feet (MSL). All electrical devices and equipment shall have ratings based on 75 degrees C terminations. All electrical equipment enclosures at a minimum shall meet NEMA 12 requirements.

3.8.5 Schematic Diagrams

Schematic diagrams shall be prepared by the Design-Build Entity to act as guidance in fulfilling the operational intent of the conceptual documents. It shall be the Design-Build Entity's responsibility to meet all safety and electrical codes, and to provide all equipment, appurtenances and specialty items required to provide for complete and operable systems. Review of control schemes submitted by Design-Build Entity shall not relieve Design-Build Entity of their contractual responsibility to provide complete and successfully operating systems.

Provide updates to the instrumentation loop diagrams for the equipment which has been added and/or modified.

3.8.6 Raceway Systems

Design-Build Entity shall furnish and install conduit and fittings to form complete, coordinated and grounded raceway systems. Electrical cables shall not be exposed. Design-Build Entity shall provide for the proper installation of all conduits for each system.

- 3.8.6.1. Rigid aluminum conduit for exposed indoor conduit runs in non-corrosive areas.
- 3.8.6.2. PVC Schedule 80 for individual conduit runs buried in earth.
- 3.8.6.3. Schedule 40 PVC for conduit runs embedded in or under structural concrete slabs, or in concrete ductbanks (all sites). Ductbanks and concrete slabs shall have red dye on the top to indicate they are for electrical.
- 3.8.6.4. PVC Schedule 80 conduit for exposed indoor and outdoor runs in corrosive areas.
- 3.8.6.5. Flexible conduit shall be used only for short connections (no more than two feet in length) to motors and equipment.

3.8.7 Inspections, Testing and Adjustments

Accompany the normal installation tests with inspections to demonstrate to the satisfaction of the required jurisdictional authorities the following:

- 3.8.7.1. Connections: All circuits are properly connected in accordance with the drawings and applicable approved shop drawings.
- 3.8.7.2. Operation: All circuits and devices are operable.
- 3.8.7.3. Identification: All conductors are properly identified at each terminal.

Test each electrical circuit after permanent cables are in place to demonstrate that the circuit and connected equipment perform satisfactorily and that they are free from improper grounds and short circuits. Individually test 600-volt cables for insulation resistance between phases, and from each phase to ground, for wire size No.6 AWG or larger. Test after cables are installed and before they are put in service with a Megger whose rating is suitable for the tested circuit for wire size No.6 AWG or larger. Tests shall meet with the applicable specifications of ICEA S 66 524 and NEMA WC7 1971. The insulation resistance for any given conductor shall not be less than 1 megohm for 600 volt and less service. Any cable not meeting this value or which fails when tested under full load conditions shall be

replaced with a new cable for the full length. Megger testing reports shall be submitted and included in the Technical Manual.

Test shielded instrumentation cable shields with an ohmmeter for continuity along the full length of the cable and for shield continuity to ground. Connect shielded instrumentation cables to a calibrated 4-20 milliamp DC signal transmitter and receiver. Test at 4, 12, and 20 milliamp transmitter settings.

Test the completed ground systems for continuity and for resistance to ground using an electrical ground resistance tester. Ground system resistance must be less than 5 ohms. Add up to two additional rods, spaced at 20 feet minimum from other electrodes, until resistance is less than 5 ohms.

Operate all starters, circuit breakers and associated equipment to demonstrate suitability and compliance with Specifications and reference standards, except for short circuit interrupting rating or other inherent design features covered by shop tests. Test all motors for direction of rotation and reverse connections if necessary. Check control circuits to determine that operation and sequence are correct and adjust limit switches, pressure switches, float switches, timers and other devices to give proper operation.

Each generator provided by the Design-Build Entity shall be tested under normal plant load for 24 hours without failure or shutdown to confirm fuel systems are working as required.

3.9 Instrumentation and Control Requirements)

3.9.1. General

Design-Build Entity shall provide all labor, materials, equipment and incidentals as shown, specified and required to furnish, install, calibrate, test, start-up and place in satisfactory operation a complete and operating system for proposed work, including programming of the PLC, SCADA, and all required wire terminations. Tag number, equipment number, and description shall match the Owners numbering convention standards.

3.9.2. Calibration, Start-Up and Testing

Field verify the calibration and performance of each instrument prior to start-up of the associated equipment, and document on a separate sheet for each.

3.9.3. System Check-Out and Start-Up Responsibilities

Design-Build Entity shall retain the services of a single system-supplier to supervise and/or perform check-out and start-up of all system components. As part of these services, the system supplier shall coordinate and include check-out and start-up for those equipment items not manufactured or provided by him. The services of an authorized manufacturer's representative to check the equipment installation and place the equipment in operation may be required. The manufacturer's representative shall be thoroughly knowledgeable about the installation, operation and maintenance of the equipment.

Check and approve the installation of all instrumentation and control system components and all cable and wiring connections between the various system components prior to placing the various processes and equipment into operation. Conduct a complete system checkout and adjustment, including calibration of all instruments, tuning of control loops, checking operation functions, and testing of final control actions. When there are future operational functions included in this work, they should be included in the system checkout. All problems encountered shall be promptly corrected to prevent any delays in startup of the various unit processes.

System supplier shall provide all test equipment necessary to perform testing during system checkout and start-up. Design-Build Entity and system supplier shall be responsible for initial operation of monitoring and control system and shall make any required changes, adjustment or replacements for operation, monitoring and control of the various processes and equipment necessary to perform the functions intended.

Design-Build Entity shall furnish to the Owner certified calibration reports for field instruments and panel mounted devices specified in this Section as soon as calibration is completed. Design-Build Entity shall furnish Owner an installation inspection report certifying that all equipment has been installed correctly and is operating properly. The report shall be signed by authorized representatives of both Design-Build Entity and the system supplier.

3.9.4. Instrumentation and Control System Field Test

Following the plant monitoring and control system checkout and initial operation, system supplier, under the supervision of the Design-Build Entity, shall perform a complete system test to verify

that all equipment and programmed software is operating properly as a fully integrated system, and that the intended monitoring and control functions are fully implemented and operational. Any defects or problems found during the test shall be corrected by the system supplier, and then retested to demonstrate proper operation. Following demonstration of all system functions, the plant monitoring and control system including field sensors/transducers and instruments, and telemetry system shall be running and fully operational for a continuous 72-hour period.

3.9.5. Control Panels and Enclosures

Control panels located inside control or electrical room areas shall be NEMA 12 rated unless differently noted on drawings. All others shall be stainless steel or non-metallic NEMA 4 except in corrosive areas, which shall be NEMA 4X. Provide panel ventilation or air conditioning if required by ambient conditions. Use pan type construction for doors. Door widths shall not exceed 36-inches. Exterior panel with displays shall face north. Exterior control panels shall be 316 stainless steel with powder coated white epoxy exterior finish.

3.9.6. Surge Protection

Surge protection shall be provided to protect all electronic instrumentation from surges propagating along the signal, telephone, and power supply lines. Locate the suppression device as close as possible to the load device. The protection systems shall be such that the protection level shall not interfere with normal operation, but shall be lower than the instrument surge withstand level, and be maintenance free and self-restoring. Instruments shall be housed in suitable metallic cases, properly grounded. Ground wires for all surge protectors shall be connected to a good, earth ground and where practical, each ground wire run individually and insulated from each other.

PART 4 SUBMITTALS

4.1 Design-Build Entity submittals shall include but not be limited to:

- 4.1.1. Preliminary Design Technical Memorandum
- 4.1.2. Drawings, Specifications and Calculations
 - 4.1.2.1. 60% Design
 - 4.1.2.2. 100% Design
- 4.1.3. Shop Drawings

- 4.1.4. CPM Schedule
 - 4.1.4.1 Baseline Schedule
 - 4.1.4.2 Initial 30-day Plan of Operation
 - 4.1.4.3 Four week Look Ahead Schedules
 - 4.1.4.4 Minimum monthly schedule updates
 - 4.1.4.5 90-days to Completion Schedule
- 4.1.5. Certificate of Proper Installation (COPI)
- 4.1.6. Operations and Maintenance Manuals with electronic files
- 4.1.7. Testing reports (e.g. soil density, concrete, megger)
- 4.1.8. Permits
- 4.1.9. Shutdown Plan (s)
- 4.1.10. Commissioning Plan for startup and testing activities
- 4.1.11. List of spare parts, tools and 90-day operating supplies
- 4.1.12. Closeout Documents
 - 4.1.12.1 Warranties
 - 4.1.12.2 Final payment request
 - 4.1.12.3 Provide Notification to Surety of Completion of Construction
 - 4.1.12.4 Provide Consent of Surety for Final Payment
 - 4.1.12.5 Provide list of firms/persons submitting Notice to Owner
 - 4.1.12.6 Provide Final warranty of Title
 - 4.1.12.7 Provide final payment request with all SBE's and M/WBE's paid in full and provide all Schedule 4 documents from each.

ATTACHMENT J

SUPPORTING DOCUMENTS

VENDOR QUOTE SUMMARY

PBCWUD General Facilities Safety Improvements

WO-6

GT #120491

Bid Section	Description	Vendor/Contractor	Cost	Note
2-SITEWORK	SOIL BORING & GPR, & TESTING	PACIFICA ENGINEERING SERVICES	\$ 9,475.00	SBE - TEAM
5-METALS	MIEX COVERS	MOSS KELLY	\$ 354,900.00	SOLE SOURCE
5-METALS	GUARDRAILS, GRATING, STAIRS, PLATFORM, HANDRAIL, PLATE HATCH, SAFETY GRATING	APEX WELDING SERVICES	\$ 640,703.50	SBE - TEAM
5-METALS	HELICAL PILES	X-TREME INDUSTRIES	\$ 10,170.00	SELECTED VENDOR
5-METALS	HELICAL PILES	BODAX FOUNDATIONS	\$ -	NA
5-METALS	HELICAL PILES	DOSDOURIAN	\$ 16,350.00	HIGHER
5-METALS	THICKENER, BLOWER, RAS/WAS	WALKER DESIGN & CONSTRUCTION	\$ 102,409.00	SBE - TEAM
5-METALS	RAS/WAS PUMP STATION	MCDADE WATERWORKS	\$ 104,492.96	SOLE SOURCE
100-ENGINEERING	ENGINEERING	LAKDAS	\$3,349,328.94	SBE - TEAM
40-PROCESS INTERCONNECTIONS	HOT TAPPING	RANGELINE GROUP	\$ 70,560.00	SELECTED VENDOR
40-PROCESS INTERCONNECTIONS	HOT TAPPING	FFC	\$ -	NO RESPONSE
40-PROCESS INTERCONNECTIONS	HOT TAPPING	WET TAPS	\$ -	NO RESPONSE
41-RENTAL EQUIPMENT	EQUIPMENT	UNITED SITE SERVICES	\$ -	MULTIPLE QUOTES/EQUIPMENT ADDED
41-RENTAL EQUIPMENT	CRANE	ALLEGIANCE	\$ 33,440.00	SOLE SOURCE
41-RENTAL EQUIPMENT	SAFETY PROGRAM	TOTAL SAFETY	\$ 28,890.00	SBE - TEAM

February 11, 2025

Palm Beach County Water Utilities Department
8100 Forest Hill Blvd.
West Palm Beach, FL 33413

Attention: Jane House, P.E. LEED AP, Director of Engineering Division

RE: Contract for Optimization & Improvements Design-Build (R2023-0086)
PBCWUD Critical Facilities Safety Improvements WO-06
SBE Goal

Dear Ms. House:

Based on the original work scope and subcontractor estimates, the small business enterprise (SBE) goal for this project is initially set at **18.23%**. The SBE participation goal for our master agreement is set to **24%**.

To meet the goals outlined in our Master Agreement, we recognize the importance of increasing our SBE participation to align with the originally intended percentage. Our previous team member, who was listed on our agreement, no longer meets the SBE requirements, which decreases our percentages. In response, we are actively seeking to partner with additional SBE firms that fit the needs of Globaltech and future Palm Beach County projects.

We understand the importance of meeting these participation goals and will continue to take proactive steps to improve SBE engagement on future projects.

Regards,



Bruce Rahmani,
VP of Construction
Globaltech, Inc.

02-10-2025

Structural Engineering Services
Pahokee Water Treatment Plant
Belle Glade Water Treatment Plant
SRWRF Water Treatment Plant

LYE Salary Cost

[illegible]

WORK AUTHORIZATION

FEE PROPOSAL

Water Treatment Plant No.8 Process Improvements Design Permitting, and Bidding Services

LYE Salary Cost	Principal		Project Manager		Engineer		Administrative Assistant		Totals	
	Hr. Rate	\$214.26	Hr. Rate	\$161.32	Hr. Rate	\$109.70	Hr. Rate	\$70.98		
	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost
Task 5.1 - Site Inspections	32	\$6,856.32	51	\$8,227.32	54	\$5,923.80	16	\$1,135.68	153	\$22,143.12
Task 5.2 - Final Certification	44	\$9,427.44	60	\$9,679.20	96	\$10,531.20	17	\$1,206.66	217	\$30,844.50
Subtotals	76	\$16,283.76	111	\$8,227.32	150	\$16,455.00	33	\$2,342.34	370	\$52,987.62
Total										\$334,938.94



REVISED February 14, 2025
January 24, 2025

GlobalTech
901 Yamato Road, Suite 220
Boca Raton, Florida 33431

Attention: Ms. Angelica Torres
Email: atorres@globaltechdb.com
Phone: (561) 997-6433

Re: Proposal for Geotechnical Engineering Services
Pahokee WWTP Staircase
1001 Rim Canal Road
Pahokee, Florida 33476
PACIFICA Proposal No. 610-120110539

Dear Ms. Torres:

In accordance with your email dated January 24, 2025, and the plans provided, **Pacifica Engineering Services, LLC (PACIFICA)**, is pleased to submit this proposal to perform a subsurface exploration program for the above referenced project. Included herein is our understanding of the proposed development along with a scope of services, cost estimate and anticipated schedule to conduct a geotechnical engineering study.

We understand that this project includes the design and construction of a staircase at the Pahokee WWTP located at 1001 Rim Canal Road in Pahokee, Florida. We have assumed maximum loads of 75 kips for the staircase. Additionally, site grading information was not provided, therefore we have assumed existing site grades will be within 2 feet of final site grades.

If any of the above information is incorrect, please notify us so we can make any necessary changes to this proposal.

Based on the review of the provided plans, PACIFICA proposes to perform the following geotechnical field services:

- two (2) Standard Penetration Test (SPT) borings to a depth of 25 feet below the existing grade.

The SPT borings will be performed with truck-mounted machinery using mud rotary drilling procedures. Samples of the in-place materials will be recovered with a standard split barrel sampler driven with a 140-pound hammer falling 30 inches (in general accordance with ASTM D1586). After completion of the SPT borings, the locations will be backfilled with excavated soil, and the site generally cleaned, as required.

Underground utility clearance will be required prior to commencing the drilling of the borings. Therefore, PACIFICA will contact "Sunshine One-Call" Service to obtain underground public utility clearance. **If requested, PACIFICA will conduct Ground Penetrating Radar (GPR) to identify any private utilities in the areas of the boring locations.** If private utilities are known, PACIFICA assumes that the locations of these utilities will be marked in the field prior to mobilization.

After the geotechnical field exploration is completed, a geotechnical engineer will review the soil samples and select samples will be tested for physical properties such as gradation, moisture content and organic content, if deemed necessary. The results of the geotechnical exploration will be transmitted in a report which will specifically contain information listed below:

- 1. a plan of the site showing the location of the soil borings;
- 2. soil boring logs will be provided, which furnish the results of the SPT sampling;
- 3. helical pile foundation recommendations;
- 4. requirements for site preparation;
- 5. an anticipation of groundwater levels and methods for handling groundwater during construction; and
- 6. some construction considerations.

The geotechnical engineering evaluation can begin one day after we receive authorization to proceed. PACIFICA will start the field exploration after underground utilities have been located and identified, which may take 2-4 business days. The field exploration should be completed within one workday. The written report of the subsurface exploration and engineering evaluation will be available within seven to nine business days following the field demobilization. We estimate that our study will be completed within three weeks from your notice to proceed.

Based on our general knowledge of the subsurface conditions at the site and our understanding of your requirements, PACIFICA proposes to complete the subsurface exploration and geotechnical engineering evaluation described herein for a lump sum fee of **\$3,000.00**. Fees for GPR Services are not included in the lump sum price and will be billed at a unit price of **\$800.00, if requested**.

PACIFICA appreciates your consideration of our firm for this project. We wish to note that PACIFICA recognizes the importance of meeting schedule deadlines, staying on budget and being responsive to your needs and those of your design team. We look forward to working with you on this project.

Respectfully submitted,

Pacifica Engineering Services
Florida Certification of Authorization License No. 32328



Marc Restrepo, E.I.
Staff Geotechnical Engineer



Patrick Montgomery, P.E.
Sr. Geotechnical Engineer
FL License No. 81132

Attachments: General Conditions
 Fees Breakdown
 Proposed Boring Location Map

Authorized By:	Date:
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Pacifica's General Conditions

1. **SCOPE OF WORK:** Work means the specific geotechnical, analytical, testing or other service to be performed by Pacifica Engineering Services, LLC. (Pacifica) as set forth in Pacifica's proposal. Client's acceptance of the scope of work and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by Pacifica. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of Pacifica's work. Pacifica shall have no duty or obligation to any third party greater than that set forth in Pacifica's proposal, Client's acceptance of Pacifica's proposal and these General Conditions. The ordering of work from Pacifica, or the reliance on any of Pacifica's work, shall represent acceptance of the terms of Pacifica's proposal and these General Conditions, regardless of the terms of any subsequently issued document.
2. **RIGHT-OF-ENTRY** -The client will provide right-of-entry for Pacifica and all necessary equipment in order to complete the work. While Pacifica will take all reasonable precautions to minimize any damage to the property, it is understood by Client that in the normal course of work some damage may occur; the correction of which is not part of this agreement.
3. **DAMAGE TO EXISTING MAN-MADE OBJECTS** -The Client, will provide the location of all underground utilities or obstructions to Pacifica who, in the prosecution of their work, will take all reasonable precautions to avoid damage or injury to any such subterranean structure or utility. The Owner agrees to hold Pacifica harmless for any damages to subterranean structures which are not called to Pacifica's attention and correctly shown on the plans furnished and will reimburse Pacifica for any expenses in connection with any claims or suits including reasonable attorney fees at the trial and appellate levels.
4. **IN-PLACE MATERIALS TESTING** - Pacifica will not be responsible for repair or damage to portions of structures designated for in-place materials testing. Repairs can be made for aesthetic reasons if requested in advance of the work to be performed. The cost for labor and materials would be charged.
5. **SAMPLE RETENTION** - Pacifica will retain all soil and rock samples obtained for geotechnical explorations for 30 days. Samples subjected to Construction Materials and Laboratory testing are disposed of subsequent to testing. Further storage or transfer of samples can be made at Client's expense upon written authorization.
6. **DEFINITION OF RESPONSIBILITY (OBSERVATION SERVICES)** - The presence of our field representative will be for the purpose of providing observation and field testing. Our work does not include supervision or direction of the actual work of the contractor, his employees or agents. The contractor for this project should be so advised.
 - 6.1. The Contractor should also be informed that neither the presence of our field representative or the observation and testing by our firm shall excuse him in any way for defects discovered in his work. It is understood that Pacifica will not be responsible for the Contractor's job or site safety on his project. That will be the sole responsibility of the contractor.
7. **STANDARD OF CARE** -Service performed by Pacifica under this Agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranty, expressed or implied, is made.
 - 7.1. Client recognizes that subsurface conditions may vary from those encountered at the location where borings, surveys or explorations are made by Pacifica and that the data, interpretations and recommendations of Pacifica are based solely on the information available to it. Pacifica shall not be responsible for the interpretation by others of information developed.
8. **ORAL AGREEMENTS** -No oral agreement, guarantee, promise, representation or warranty shall be binding.
9. **OWNERSHIP OF DOCUMENTS** -All reports, boring logs, field data and notes, laboratory test data, calculations, estimates and other documents prepared by Pacifica, as instruments of service, shall remain the property of Pacifica until final payment is received and a letter of copyright transfer been executed.
10. **BASIS OF PAYMENT** -Payment is due within 30 days of date of invoice. Payments not made when due shall bear interest at eighteen (18) percent annum or at the maximum rate allowed by law from the date of the invoice until same is paid.
 - 10.1. If the Client fails to make any payment due to Pacifica for service and/or expenses within 60 days of date of invoice, Pacifica may, after giving seven days' written notice to Client, suspend services until all outstanding amounts have been paid to Pacifica in full. Further, Pacifica may, in addition to withholding services, or singularly, withhold reports, plans and other documents not paid in full by the Client. In the event that final payment for completed work is not made, Pacifica shall request that all copyrighted documents which were submitted to client be returned and all information used in project plans be removed from project documents.
 - 10.2. In the event it is necessary to take legal action to effect collection, whether or not litigation is commenced, the Client agrees to reimburse Pacifica for expenses in connection with any claims or suits, including reasonable attorney's fees, including but not limited to the trial and appellate levels.
 - 10.3. This contract shall be governed by the laws of the State of Florida.
11. **CONSTRUCTION REVIEW** - Pacifica cannot accept responsibility for any design work unless the work includes services for construction review to determine whether or not the work performed is in substantial compliance with Pacifica's conclusions and recommendations.
12. **INDEMNIFICATION** - Pacifica agrees to hold harmless and indemnify Client from and against liability arising out of Pacifica's negligent performance of the work. Client agrees to indemnify and hold Pacifica harmless from all liability including all costs, attorney's fees and expenses of defense for any claims by any other person or corporation which may arise out of the performance or breach of this contract for which Pacifica was not solely negligent.
13. **LIMITATION OF LIABILITY** -The Client/Owner agrees to limit Pacifica's liability for negligent professional acts, errors or omissions, such that the total aggregate liability of Pacifica shall not exceed \$2,500 or the total fee for the services rendered on this project; whichever is greater. The Owner further agrees to require the contractor and his subcontractors a similar limitation of liability suffered by the contractor or the subcontractors arising from Pacifica's negligent professional acts, errors or omissions.
 - 13.1. If Client prefers to have higher limits on professional liability, Pacifica agrees to increase the limits up to a maximum of \$1,000,000 upon Client's written request at the time of accepting our proposal provided that Client agrees to pay an additional consideration of 5 percent of our total fee. The additional charge for the higher liability limits is because of the greater risk assumed and is not strictly a charge for additional professional liability insurance.
14. **INSURANCE** - Pacifica represents and warrants that it and its agents, staff and consultants employed by it are protected by Worker's Compensation insurance and Employer's Liability Insurance in conformance with applicable state laws. Pacifica has such coverage under public liability and property damage insurance policies that Pacifica deems to be adequate. A Certificate of Insurance can be supplied evidencing such coverage upon request.
 - 14.1. Within the limits and conditions of such insurance, Pacifica agrees to indemnify and save client harmless from and against any loss, damage or liability arising from any negligent acts by Pacifica, its agents, staff and consultants employed by it. Pacifica shall not be responsible for any loss, damage or liability beyond the amounts, limits and considerations of such insurance. Pacifica shall not be responsible for any loss, damage or liability arising from any acts by clients, its agents, staff and other consultants employed by it.
 - 14.2. Cost of the above coverage is included in our quoted fees. If additional coverage or increased limits of liability are required, Pacifica will endeavor to obtain the requested insurance and charge separately for costs associated with additional coverage or increased limits.
15. **TERMINATION** -This agreement may be terminated by either party upon seven days written notice in the event of substantial failure by the other party to perform in accordance with the terms thereof. Such termination shall not be effective if the substantial failure has been remedied before expiration of the period specified in the written notice. In the event of termination, Pacifica shall be paid for services performed to the termination notice date plus reasonable termination expenses.
 - 15.1. In the event of termination or suspension for more than three months, prior to completion of all reports contemplated by this Agreement, Pacifica may complete a report on the services performed to the date of notice of termination or suspension. The expenses of termination or suspension shall include all direct costs for Pacifica in completing such analyses, records and reports.
16. **CLIENT'S OBLIGATION TO NOTIFY PACIFICA** - Client represents and warrants that it has advised Pacifica of any known or suspected hazardous materials or conditions, utility lines and pollutants at any site at which Pacifica is to do work hereunder, and unless Pacifica has assumed in writing the responsibility of locating subsurface objects, structures, lines or conduits, Client agrees to defend, indemnify and save Pacifica harmless from all claims, suits, losses, costs and expenses, including reasonable attorney's fees as a result of personal injury, death or property damage occurring with respect to Pacifica's performance of its work and resulting to or caused by contact with subsurface or latent objects, structures, lines or conduits where the actual or potential presence and location thereof were not revealed to Pacifica by Client.
17. **HAZARDOUS MATERIALS** -This agreement shall not be interpreted as requiring Pacifica to assume the status of an owner, operator, generator, storer, transporter, treater or disposal facility as those terms appear within RCRA or within any Federal or State statute or regulation governing the generation, transportation, treatment, storage and disposal of pollutants.



COST BREAKDOWN

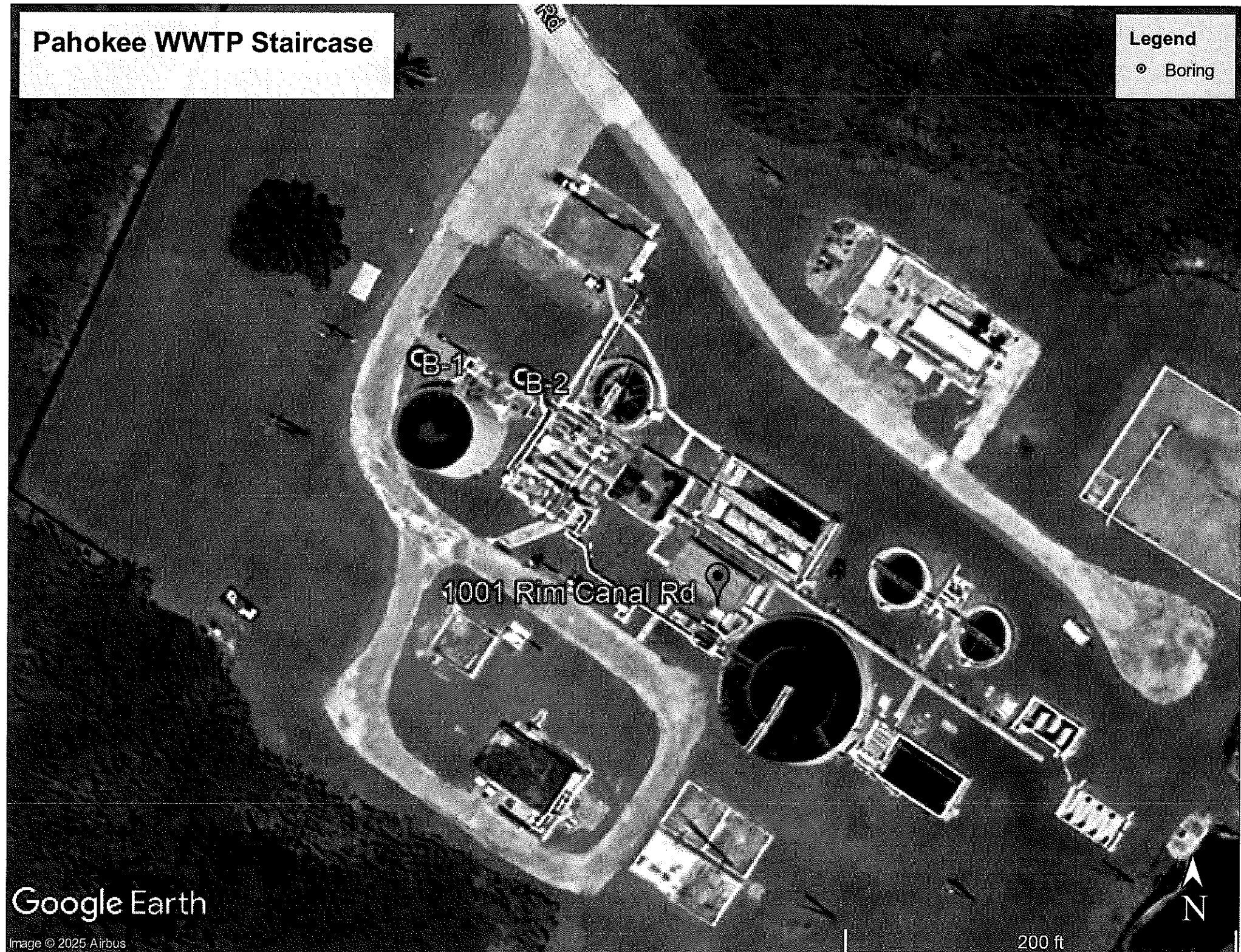
14-Feb-25

<u>DESCRIPTION</u>	<u>UNIT</u>	<u># OF UNITS</u>	<u>UNIT RATE</u>	<u>TOTAL</u>
<u>I. FIELD EXPLORATIONS</u>				
Mobilization of Drill Equipment	each	1.0	\$500.00	\$500.00
Soil Test Borings with Truck Mounted Rig (ASTM D-1586) - 0 to 50 Feet	feet	50.0	\$14.00	\$700.00
Soil Test Borings with Truck Mounted Rig (ASTM D-1586) - 50 to 100 Feet	feet	0.0	\$15.00	\$0.00
Soil Test Borings with Truck Mounted Rig (ASTM D-1586) - 100 to 150 Feet	feet	0.0	\$21.00	\$0.00
Casing (3 in) - Truck Mounted Rig - 0 to 50 feet	feet	40.0	\$6.00	\$240.00
Casing (3 in) - Truck Mounted Rig - 50 to 100 feet	feet	0.0	\$7.50	\$0.00
Casing (3 in) - Truck Mounted Rig - 100 to 150 feet	feet	0.0	\$10.20	\$0.00
Grout - Truck Mounted Rig - 0 to 50 feet	feet	0.0	\$4.50	\$0.00
Grout - Truck Mounted Rig - 50 to 100 feet	feet	0.0	\$5.50	\$0.00
Grout - Truck Mounted Rig - 100 to 150 feet	feet	0.0	\$6.50	\$0.00
Percolation Test per SFWMD	each	1.0	\$500.00	\$500.00
Senior Engineering Technician (Site Reconnaissance, Boring Layout and Underground Utility Clearance)	hour	2.0	\$75.00	\$150.00
Ground Penetrating Radar (GPR)	each	0.0	\$1,000.00	\$0.00
<u>II. LABORATORY TESTING</u>				
Determination of Organic Content	each	1.0	\$45.00	\$45.00
Natural Moisture Content	each	0.0	\$25.00	\$0.00
Wash No. 200 Sieve (ASTM D-1140)	each	1.0	\$40.00	\$40.00
<u>III. ENGINEERING SERVICES</u>				
Principal Engineer, P.E.	hour	1.0	\$150.00	\$150.00
Senior Geotechnical Engineer	hour	3.0	\$130.00	\$390.00
Staff Geotechnical Engineer	hour	3.0	\$95.00	\$285.00
ESTIMATED GEOTECHNICAL FEE FOR THE PROJECT				\$3,000.00

Pahokee WWTP Staircase

Legend

⊙ Boring



Google Earth

Image © 2025 Airbus

200 ft



January 24, 2024

Globaltech

901 Yamato Rd., Suite 220
Boca Raton, FL 33431
Phone: (561) 997-6433
Email: ATorres@globaltechdb.com

Attention: Ms. Angelica Torres

**Re: Proposal for Construction Materials Testing Services
Pahokee WWTP**
1001 Rim Canal Road
Pahokee, FL 33476
PACIFICA Proposal No: 610-120110533

Dear Ms. Toress:

INTRODUCTION

Pacifica Engineering Services, LLC (PACIFICA) is pleased to provide this proposal for **Construction Materials Testing Services** for the subject project.

PACIFICA QUALIFICATIONS

PACIFICA is a recognized consulting engineering and testing firm providing integrated services in several disciplines, including geotechnical engineering, construction services, materials engineering and testing, roof and pavement consulting, asbestos management, and facilities consulting and engineering.

PACIFICA has provided similar services for several projects in the Tri-County areas; therefore, we have a very good understanding of the project, the local building department's requirements, as well as understand the critical nature of the inspection and testing requirements for this project.

Our staff includes registered professional engineers with significant construction inspection and testing experience. Our technicians/inspectors are ICC, PTI, CWI, ACI, CTQP trained/certified in their respective disciplines. PACIFICA is licensed in the State of Florida to provide Engineering Services.

PROJECT CONSIDERATIONS

It is our understanding that the proposed project will consist of the installation of helical piles and concrete pile caps for stairs. Based on our experience providing our services for similar projects, PACIFICA proposes to provide the following scope of services during construction:

PROPOSED SCOPE OF SERVICES

Estimations for Engineer Technician hours are based on providing our services on a part-time, on-call basis as follows:

Earthwork Testing and Site Preparation:

- Perform laboratory testing of proposed fill soils to determine their suitability, and moisture content versus dry density relationship.
- Provide qualified personnel to perform in-place nuclear density tests and moisture content tests on an "on-call basis" for the foundation excavations, building pad backfill, subbase and base layers beneath the proposed pavement areas, and utility backfill areas.
- *In-Place Nuclear Density tests are included in the Engineering Technician rate.*

Concrete Sampling and Testing:

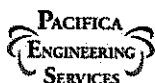
- Sample and test concrete and mold compressive strength cylinders on a "part-time basis". Testing of the concrete will include measurement of its slump, air content, and temperature.
- Perform laboratory compressive strength tests on cured concrete cylinders as outlined in the project specifications.

Helical Pile Installation Monitoring Services:

- Our services for this phase of the project will consist of monitoring the helical pile installations. An engineering report will be issued after the completion of the helical pile program and the presenting our observations and the field data gathered.
- Based on our experience providing our services for similar projects, our estimate is based on an assumed **1-day** duration for helical pile installation.

COMPENSATION, PAYMENT AND TERMS

Based on the described scope of services and our experience with similar projects, we have developed a **LUMP SUM COST** of **\$2,215.00** for material testing services. You will be contacted for authorization should additional services beyond the estimated budget be required to complete the scope of services. Please note that we do not have control over the contractor's construction practices, schedules, or inclement weather. We understand that we will have failed inspections throughout the project, and as such we will not charge any additional fees for failed inspections. If fail inspections become excessive, we will coordinate a meeting with the GC, Subs and Owner to discuss a way forward to minimize the failing inspections.



AUTHORIZATION

If this proposal is acceptable, please sign in the space provided to formalize the agreement. We note that the attached General Conditions are a part of this proposal.

We appreciate the opportunity of submitting this proposal and look forward to working with you on this project. Please contact us by phone 561-693-8093 or email at wesley.foster@pacificaes.com if any questions arise or if we may be of any service in any way.

Respectfully submitted,

Pacifica Engineering Services
Florida Certification of Authorization License No. 32328



Christopher Fernandez, P.E.
Department Manager



Wesley C. Foster, P.E.
Principal Engineer

Attachments: Cost Breakdown
 Project Data Sheet
 General Conditions

AUTHORIZED BY:	INVOICE TO:
Signature:	Firm:
Name:	Address:
Title:	
Date:	Attention:



LUMP SUM COST BREAKDOWN

	#	UNIT	RATE	TOTAL
I. MATERIAL TESTING SERVICES				
Proctor Test (Modified Methods)	1	Each	\$ 95.00	\$ 95.00
Engineering Technician (In-place Nuclear Density Tests)	8	Hours	\$ 50.00	\$ 400.00
Compressive Strength of Concrete and Grout	2	Sets	\$ 50.00	\$ 100.00
Engineering Technician (Concrete and Grout Sampling)	8	Hours	\$ 50.00	\$ 400.00
Project Engineer (P.E.) (Project Management & Report Review)	2	Hours	\$ 110.00	\$ 220.00
Clerical (Report Preparation)	2	Hours	\$ 45.00	\$ 90.00
Sub Total for Material Testing Services				\$ 1,305.00
II. GROUND IMPROVEMENT				
Helical Pile Monitoring Services	1	LS	\$ 910.00	\$ 910.00
Sub Total for Ground Improvement Services				\$ 910.00
TOTAL LUMP SUM FEE				\$ 2,215.00

Notes:

- Contractor to schedule our services one business day prior by 3pm via email schedule@pacificaes.com.





January 24, 2024

Globaltech

901 Yamato Rd., Suite 220
Boca Raton, FL 33431
Phone: (561) 997-6433
Email: ATorres@globaltechdb.com

Attention: Ms. Angelica Torres

**Re: Proposal for Construction Materials Testing Services
SRWRF**
12751 Hagen Ranch Rd
Boynton Beach, FL 33437
PACIFICA Proposal No: 610-120110534

Dear Ms. Toress:

INTRODUCTION

Pacifica Engineering Services, LLC (PACIFICA) is pleased to provide this proposal for ***Construction Materials Testing Services*** for the subject project.

PACIFICA QUALIFICATIONS

PACIFICA is a recognized consulting engineering and testing firm providing integrated services in several disciplines, including geotechnical engineering, construction services, materials engineering and testing, roof and pavement consulting, asbestos management, and facilities consulting and engineering.

PACIFICA has provided similar services for several projects in the Tri-County areas; therefore, we have a very good understanding of the project, the local building department's requirements, as well as understand the critical nature of the inspection and testing requirements for this project.

Our staff includes registered professional engineers with significant construction inspection and testing experience. Our technicians/inspectors are ICC, PTI, CWI, ACI, CTQP trained/certified in their respective disciplines. PACIFICA is licensed in the State of Florida to provide Engineering Services.

PROJECT CONSIDERATIONS

It is our understanding that the proposed project will consist of the construction of eight (8) concrete landing pads next to clarifiers. Based on our experience providing our services for similar projects, PACIFICA proposes to provide the following scope of services during construction:

PROPOSED SCOPE OF SERVICES

Estimations for Engineer Technician hours are based on providing our services on a part-time, on-call basis as follows:

Earthwork Testing and Site Preparation:

- Perform laboratory testing of proposed fill soils to determine their suitability, and moisture content versus dry density relationship.
- Provide qualified personnel to perform in-place nuclear density tests and moisture content tests on an "on-call basis" for the foundation excavations, building pad backfill, subbase and base layers beneath the proposed pavement areas, and utility backfill areas.
- *In-Place Nuclear Density tests are included in the Engineering Technician rate.*

Concrete Sampling and Testing:

- Sample and test concrete and mold compressive strength cylinders on a "part-time basis". Testing of the concrete will include measurement of its slump, air content, and temperature.
- Perform laboratory compressive strength tests on cured concrete cylinders as outlined in the project specifications.

COMPENSATION, PAYMENT AND TERMS

Based on the described scope of services and our experience with similar projects, we have developed a **LUMP SUM COST** of **\$3,460.00** for material testing services. You will be contacted for authorization should additional services beyond the estimated budget be required to complete the scope of services. Please note that we do not have control over the contractor's construction practices, schedules, or inclement weather. We understand that we will have failed inspections throughout the project, and as such we will not charge any additional fees for failed inspections. If fail inspections become excessive, we will coordinate a meeting with the GC, Subs and Owner to discuss a way forward to minimize the failing inspections.

AUTHORIZATION

If this proposal is acceptable, please sign in the space provided to formalize the agreement. We note that the attached General Conditions are a part of this proposal.


We appreciate the opportunity of submitting this proposal and look forward to working with you on this project. Please contact us by phone 561-693-8093 or email at wesley.foster@pacificaes.com if any questions arise or if we may be of any service in any way.

Respectfully submitted,

Pacifica Engineering Services
Florida Certification of Authorization License No. 32328



Christopher Fernandez, P.E.
Department Manager



Wesley C. Foster, P.E.
Principal Engineer

Attachments: Cost Breakdown
 Project Data Sheet
 General Conditions

AUTHORIZED BY:	INVOICE TO:
Signature:	Firm:
Name:	Address:
Title:	
Date:	Attention:



LUMP SUM COST BREAKDOWN

	#	UNIT	RATE	TOTAL
L MATERIAL TESTING SERVICES				
Proctor Test (Modified Methods)	3	Each	\$ 95.00	\$ 285.00
Engineering Technician (In-place Nuclear Density Tests)	8	Hours	\$ 50.00	\$ 400.00
Compressive Strength of Concrete and Grout	8	Sets	\$ 50.00	\$ 400.00
Engineering Technician (Concrete and Grout Sampling)	32	Hours	\$ 50.00	\$ 1,600.00
Project Engineer (P.E.) (Project Management & Report Review)	5	Hours	\$ 110.00	\$ 550.00
Clerical (Report Preparation)	5	Hours	\$ 45.00	\$ 225.00
Sub Total for Material Testing Services				\$ 3,460.00
TOTAL LUMP SUM FEE				\$ 3,460.00

Notes:

- Contractor to schedule our services one business day prior by 3pm via email schedule@pacificaes.com.



February 15, 2025

Jane House, P.E.
Director of Engineering
Palm Beach County Water Utilities Department
8100 Forest Hill Boulevard
West Palm Beach, FL 33413

RE: R2023-0086 Contract for Optimization and Improvements Design-Build
Project No. WUD 25-014
Work Order No. 06
Request to Add Apex Welding Services Corp as a subcontractor

Dear Ms. House,

We request that Apex Welding Services Corp be added as a subcontractor for the above-referenced work authorization.

Apex Welding Services Corp will provide welding maintenance and repair services, which were included in this project's original scope of work. We offered a Letter of Intent signed by Apex Welding Services Corp, for the approved WUD 25-014 Work Order 06 contract. Therefore, adding this subcontractor increases our SBE participation in this project.

Should you have any questions or comments, please contact me at 561-997-6433. Again, we thank you for your consideration in this matter.

Regards,



Bruce Rahmani, P.E.
Vice President of Construction
Globaltech, Inc.

Cc: Rachael Cloyd/Globaltech

APEX Welding Services, Corp
5030 NW 109th Ave, Suite H
Sunrise, FL 33351
Phone 954-383-2230
Fax 561-228-1272

ESTIMATE

DATE: 1/23/2025

To: **Angelica**

GlobalTech

6001 Broken Sound Parkway NW, Suite 610

Boca Raton, Florida 33487

O: (561) 997-6433 C: (954) 882-1169

	DESCRIPTION	QTY	UNIT PRICE	TOTAL
1	Fabrication of aluminum Stairway with rail and landings (3 Flights) for Pahokee. Includes aluminum supports. Does not include concrete work or engineered drawings. Digester	1	\$78,762.50	\$78,762.50
2	Installation of Item 1 Digester	1	\$19,500.00	\$19,500.00
3	Fabrication of Platforms with Rail in Belle Glade (Including small section of rail)	2	\$29,789.25	\$59,578.50
4	Installation of Item 4 Headworks - Platform ↗	1	\$19,750.00	\$19,750.00
5	Fabrication and Installation of 250' of Handrail (Including Grating Modification) at Plant 8 Filter Building Guardrail	1	\$49,950.00	\$49,950.00
6	Fabrication and Installation of Stainless Diamond Plate Vault Cover (51x76) at Southern Region Screening Room	1	\$9,700.00	\$9,700.00
7	Fabrication and Installation of Hinged Safety Grating and New Latches for Hatches at Southern Region Aerated Grit Tank - SS Diamond	7	\$3,960.00	\$27,720.00
8	Fabrication and Installation of Clarifier Diamond Plate with Added Beam Support and Vent Holes at Southern Region All Clarifiers - Diamond Plate	8	\$4,500.00	\$36,000.00
9	Fabrication and Installation of Clarifier Stairs with Rail at Southern Region AC - Staris	8	\$4,350.00	\$34,800.00
10	Fabrication and Installation of Clarifier Perimeter Guide Rail 16" Height at Southern Region AC - Fall Safety	8	\$19,074.00	\$152,592.00
11	Fabrication and Installation of 15' Stair Rail at Southern Region on Both Sides AT - Stair Rail	10	\$4,190.00	\$41,900.00
12	Fabrication and Installation of Stainless Flush Mounted Hatches Aerated Grit Tank - Hatch	2	\$21,450.00	\$42,900.00
13	Fabrication and Installation of Removable Rail in Solids Building (Including Ladders, Modifications and Gates) Solids Building	1	\$67,550.50	\$67,550.50
	All Handrail with the exception of item 13 is friction fit. All Stainless is 316			
TOTAL				\$640,703.50

February 15, 2025

Jane House, P.E.
Director of Engineering
Palm Beach County Water Utilities Department
8100 Forest Hill Boulevard
West Palm Beach, FL 33413

RE: R2023-0086 Contract for Optimization and Improvements Design-Build
Project No. WUD 25-014
Work Order No. 06
Request to Add Walker Design & Construction Co. as a subcontractor

Dear Ms. House,

We request that Walker Design & Construction Co. be added as a subcontractor for the above-referenced work authorization.

Walker Design & Construction Co. will provide structural and reinforcement metal work, which were included in this project's original scope of work. We offered a Letter of Intent signed by Walker Design & Construction Co., for the approved WUD 25-014 Work Order 06 contract. Therefore, adding this subcontractor increases our SBE participation in this project.

Should you have any questions or comments, please contact me at 561-997-6433. Again, we thank you for your consideration in this matter.

Regards,



Bruce Rahmani, P.E.
Vice President of Construction
Globaltech, Inc.

Cc: Rachael Cloyd/Globaltech



Walker Design & Construction Co.

GENERAL CONTRACTOR

February 3, 2025

Angelica Torres

RE: Bellglade WWTP Aluminum Canopies Proposal – REV 1

Thank you for the opportunity to submit this proposal for the above referenced project. Our quote is to supply and install the Aluminum Canopy Structures 254"x174", 330"x470", 245"x195".

Our Base Bid price, tax included, installed is **\$102,409.00** per the following list of qualifications:

Qualifications:

1. Engineering costs included with signed sealed shops and calcs
2. All Aluminum clear anodize finish
3. Foundation construction by others

Thank you for considering us for this project, if you have questions or would like additional information please let us know.

Sincerely,

Patrick Graham

President

2723 Pinewood Ave
West palm Beach, Florida 33407
Phone: 561-247-7477
www.walkerdesignco.com

Total Safety Training & Consultants, LLC
South Florida Construction Safety Professionals

8259 N. Military Trail Suite 5
Palm Beach Gardens, FL 33014
Phone: (954) 540-6241

Quotation For:

Globaltech Inc
901 Yamato Rd Suite 220
Boca Raton, FL 33431
(561) 997-6433

Quotation

DATE 1/27/2025
Quotation # 1025
Customer ID GLBT10393

Quotation valid until: 2/6/2025

Prepared by: Darrylle Hood
Executive Director

Project Information: General Facility Safety Improvements (4 locations) *Category:* Safety & Health

PROJECT NUMBER	P.O. NUMBER	START DATE	END DATE	PROJECT DURATION	TERMS
PBWU	N/A	TBD	TBD	280	TBD

QUANTITY	DESCRIPTION	UNIT PRICE	TAXABLE?	AMOUNT
40	Safety & Health Management / Weekly Jobsite Safety Inspections in compliance with OSHA 29 CFR 1926 standards for construction. 4 worksites Pahokee WTP, SRWRF, Belle Glade WWTP, Palm Beach WTP2. 1 worksite per week. Additional inspection upon request.	\$ 625.00	N	\$ 25,000.00
4	Site Specific Safety Plan	\$ 800.00	N	\$ 3,200.00
10	Employee Safety Training	\$ 169.00		\$ 1,690.00

Comments or Special Instructions: This quote is based on the estimated job duration and the frequency of requested services.

SUBTOTAL	\$ 29,890.00
TAX RATE	0.00%
SALES TAX	\$ -
OTHER	\$ -
TOTAL	\$ 29,890.00

If you have any questions concerning this quotation, contact: Darrylle Hood, (954) 540-6241, email: thesafetypro@gmail.com.

THANK YOU FOR YOUR BUSINESS!

- (2) Tank Covers: [CONTACTOR 1 & 2]
 - 2 covers, 22 ft. width x 25 ft. length
- (80) WF6X6 support beams
- (16) Access Hatch
- FRP Safety Yellow Perimeter Flashing.
- FRP Support Ledger Angle(s)
- Associated hardware and gaskets
- Beam seats / clip angles (316SS)
- Anchor bolts (316SS)

Note: Adhesive material is not provided with anchors, to be provided by others.

Price: \$ 354,900.00

- Estimated FREIGHT IS included in total

1. All fiberglass (FRP) materials by Enduro Composites are manufactured in the USA including key raw materials. Our proposal includes Enduro FRP Tank Cover(s) with these components:

- a. AXS-3™ Tank Cover Panels – FRP
 - Resin: Iso-polyester; Color: Charcoal Gray
 - Non-skid top surface
 - o Anti-skid tape technology (black)
 - o TreadMAX™ non-skid integral surface (charcoal gray)
 - Height: 3”; Cover width: 32”
 - Panels shall be butted and locked in place with Enduro Locking Channel by contractor.
 - Channel-nut strut connection
- b. Raised or Flat Hatch w/Gaskets
 - 2 @ 22” x 22” FRP
 - 16 @ 22” x 36” FRP
- c. W6 Wide Flange Structural Beam – FRP
 - Resin: Vinyl Ester; Color: Beige
- d. FRP Channel
- e. FRP Angle
- f. FRP Flat Strip
- g. FRP Perimeter Flashing
- h. Gasket
- i. 316 Stainless Steel hardware

2. Submittal and Erection Drawings

- o PE Stamped approved drawings and calculations.

3. Warranty:

- a. Warranty for material defects and workmanship shall be for 12 months following date of shipment.

4. Clarifications/Exceptions:

- a. **Exception:** Slide Gate flashing, where gates project through FRP decking, is not provided by Enduro.
- b. **Exception:** Existing handrail system may have to be relocated to allow FRP strut channel connection to TOP of concrete tank.
- c. **Exception:** Enduro typically does not provide any FRP material sealant for cuts or drilled holes performed during field installation.

P 713.358.4000 \ F 713.358.4100 \ T 800.231.7271 \ E sales@endurocomposites.com
16602 Central Green Blvd. \ Houston, TX 77032

www.endurocomposites.com

- d. **Clarification:** Enduro will design the entire system as noted below under Section 5 of this proposal.
- e. **Clarification:** Enduro typically manufactures FRP products with UV stabilizers in standard charcoal grey color to increase the resistance to UV radiation in lieu of other colors.
- f. **Clarification:** Contractor to review Section 10 of this scope for timeframe & costs if manufacturer's representative is required onsite.

5. Proposal is based on these assumptions:

- a. Dead + Live or Snow Load = 60.2 psf
Concentrated Load = 300 lbs. (within 30" x 30" area)
 - Deflection Limit = $L/240$ Factor of Safety = 2.5
 - Minimum L/D = 240 Minimum Factor of Safety = 2.5
- b. Tank cover panels shall be installed inside of tank walls. [RAW INFLUENT & CONTACTOR EFFLUENT]
- c. Tank cover panels shall be installed on top of tank walls. [CONTACTOR 1 & 2]
- d. Tank cover beams shall be placed inside of tank walls and supported by 316 SS structural supports.
- e. Unless noted otherwise, loading listed above does not include seismic design criteria, including sloshing in a filled or unfilled tank condition and any other conditions not listed herein. Actual load requirements, which vary with process, shall be determined, and specified by the Engineer of Record.
- f. Tank cover shall be flat with no slope and not completely airtight.
- g. Shelf angle beam supports shall be provided by Enduro.
- h. Existing walls, floors, or adjacent surfaces shall be smooth, level, and straight for attachment of FRP components.
- i. Existing tank walls, floors or other adjacent structures shall support dead and live load of tank cover.
- j. Existing walkway shall support dead and live loads transferred to it by tank cover system.
- k. Existing walkway shall be attached to by tank cover panels or support angles only and not to FRP beams.
- l. Connections to walls and adjacent structures shall be allowed as necessary to secure tank cover panels, trusses, or beams.
- m. Concrete strength shall be minimum of 3000 psi.
- n. Buyer shall approve Enduro Submittal Drawings and Data in writing.
- o. Buyer shall dismantle, relocate, or modify any interference points or existing equipment obstructions interfering with or penetrating tank cover system layout.
- p. Buyer shall arrange relocate, modify, or install any penetrations into cover as 90-degree penetrations (perpendicular to cover tank surface) to maximize sealing.
- q. Buyer shall field cut all penetrations for truss hangers, bracing, nozzles, hatches, or other miscellaneous penetrations. Bevel or edge cutting also may be necessary around perimeter.
- r. Buyer shall do field cutting for penetrations for items not listed herein with written authorization from Enduro.
- s. The proposal is based on the applicability of EPA De Minimis Waiver of Section 436 of P.L. 113-76, Consolidated Appropriations Act of 2014 and/or De Minimis General Applicability Waiver of Section 70914(a) of P.L. 117-58, Build America, Buy America Act, 2021.

6. Proposal does not include:

- a. Fabrication for openings less than 6" square or 6" diameter; perimeter block-outs; or pipe chases.
- b. Bevel cutting of FRP Beams: Components shall be supplied longer than necessary to insure proper lengths unless approved otherwise in writing by Buyer.
- c. PE certified review/design of submittal packages, unless specifically noted in scope of supply above.
- d. Staging, storage, unloading, installation, or field labor of any kind.
- e. Field dimensioning, site visits, or field advisor unless listed as included in the Scope or Inclusion sections in this proposal.

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16602 Central Green Blvd. \ Houston, TX 77032

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- f. Any handrail, grating, ventilation, duct, equipment, or other component not listed as included in the Scope Section or Inclusion Section in this proposal.
 - g. Taxes, permits, duties, brokerage fees, or bonds.
 - h. O & M Manuals.
 - i. Any material to modify concrete or other adjoining material surfaces.
 - j. Certificate test data and structural calculations stamped by P.E. verifying system meets specification criteria (unless stated otherwise in this proposal).
 - k. Compliance with Specifications, Drawings, or Addenda not listed in this proposal.
- 7. Terms:**
- a. FOB Factory (Houston, TX). Pricing DOES NOT include freight to jobsite.
 - b. Payment terms (subject to credit approval):
 - 10% @ submittal
 - 10% @ approved submittals
 - 30% @ release for fabrication
 - 50% @ delivery of material
 - All payments Net 30 days.
 - Proposal per Enduro Composites' standard terms & conditions
- 8. Estimated Lead Time for Submittal Package:**
- a. 6-8 weeks after execution of contract.
 - b. Each PE review/certification shall add 1-2 weeks each.
 - c. More detailed lead shall be provided after contract execution.
 - d. Proposal is based on (2) re-submittals after the original submittal package is submitted. Additional re-submittals can be provided at an additional cost.
- 9. Estimated Lead Time for Start of Shipping:**
- a. 12-14 weeks after written approval of submittal package.
 - b. More detailed lead time shall be provided after approval of submittal package.
 - c. Delays in approvals may cause longer lead time.
**Lead times may vary based on raw material availability and will be determined after receipt of purchase order.*
- 10. Site Visit:**
- a. \$3500 initial day
 - b. \$1000 per day after the initial day
 - c. **Time Notice:** Enduro requires a 4-6 weeks' notice prior to the required date; anything sooner can be assessed for an expediting fee.

We look forward to collaborating with you and hope this proposal meets with your satisfaction.

Matthew Sumbera, National Sales Manager – Water & Wastewater Products
 Email: msummera@endurocomposites.com

P 713.358.4000 \ F 713.358.4100 \ T 800.231.7271 \ E sales@endurocomposites.com
 16602 Central Green Blvd. \ Houston, TX 77032

www.endurocomposites.com

1 Selected Quote
PROPOSAL



PLANS Lakdas Drawings 11/20/24

Job Name: 1001 Rim Canal Rd.
Pahokee, FL 33476
Aluminum staircase

Submitted to: Angelica Torres
Globaltech
901 Yamato Rd., Suite 220
Boca Raton, FL 33431
M: (561)-997-6433
C: (561)-768-8980
E: atorres@globaltechdb.com

Date: January 20, 2025

Contact: Victor Rovani
cell: (561)-574-1348
email: victor@xtremedb.com
address: 3114 Tuxedo Ave
W.P.B. FL 33405

HARD ROCK PENETRATION IS NOT INCLUDED IN THIS PROPOSAL
SCOPE LISTED BELOW, NO OTHER IMPLIED OR SUGGESTED; BASED ON MIN 7' WIDE EQUIPMENT ACCESS & 12' HEIGHT ACCESS AT PILE LOCATION
CONFLICTS WITH PILE LOCATIONS AND EXISTING UTILITIES SHALL BE RESOLVED BY GC PRIOR TO MOBILIZATION

DESCRIPTION	QTY	UNITS	COST	EXTENSION
<ul style="list-style-type: none">GC SHALL PROVIDE AMPLE PARKING AND/OR PARKING PASSES. MATERIAL LAYDOWN AREA FOR PROJECT SHALL HAVE ENOUGH ROOM FOR EQUIPMENT, MATERIALS, WORK TRUCK & TRAILER. NOT RESPONSIBLE FOR ANY FINES DUE TO LACK OF WORKING / PARKING AREASURVEY, LAYOUT, BENCHMARKS, ASBUILTS AND PILE NUMBERING PLAN BY OTHERS PRIOR TO STARTPRELIMINARY GRADING FOR FLAT, STABLE WORK AREA AT B.O.G.B. ELEVATION BY OTHERS PRIOR TO START OF EACH AREA. ANY RAMPS SHALL BE STABLE AND NOT EXCEED 4:1				
HELICAL PILES	6	EACH	1,695.00	\$10,170.00
SCOPE <ul style="list-style-type: none">EQUIPMENT, MATERIALS, LABOR & MOBILIZATIONS INCLUDED TO INSTALL HELICAL PILINGS LISTED BELOW;<ul style="list-style-type: none">ADDITIONAL EQUIPMENT MOB \$800.00ADDITIONAL CREW MOB \$330.00PROVIDE AND INSTALL (6) EMBEDDED HELICAL PILES PER DETAIL, MAX DEPTH 21'INSTALL 2 7/8" D, .203" WALL, 10" X 12" HELIX. 10"X10"X3/4" Steel cap with (4) 6"x5/8" Nelson studsADDITIONAL EXTENTION AS NEEDED SHALL BE \$255.00 / EACHIf underpinning bracket is required in place of cap add \$350.00 per affected pileADD / OR REMOVE PILINGS PER UNIT COST +/- 10 PILES PRIOR TO INITIAL ORDERENGINEER MONITORING OF INSTALLATION<ul style="list-style-type: none">CERTIFIED, SIGNED & SEALED PILE LOGS PROVIDED AT FINAL PAYMENT				

____INITIALS

PROPOSAL

ALTERNATES

- SUB-PERMITS AND/OR SPECIAL INSPECTOR FORMS SHALL BE ADDED AT COST PLUS 30%
- STAND BY TIME AND/OR DELAYS AT NO FAULT TO XTREME ARE BILLED AT \$485.00 / HOUR
- ANY WORK HAVING TO BE COMPLETED BY XTREME TO COMPLETE PROJECT THAT WAS OTHERS RESPONSIBLTY SHALL BE BILLED AT T/M RATES. T/M ATTACHED

EXCLUSIONS

- NO MATERIALS ORDERED UNTIL APPROVED PILE DETAIL RECEIVED
- ALL DESIGN ENGINEERING, LAYOUT, ASBUILTS & TESTING UNLESS MENTIONED ABOVE
- EXCAVATION AND/OR GRADING PRIOR TO OR DURING INSTALL
- REMOVAL, REPAIR & REPLACEMENT OF ANY UNDERGROUND OR ABOVE GROUND UTILITIES
- FIELD INSPECTION AND/OR TESTING SERVICES OF ANY KIND UNLESS LISTED ABOVE
- CUTTING OR PREPARATION OF EXISTING FOOTERS/ GRADE BEAMS
- SHORING AND/OR BARRICADING UNLESS LISTED ABOVE
- REBAR CAPS OR SAFETY MEASURES AFTER INSTALL

TOTALS

HELICAL PILES	6	EACH	\$1,695.00	\$10,170.00
	dollars	Cost:		\$10,170.00

NOTE: GC TO VERIFY AND APPROVE SCOPE LISTED ABOVE FOR ADDITIONS, CHANGES OR CLARIFICATIONS. X-TREME INDUSTRIES NOT RESPONSIBLE FOR ASSUMPTIONS ON SCOPE.

NOTE: THIS PROPOSAL IN NO WAY GAURANTEES THE PROJECT DESIGN WORKS. IF CORRECTIVE WORK IS REQUIRED, CLIENT WILL BE BILLED FOR THE COST INCURRRED TRYING TO PROMOTE CHANGES.

NOTE: QUOTE DOES NOT INCLUDE ANY ENGINEERING, LAYOUT, AS-BUILTS, PERMIT, FEES, OR BONDING

NOTE: ANY ITEMS NOT SPECIFIED IN THIS PROPOSAL WILL BE AN EXTRA TO THE CONTRACT.

NOTE: THIS PROPOSAL IS BASED ON THE WORK BEING PERFORMED DURING THE HOURS OF 8:00 A.M. AND 4:00 P.M. MONDAY THRU FRIDAY (EXCLUDING ALL HOLIDAYS AND WEEKENDS) ANY OVER TIME WORK (DUE TO NO FAULT OF XTREME / OR AT CLIENTS REQUEST) SHALL BE BILLED AT COMPLETION OF WORK

NOTE: ANY CHANGES TO THIS PROPOSAL, PLANS OR IN THE FIELD MUST BE REQUESTED/SUBMITTED IN WRITING BY THE CLIENT. NO CHANGE ORDER WORK TO PROCEED UNTIL WRITTEN CONFORMATION RECEIVED.

IN THE EVENT OF SIGNIFICANT DELAY OR PRICE INCREASE OF MATERIAL, EQUIPMENT, OR ENERGY OCCURING DURING THE PERFORMANCE OF THE CONTRACT THROUGH NO FAULT OF XTREME, CONTRACT SUM, TIME OF COMPLETETION OR CONTRACT REQUIREMENTS SHALL BE EQUITABLY ADJUSTED BY CHANGE ORDER. A CHANGE IN PRICE OF AN ITEM OF MATERIAL, EQUIPMENT OR ENERGY WILL BE CONSIDERED WHEN THE PRICE OF AN ITEM INCREASES 15% BETWEEN THE DATE OF THIS PROPOSAL AND THE DATE OF FINISHED INSTALLATION.

Payable as follows: 30% DOWN, REMAINDER DUE ON COMPLETION, NO RETAINAGE

Authorized Signature: _____

This proposal may be subject to change if not accepted within 30 days.

All work shall be guaranteed as specified and shall conform to standard industry practices.
All balances not paid within 30 days from the date of an invoice or request for payment shall bear interest at the rate of 18% per annum; however, such interest shall never exceed the highest rate allowed by law.

In connection with any dispute arising under, from or as a result of this contract, including but not limited to breach, enforcement, or interpretation, proceedings to determine entitlement to and amount of attorneys fees incurred by the prevailing party, the parties agree that the prevailing party or parties shall be entitled to recover all costs or expenses incurred (including those incurred in any litigation, arbitration, appeals from any litigation and enforcement of judgements including but not limited to garnishment proceedings), including reasonable attorneys fees, fees for clerical work and any other services of accountants, paralegals, legal assistants and similar persons. This provision shall survive any termination of this contract.

Accepted by: _____ Date: _____

____INITIALS

DOSDOURIAN ENTERPRISES INC.

A STRUCTURAL AND GEOTECHNICAL
CONTRACTOR

Services

- G.P.R.
- Pressure Grouting
- Jet Grouting
- Chance Helical Anchors
- Tie-backs
- Concrete Restoration
- Chemical Grout Injection
- Epoxy Injection
- Soil Stabilization
- Waterproofing Membranes
- Expansion Joint Repair
- Post Tension Cables

Products

- Sika
- Sto
- Sonneborne
- Thoro
- Dow
- BASF
- De neef

January 16, 2025
Global Tech
901 Yamato Rd., Suite 220
Boca Raton, FL 33431

Attn: Angelica Torres
Re: 1001 Rim Canal Road
Pahokee

Dear Angelica,
Thank you for the opportunity to submit a quote for the helical piles at the project referenced above. Below, please find our scope of work, quote, and terms.

- Scope of Work:**
- Mobilize project.
 - Install AB Chance Lead Section consisting of an 10" 12" 14" helix configuration with DEI patented rock anchor with teeth* transition to 2 7/8 round shaft extension to a depth of up to 15' below grade or the capacity of 20 kip allowable (10 ton); 40 kip ultimate (20 ton) if achieved prior to 15'. Should additional material be required, a charge of \$ 99.00 per/ft will be added to the cost. (Additional pile sections are billed in 5' increments)**
 - Piles will be terminated with a proprietary underpinning bracket as manufactured by AB Chance
 - De-mobilize project.

Quote	
Mobilization	\$ 750.00
Installation of Combo helical pile w/DEI modified lead @ 2,600.00 ea.	
This quote was provided without benefit of a site visit nor soil report. Additional charges may incur should soil or site conditions require.	
(*) Normally the helical piles are not capable of drilling through the cap rock. We have a patented lead section which allows us to advance the piles through shallow rock layers, so the pile can advance to the more competent bed rock. The DEI rock lead section is proprietary to Dosdourian Enterprises, Inc., the patent holder. It may not be legally utilized without written consent from DEI	
(**) no deduct for less than 15' depth.	

Note: this quote is based entirely on easy access to work area. Any special arrangements necessary to access work area must be the responsibility of the contractor or owner. The contractor / owner is responsible for locating all underground utilities, provide pile layout, elevation & termination location and monitoring during the installation and final certification of completed work. The contractor / owner to provide staging area for equipment and materials, portable bathroom and permitting. All cutting, coring or excavation to be performed by the GC. De-watering, if necessary, by others.

Terms: A 50% deposit required upon the signing of this proposal / contract, the balance is due within 30 days of completion

Kind regards

Sam Dosdourian
Dosdourian Enterprises, Inc.

Accepted: _____ Date: _____ 2025

General Contractor State Certified CGC 019394	300 Prosperity Farms Rd. North Palm Beach, Fl 33408 Tel: (561) 844-2990 Fax: (561) 844-3076	Roofing Contractor State Certified CCC 056366
-----------------------------------------------------	---------------------------------------------------------------------------------------------------	-----------------------------------------------------

#3 Not Selected

From: jill.bodaxfoundations.com
To: [Angelica Torres](#)
Subject: RE: Contact from Bodax website
Date: Thursday, January 16, 2025 10:18:39 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)

You don't often get email from jill@bodaxfoundations.com. [Learn why this is important](#)

Angelica,

Unfortunately, this is not something that we do...

We wish you all the best with this project, and please do not hesitate to forward any future deep foundation bid projects to me for review.

Best regards,
Jill

Jill Poggi | Project Manager | Sales Manager
Bodax Foundations, Inc.
Auger Cast-Helical Piles-Pin Piles
1101 NW 55th STREET FT. LAUDERDALE, FL 33309
Office: 954-771-7888
Direct: (954) 931-9408
jill@bodaxfoundations.com

From: Angelica Torres <ATorres@globaltechdb.com>
Sent: Thursday, January 16, 2025 10:07 AM
To: jill.bodaxfoundations.com <jill@bodaxfoundations.com>
Subject: RE: Contact from Bodax website

Hi Jill,

Please see attached preliminary design which shows the pile locations. One location is for the undermined slab and the other is for the landing platform support. The piles are 15' deep and about 10-15 kips.

Fee free to call me if you have any questions.

Thank you,



Post Office Box 16039 - Tampa, FL 33687-6039
(813) 740-1144 - FAX (813) 627-9387

January 24, 2025

Serving the Water & Wastewater Plant Industry for over 35 Years

Globaltech Design Build
Attn: Angelica Torres

☐ Net Price

☒ Cuts to follow (See

Project Name: SRWRF 4 inch Budgetary Material
McDade Project #:
Bid Date: N/A
Addendum: N/A
AIS, BABAA, WIFIA, Florida Statutes 255.0993, or Domestic Requirement - No
NSF/ANSI 61 and / or NSF/ANSI 372 Requirement - No

BID ITEM	QTY	SIZE	DESCRIPTION	WEIGHT EACH	UNIT \$	EXT \$
8	04"		DI FLG 90 ELL (401 LINED, PC) - 4" DI 90 Elbow	45	\$429.33	\$3,434.64
24	04" X 10'-00"		FLG X FLG CLASS 53 DIP (401 LINED, PC) FLG X FLG	DI Spool Piece - 10' and line 1/2" under	\$1,785.18	\$42,844.32
8	04" X 04'-00"		CLASS 53 DIP (401 LINED, PC) RUPTURE DISC, 100 PSI		\$883.13	\$7,065.04
8	04"		- 4" Rupture Disc	PLUG / SWAG NUMBER	\$3,716.22	\$29,729.76
64	04"		FLG ACCY SET (316SS A193 GRADE B8M BOLTS, GRADE 8M NUTS W/ 1/8" FULL FACE RED RUBBER GASKET) 316 SS Bolts & Gaskets		\$64.96	\$4,157.44
8	04" X 01"		EPOXY COATED DI BODY W/ DOUBLE 304SS STRAP SERVICE SADDLE Double Strap		\$95.14	\$761.12
8	01"		316SS THRD FULL PORT BALL VALVE, 2 PCS W/ LEVER 316SS		\$95.90	\$767.20
32	04" X 04'-00"		CLEVIS HANGER FOR DIPS O.D., WITH 03'-00" 316SS Double Strap ATR AND CEILING MOUNT PLATE - Clevis Hangers/ Pipe		\$466.67	\$14,933.44
1	LUMP SUM		FREIGHT TO JOB SITE Freight		\$650.00	\$650.00
1	LUMP SUM		LUMP SUM - SUBMITTALS Freight		\$150.00	\$150.00
TOTAL THIS BID ITEM - TAX NOT INCLUDED						\$104,492.96

Notes:

- All Fitting and Valves Quoted Less Accessories
- All Flange Pipe and Fitting Quoted Prime Coated
- All Ductile Iron Pipe and Fitting Quoted Protecto 401 Lined
- All Ductile Iron Fitting (MJ & Flange) Quoted Are Globally Sourced
- Due to the volatile raw market All C-900 PVC, C-905 PVC, HDPE, SDR 35, Sch 80 PVC, Sch 40 PVC, Stainless Steel, Copper & Brass Pipe, Fittings, Valves, etc. will/may need to be re-quoted at the time of purchase. Pricing Subject to Availability.
- McDade Waterworks, Inc. reserves the right to apply "Price in Effect" at time of delivery due to shortages, tariffs, and/or further "Force Majeure" declarations by manufacturer(s) or US government. McDade Waterworks, Inc will not be responsible for industry price changes, shortages, or tariffs beyond our control.
- Flange Accessories Set Prices are Firm for 14 Days from Bid Date, & Must Ship Within 28 Working Days from Bid Date.
- Pipe Supports - Do not include engineering calculations (i.e.. wind, seismic, etc.). We can recommend someone who can provide this information if requested.
- Line drawings are not included. If needed add \$1,000.00 per sheet.

** DISCLAIMER:

McDade Waterworks, Inc. reserves the right to increase prices and/or change escalation terms at any time based on the potential of continued cost volatility.

Confidentiality. Both McDade and Customer agree that the terms of this quotation, including the attached pricing are confidential and shall be held in strict confidence by both parties and may not be disclosed unless required by law.



Rangeline Is The Lifeline For Your Pipeline

Quote Number
RTS25-351 Rev2

January 24, 2025
Globaltech Design Build
ATorres@globaltechdb.com

Quote No. RTS25-351Rev2

Attn : Angelica Torres
Phone : (561) 997-6433
Project Name: Palm Beach County
SRWRF | 12751 Hagen
Ranch Road
Location: Boynton Beach, Florida

ENGINEERING
ESTIMATE

FOR QUESTIONS PLEASE CONTACT
Maxx Moore
(561) 301-6577
maxx@rangeline.com

Rangeline will perform the following Wet Taps:

Quantity	Description	Unit Price	Total
16	8" X 4" DIP WM Install, Test, & Tap (Excluding Materials)	\$1,443.00	\$23,088.00
16	8" X 4" Steel WM Install, Test, & Tap (Excluding Materials)	\$1,820.00	\$29,120.00

Rangeline will provide the following Material:

Quantity	Description	Unit Price	Total
16	Materials: JCM 412 ESS Epoxy Coated Steel Tapping Sleeves with 4" FLxFL valves with flange bolt/stud/gasket kit	\$2,967.00	\$47,477.00
16	Florida State Sales/Use Tax 6%	\$182.00	\$2,908.00

Prices are based on the following below:

- Ductile Iron Water Main with Steel Option. Inside, 5 to 8 feet above floor, 50 feet inside closest door. Power packs will be needed. Daytime work.
- Rangeline will provide JCM 412 two-piece epoxy coated carbon steel tapping sleeves with 304SS hardware paired with resilient wedge FLxFL gate valves w/ 150# flange kit and gasket.
- If the project is cancelled after NON-AIS(standard) materials are ordered, there will be a restocking fee.
- Please allow (7 - 14 days) notice for scheduling after receipt of materials to ensure availability. Projects that require shorter lead times may incur additional charges.
- If the type of pipe changes from what we have quoted above, prices and scheduling may vary. Contractor or Municipality is responsible for verifying the type of pipe and it's O.D.
- Price does not include "Sales Tax" on supplied material(s), Rangeline will collect applicable sales tax based on the city and state tax rates in effect where the work is being performed.
- Rangeline may require a pre-construction meeting or site visit prior to scheduling any services.
- Normal daytime hours (7:00AM- 7:00 PM) Monday through Friday. Technician(s) will have a \$375.00 per hour after hours charge, portal-to-portal. Additional Expenses will be charged at our cost plus 20%.
- Rangeline will allow (1) Mobilizations/De-Mobilizations to the jobsite per (2) hot taps. Additional trips will be \$450.00 per trip. Mobilization charges are applied when the technician leaves the shop or jobsite to start or after completion of the project.
- If Rangeline arrives at the jobsite to perform scheduled work that does not get performed, through no fault of Rangeline Group, an additional trip charge will be charged regardless of the number of Mobilizations allowed for the scheduled work.

Rangeline Tapping Services
7256 Westport Place Ste A West Palm Beach, FL 33413

#2 No Response

From: Angelica Torres
To: iodi@floridaflowcontrol.com
Subject: SRWRF - Plam Beach County
Date: Thursday, January 23, 2025 10:59:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)

Good morning,

Could you please provide us budgetary price for multiple live taps, please provide the materials as well.




8”X4” DI Flange Saddle with a DI epoxy coated FLG gate valve – 16EA

8 of the saddles will be installed inside a building approximately 5’ from the ground and the others 8 will be installed on the same building but about 8’ high. Please keep in mind that this is a Wastewater Treatment Plant

Jobsite location: 12751 Hagen Ranch Rd, Boynton Beach, FL 33437 - SRWRF

Please let me know if you need anything else to provide us a quote.

Thank you,
Angelica Torres
Project Estimator

 M: (561) 997-6433 | C: (561) 768-8980 | D: (561) 858 8125
 www.globaltechdb.com
 901 Yamato Rd., Suite 220, Boca Raton, FL 33431



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#3 No Response

From: Angelica Torres
To: info@wettapsfl.com
Subject: SRWRF - Palm Beach County
Date: Thursday, January 23, 2025 10:55:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)

Good morning,

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8 of the saddles will be installed inside a building approximately 5’ from the ground and the others 8 will be installed on the same building but about 8’ high. Please keep in mind that this is a Wastewater Treatment Plant


Jobsite location: 12751 Hagen Ranch Rd, Boynton Beach, FL 33437 - SRWRF

Please let me know if you need anything else to provide us a quote. We really need this before Friday.

Thank you,
Angelica Torres
Project Estimator

 M: (561) 997-6433 | C: (561) 768-8980 | D: (561) 858 8125

 www.globaltechdb.com

 901 Yamato Rd., Suite 220, Boca Raton, FL 33431



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BRANCH 78J
3120 NW 16TH TER
POMPANO BEACH FL 33064-1409
954-972-4445
954-972-4475 FAX

Job Site GLOBALTECH INC
6001 BROKEN SOUND PKWY NW
STE 610
BOCA RATON FL 33487-2766
Office: 561-997-6433 Cell: 444-444-4444

225214877

Customer # : 1197447
Quote Date : 09/28/23
Estimated Out : 10/02/23 09:00 AM
Estimated In : 10/30/23 09:00 AM
UR Job Loc : 6001 BROKEN SOUND PK
UR Job # : 48
Customer Job ID:
P.O. # : QUOTE
Requested By : BRUCE RAHMANI
Written By : JOSEPH BURNS
Salesperson : JOSEPH BURNS

GLOBALTECH INC
6001 BROKEN SOUND PKWY NW
STE 610
BOCA RATON FL 33487-2766

This is not an invoice
Please do not pay from this document

RENTAL ITEMS:							
Qty	Equipment	Description	Minimum	Day	Week	4 Week	Estimated Amt.
1	3108001	BOOM 76-85' ARTICULATING YOU HAVE RENTED A MOBILE ELEVATING WORK PLATFORM (MEWP). SOME OF OUR MEWPS HAVE BEEN EQUIPPED WITH ACCESSORIES THAT MAY REDUCE THE RISK OF ENTRAPMENT HAZARDS AND CRUSHING INJURIES. OTHERS CAN HAVE THESE ACCESSORIES ADDED. FEEL FREE TO DISCUSS THESE ACCESSORIES WITH YOUR LOCAL BRANCH AND EXPLORE WHETHER YOU WOULD LIKE TO RENT A UNIT EQUIPPED WITH THIS TECHNOLOGY FOR YOUR PARTICULAR PROJECT. FOR FURTHER INFORMATION ON MEWP SAFETY, PLEASE WATCH THE FOLLOWING VIDEO: HTTP://UNITEDRENTALS.COM/MEWPS-SAFETY		1,079.00	2,160.00	4,600.00	4,600.00
1	9021020	BACKHOE/LOADER 60-90HP 4WD		600.00	1,300.00	2,600.00	2,600.00
1	9025240	BACKHOE FORKS		60.00	165.00	400.00	400.00
1	9070114	MINI EXCAVATOR 14800-19999#		650.00	1,628.00	3,463.00	3,463.00
1	9051080	EXCAVATOR 50000-59999# REDUCED TAIL SWG		1,295.00	3,050.00	7,700.00	7,700.00
1	9051150	EXCAVATOR 70000-84999#		1,682.00	4,471.00	11,156.00	11,156.00
1	9051152	EXCAVATOR 70000-84999# REDUCED TAILSWING		1,682.00	4,471.00	11,156.00	11,156.00
1	9070100	MINI EXCAVATOR 10000-14000#	499.00	499.00	1,240.00	2,888.00	2,888.00
1	1503600	VIB PLATE REVERSIBLE 7000-8599# IMPACT		155.00	370.00	1,307.00	1,307.00
1	9046240	LOADER WHEEL FORK ATTACHMENT		78.00	218.40	503.00	503.00
1	9042035	LOADER WHEEL 3.5-3.9 CUBIC YARD		981.00	2,175.00	6,532.00	6,532.00
1	9042040	LOADER WHEEL 4.0-4.9 CUBIC YARD		1,330.00	2,826.00	7,395.00	7,395.00
1	3204001	LIGHT TOWER, 4-7KW VERT MAST		172.00	419.00	845.00	845.00
1	2501013	CONFINED SPACE EQUIPMENT		635.00	1277.00	2,800.00	2,800.00
1	1003186	COMPRESSOR 175-195 CFM TIER 4		307.00	650.00	1,387.00	1,387.00
1	3500001	PRESSURE WASHER 4000 PSI	159.00	159.00	457.00	913.00	913.00
1	2331675	FORKLIFT VARIABLE REACH 12000# 53'-69'		887.00	2,300.00	5,330.00	5,330.00
1	9030580	SKID STEER TRACK LOADER 2000-2399#		501.00	1,267.00	2,650.00	2,650.00

CONTINUED

This proposal may be withdrawn if not accepted within 30 days. The above referenced Rental Protection Plan, environmental, and tax charges are estimates and are subject to change.

NOTICE: This is not a rental agreement. The rental of equipment and any items listed above is subject to availability and subject to the terms and conditions of the Rental and Service Agreement, which are available at <https://www.unitedrentals.com/legal/rental-service-terms-US> and which are incorporated herein by reference. A COPY OF THE RENTAL AND SERVICE AGREEMENT TERMS ARE AVAILABLE IN PAPER FORM UPON REQUEST.



BRANCH 78J
3120 NW 16TH TER
POMPANO BEACH FL 33064-1409
954-972-4445
954-972-4475 FAX

Job Site GLOBALTECH INC
6001 BROKEN SOUND PKWY NW
STE 610
BOCA RATON FL 33487-2766
Office: 561-997-6433 Cell: 444-444-4444

225214877

Customer #	: 1197447
Quote Date	: 09/28/23
Estimated Out	: 10/02/23 09:00 AM
Estimated In	: 10/30/23 09:00 AM
UR Job Loc	: 6001 BROKEN SOUND PK
UR Job #	: 48
Customer Job ID:	
P.O. #	: QUOTE
Requested By	: BRUCE RAHMANI
Written By	: JOSEPH BURNS
Salesperson	: JOSEPH BURNS

This is not an invoice
Please do not pay from this document

RENTAL ITEMS:					
Qty	Equipment	Description	Minimum	Day	Week
SALES/MISCELLANEOUS ITEMS:					4 Week
					Rental Subtotal:
					Estimated Amt.
Qty	Item		Price	Unit of Measure	Extended Amt.
1	ENVIRONMENTAL SERVICE CHARGE	[ENV/MCI]	99.000	EACH	99.00
1	DELIVERY CHARGE		650.000	EACH	650.00
1	PICKUP CHARGE		650.000	EACH	650.00
					Sales/Misc Subtotal:
					1,399.00
					Agreement Subtotal:
					TBD
					Rental Protection:
					15%
					Tax:
					Estimated Total:
					TBD
COMMENTS/NOTES:					
CONTACT: BRUCE .					
CELL#: 954-882-1169					



February 3, 2025

Globaltech Inc
6001 Broken Sound Pkwy
Boca Raton, FL 33487
Phone: 561-997-6433

Attention: Angelica Torres
Re: Water Treatment Plant #2
2956 Pinehurst Dr W.P.B. FL 33413
Email: atorres@globaltechdb.com

We are pleased to quote the following equipment for the above referenced project.

Equipment Rental Proposal

40 Ton Hydraulic Crane To Hoist As Directed

Hourly Rental Rate with a 4 hour minimum (Monday-Friday) 7:00-5:00	\$190.00 Per Hour
2 Hour Travel.....	
2 Hours Work.....	
FAA/MDAD permit if required minimum 45 day notice.....	\$ N/A

Overtime after 8 hours before 7:00 am and after 5:00 p.m. and Saturday work is standard hourly rate plus \$40.00 Per Hour

Sunday and holiday work is standard hourly rate plus \$80.00 Per Hour

Additional Provisions.....

This proposal includes one operator per crane, liability insurance and standard rigging. Rental rates are valid for 30 days and the equipment as quoted is subject to availability. Prices do not include prevailing wage requirements or involvement of specialized insurance programs. If project requires prevailing wage or specialized insurance programs, customer must contact Allegiance Crane for revised pricing. A 10% fuel surcharge will be applied to all equipment listed.

The lessee shall provide the following.....

Level and stable compacted ground which shall adequately support the crane with outriggers extended. Clear access to the site free of obstructions without delay for the erection and tear down. Any police, street permits or road barricades if required while the equipment is on the site. Any additional riggers, flagmen, special rigging or communication equipment if required.

If you should require any additional information, please contact me at 954-325-8989.

Please sign and e-mail back in acceptance of this quote.

X _____
Customer Signature

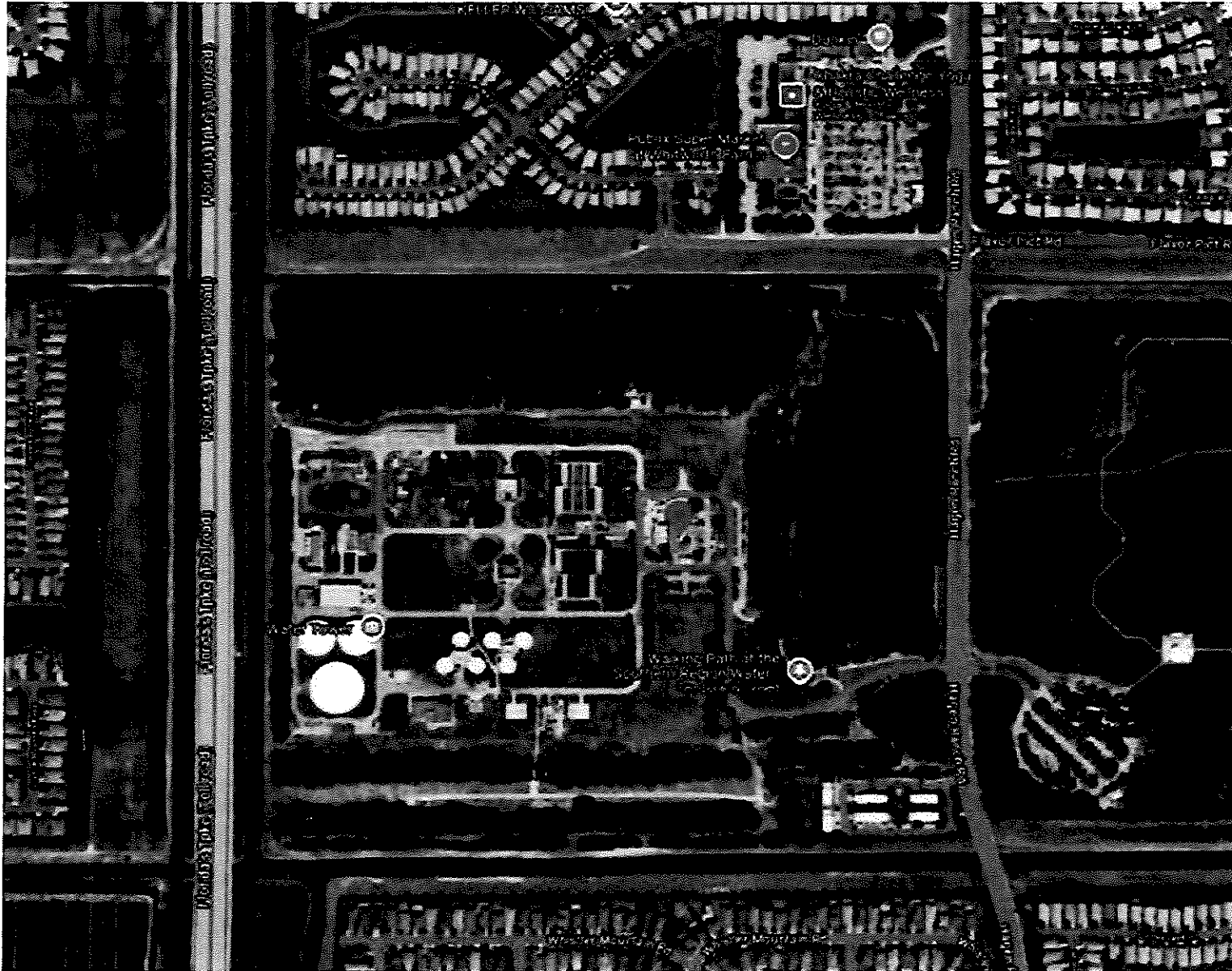
Date

Sincerely,

Jim Pruden
Crane Consultant

777 South Andrews Avenue Pompano Beach, FL 33069
954-973-3030 · Fax: 954-973-3211 · 1-800 683-3031
www.AllegianceCrane.com

ATTACHMENT 2
Location Map



Southern Regional Water Reclamation Facility (SRWRF)
PBCWUD Project No. 25-014

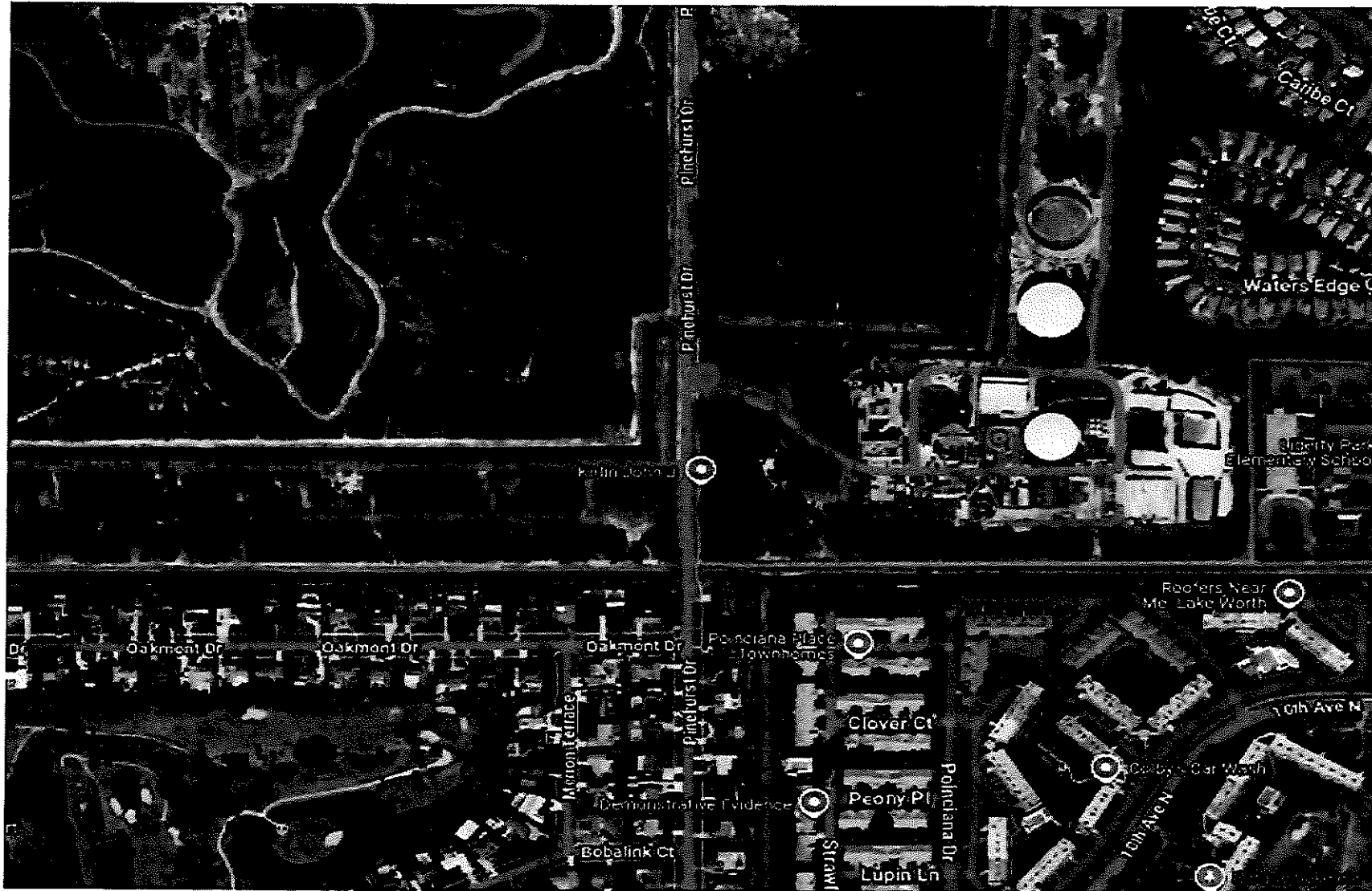


Western Region North Wastewater Treatment Plant (WRNWWTP)

PBCWUD Project No. 25-014



Western Region Wastewater Treatment Plant (WRWWTP)
PBCWUD Project No. 25-014



Water Treatment Plant 2 (WTP2)
PBCWUD Project No. 25-014

ATTACHMENT NO. 3

Print Date 2/13/2025 10:46:00 AM

Page 1 of 1



Palm Beach County
Compliance Summary Report

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00001996	Globaltech Inc.	Modified	Compliant					21-072	Optimization and Improvements Design-Build Contract
		Ap , XII	Amerisure Mutual Insurance Company	CA20796541302	11/1/2024	11/1/2025	Auto Liability		
		A++g , XV	Westchester Surplus Lines Insurance Company	I08833680011	5/1/2024	5/1/2025	Builders Risk		
		Ap , XV	The North River Insurance Company	5821243092	11/1/2024	11/1/2025	Excess Liability		
		Ap , XII	Amerisure Mutual Insurance Company	CPP20796571402	11/1/2024	11/1/2025	General Liability		
		A+g , XV	Indian Harbor Insurance Company	PEC004442310	11/1/2024	11/1/2025	Professional Liability		
		Ap , XII	Amerisure Insurance Company	WC20796551301	11/1/2024	11/1/2025	Workers Comp		

Risk Profile : Standard - General Services
Required Additional Insured : Palm Beach County Board of County Commissioners
Ownership Entity :