

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

Meeting Date: January 10, 2017 Consent [X] Regular []
Public Hearing []

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Work Authorization (WA) No. 10 for the East Central Water Reclamation Facility (ECRWF) Improvements – Phase 2 Project with Globaltech, Inc., in the amount of \$1,247,150.76.

Summary: On March 10, 2015, the Board of County Commissioners (BCC) approved the Water Utilities Department (WUD) Contract for Optimization and Improvements Design-Build with Globaltech, Inc. (R2015-0315). WA No. 10 will make improvements to the reclaimed water and chemical pumping systems to improve reliability and flexibility in operations of water delivery to the FPL West County Energy Center Generation Station for the purposes of process cooling. WA No. 10 also provides for the replacement of aging components that have reached the end of their useful life cycle. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance is 15% overall. The contract with Globaltech, Inc. provides for SBE participation of 75%. WA No. 10 includes 99.79% overall SBE participation. The cumulative SBE participation including this work authorization is 96% overall. Globaltech, Inc. is a Palm Beach County company. This project is included in the FY17 Capital Improvement plan adopted by the BCC. (WUD Project No. 17-011) District 7 (MJ)

Background and Justification: The proposed Phase 2 improvements under WA No. 10 were adopted via Interlocal Agreement R2016-0374. The scope of work addresses the reclaimed water pumping capabilities of the facility and replacement of process equipment that has proven to be unreliable or faulty. WA No. 10 provides for professional design, permitting and construction services for the ECRWF Pumping Improvements Project. Globaltech, Inc. will provide builders risk insurance prior to commencement of construction.

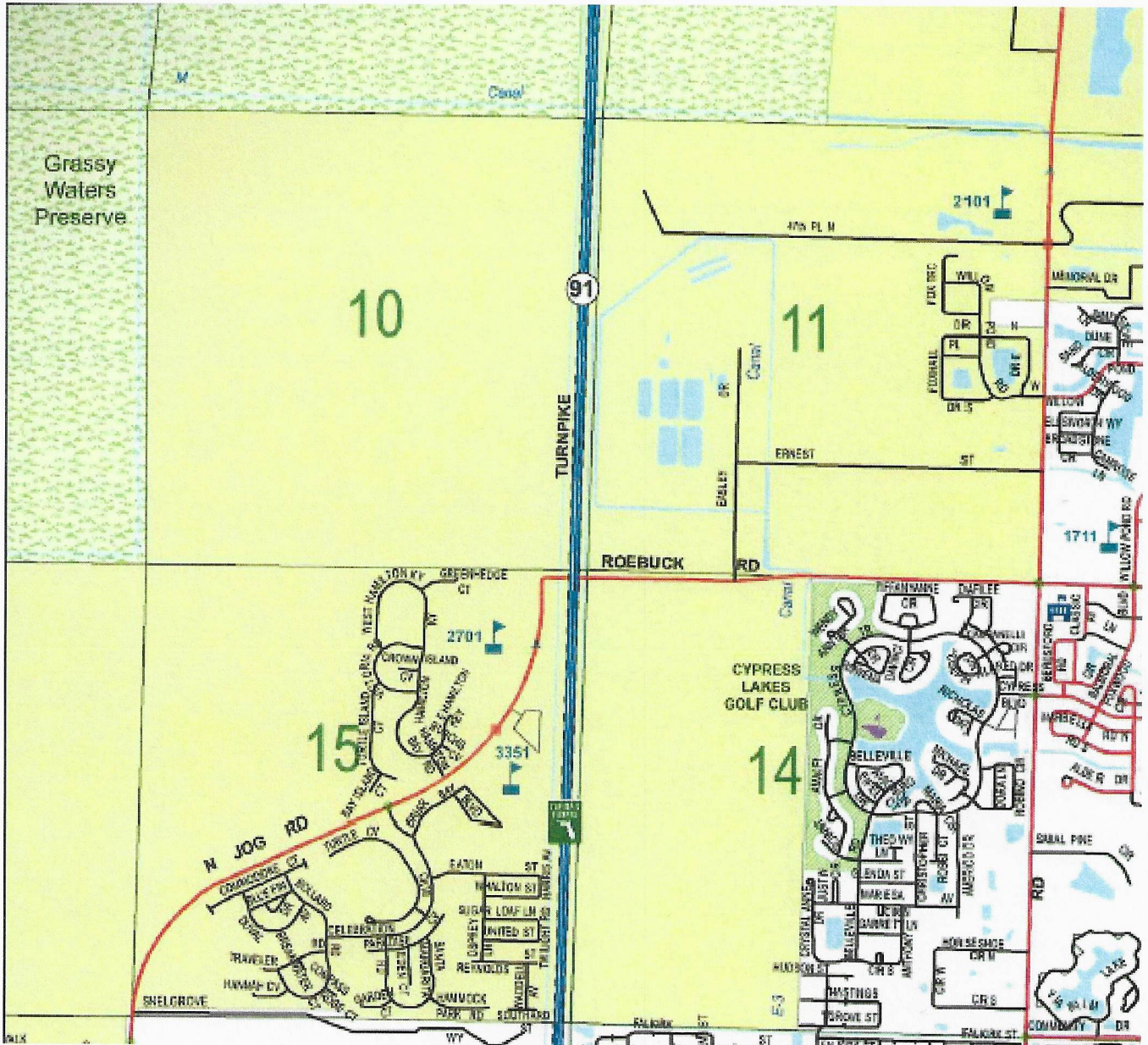
Attachments:

- 1. Location Map
- 2. Two (2) Original Work Authorization No. 10

Recommended By: Jim Stiles Department Director Date: 12-19-16

Approved By: [Signature] Deputy County Administrator Date: 1-6-17

ATTACHMENT 1
Location Map



WORK AUTHORIZATION NO. 10

Palm Beach County Water Utilities Department
Optimization and Improvements Design-Build Contract

Project No.: WUD 17-011

District: 7

Budget Line Item No.: 4011-721-W035-6545 \$1,247,000.00

Budget Line Item No.: 4001-720-2322-3120 \$150.76

Project Title: East Central Regional Water Reclamation Facility Reclaimed Water Facility Improvements – Phase 2

THIS AUTHORIZATION #10 to the Contract for Optimization and Improvements Design-Build Services dated March 10, 2015 (R 2015-0315), by and between Palm Beach County and the Design-Build Entity identified herein, is for the Design/Build Services of this Work Authorization. The Design-Build Entity provides for 75% SBE participation overall. This Work Authorization includes 99.79 % overall participation. The cumulative proposed SBE participation, including this authorization is 96.00 % overall. Additional authorizations will be utilized to meet or exceed the stated overall participation goal.

1. Design-Build Entity: Globaltech, Inc.
2. Address: 6001 Broken Sound Parkway NW, Suite 610, Boca Raton, FL 33487
3. Description of Services (Scope of Work) to be provided by the Design-Build Entity:

See ATTACHMENT - A.
4. Services completed by the Design-Build Entity to date:

See ATTACHMENT - G.
5. Design-Build Entity shall begin work promptly or deliver ordered materials within the following calendar days from the receipt of Building Permit and Notice to Proceed with construction:

Substantial Completion 365 Calendar Days
Final Construction Completion 425 Calendar Days
Liquidated damages will apply as follows:
\$ 1,000 per day past substantial completion date.
\$ 500 per day past final completion date.
(For Liquidated Damages Rates see ATTACHMENT - B)
6. The compensation to be paid to the Design-Build Entity for providing the requested services in accordance with the Guaranteed Maximum Price is \$1,247,150.76.
7. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated March 10, 2015 remain in full force and effect.

WORK AUTHORIZATION NO. 10

Project No.: WUD 17-011

Project Title: East Central Regional Water Reclamation Facility Reclaimed Water Facility Improvements – Phase 2

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

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

Sharon R. Bock, Clerk & Comptroller,
Palm Beach County

Palm Beach County,
Board of County Commissioners

ATTEST:

Signed: _____

Signed: _____
Paulette Burdick, Mayor

Typed Name: _____
Deputy Clerk

Date
Sub Jol

Approved as to Form and Legal
Sufficiency

Signed: _____

Typed Name: _____
County Attorney

DESIGN-BUILD ENTITY: Globaltech, Inc.

ATTEST:

Richard D. Olson
Witness

Bernard P. Gandy
(Signature)

Richard D. Olson, P.E. / Proposal Manager
(Name and Title)

Bernard P. Gandy, P.E. / President
(Name and Title)

(CORPORATE SEAL)

December 9th, 2016
Date

LIST OF ATTACHMENTS

WORK AUTHORIZATION NO. 10

**Palm Beach County Water Utilities Department
Optimization and Improvements Design-Build Contract**

ATTACHMENT - A	Scope of Work & Compensation
ATTACHMENT - B	Rate for Liquidated Damages
ATTACHMENT - C	Public Construction Bond
ATTACHMENT - D	Form of Guarantee
ATTACHMENT - E	Work Authorization Schedule of Bid Items
ATTACHMENT - F	SBE Schedule 1 & Schedule 2
ATTACHMENT - G	Authorization Status Report - Summary & Status of Authorizations
ATTACHMENT - H	Authorization Status Report - Summary of SBE/Minority Business Tracking
ATTACHMENT - I	Location Map
ATTACHMENT - J	Design-Build Criteria Report
ATTACHMENT - K	Vendor Quotes

ATTACHMENT A

WORK AUTHORIZATION NO. 10

Palm Beach County Water Utilities Department

Optimization and Improvements Design-Build Contract

SCOPE OF WORK FOR

**East Central Regional Water Reclamation Facility Reclaimed Water Facility
Improvements – Phase 2**

INTRODUCTION

Palm Beach County (County) entered into an agreement entitled Optimization and Improvements Design-Build Contract Project No. WUD 14-071 (CONTRACT) with Globaltech, Inc. (Design-Build Entity) to provide design-build services for various general activities on the Optimization and Improvements Design-Build Contract dated March 10, 2015, (R 2015-0315). This Work Authorization will be performed under that CONTRACT.

This Work Authorization encompasses providing services related to the following tasks at the East Central Regional Water Reclamation Facility, Reclaimed Water Facility (ECRWF). These tasks were identified in the INTERLOCAL AGREEMENT AMONG THE EAST CENTRAL REGIONAL WASTEWATER TREATMENT FACILITIES OPERATION BOARD, THE CITY OF WEST PALM BEACH AND PALM BEACH COUNTY, FOR THE ENHANCEMENT OF THE RECLAIMED WATER FACILITY approved on March 22, 2016, and further modified in subsequent scope development meetings. The work resulting from that agreement and subsequent meetings will be completed in two phases, Phase 1 and Phase 2. This Work Authorization includes the work in Phase 2 and consist of the following items:

- Replace existing aluminum sluice gates, frames, and operators at the flash mix tanks to enhance corrosion resistance.
- Replace existing hypochlorite solution peristaltic hose pumps with new Seepex progressing cavity pumps for increase in reliability and reduction in maintenance costs.
- Install existing spare High Service Pump and 600HP motor which is stored by ECRWF. This work includes a new pump can, discharge piping and valves, accessories, electrical work, PLC programming, and modifications to the existing high service pump suction and discharge headers.
- Provide new 600HP VFD and related electrical switchgear to accommodate an "installed" fifth High Service Pump. This work will also include installation of a fifth vibration monitoring panel and modifications to the existing vibration monitoring system to facilitate trending and data recording and management.

- Replace existing reclaimed water tilting-disc check valve dampeners at the existing high service pumps and backwash pumps
- Upgrade existing PLC alarm protocols to alert staff and mitigate overflow events at the filters, backwash holding tank, process lift station, and ground storage tank.
- To mitigate the effects of primary process backups and overflows on the sanitary and building drain sewer systems eliminate direct gravity flow connections from the new warehouse/office facility and the electrical/hypochlorite building to the process lift station. Two new E-ONE packaged grinder pumps will be installed, one at each facility, to accomplish this. Existing gravity drains will be intercepted and routed to each E-ONE pump.
- Retrieve and reinstall both flocculation basin impellers.
- Furnish and install Hach turbidity monitoring instrumentation at the FPL Reclaimed West County Energy Center and connect to SCADA.

SCOPE OF SERVICES

Design-Build Entity shall perform the Scope of Services described in the ***Design-Build Criteria for East Central Regional Water Reclamation Facility Reclaimed Water Facility Improvements – Phase 2*** (PBCWUD, December 9, 2016) as further described herein:

The proposed work to be performed by the Design-Build Entity generally includes furnishing all labor, equipment, materials, tools, supervision, and services required to design, construct, test, and startup the proposed work and is generally described in the following scope of services:

Task 1 – Administrative and Engineering Services

1. Meet with the County and ECRWRF to review project scope and schedule. Develop risk log and identify number, dates, and duration of shutdowns required for work. Update schedule monthly and more frequently as required as schedule shutdown approaches.
2. Conduct utility locates using ground penetration radar and electromagnetic technologies.
3. Develop subcontracts with electrical engineer, utility locator, and electrical contractor and other entities as may be required.
4. The primary engineering design effort is being produced under the scope of services of WA-08, WUD Project No. 16-056, Phase 1. Additional supplementary design work will be completed relating to items in Phase 2 which were not included in the Phase 1 project. Phase 2 Design submittals will be combined with the Phase 1 submittals.
5. Prepare a preliminary (60%) design to include work in Phase 1 and Phase 2 as needed to depict work and obtain building permits.

6. Submit five (5) half-size copies of the 60% design to the County. Meet with the County and ECRWRF staff to review the design.
7. Incorporate the County approved comments and proceed to 90% and final design stages in accordance with the PBCWUD Water Utilities Minimum Design and Construction Standards, Engineering Design-Manual and security requirement. All review comments are to come from, or through, PBCWUD staff.
8. Submit FDEP/Palm Beach County Health Department and City of West Palm Beach building department permit applications if required.
9. Prepare detailed construction schedule to include as a minimum; engineering and permitting services, site mobilization, detailed construction activities, scheduled shutdowns and durations, equipment/material delivery times, testing, startup and commissioning. Schedule will integrate all activities from Phase I and future Phase II however, will stand alone as a Phase II schedule as well.
10. Prepare submittals (or confirmation of compliance with County design standards), administer and track submittal process.
11. Schedule project meetings, inspections, and testing with County and ECRWRF staff. Schedule task specific meetings with County, ECRWRF, and FPL staff for purposes of coordinating shutdown and bypass activities as those stages approach in the schedule.
12. Provide Engineer's site visits during construction to confirm construction is being performed in conformance with the Design Drawings and Specifications.
13. Prepare Record Drawings.

Task 2 – Construction Services

1. Replace existing aluminum sluice gates, frames, and operators at the flash mix tanks to enhance corrosion resistance:
 - a. Coordinate and schedule shutdowns as required to prepare for and complete work. It is anticipated that multiple nighttime shutdown(s) will be required
 - b. Remove existing gates, frames, and operators and prepare structure to receive new components.
 - c. Install new gates, frames, and operators
2. Replace existing hypochlorite solution peristaltic hose pumps with new Seepex progressing cavity pumps for increase in reliability and reduction in maintenance costs:
 - a. Coordinate removal and replacement sequencing with staff.
 - b. Remove and replace five (5) peristaltic hose pumps with five (5) new Seepex progressing cavity pumps at the same location as the existing pumps.
 - c. In accordance with the design development, replace and/or modify existing piping, valves, dampeners, gauges, I&C accessories, and supports as required for the new pump styles.
 - d. Reuse existing VFD's and modify as required to accommodate the new pumps. Complete all electrical and I&C work and PLC programming interface as required for a complete and functional system.
 - e. Provide manufacturer's startup services for new pumps
3. Install existing spare High Service Pump and 600HP motor which is stored by ECRWRF. This work includes a new pump can, discharge piping and valves, accessories, electrical work, PLC programming, and modifications to the existing high service pump suction and discharge headers:

- a. Receive existing rebuilt pump (discharge head, column, bowls, shaft, and impellers as assembled unit) and motor from staff.
 - b. Provide and install new pump can, identical to existing for installation of pump. Concrete encasement to be completed based on developed design and similar to existing.
 - c. Provide and install new tapping saddle and valve in existing 48-inch buried suction header for new pump. Hot tap method shall be used to avoid shutdown.
 - d. Install pump assembly complete in new pump can.
 - e. Install new suction and discharge piping, valves, supports, I&C devices and accessories. All piping, valves, and devices shall match size, arrangement, and material/manufacturer to the extent possible.
 - f. Modify and extend discharge header as required for fifth pump installation
 - g. Provide and install all electrical raceways, conductors, terminations, I&C components and devices as required to integrate fifth pump into system operating protocol.
 - h. Provide manufacturer's startup services for new pump and associated systems.
4. Provide new 600HP VFD and related electrical switchgear to accommodate an "installed" fifth High Service Pump. This work will also include installation of a fifth vibration monitoring panel and modifications to the existing vibration monitoring system to facilitate trending and data recording and management:
 - a. Provide and install 600HP, Eaton or approved equal VFD in the existing electrical switchgear room.
 - b. Provide and install new vibration panel for newly installed HSP-5. Modify four (4) existing vibration monitoring panels and PLC programming as required to accomplish data trending and monitoring by SCADA system.
 - c. Provide manufacturer's startup services for VFD and vibration monitoring system
 5. Replace existing reclaimed water tilting-disc check valve dampeners at the existing high service pumps and backwash pumps:
 - a. Purchase and install replacement hydraulic dampeners on tilting-disc check valves in four locations at high service pump station
 - b. Purchase and install replacement hydraulic dampeners on tilting-disc check valves at two locations at the backwash pump station
 - c. New dampeners will be purchased from the original manufacturer OEM supplier.
 - d. Shutdowns for replacement activities will be coordinated with staff.
 6. Upgrade existing PLC alarming protocols to alert staff and mitigate overflow events at the filters, backwash holding tank, process lift station, and ground storage tank:
 - a. Review existing protocols to identify deficiencies and areas of improvement to facilitate monitoring and prevention of overflow events at critical facilities. Review proposed changes with staff.
 - b. Implement SCADA programming modifications.
 7. To mitigate the effects of primary process backups and overflows on the sanitary and building drain sewer systems eliminate direct gravity flow connections from the new warehouse/office facility and the

electrical/hypochlorite building to the process lift station. Two new E-ONE packaged grinder pumps will be installed, one at each facility, to accomplish this. Existing gravity drains will be intercepted and routed to each E-ONE pump

- a. In accordance with the design prepared by Mathews Consulting (dated 9-30-16) intercept the existing gravity sanitary drain from the ECRWRF Reclaimed Office and Storage Facility and provide and install a new E-ONE packaged grinder pump station, forcemain, and electrical service. The existing design may be modified to accommodate project requirements. Globaltech, Inc. will work with Mathews Consulting to accomplish any changes.
 - b. Intercept gravity drain(s) from existing Hypochlorite/Electrical Building and provide and install a new E-ONE packaged grinder pump station, forcemain, and electrical service.
 - c. Restore paving, sidewalks, and grass areas to match existing.
8. Retrieve and reinstall both flocculation basin impellers (FLOC-MX-1 & FLOC-MX-2). Provide all the required machining and replacement hardware to recouple the impeller driveshaft to the drive gearbox.
 9. Furnish and install Hach turbidity monitoring instrumentation at the FPL Reclaimed West County Energy Center and connect to SCADA.
 10. Restore overall site to existing conditions.
 11. Provide O&M manuals supplied with new equipment.

Permits and Fees

It shall be the Design-Build Entity's responsibility to secure all permits required to complete the work under this contract, except permits obtained by the Owner. The Design-Build Entity shall be responsible for all inspections and requirements to close-out the completed permits. The Owner shall pay all permit fees. The Design-Build Entity shall be responsible for all Business tax fees for work within the county or Municipalities. Building permitting authority for this project is the City of West Palm Beach.

SALVAGED MATERIALS

1. Scrap metal to be placed in the ECRWRF salvage dumpster (if applicable).
2. Non-metal waste such as concrete, PVC, fiberglass etc., to be hauled and legally disposed by Design-Build Entity.

ASSUMPTIONS

1. County will make available all existing record drawings as may be required to coordinate and complete this scope of services.
2. County will make available construction photographs, submittals, and record drawings as may be required to coordinate and complete this scope of services.
3. County will review all submittals and provide comments within one calendar week and notify Design-Build Entity of status.

4. Liquidated damages may be assessed at a rate of \$1,000 per day up to Substantial completion and \$500 per day from Substantial Completion until Final Completion (consistent with a Moderately Important Project as outlined in **Attachment B**).
5. OWNER shall provide:
 - IP Addresses where required

COMPENSATION

Compensation for this Work Authorization shall not exceed the Guaranteed Maximum Price of **\$1,247,150.76** in accordance with the unit prices established in the Contract for construction services dated March 10, 2015, as approved by the Board of County Commissioners.

SBE/M-WBE PARTICIPATION

As described in the Contract (R 2015-0315), SBE/M-WBE participation is included in ATTACHMENT F under this Authorization. The attached Schedule 1 defines the SBE/M-WBE applied to this Authorization/Contract and Schedule 2 establishes the SBE/M-WBE contribution from each subcontractor (Letter of Intent to perform as an SBE/M-WBE).



CERTIFICATE OF LIABILITY INSURANCE

10/27/2016

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

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

PRODUCER Brown & Brown of Florida, Inc. 1201 W Cypress Creek Rd # 130 P.O. Box 5727 Ft. Lauderdale, FL 33310-5727 Christopher M. Moore, CPCU	CONTACT NAME: Christopher M. Moore, CPCU															
	PHONE (A/C, No, Ext): 954-776-2222	FAX (A/C, No): 954-776-4446														
E-MAIL ADDRESS:																
INSURED Globaltech, Inc. Attn: Rebecca Thomas 6001 Broken Sound Pkwy NW #610 Boca Raton, FL 33487		<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A : Amerisure Mutual Ins. Co.+</td> <td>23396</td> </tr> <tr> <td>INSURER B : *Amerisure Insurance Company+</td> <td>19488</td> </tr> <tr> <td>INSURER C : North River Insurance Company+</td> <td>21105</td> </tr> <tr> <td>INSURER D : Indian Harbor Insurance Co.+</td> <td>36940</td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Amerisure Mutual Ins. Co.+	23396	INSURER B : *Amerisure Insurance Company+	19488	INSURER C : North River Insurance Company+	21105	INSURER D : Indian Harbor Insurance Co.+	36940	INSURER E :		INSURER F :	
INSURER(S) AFFORDING COVERAGE	NAIC #															
INSURER A : Amerisure Mutual Ins. Co.+	23396															
INSURER B : *Amerisure Insurance Company+	19488															
INSURER C : North River Insurance Company+	21105															
INSURER D : Indian Harbor Insurance Co.+	36940															
INSURER E :																
INSURER F :																

COVERAGES


CERTIFICATE NUMBER:

REVISION NUMBER:

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

INSTR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR VVVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:		X	CPP20796570602	11/01/2016	11/01/2017	EACH OCCURRENCE	\$ 1,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 100,000
							MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 1,000,000
							GENERAL AGGREGATE	\$ 2,000,000
							PRODUCTS - COMP/OP AGG	\$ 2,000,000
							Emp Ben.	\$ 1,000,000
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS		X	CA20796540501	11/01/2016	11/01/2017	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
C	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 0			GLOBA081	11/01/2016	11/01/2017	EACH OCCURRENCE	\$ 2,000,000
							AGGREGATE	\$ 4,000,000
								\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WC207965505	11/01/2016	11/01/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER	
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
D	<input type="checkbox"/> Prof Liab & Contr <input type="checkbox"/> Pollution Liab			PEC004442302 RETRO DATE 7/7/95	08/21/2016	08/21/2017	<input type="checkbox"/> Claim/Agg <input type="checkbox"/> Ded	3,000,000 50,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Palm Beach County Board of County Commissioners, a political subdivision of the State of Florida, East Central Regional Wastewater Treatment Facilities Operations Board and City of West Palm Beach is additional insured with respect to General Liability, and Auto Liability(per form CG70480913 attached)Umbrella as required by Interlocal Agreement for the Enhancement of the Reclaimed Water Facility dated March 22, 2016 (Palm Beach County Resolution No. R2016-0374.) Umbrella follows form.

CERTIFICATE HOLDER PALMBE1 Palm Beach County C/O Insurance Tracking Service, Inc. (ITS) P.O. Box 20270 Long Beach, CA 90801	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
--	--

© 1988-2014 ACORD CORPORATION. All rights reserved.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.
CONTRACTOR'S BLANKET ADDITIONAL INSURED ENDORSEMENT –
FORM A

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

Policy Number CPP20796570602	Agency Number 0825039	Policy Effective Date 11/01/2016
Policy Expiration Date 11/01/2017	Date 11/08/2016	Account Number 20034115
Named Insured GLOBALTECH INC.	Agency BROWN & BROWN OF FLORIDA, INC./FT. LAUDERDALE	Issuing Company AMERISURE MUTUAL INSURANCE COMPANY

1. a. **SECTION II - WHO IS AN INSURED** is amended to add as an additional insured any person or organization:
 - (1) Whom you are required to add as an additional insured on this policy under a written contract or written agreement relating to your business; or
 - (2) Who is named as an additional insured under this policy on a certificate of insurance.
- b. The written contract, written agreement, or certificate of insurance must:
 - (1) Require additional insured status for a time period during the term of this policy; and
 - (2) Be executed prior to the "bodily injury", "property damage", or "personal and advertising injury" leading to a claim under this policy.
- c. If, however:
 - (1) "Your work" began under a letter of intent or work order; and
 - (2) The letter of intent or work order led to a written contract or written agreement within 30 days of beginning such work; and
 - (3) Your customer's customary contracts require persons or organizations to be named as additional insureds;

we will provide additional insured status as specified in this endorsement.
2. The insurance provided under this endorsement is limited as follows:
 - a. That person or organization is an additional insured only with respect to liability caused, in whole or in part, by:
 - (1) Premises you:
 - (a) Own;
 - (b) Rent;
 - (c) Lease; or
 - (d) Occupy;
 - (2) Ongoing operations performed by you or on your behalf. Ongoing operations does not apply to "bodily injury" or "property damage" occurring after:

- (a) All work to be performed by you or on your behalf for the additional insured(s) at the site of the covered operations is complete, including related materials, parts or equipment (other than service, maintenance or repairs); or
 - (b) That portion of "your work" out of which the injury or damage arises is put to its intended use by any person or organization other than another contractor working for a principal as a part of the same project.
- (3) Completed operations coverage, but only if:
- (a) The written contract, written agreement, or certificate of insurance requires completed operations coverage or "your work" coverage; and
 - (b) This coverage part provides coverage for "bodily injury" or "property damage" included within the "products-completed operations hazard".

However, the insurance afforded to such additional insured only applies to the extent permitted by law.

- b. If the written contract, written agreement, or certificate of insurance:
- (1) Requires "arising out of" language; or
 - (2) Requires you to provide additional insured coverage to that person or organization by the use of either or both of the following:
 - (a) Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10 10 01; or
 - (b) Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 10 01;

then the phrase "caused, in whole or in part, by" in paragraph 2.a. above is replaced by "arising out of".

- c. If the written contract, written agreement, or certificate of insurance requires you to provide additional insured coverage to that person or organization by the use of:
- (1) Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10 07 04 or CG 20 10 04 13; or
 - (2) Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 07 04 or CG 20 37 04 13; or
 - (3) Both those endorsements with either of those edition dates; or
 - (4) Either or both of the following:
 - (a) Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10 without an edition date specified; or
 - (b) Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 without an edition date specified;

then paragraph 2.a. above applies.

- d. Premises, as respects paragraph 2.a.(1) above, include common or public areas about such premises if so required in the written contract or written agreement.
- e. Additional insured status provided under paragraphs 2.a.(1)(b) or 2.a.(1)(c) above does not extend beyond the end of a premises lease or rental agreement.
- f. The limits of insurance that apply to the additional insured are the least of those specified in the:
 - (1) Written contract;
 - (2) Written agreement;
 - (3) Certificate of insurance; or
 - (4) Declarations of this policy.

The limits of insurance are inclusive of and not in addition to the limits of insurance shown in the Declarations.

Includes copyrighted material of Insurance Services Office, Inc.

- g. The insurance provided to the additional insured does not apply to "bodily injury", "property damage", or "personal and advertising injury" arising out of an architect's, engineer's, or surveyor's rendering of, or failure to render, any professional services, including but not limited to:
- (1) The preparing, approving, or failing to prepare or approve:
 - (a) Maps;
 - (b) Drawings;
 - (c) Opinions;
 - (d) Reports;
 - (e) Surveys;
 - (f) Change orders;
 - (g) Design specifications; and
 - (2) Supervisory, inspection, or engineering services.

h. **SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS**, paragraph 4. **Other Insurance** is deleted and replaced with the following:

4. Other Insurance.

Coverage provided by this endorsement is excess over any other valid and collectible insurance available to the additional insured whether:

- a. Primary;
- b. Excess;
- c. Contingent; or
- d. On any other basis;

but if the written contract, written agreement, or certificate of insurance requires primary and non-contributory coverage, this insurance will be primary and non-contributory relative to other insurance available to the additional insured which covers that person or organization as a Named Insured, and we will not share with that other insurance.

- i. If the written contract, written agreement, or certificate of insurance as outlined above requires additional insured status by use of CG 20 10 11 85, then the coverage provided under this CG 70 48 endorsement does not apply except for paragraph 2.h. **Other Insurance**. Additional insured status is limited to that provided by CG 20 10 11 85 shown below and paragraph 2.h. **Other Insurance** shown above.

**ADDITIONAL INSURED - OWNERS, LESSEES OR
CONTRACTORS (FORM B)**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART.

SCHEDULE

Name of Person or Organization: Blanket Where Required by Written Contract, Agreement, or Certificate of Insurance that the terms of CG 20 10 11 85 apply

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

WHO IS AN INSURED (Section II) is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" for that insured by or for you.

CG 20 10 11 85 Copyright, Insurance Services Office, Inc., 1984

- j. The insurance provided by this endorsement does not apply to any premises or work for which the person or organization is specifically listed as an additional insured on another endorsement attached to this policy.

ATTACHMENT - B

WORK AUTHORIZATION NO. 10

Palm Beach County Water Utilities Department Optimization and Improvements Design-Build Contract

Rates for Liquidated Damages

Palm Beach County Water Utilities Department shall establish liquidated damages rates for each Work Authorization based on the dollar amount and time sensitivity of the project. The rates shall be as follows according to a criticality rating of 1 through 3 assigned to each Work Authorization by the Department as established below:

Moderately Important Project (Criticality 2): Liquidated Damages
\$1,000 per day after Substantial Completion Date
\$500 per day after Final Completion Date

ATTACHMENT – C

Public Construction Bond



NHC

NIELSON, ROSENHAUS & ASSOCIATES

A NIELSON HOOVER GROUP COMPANY

SMART. UNCOMPROMISING. TIMELY. EFFECTIVE. NIELSON, HOOVER & COMPANY, INC. SURETY SOLUTIONS THAT MAKE A DIFFERENCE

December 13, 2016

Globaltech, Inc.
6001 Broken Sound Parkway NW
Suite 610
Boca Raton, FL 33487

RE: Palm Beach County, as Obligee
East Central Regional Water Reclamation Facility Reclaimed Water Facility
Improvements - Phase 2, Project #WUD 17011, WA-10, as Project
Bond No. SU1142451

Dear Ladies and Gentlemen:

Please supply us with the following information for the above captioned final bond:

Executed Contract with Date: X _____

This letter is also giving **Globaltech, Inc.**, as Principal and/or the **Palm Beach County**, as Obligee, the authority to complete these bonds and the form of guarantee with the contract date, execution and Power of Attorney dates. **The contract date MAY BE THE SAME date as the execution of the bond or PRIOR to the execution date of the bonds.**

We will forward this information onto your surety company upon our receipt. Please return as soon as possible.

Thank you for your cooperation.

Sincerely,

Brett Rosenhaus
Attorney-in-Fact

ATTACHMENT - C

PUBLIC CONSTRUCTION BOND

BOND NUMBER: SU1142451

BOND AMOUNT: \$1,247,150.76

CONTRACT AMOUNT: \$1,247,150.76

CONTRACTOR'S NAME: Globaltech, Inc.

CONTRACTOR'S ADDRESS: 6001 Broken Sound Parkway NW
Suite 610
Boca Raton, FL 33487

CONTRACTOR'S PHONE: (561) 997-6433

SURETY COMPANY: Arch Insurance Company

SURETY'S ADDRESS: 300 Plaza Three
Jersey City, NJ 07311

OWNER'S NAME: Palm Beach County

OWNER'S ADDRESS: 8100 Forest Hill Boulevard (P.O. Box 16097)
West Palm Beach, FL 33413

OWNER'S PHONE: (561) 493-6000

DESCRIPTION OF WORK: Various operational improvements at PBCWUD's East Central Regional Water Reclamation Facility, as outlined in Owner's project number WUD 17-011 contract.

COUNTY'S PROJECT No: WUD 17-011, WA-10

PROJECT LOCATION: PBCWUD East Central Regional Water Reclamation Facility (ECRWRF),
4334 Easley Drive, West Palm Beach, FL 33417, PCN 74-42-43-11-01-0350-000.

LEGAL DESCRIPTION: PCN 74-42-43-11-01-0350-000.

PUBLIC CONSTRUCTION BOND

This Bond is issued in favor of the County, ECR, and WPB, conditioned on the full and faithful performance of the Contract.

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, and

East Central Regional Wastewater Treatment Facilities Operations Board
4375 Easley Drive
West Palm Beach, FL 33409

as Co-Obligee, herein called ECR, and

City of West Palm Beach
401 Clematis Street
West Palm Beach, FL 33401

as Co-Obligee, herein called WPB, for the use and benefit of claimant as herein below defined, in the penal sum of

Dollars \$1,247,150.76

One million two hundred forty seven thousand one hundred fifty dollars and seventy-six cents.

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.

Notwithstanding anything contained herein to the contrary, there shall be no liability on the part of the Principal or Surety under this Bond to the Obligees, or any of them, unless the Obligees, or any of them, shall make payments to the Principal, or to the Surety in case it arranges for completion of the Contract upon default of the Principal, strictly in accordance with the terms of said Contract as to payments, and shall perform all the other obligations required to be performed under said Contract at the time and in the manner therein set forth.

In no event shall the liability of the Principal and the Surety to the Obligee, or any of them, in the aggregate, exceed the penal sum stated in the attached Bond.

WHEREAS,

Principal has by written agreement dated _____, 20____, entered into a contract with the County for:

Project Name: East Central Regional Water Reclamation Facility Reclaimed Water Facility Improvements – Phase 2
Project No.: WUD 17-011
Project Description: Various operational improvements at PBCWUD's East Central Regional Water Reclamation Facility, as outlined in Owner's project number WUD 17-011 contract.
Project Location: PBCWUD East Central Regional Water Reclamation Facility (ECRWRF), 4334 Easley Drive, West Palm Beach, FL 33417, PCN 74-42-43-11-01-0350-000.

in accordance with Design Criteria Drawings and Specifications prepared by:

Name of Design Firm: Globaltech, Inc.
Location of Firm: 6001 Broken Sound Parkway NW, Ste. 610, Boca Raton, FL 33487
Phone: (561) 997-6433

which contract is by reference made a part hereof in its entirety, and is hereinafter referred to as the Contract.

THE CONDITION OF THIS BOND is that if Principal:

1. Performs the contract dated _____, 20____, between Principal and County for the design and construction of WUD 17-011, the contract being made a part of this bond by reference, at the times and in the manner prescribed in the contract; and
2. 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 contract; and
3. Pays County, ECR, and WPB all losses, damages (including liquidated damages), expenses, costs, and attorneys' fees, including appellate proceedings, that County, ECR, and WPB sustains because of a default by Principal under the contract; and
4. Performs the guarantee of all work and materials furnished under the contract for the time specified in the contract, then this bond is void; otherwise it remains in full force.
5. Any changes in or under the contract documents and compliance or noncompliance with any formalities connected with the contract or the changes does not affect Surety's obligation under this bond and Surety waives notice of such changes.
6. 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.
7. Principal and Surety expressly acknowledge that any and all provisions relating to consequential, delay and liquidated damages contained in the contract 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.
8. 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.
9. Any action brought under this instrument shall be brought in the state court of competent jurisdiction in Palm Beach County, Florida and not elsewhere.

Rebecca Thomas
Witness

Rebecca Thomas
Print name

Globaltech, Inc.
[Signature]
Principal (Seal)

Bernard P. Candy
Print name

President
Title

Rita Lazarides
Witness

Rita Lazarides
Print name

Arch Insurance Company
Brett Rosenhaus
Surety (Seal)

Brett Rosenhaus
Print name

Attorney-in-Fact & FL Licensed Agent
Title

ATTACHMENT – D

Form of Guarantee

ATTACHMENT - D

FORM OF GUARANTEE

GUARANTEE FOR GLOBALTECH INC. (CONTRACTOR) AND ARCH INSURANCE COMPANY (SURETY)

We the undersigned hereby guarantee that the **East Central Regional Water Reclamation Facility Reclaimed Water Facility Improvements – Phase 2, WUD 17-011, WA-10**, 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 Substantial 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. 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.

DATED: _____
(notice of completion filing date)


SEAL AND NOTARIAL ACKNOWLEDGMENT OF SURETY

Globaltech, Inc. (Seal)
(Contractor)

By: 
(Signature)

Bernard P. Gandy
(Printed Name)

Arch Insurance Company (Seal)
(Surety)

By: 
(Signature)

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

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON BLUE BACKGROUND.

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 Mortgage, Note, Loan, Letter of Credit, Bank Deposit, 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:

- Arthur Lawrence Colley of Charlotte, NC
- Brett Rosenhaus of Lake Worth, FL
- Charles D. Nielson, Charles J. Nielson and David R. Hoover 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 Ninety Million Dollars (\$90,000,000.00)

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 apply 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 September 15, 2011, 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."

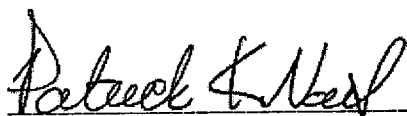
This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on September 15, 2011:

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 September 15, 2011, 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.

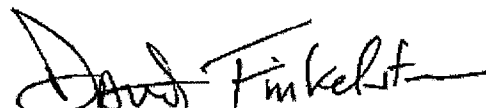
In Testimony Whereof, the Company has caused this instrument to be signed and its corporate seal to be affixed by their authorized officers, this 8th day of January, 2016.

Attested and Certified

Arch Insurance Company


Patrick K. Nails, Secretary

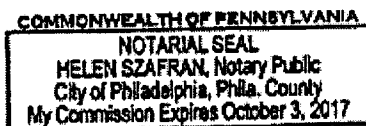


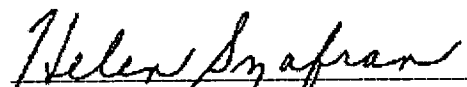

David M. Finkelstein, Executive Vice President

STATE OF PENNSYLVANIA SS

COUNTY OF PHILADELPHIA SS

I, Helen Szafran, a Notary Public, do hereby certify that Patrick K. Nails and David M. Finkelstein 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.





Helen Szafran, Notary Public
My commission expires 10/03/2017

CERTIFICATION

I, Patrick K. Nails, Secretary of the Arch Insurance Company, do hereby certify that the attached Power of Attorney dated January 8, 2016 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 David M. Finkelstein, 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_____.


Patrick K. Nails, 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



ATTACHMENT - E

Work Authorization Schedule of Bid Items



Takeoff Worksheet

12/08/16

**PBC Water Utilities Department
162006 PBC ECR Improvements Phase 2**

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price	
1 General Conditions									
Temporary Facilities		LOT							
Job Site Trailer		MONTH	3	500.00	1,500.00	7.00	1.1500	1,845.75	
Trailer Pick up/Delivery		EA	1	400.00	400.00	7.00	1.1500	492.20	
Sanitary		MONTH	3	120.00	360.00	7.00	1.1500	442.98	
Waste Hauling		LOT	1	600.00	600.00	7.00	1.1500	738.30	
General Conditions		LOT							
Submittal Labor		HR	30	71.08	2,132.40		1.2992	2,770.41	
O&M		HR	30	71.08	2,132.40		1.2992	2,770.41	
Progress Meeting		HR	30	71.08	2,132.40		1.2992	2,770.41	
Scheduling Labor		HR	30	71.08	2,132.40		1.2992	2,770.41	
Construction PM		HR	140	71.08	9,951.20		1.2992	12,928.60	
Construction Superintendent		HR	120	62.13	7,455.60		1.2992	9,686.32	
Purchasing & Subcontracts		HR	40	71.08	2,843.20		1.2992	3,693.89	
Safety		HR	10	71.08	710.80		1.2880	915.51	
Safety Equipment		LOT	1	1,000.00	1,000.00	7.00	1.1500	1,230.50	
Building Permits Application & Coordination		HR	5	71.08	355.40		1.2992	461.74	
Office Admin		HR	20	38.89	777.80		1.2992	1,010.52	
					Bid Item Totals:	34,483.60			44,527.95
2 Sitework									
Locates	Ground Hound	DAY	1	1,800.00	1,800.00		1.1000	1,980.00	
Punch Out Crew		CR-D	3	962.08	2,886.24		1.2992	3,749.80	
Restoration, Sod, Concrete & Asphalt		LOT	1	10,000.00	10,000.00	6.00	1.1500	12,190.00	
Installation 4-Man Crew		CR-D	4	1,166.16	4,664.64		1.2992	6,060.30	

Takeoff Worksheet

12/08/16

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Demob								
Construction PM		HR	8	71.08	568.64		1.2992	738.78
Construction Superintendent		HR	16	62.13	994.08		1.2992	1,291.51
3 man Crew		CR-D	2	962.88	1,925.76		1.2992	2,501.95
Bid Item Totals:					22,839.36			28,512.34
3 Concrete								
Pump Pad, Pump Can & Side Walk								
Form & Materials		LOT	1	4,000.00	4,000.00	7.00	1.1500	4,922.00
Cast In Place Concrete		YD	50	180.00	9,000.00	6.00	1.1500	10,971.00
Concrete Pump		EA	4	700.00	2,800.00	7.00	1.1500	3,445.40
Testing Services		LOT	1	2,500.00	2,500.00		1.1000	2,750.00
Grout		LOT	1	1,500.00	1,500.00	7.00	1.1500	1,845.75
Installation (5-Man Crew)		CR-D	15	1,614.24	24,213.60		1.2992	31,458.31
Bid Item Totals:					44,013.60			55,392.46
9 Finishes								
Signage & Labels		LOT	1	4,000.00	4,000.00	7.00	1.1500	4,922.00
Installation (3-Man Crew)		CR-D	3	962.88	2,888.64		1.2992	3,752.92
Coatings		LOT	1	3,000.00	3,000.00	7.00	1.1500	3,691.50
Misc Application Material		LOT	1	1,000.00	1,000.00	7.00	1.1500	1,230.50
Installation (3-Man Crew)		CR-D	8	962.88	7,703.04		1.2992	10,007.79
Bid Item Totals:					18,591.68			23,604.71
13 I&C								
Vibration & Temperature Monitoring Panel	CC Controls	LOT	1	29,850.00	29,850.00	6.00	1.1500	36,387.15
Installation & Coordination (3-Man Crew)		CR-D	2	962.88	1,925.76		1.2992	2,501.95
Programming	ADS Engineering	LOT	1	30,400.00	30,400.00		1.1000	33,440.00
Bid Item Totals:					62,175.76			72,329.10

Takeoff Worksheet

12/08/16

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
15 Mechanical								
Slide Gate								
Slide Gate (SS 316)	Moss Kelly	LOT	1	16,238.00	16,238.00	6.00	1.1500	19,794.12
Vendor Startup/Testing		LOT	1	2,400.00	2,400.00	7.00	1.1500	2,953.20
Concrete Cutting (3-Man Crew)		CR-D	1	962.88	962.88		1.2992	1,250.97
Grout		LOT	1	500.00	500.00	7.00	1.1500	615.25
SS Angle		LOT	1	3,000.00	3,000.00	7.00	1.1500	3,691.50
Chemical Flash Mixer Repair Material		EA	2	1,000.00	2,000.00	7.00	1.1500	2,461.00
Chemical Flash Mixer Labor (3-Man Crew)		CR-D	1	962.88	962.88		1.2992	1,250.97
Removal Existing Gates (5-Man Crew)		CR-D	4	1,614.24	6,456.96		1.2992	8,388.88
Removal Existing Gates (3-Man Crew)		CR-D	4	962.88	3,851.52		1.2992	5,003.89
Install New Gates (5-Man Crew)		CR-D	4	1,614.24	6,456.96		1.2992	8,388.88
Crane - 40 Ton		Hr	16	150.00	2,400.00	7.00	1.1500	2,953.20
Check Valve Dampener Replacement	Fluid Control	LOT	1	51,827.00	51,827.00	6.00	1.1500	63,177.11
Reclaimed Water Pump Station								
Pump Can	Carter Verplanck	EA	1	25,210.00	25,210.00	6.00	1.1500	30,730.99
DI Pipe, Fittings & Valve	McDade	LOT	1	77,212.36	77,212.36	6.00	1.1500	94,121.87
Installation (5-Man Crew)		CR-D	15	1,614.24	24,213.60		1.2992	31,458.31
Chlorine Pump Replacement		LOT						
Sodium Hypochlorite (Type -1)	Seepex	EA	3	23,529.00	70,587.00	6.00	1.1500	86,045.55
Sodium Hypochlorite (Type-2)	Seepex	EA	2	17,957.00	35,914.00	6.00	1.1500	43,779.17
Freight		EA	1	2,000.00	2,000.00		1.1500	2,300.00
Startup/Testing		LOT	1	2,400.00	2,400.00	7.00	1.1500	2,953.20
Pump Pedestal		EA	5	700.00	3,500.00	7.00	1.1500	4,306.75
SCH 80 PVC Pipe & Fittings		LOT	1	3,000.00	3,000.00	7.00	1.1500	3,691.50
Pressure Relief Valve		EA	5	1,000.00	5,000.00	7.00	1.1500	6,152.50
PVC Ball Valves		EA	12	498.00	5,976.00	7.00	1.1500	7,353.47
Existing Pump Removal (4-Man Crew)		CR-D	4	1,166.16	4,664.64		1.2992	6,060.30
Install New Pump & Piping (4-Man Crew)		CR-D	10	1,166.16	11,661.60		1.2992	15,150.75

Takeoff Worksheet

12/08/16

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Simplex Grinder Pump-Hypochlorite Bldg								
LPS Simplex Grinder Package	WRTIE ONE	EA	1	3,945.00	3,945.00	7.00	1.1500	4,854.32
HDPE Pipe & Fittings		LOT	1	1,200.00	1,200.00	7.00	1.1500	1,476.60
Valves & Operators		LOT	1	2,000.00	2,000.00	7.00	1.1500	2,461.00
SCH 80 PVC/CPVC Pipe & Ftgs		LOT	1	400.00	400.00	7.00	1.1500	492.20
Dewatering		LOT	1	1,500.00	1,500.00	7.00	1.1500	1,845.75
Stone/Fill		LOT	1	2,250.00	2,250.00	7.00	1.1500	2,768.63
Form & Materials		LOT	1	1,000.00	1,000.00	7.00	1.1500	1,230.50
Cast In Place Concrete		YD	3	180.00	540.00	7.00	1.1500	664.47
Concrete Pump		LOT	1	700.00	700.00	7.00	1.1500	861.35
Concrete Core		EA	1	500.00	500.00	7.00	1.1500	615.25
Fusion machine rental		LOT	1	1,500.00	1,500.00	7.00	1.1500	1,845.75
Excavate for Pump and Piping (3-Man Crew)		CR-D	4	962.88	3,851.52		1.2992	5,003.89
Install Pump, HDPE Pipe, Fittings and Valves (3-M		CR-D	6	962.88	5,777.28		1.2992	7,505.84
Concrete Installation (3-Man Crew)		CR-D	1	962.88	962.88		1.2992	1,250.97
Simplex Grinder Pump-Warehouse								
LPS Simplex Grinder Package	WRTIE ONE	EA	1	3,945.00	3,945.00	7.00	1.1500	4,854.32
HDPE Pipe & Fittings		LOT	1	1,200.00	1,200.00	7.00	1.1500	1,476.60
Valves & Operators		LOT	1	2,000.00	2,000.00	7.00	1.1500	2,461.00
SCH 80 PVC/CPVC Pipe & Ftgs		LOT	1	400.00	400.00	7.00	1.1500	492.20
Dewatering		LOT	1	1,500.00	1,500.00	7.00	1.1500	1,845.75
Stone/Fill		LOT	1	2,250.00	2,250.00	7.00	1.1500	2,768.63
Form & Materials		LOT	1	1,000.00	1,000.00	7.00	1.1500	1,230.50
Cast In Place Concrete		YD	3	180.00	540.00	7.00	1.1500	664.47
Concrete Pump		LOT	1	700.00	700.00	7.00	1.1500	861.35
Concrete Core		EA	1	500.00	500.00	7.00	1.1500	615.25
Fusion machine rental		LOT	1	1,500.00	1,500.00	7.00	1.1500	1,845.75
Excavate for Pump and Piping (3-Man Crew)		CR-D	4	962.88	3,851.52		1.2992	5,003.89
Install Pump, HDPE Pipe, Fittings and Valves (3-M		CR-D	6	962.88	5,777.28		1.2992	7,505.84
Concrete Installation (3-Man Crew)		CR-D	1	962.88	962.88		1.2992	1,250.97

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup	Ext. Price
Turbidity Analyzer	Hach	EA	1	7,138.98	7,138.98	6.00	1.1500	8,702.42
Enclosure & Accessories		EA	1	2,625.35	2,625.35	7.00	1.1500	3,230.49
Construction PM		HR	20	71.08	1,421.60		1.2992	1,846.94
Construction PM (Elec/I&C)		HR	10	71.08	710.80		1.2992	923.47
MOB/Demob		CR-D	1	962.88	962.88		1.2992	1,250.97
Install (3-Man Crew)		CR-D	2	962.88	1,925.76		1.2992	2,501.95
SCH 80 PVC Pipe, Fittings & Valve		LOT	1	1,000.00	1,000.00	7.00	1.1500	1,230.50
Misc Metals & Fasteners		LOT	1	1,500.00	1,500.00	7.00	1.1500	1,845.75
Bid Item Totals:					437,934.13			541,318.86
16 Electrical								
Electrical Sub <i>(BASE Bid)</i>	Energy Efficient	LOT	1	109,821.00	109,821.00		1.1000	120,803.10
Construction PM (Elec/I&C)		HR	140	50.52	7,072.80		1.2992	9,188.98
VFD (Eaton)	Eaton Cutler-Hammer	LOT	1	103,914.00	103,914.00	6.00	1.1500	126,671.17
Installation (3-Man Crew)		CR-D	2	962.88	1,925.76	7.00	1.1500	2,369.64
Pump #5 Electrical Adder (Conduit Re-Route)								
Electrical Sub (Base Bid)	Energy Efficient	LOT	1	21,000.00	21,000.00		1.1000	23,100.00
Trench, Backfill, Compaction		CR-D	2	962.88	1,925.76		1.2992	2,501.95
E ONE Pump Station								
Electrical Sub	Energy Efficient	LOT	1	26,300.00	26,300.00		1.1000	28,930.00
Trench, Backfill & Compaction (Electrical)		CR-D	3	1,166.16	3,498.48		1.2992	4,545.23
Turbidity Meter FPL								
Electrical Sub	Energy Efficient	LOT	1	3,000.00	3,000.00		1.1000	3,300.00
Bid Item Totals:					278,457.80			321,410.07
18 Rental Equipment								
Backhoe		MO	5	2,400.00	12,000.00	7.00	1.1500	14,766.00
10,000lb Traversing Fork Lift		Month	3	4,850.00	14,550.00	7.00	1.1500	17,903.78
Excavator		MO	1	8,000.00	8,000.00	6.00	1.1500	9,752.00
Mini Excavator		Month	2	2,400.00	4,800.00	7.00	1.1500	5,906.40

Takeoff Worksheet

12/08/16

Continued...

Description	Quote/Vendor	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Mini Excavator		Month	2	2,400.00	4,800.00	7.00	1.1500	5,906.40
Light Plant		MO	2	885.00	1,770.00	7.00	1.1500	2,177.99
Equipment Fuel		GAL	1000	4.00	4,000.00	7.00	1.1500	4,922.00
Misc Tools & Equipment		LOT	1	2,000.00	2,000.00	7.00	1.1500	2,461.00
Bid Item Totals:					47,120.00			57,889.17
50 Engineering/Record Drawing								
Engineering		LOT	1	70,733.00	70,733.00		1.0000	70,733.00
Bid Item Totals:					70,733.00			70,733.00
60 Bonds, Insurance & Certifications								
Bonds & Certifications		LOT	1	21,697.36	21,697.36		1.1500	24,951.96
Builders Risk Insurance		LOT	1	5,085.77	5,085.77		1.1500	5,848.64
Bid Item Totals:					26,783.13			30,800.60
70 PBC Surtax								
PBC Surtax		EA	11	50.00	550.00		1.1500	632.50
Bid Item Totals:					550.00			632.50
Grand Totals:					1,043,682.06			1,247,150.76

Note: CR-D=8Hrs

*Contract Markups Per Master Agreement:

Materials = 1.15, Subcontractors = 1.1, Labor at Burden = 1.2992

ATTACHMENT - F

SBE Schedule 1 & Schedule 2

ATTACHMENT - F

SCHEDULE 1

LIST OF PROPOSED SBE-M/WBE PRIME/SUBCONTRACTORS

PROJECT NAME: East Central Regional Water Reclamation Facility Reclaimed Water Facility Improvements – Phase 2 PROJECT No: WUD 17-011

NAME OF PRIME BIDDER Globaltech, Inc.
 CONTACT PERSON: Bernard P. Gandy, President
 BID OPENING DATE: N/A

ADDRESS: 6001 Broken Sound Parkway NW, Suite 610
 PHONE NO.: 561-997-6433 FAX NO.: 561-997-5811
 DEPARTMENT: N/A

PLEASE IDENTIFY ALL APPLICABLE CATEGORIES

Name, Address and Telephone Number of Minority Contractor	(Check one or both Categories)		Dollar Amount				
	Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
Globaltech, Inc., (561) 997-6433 6001 Broken Sound Parkway NW, Suite 610, Boca Raton, FL 33487	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$ -	\$ -	\$ -	\$ 1,032,859.59	\$ -
ADS Engineering, PLLC 4400 N. Federal Highway, Suite 18 Boca Raton, FL 33431 (954) 415-7378	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$ -	\$ -	\$ -	\$ 30,400.00	\$ -
Hillers Electrical Engineers, Inc. 23257 State Road 7, Suite 100 Boca Raton, 33428 (561) 451-9165	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$ -	\$ 19,470.17	\$ -	\$ -	\$ -
Ground Hound Detection Services, Inc. 2930 NW Commerce Park Dr. #1 Boynton Beach, FL 33426 (561) 737-9800	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$ -	\$ -	\$ -	\$ 1,800.00	\$ -
Energy Efficient Electric, Inc. Palm Beach, FL 33401 (561) 655- 7211	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$ -	\$ -	\$ -	\$ 160,121.00	\$ -
	<input type="checkbox"/>	<input type="checkbox"/>	\$ -	\$ -	\$ -	\$ -	\$ -
PRIME CONTRACTOR TO COMPLETE:	TOTAL		\$ -	\$ 19,470.17	\$ -	\$ 1,225,180.59	\$ -
BID PRICE: \$ <u>1,247,150.76</u>			Total Value of SBE Participation: \$ <u>1,244,650.76</u>				

- NOTE:
1. The amount listed on this form for a Subcontractor must be supported by price or percentage included on Schedule 2 or a proposal from each Subcontractor listed in order to be counted toward goal attainment.
 2. Firms may be certified by Palm Beach County as an SBE and/or an M/WBE. If firms are certified as both an SBE and M/WBE, please indicate the dollar amount under the appropriate category.
 3. M/WBE information is being collected for tracking purposes only.

ATTACHMENT - F

SCHEDULE 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONTRACTOR

PROJECT NO. WUD 17-011

PROJECT NAME East Central Regional Water Reclamation Facility - Reclaimed Water Facility Improvements - Phase 2

TO: Globaltech, Inc.
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a(n) - (check one or more, as applicable):

Small Business Enterprise XX Minority Business Enterprise _____

Black _____ Hispanic _____ Women _____ Caucasian XX Other (Please Specify) _____

Date of Palm Beach County Certification: November 24, 2015

The undersigned is prepared to perform the following described work in connection with the above project **(Specify in detail, particular work items or parts thereof to be performed):**

Line Item/Lot No.	Item Description	Qty / Units	Unit Price	Total Price
1	Engineering	1	N/A	\$ 51,263.28
2	Mechanical & General Construction	1	N/A	\$ 950,795.71
3	Bonds & Certifications	1	N/A	\$ 30,800.60

at the following price:
\$ 1,032,859.59 (One Million thirty-two thousand eight hundred fifty-nine dollars and fifty-nine cents)
(Subcontractor's quote)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subcontractor, the amount of any such subcontract must be stated: NONE.

The undersigned subcontractor understands that the provision of this form to prime bidder does not prevent subcontractor from providing quotations to other bidders

Globaltech, Inc.
(Print Name of SBE-M/WBE Subcontractor)

By: [Signature]
(Signature)

Bernard P. Gandy, President
(Print name/title of person executing on behalf of SBE-M/WBE Subcontractor)

Date: December 7th, 2016

**Palm Beach County
Office of Small Business Assistance**

Certifies That

Globaltech, Inc.

VENDOR # **GLOB0059**

is a Small Business Enterprise as prescribed by Section 2-80.21– 2-80.35 of the Palm Beach County Code for a three year period from November 24, 2015 to November 23, 2018

The following Services and/or Products are covered under this certification:

**Construction General
(Backfill Services, Digging, Ditching, Road Grading, Rock Stabilization) etc;
Engineering Consulting
Mechanical Engineering**

Palm Beach County Board of County Commissioners

Shelley Vana, Mayor
Mary Lou Berger, Vice Mayor
Val R. Valeche
Paulette Burdick
Steven L. Abrams
Melissa Mc Kinlay
Priscilla A. Taylor

County Administrator
Verdenia C. Baker



A handwritten signature in cursive script that reads "Allen Gray".

Allen Gray, Manager
September 10, 2015

ATTACHMENT - F

SCHEDULE 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONTRACTOR

PROJECT NO. WUD 17-011

PROJECT NAME: East Central Regional Water Reclamation Facility – Reclaimed Water Facility Improvements – Phase 2

TO: Globaltech, Inc.
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a(n) – (check one or more, as applicable):

Small Business Enterprise Minority Business Enterprise _____

Black _____ Hispanic _____ Women _____ Caucasian Other (Please Specify) _____

Date of Palm Beach County Certification: November 15, 2016

The undersigned is prepared to perform the following described work in connection with the above project
(Specify in detail, particular work items or parts thereof to be performed):

Line Item/Lot No.	Item Description	Qty / Units	Unit Price	Total Price
<u>1</u>	<u>Programming</u>	<u>1</u>	<u>N/A</u>	<u>\$ 30,400.00</u>

at the following price:

\$30,400.00 (Thirty thousand four hundred dollars and no cents)
(Subcontractor's quote)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subcontractor, the amount of any such subcontract must be stated: NONE.

The undersigned subcontractor understands that the provision of this form to prime bidder does not prevent subcontractor from providing quotations to other bidders

ADS Engineering, PLLC.
(Print Name of SBE-M/WBE Subcontractor)

By: 
(Signature)

Alex Stoianovic, P.E. / President
(Print name/title of person executing on behalf of SBE-M/WBE Subcontractor)

Date: December 8th, 2016

**Palm Beach County
Office of Small Business Assistance**

Certifies That

ADS Engineering, PLLC

Vendor # VS0000001007

is a Small Business Enterprise as prescribed by section 2-80.21 – 2-80.35 of the Palm Beach County Code for a three year period from November 15, 2013 to November 14, 2016

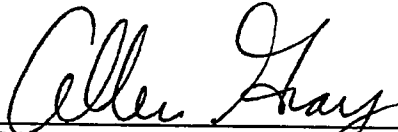
The following Services and/or Products are covered under this certification:

**Electrical Engineering
Engineer Services, Professional
Engineering Consulting
Inspection Services, Electrical Instrumentation and Control**

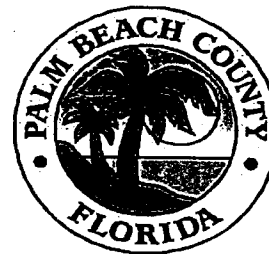
Palm Beach County Board of County Commissioners

Steven L. Abrams, Mayor
Priscilla A. Taylor, Vice Mayor
Hal R. Valeche
Paulette Burdick
Shelley Vana
Mary Lou Berger
Jess R. Santamaria

County Administrator
Robert Weisman
Deputy County Administrator
Verdenia C. Baker


Allen F. Gray, Manager

11/15/2013



ATTACHMENT - F

SCHEDULE 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONTRACTOR

PROJECT NO. WUD 17-011

PROJECT NAME: East Central Regional Water Reclamation Facility - Reclaimed Water Facility Improvements - Phase 2

TO: Globaltech, Inc.
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a(n) - (check one or more, as applicable):

Small Business Enterprise X Minority Business Enterprise _____

Black _____ Hispanic X Women _____ Caucasian X Other (Please Specify) _____

Date of Palm Beach County Certification: October 17, 2015

The undersigned is prepared to perform the following described work in connection with the above project **(Specify in detail, particular work items or parts thereof to be performed):**

Line Item/Lot No.	Item Description	Qty / Units	Unit Price	Total Price
<u>1</u>	<u>Electrical Engineering</u>	<u>1</u>	<u>N/A</u>	<u>\$ 19,470.17</u>

at the following price:

\$19,470.17 (Nineteen thousand four hundred seventy dollars and seventeen cents)
(Subcontractor's quote)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subcontractor, the amount of any such subcontract must be stated: NONE.

The undersigned subcontractor understands that the provision of this form to prime bidder does not prevent subcontractor from providing quotations to other bidders

Hillers Electrical Engineering, Inc.
(Print Name of SBE-M/WBE Subcontractor)

By: 
(Signature)

Paul Hillers, P.E. / President
(Print name/title of person executing on behalf of SBE-M/WBE Subcontractor)

Date: December 8th, 2016

**Palm Beach County
Office of Small Business Assistance**

Certifies That

HILLERS ELECTRICAL ENGINEERING, INC.

Vendor # HILL0026

*Is a Small Business Enterprise as prescribed by section 2-80.21 – 2-80.35 of the Palm Beach
County Code for a three year period from October 17, 2015 to October 16, 2018*

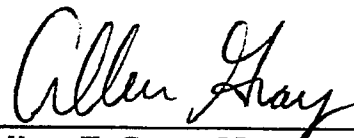
The following Services and/or Products are covered under this certification:

ELECTRICAL ENGINEERING SERVICES

Palm Beach County Board of County Commissioners

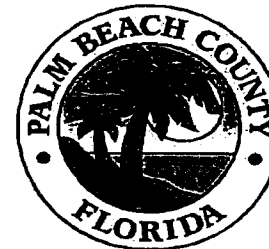
Shelley Vana, Mayor
Mary Lou Berger, Vice Mayor
Hal R. Valeche
Paulette Burdick
Steven L. Abrams
Melissa McKinlay
Priscilla A. Taylor

County Administrator
Verdenia Baker



Allen F. Gray, Manager

10/14/2018



ATTACHMENT - F

SCHEDULE 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONTRACTOR

PROJECT NO. WUD 17-011

PROJECT NAME East Central Regional Water Reclamation Facility - Reclaimed Water Facility Improvements - Phase 2

TO: Globaltech, Inc.
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a(n) – (check one or more, as applicable):

Small Business Enterprise Minority Business Enterprise

Black Hispanic Women Caucasian Other (Please Specify)

Date of Palm Beach County Certification: August 18, 2014

The undersigned is prepared to perform the following described work in connection with the above project (Specify in detail, particular work items or parts thereof to be performed):

Line Item/Lot No.	Item Description	Qty / Units	Unit Price	Total Price
1	Utility Location Services	1	N/A	1,800.00

at the following price:

\$ 1,800.00 (One thousand eight hundred dollars and no cents)
(Subcontractor's quote)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subcontractor, the amount of any such subcontract must be stated: NONE.

The undersigned subcontractor understands that the provision of this form to prime bidder does not prevent subcontractor from providing quotations to other bidders

Ground Hound Detection Services, Inc.
(Print Name of SBE-M/WBE Subcontractor)

By: [Signature]
(Signature)

Sean Halsey
(Print name/title of person executing on behalf of SBE-M/WBE Subcontractor)

Date: December 8th, 2016

**Palm Beach County
Office of Small Business Assistance**

Certifies That

Ground Hound Detection Services, Inc.

VENDOR # VC0000016424

*is a Small Business Enterprise as prescribed by Section 2-80.21– 2-80.35 of the Palm Beach
County Code for a three year period from August 18, 2014 to August 17, 2017.*

The following Services and/or Products are covered under this certification:

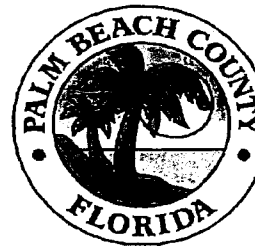
Utility Locator Service (Underground)

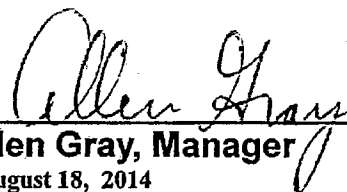
Palm Beach County Board of County Commissioners

Priscilla A. Taylor, Mayor
Paulette Burdick, Vice Mayor
Val R. Valeche
Shelley Vana
Steven L. Abrams
Mary Lou Berger
Jess R. Santamaria

County Administrator

Robert Weisman
Deputy County Administrator
Verdenia C. Baker




Allen Gray, Manager
August 18, 2014

ATTACHMENT - F

SCHEDULE 2

LETTER OF INTENT TO PERFORM AS AN SBE OR M/WBE SUBCONTRACTOR

PROJECT NO. WUD 17-011

PROJECT NAME East Central Regional Water Reclamation Facility - Reclaimed Water Facility Improvements - Phase 1

TO: Globaltech, Inc.
(Name of Prime Bidder)

The undersigned is certified by Palm Beach County as a(n) - (check one or more, as applicable):

Small Business Enterprise Minority Business Enterprise

Black Hispanic Women Caucasian Other (Please Specify)

Date of Palm Beach County Certification: September 4, 2015

The undersigned is prepared to perform the following described work in connection with the above project (Specify in detail, particular work items or parts thereof to be performed):

Line Item/Lot No.	Item Description	Qty / Units	Unit Price	Total Price
<u>1</u>	<u>Electrical Subcontracting</u>	<u>1</u>	<u>N/A</u>	<u>\$ 160,121.00</u>

at the following price:

\$ 160,121.00 (One hundred sixty thousand one hundred twenty one dollars and no cents)
(Subcontractor's quote)

and will enter into a formal agreement for work with you conditioned upon your execution of a contract with Palm Beach County.

If undersigned intends to sub-subcontract any portion of this subcontract to a non-certified SBE subcontractor, the amount of any such subcontract must be stated: NONE.

The undersigned subcontractor understands that the provision of this form to prime bidder does not prevent subcontractor from providing quotations to other bidders

Energy Efficient Electric, Inc.
(Print Name of SBE-M/WBE Subcontractor)

By: 
(Signature)

Rene Viau / Vice President
(Print name/title of person executing on behalf of SBE-M/WBE Subcontractor)

Date: December 8th, 2016

**Palm Beach County
Office of Small Business Assistance**

Certifies That

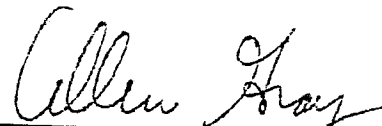
ENERGY EFFICIENT ELECTRIC, INC.

Vendor # VC0000130772

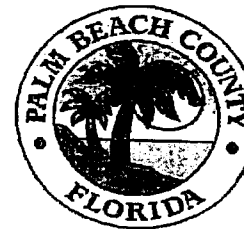
*Is a Small Business Enterprise as prescribed by section 2-80.21 – 2-80.35 of the Palm Beach
County Code for a three year period from September 4, 2015 to September 3, 2018*

The following Services and/or Products are covered under this certification:

**ELECTRICAL (NEW CONSTRUCTION);
WIRING AND OTHER ELECTRICAL MAINTENANCE AND REPAIR SERVICES.**


Allen F. Gray, Manager

8/12/2015



Palm Beach County Board of County Commissioners

Shelley Vana, Mayor
Mary Lou Berger, Vice Mayor
Hal R. Valeche
Paulette Burdick
Steven L. Abrams
Melissa McKinlay
Priscilla A. Taylor

County Administrator
Robert Weisman
Deputy County Administrator
Verdenia C. Baker

ATTACHMENT - G

AUTHORIZATION STATUS REPORT December 6, 2016

SUMMARY AND STATUS OF AUTHORIZATIONS

Auth. No.	Description	Status	Project Total Amount	Date Approved	WUD No. Assigned	Globaltech Project No.
WORK AUTHORIZATIONS						
WA-1	WTP 11 Degasifier Cleaning System	Approved	\$1,051,189.81	4/21/15	WUD 14-073	
WA-1.1	WTP 11 Degasifier and Clearwell Improvements Supplement 1	Approved	\$135,714.04	2/09/16	WUD 14-073	
WA-1.2	WTP 11 Degasifier and Clearwell Improvements Supplement 2	Approved	\$16,333.64	5/17/16	WUD 14-073	
WA-1.3	WTP 11 Degasifier and Clearwell Improvements Supplement 3	Approved	\$0.00	8/17/16	WUD 14-073	
WA-2	WRWWTF Power Improvements - Phase 1	Approved	\$598,998.02	9/01/15	WUD 14-050	
WA-2.1	WRWWTF - Alternative Power Improvements Phase 2 - Supplement 1	Approved	\$212,499.48	5/17/16	WUD 14-050	
WA-3	Improvement to the Pahokee 0.5 MG Elevated Water Storage Tank	Approved	\$504,301.41	9/01/15	WUD 15-073	
WA-3.1	Improvement to the Pahokee 0.5 MG Elevated Water Storage Tank - Supplement 1	Approved	\$59,844.24	6/22/16	WUD 15-073	
WA-3.2	Improvement to the Pahokee 0.5 MG Elevated Water Storage Tank - Supplement 2	Pending	\$0.00		WUD 15-073	
WA - 4	WTP 9 - Permeate Flush	Pending	\$0.00			
WA - 5	WTP 3 - Chemical Improvements	Approved	\$658,262.64	7/11/16	WUD 16-054	
WA - 6	WTP 11 - Odor Control Improvements	Approved	\$1,536,373.00	7/11/16	WUD 16-057	
WA - 7	WTP 11 - Phase II WTP Improvements	Approved	\$1,965,625.00	9/13/16	WUD 16-058	
WA - 8	ECRWRF Reclaimed Water Facility Improvements - Phase 1	Approved	\$1,490,603.00	9/13/16	WUD 16-056	
WA - 9	SRWRF - Safety Improvements	Approved	\$747,650.00	9/27/16	WUD 16-055	
WA - 10	ECRWRF Reclaimed Water Facility Improvements - Phase 2	Pending	\$0.00		WUD 17-011	
Total WAs			\$8,977,394.28			

ATTACHMENT - H

AUTHORIZATION STATUS REPORT OPTIMIZATION AND IMPROVEMENTS DESIGN-BUILD CONTRACT

SUMMARY of SBE / M/WBE TRACKING

WUD 17-011 East Central Regional Water Reclamation Facility - Reclaimed Water Facility Improvements Phase 2

	Total
Current Proposal	
Value of Work Authorization	\$1,247,150.76
Value of SBE Minority Letter of Intent	\$1,244,650.76
Actual Percentages	99.79%
Signed / Approved Authorizations	
Total Value of Approved Work Authorization	\$8,977,394.28
Total Value of SBE Signed Subcontracts	\$8,570,988.08
Actual Percentages	95.47%
Signed Authorizations Plus Current Proposal	
Total Value of Approved WAs Plus Current WA Proposal	\$10,224,545.04
Total Value of SBE Subcontracts and Letters of Intent	\$9,815,638.84
Actual Percentages	96.00%
GOAL	75%



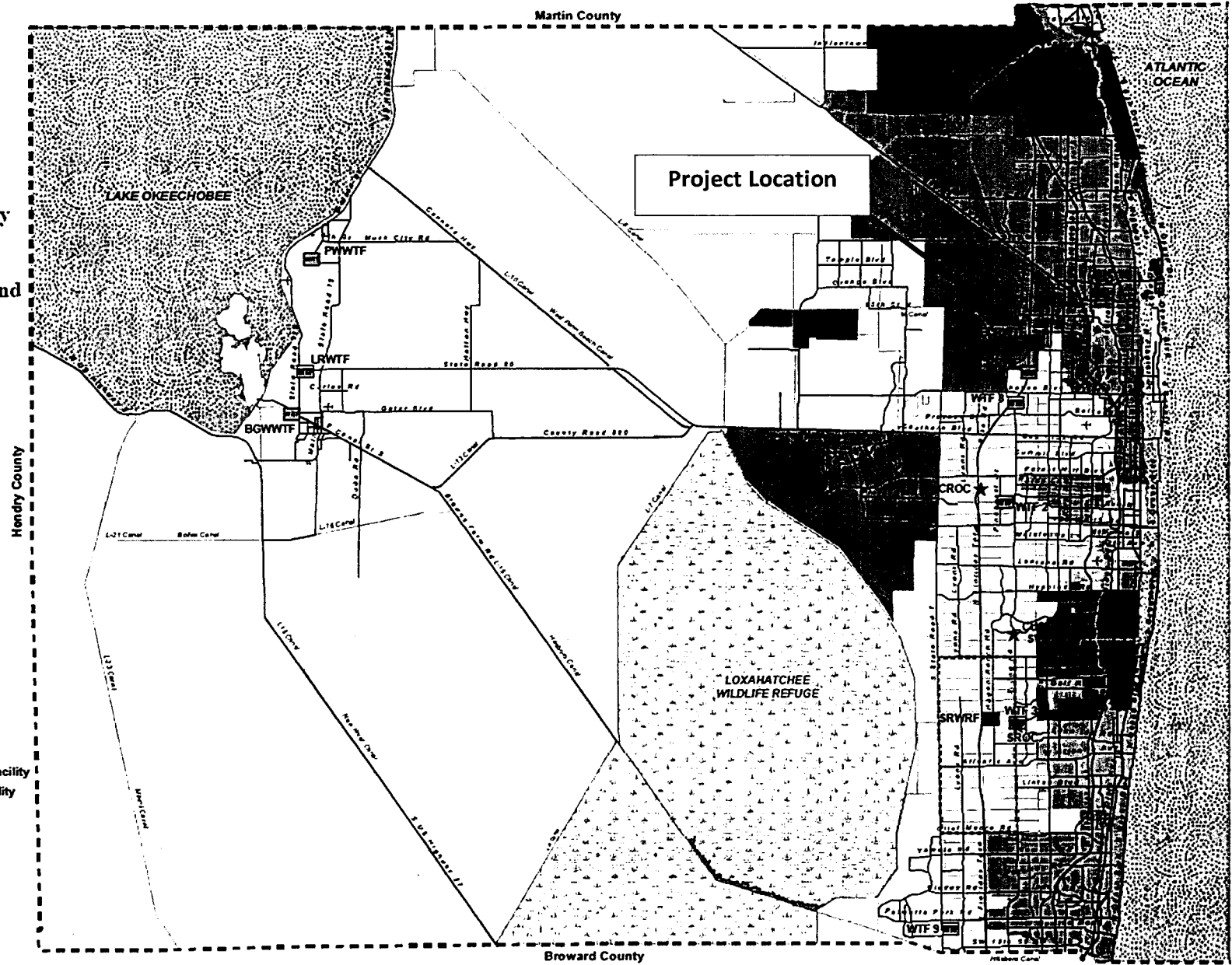
Palm Beach County
Water Utilities
Department
Service Area (SA) and
Major Facilities

Legend

- ★ Administration
- Water Treatment Facility
- Reclamation Facility
- Wastewater Reclamation Facility
- Wastewater Treatment Facility
- Mandatory Reclaimed SA
- - - - - Palm Beach County Limits
- - - - - P.B.C.W.U.D. Service Area



NOT TO SCALE

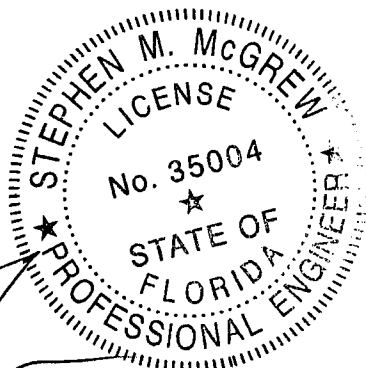
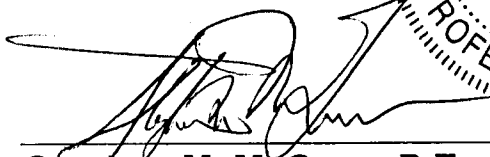


WUD 17-011: East Central Regional Water Reclamation Facility
Reclaimed Water Facility Improvements – Phase 2

ATTACHMENT - J

Design – Build Criteria Report

**Design-Build Criteria
East Central Regional Water Reclamation Facility
Reclaimed Water Facility Improvements – Phase 2
Project No. WUD 17-011**



A circular professional engineer seal for Stephen M. McGrew, License No. 35004, State of Florida. The seal contains the text: "STEPHEN M. MCGREW", "LICENSE", "No. 35004", "STATE OF FLORIDA", and "PROFESSIONAL ENGINEER".

12/12/2016

**Stephen M. McGrew, P.E.,
Palm Beach County Water Utilities
8100 Forest Hill Blvd.
West Palm Beach, FL 33413**

Date

Design-Build Criteria
East Central Regional Water Reclamation Facility
Reclaimed Water Facility Improvements – Phase 2
Project No. WUD 16-056

PART 1 GENERAL REQUIREMENTS

1.1 Overview Information:

- 1.1.1. Location: East Central Water Reclamation Facility (ECRWF), 4334 Easley Drive, West Palm Beach, FL 33417, PCN 74-42-43-11-01-0350-000.
- 1.1.2. Survey information concerning the site: Owner will provide recent survey from ECRWF (WUD 13-061). Refer to Section 1.5 Site elevations, Lines, and Grades for Design-Build Entity requirements.
- 1.1.3. Interior space requirements: This project is related to equipment in existing buildings.
- 1.1.4. Material quality standards: Adhere to current version of Palm Beach County Water Utility Department (PBCWUD) Minimum Design Standards and Approved Material List and City of West Palm Beach Standard Engineering Details.
- 1.1.5. Schematic layouts: none
- 1.1.6. Cost or budget estimates: \$1,250,000.00
- 1.1.7. Design and construction milestones:
 - 1.1.7.1. Shut Down and Scheduling Meeting 30 days after receipt of executed Work Authorization and notice to proceed with design.
 - 1.1.7.2. 60% Design Completion 100 days after receipt of executed Work Authorization and notice to proceed with design. Procurement of large lead time equipment shall start after 60% design.
 - 1.1.7.3. 100% Design Completion 160 days after receipt of executed Work Authorization and notice to proceed with design.

- 1.1.7.4. Substantial Construction Completion 365 Calendar Days after receipt of executed Work Authorization and notice to proceed with construction.
- 1.1.7.5. Final Construction Completion 60 Calendar Days after Substantial Construction Completion.
- 1.1.7.6. Liquidated damages for design and construction will apply as follows:
 - 1) \$1,000 per day past substantial completion date.
 - 2) \$500 per day past final completion date.
- 1.1.8. The following items must be complete (at a minimum) to achieve substantial completion:
 - 1.1.8.1. Existing systems in place and operating as intended.
 - 1.1.8.2. Commissioning and Testing of all new equipment completed.
 - 1.1.8.3. O&M Manuals have been delivered to the Owner and equipment training is completed.
 - 1.1.8.4. PLC programming work complete including HMI SCADA screens on IFIX.
 - 1.1.8.5. Release of applicable permits required to operate the facility.
- 1.1.9. Site development requirements: Not Applicable.
- 1.1.10. Provisions for utilities: Refer to Sections 1.3 Utilities and 1.7 Underground Utilities for Design-Build Entity requirements.
- 1.1.11. Storm water retention and disposal: Provide siltation barriers for all existing storm drainage catch basins impacted by construction activities.
- 1.1.12. Parking requirements: Parking will be limited to the South side of the ECRWRF at the location of the reclaimed water facilities except for meetings at the ECRWRF office. 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.
- 1.1.13. Staging Area: Staging areas will be east of the storage tank.
- 1.1.14. Coordination: Design-Build Entity will need to coordinate its work activities with the Owner and other construction contractors performing work activities at this facility.

- 1.1.15. Security: Comply with ECRWRF Security Requirements and utilize the main gate for entry and exit.
- 1.1.16. A shutdown plan, developed in conjunction with the OWNER must be prepared by the Design-Build Entity for any planned plant or process shutdowns shall be submitted to the Owner for review and approval at least 30 days prior to commencing any of these work activities.
- 1.1.17. Reference Documents: The following documents shall be used to develop signed and sealed Construction Documents.
 - 1.1.14.1. Palm Beach County Water Utility Department (PBCWUD) General Electrical Design Requirements
 - 1.1.14.2. Palm Beach County Water Utility Department (PBCWUD) Minimum Design Standards
 - 1.1.14.3. Palm Beach County Water Utility Department (PBCWUD) Approved Materials List
 - 1.1.14.4. City of West Palm Beach Engineering Standard Details
- 1.1.18.1 Bonds and Insurance comply with the requirements of the Interlocal Agreement (R2016-0374).

1.2 Summary of Work

- 1.2.18 The proposed work to be performed by the Design-Build Entity generally includes items from the Interlocal Agreement R2016-0374:
 - 1.2.1.1 Replace sluice gates at the discharge of the flash mix tanks to the flocculation tanks.
 - 1.2.1.2 Reclaimed Water High Service Pump No. 5. Furnish and install 600 Hp variable frequency drive (VFD) including all electrical interconnection, vibration monitoring and alarms and PLC programming. Furnish and install pump can and piping for suction and discharge underground and above ground piping. Install Owner furnished pump provided by ECRWRF.
 - 1.2.1.4 Furnish and install new chlorine Seepex pumps, complete with appropriate piping and electrical installations for a functional system.
 - 1.2.1.5 Replace or repair reclaimed water check valve dampeners.
 - 1,2,1,6 Upgrade alarming protocol for high levels to prevent overflows in filter, backwash holding tank, process lift station and storage tank.
 - 1.2.1.8 To prevent overflows in the reclaimed filter building interior process area and the control building disconnect gravity sewer lateral from to process lift station and furnish and install two (2) grinder pump stations.
 - 1.2.1.9 Furnish and install Hach turbidity monitoring instrumentation at the FPL Reclaimed West County Energy Center and connect to SCADA.

The Design-Build Criteria for the proposed work to be performed is further described below.

1.3 Design-Build Criteria

1.3.1 The following design criteria shall be used:

- 1.3.1.1 The existing aluminum slide gates and frames have corroded due to contact with the wastewater secondary eluent and will be replaced with 316 SS gates and frames which will have an increased lifespan. Replace the existing aluminum slide gates and frames FMX-SG-001 and FMX-SG-002 at the discharge of the flash mix tanks to the flocculation tanks shown on the attached sheets P2.1 and P2.2 of the record drawings. The new sluice gates and frames shall be 316 SS and the Design-Build Entity shall provide all necessary fasteners, couplings and accessories which shall be 316 SS or similar corrosion resistant material. The sluice gate stems and operators shall be refurbished or replaced as necessary to restore full functionality of these gates including start-up and testing services.
- 1.3.1.2 Reclaimed Water High Service Pump No. 5 shown on the attached sheets P7.1 and P7.2. Furnish and install 600 Hp variable frequency drive (VFD) including all electrical, vibration monitoring and alarms and PLC programming and HMI SCADA screen modifications. The VFD shall be Eaton or approved equal. Provide arc flash labels on VFD and MCC in accordance with the latest electrical code. Furnish and install pump can with concrete encasement in accordance with the pump manufacturers requirements. The pump maybe installed on either end of the suction manifold and shall be chosen by the Design-Build Entity. Relocate existing piping and appurtenances as necessary. Furnish and install ductile iron suction and discharge piping per attached specification 15062. Provide check valve, air release valves etc. to match adjacent high service pumps 1 to 4. The above ground piping shall be painted to match existing color "Pantone 522C purple". The piping materials of construction and installation shall be suitable for static and dynamic pressures the thrust forces from operating and surge pressure conditions. Provide all necessary electrical and instrumentation conduits, cables and wiring and manholes with covers. Provide all necessary I/O cards and modify loop diagrams. Install Owner furnished pump and motor provided by ECRWRF and provide startup and testing.
- 1.3.1.3 Furnish and install five (5) new chlorine Seepex pumps and replace the existing hose pumps on attached sheet P9.1. Modify and/or provide new piping, supports, appurtenances and electrical as necessary for a complete installation. Provide start-up and testing. Provide all necessary

local and remote instrumentation, PLC programming and HMI SCADA screen modifications.

- 1.3.1.4 Replace or repair reclaimed water check valve dampeners on the existing four (4) high service 600 Hp pumps in accordance with the manufacturers guidelines. This item may be deleted and credit provided to the Owner if this work is done by ECRWRF staff.
- 1.3.1.5 Review and upgrade alarming protocol for high levels to prevent overflows in filter, backwash holding tank, process lift station and storage tank. Verify that the existing alarms are adequate or update the instrumentation, HMI SCADA and PLC logic. Provide audible and visible alarm if there is not currently one.
- 1.3.1.6 To prevent overflows in the reclaimed filter building interior process area and the office and storage building disconnect gravity sewer laterals from to process lift station and furnish and install two (2) E/One grinder pump stations or approved equal with connecting sewer laterals, discharge force mains. The attached Mathews drawings (7 sheets) show the office and storage building and similar design shall be used for the reclaimed filter building. Provide all necessary electrical and instrumentation. Provide all testing and startup.
- 1.3.1.7 Furnish and install Hach turbidity monitoring instrumentation at the FPL Reclaimed West County Energy Center and connect to SCADA.
- 1.3.1.8 Retrieve and reinstall both flocculation basin impellers (FLOC-MX-1 & FLOC-MX-2). Provide all the required machining and replacement hardware to recouple the impeller driveshaft to the drive gearbox.
- 1.3.2 Prior to substantial completion transfer warranty and Operation & Maintenance Manuals to the County and conduct training. Update the Reclaimed Water Facility Operations and Maintenance Manuals for the new and revised process equipment and piping.

1.4 Owner Furnished Equipment

- 1.4.1. The 600 Hp pump and motor shall be provided by ECRWRF.

1.5 Permits and Fees

It shall be the Design-Build Entity's responsibility to secure all permits required to complete the work under this contract including and not limited to the City of West Palm Beach building and FDEP permits. The Design-Build Entity shall be responsible for all inspections and requirements to close-out the completed

permits. The Owner shall 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 Design-Build Entity shall notify the County of the permit fees and allow three (3) weeks for a check for the permit fee(s) to be issued to the Design-Build Entity.

1.6 Utility Services

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.

1.7 Tests

The Design-Build Entity shall pay for all required tests. Labor, equipment and consumables for tests and testing shall be the responsibility of the Design-Build Entity. Water required for pressure/leakage tests shall be furnished by the Owner.

1.8 Site elevations, Lines, and Grades

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.

1.9 Work Area

The Design-Build Entity shall confine his activities to the site(s) designated by Owner for the work or staging areas for materials storage. 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.

The Design-Build Entity shall protect their work. When required to complete the work, the Design-Build Entity shall maintain of suitable lighting to maintain a safe working environment. Work performed outside of the established working hours requires the permission from the owner. The Design-Build Entity shall also comply with all laws or ordinances covering the protection of such work and the safety measures to be employed therein. The Design-Build Entity shall carry out his work so as not to deny access to private property. All utility access manholes, valves, and fire hydrants shall be kept accessible at all times. 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 is responsible for the security of their work, equipment, and material at all times.

1.10 Underground Utilities

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 in order that necessary changes may be made. Where fences, walls, or other man made obstructions exist illegally in the public right-of-way, the Owner will have them removed upon adequate prior notice by the Design-Build Entity.

The Design-Build Entity shall notify "SUNSHINE STATE" at 1 (800)-432 4770 at least forty-eight (48) hours prior to performing any excavating activities. Evidence of such notice shall be furnished to the Owner prior to excavating. Design-Build Entity is responsible for all utility locates within the project site and will provide an independent locate service for all PBC WUD buried pipelines and electrical.

Design of all underground water, wastewater, and reclaimed water shall comply with the Palm Beach County Water Utilities Minimum Engineering Standards (latest edition), City of West Palm Beach Engineering Standard Details, General Electrical Design Requirements, Palm Beach County Wellfield Protection Ordinance, Environmental Control Rule 1 (wastewater), Environmental Control Rule II (water), and applicable provisions of the Florida Administrative Code.

1.11 Maintenance of Operations

The Design-Build Entity's activities or any partial plant shutdowns shall minimize disruption to the treatment facilities and conveyance systems. 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 existing valves, gates and equipment shall be performed by Owner.

1.12 Plant Shutdowns

Owner shall approve all shutdowns. If, in the opinion of 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 Owner. Owner shall be provided a minimum of 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. All shutdowns must be coordinated with Florida Power & Light, ECRWRF and PBCWUD.

A shutdown work plan shall be prepared by the Design-Build Entity and submitted to the Owner for review 7 calendar days prior to the start of the shutdown event. The shutdown work plan shall include descriptions of the following at a minimum:

- Facilities to be shutdown,
- Duration of shutdown,
- Work to be conducted during shutdown (work sequence and activity descriptions),
- Special requirements and constraints (night work, temporary works, confined space etc.),
- Startup sequencing for facilities that have been shut down.

1.13 Project Coordination

Design-Build Entity shall be solely responsible for coordination of all of the proposed work. He 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 ensure 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 representative of his organization at the site at all time during performance of the work who may be reached at any time while work is in progress.

1.14 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.

1.14.1 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
- 90 percent submittal
- Issue for Construction submittal
- Each required permitting submittal

1.14.2 Construction Schedules

The basics of the construction schedule submittals are outlined below.

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

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 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).

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. Specific schedules (e.g., 90 days to Completion, 4-week look-ahead) shall be provided.

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
- Substantial Completion
- Commissioning Startup and Performance Testing
- Final Completion

1.14.3 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.

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, chemicals, 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 shall 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 shall assume responsibility for operation of the equipment upon completion of start-up and placing equipment in 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 inspect for cleanliness, and clean and remove all foreign materials, verify alignment, replace defective bearings and those, which run rough or noisy, and grease as necessary in accordance with manufacturer's recommendations.
- 2.2.3. After system has been placed in operation the Design-Build Entity shall clean strainers, drives, pockets, orifices, valve seats and headers in fluid system to assure freedom from foreign materials. He shall remove rust, scale and foreign materials from equipment and renew defaced surfaces. All visible leakage shall be repaired.

- 2.2.4. The Design-Build Entity shall vent gasses trapped in any part of systems and verify that liquids are drained from all parts of gas or air systems.
- 2.2.5. The Design-Build Entity shall adjust tension in V-belt drives, and adjust varipitch sheaves and drives for proper equipment speed, adjust drives for alignment of sheaves and V-belts, and clean and remove foreign materials before starting operation.
- 2.2.6. The Design-Build Entity shall check each motor for comparison to amperage nameplate value and correct conditions which produce excessive current flow and exist due to equipment malfunction.
- 2.2.7. The Design-Build Entity shall check glands and seals for cleanliness and 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.
- 2.2.8. The Design-Build Entity shall inspect both hand and automatic control valves, clean bonnets and stems; tighten packing glands to assure no leakage, but permit valve stems to operate without galling; replace packing on any valve that continues to leak; remove and repair bonnets that leak; and coat packing gland threads and valve stems with a surface preparation of "Moly-Cote" or "Fel-Pro" after cleaning. The Design-Build Entity shall verify that control valve seats are free from foreign material and are properly positioned for intended service.
- 2.2.9. 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 equipment from the applicable equipment supplier/manufacture. 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 O&M Manual.

2.4. Instruction of Operations and Maintenance Personnel

Training shall be provided prior to turning over the operation of the new equipment to the Owner. No system, unit process or any piece of equipment shall be started up for continuous operation without the approved operation and maintenance manuals being turned over to the Owner.

Design-Build Entity shall provide services of manufacturer's operation and maintenance training specialists to instruct Owner's personnel in recommended operation and maintenance procedures for products and equipment. Manufacturer's representative shall provide a combination of classroom and field training activities. All training shall be conducted at the site, unless otherwise stated in the Specifications. Owner reserves the right to videotape training sessions.

Training of Owner's personnel shall commence only after acceptable preliminary operation and maintenance data has been provided and, equipment has been started and placed into operation, equipment and system startup and performance testing has been completed. The Design-Build Entity shall provide written documentation and checklists outlining important training items, and provide spreadsheets needed to document new processes for input by operators.

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 (See Summary of Work)

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 written consent of 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. Written documentation shall be provided indicating compliance with Florida Trench Safety Act.

All remaining spoil piles shall be removed from site.

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.

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.

The use of explosives will not be permitted.

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.

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.

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 to prevent galling. All anchor bolts shall be 316 stainless steel. Stanchions, pipe supports, equipment bases, braces, unistrut and straps shall be 316 stainless steel 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 final sizing and selection of all equipment, pipe, 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.

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; and
- Signed and sealed calculations for pipe support systems.

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, which 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 coated aluminum 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.

3.8.6. Raceway Systems

Design-Build Entity shall furnish and install conduit and fittings to form complete, coordinated and grounded raceway systems. Design-Build Entity shall provide for the proper installation of all conduits for each system.

- 3.8.6.1. PVC coated rigid aluminum conduit for exposed indoor conduit runs in non-corrosive areas and PVC coated rigid aluminum at all other sites.
- 3.8.6.2. PVC Schedule 80 for individual conduit runs direct 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).
- 3.8.6.4. PVC schedule 80 conduit for exposed indoor and outdoor runs in corrosive areas.
- 3.8.6.5. Flexible conduit for connections 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. Test after cables are installed and before they are put in service with a Megger whose rating is suitable for the tested circuit. 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 O&M 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.

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 startup 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 the testing during system checkout and startup. 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 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. Utility Locate Plan
- 4.1.2. Demolition Plan
- 4.1.3. Shutdown Plan
- 4.1.4. Commission Plan for startup and testing activities
- 4.1.5. 60% Drawings and Calculations

- 4.1.6. 90% Drawings and Calculations
- 4.1.7. Shop Drawings
- 4.1.8. O&M Manual
 - 4.1.10.1. Certificate of Proper Installation (COPI)
 - 4.1.10.2. Testing reports (e.g. megger testing)
- 4.1.9. Spare Parts and Tools
- 4.1.10. Schedules
 - 4.1.15.1. Baseline Schedule
 - 4.1.15.2. Initial 30-day Plan of Operation
 - 4.1.15.3. Four week Look Ahead Schedules
 - 4.1.15.4. Minimum monthly schedule updates
 - 4.1.15.5. 90-days to Completion Schedule
- 4.1.11. Permits
- 4.1.12. Warranty

ATTACHMENT - K

Vendor Quotes

H E E

HILLERS ELECTRICAL ENGINEERING, INC.

December 9, 2016

Paul Gandy, P.E.
Globaltech, Inc.
6001 Broken Sound Parkway
Suite 610
Boca Raton, Florida 33487

Subject: ECR Reclaim Facility Improvements Phase II

Dear Paul,

Hillers Electrical Engineering, Inc. (HEE) is pleased to provide Globaltech, Inc. a proposal for the electrical and instrumentation design and construction services for the above referenced subject. Our project scope consists of the following:

- Site Visit and Field Data Collection
- 60%, 90% and 100% Design Phase Drawings and Specifications
- Attend Design Review Meeting and provide responses to comments
- Building Depart Permitting Service and incorporate into the Construction documents
- Construction services include shop drawing review, RFI's and field change directives, periodic site visits, field inspections, start-up, and testing, etc.
- Record Drawings

Our proposed electrical and instrumentation design and construction services lump-sum fee is \$ 28,412.47. See below for the breakdown fee.

Site Visit – Collect Data:	\$1,500.00
60% Electrical and I&C Design:	\$2,500.00
90% and Permit Assistance:	\$1,000.00
100% Electrical and I&C Design:	\$1,321.00
<u>Construction Services (E/I&C):</u>	<u>\$13,149.17</u>
Total Fee:	\$19,470.17

HEE wishes to thank Globaltech, Inc. for the opportunity to provide this proposal. Please do not hesitate to call me if you have any questions regarding this proposal or any other matter.

Sincerely,



Thein Win, P.E., LEED AP
GT90-ECRWRF-PhaseII



A Professional Utility Locating Service

February 23, 2016

Mr. Rick Olson
Globaltech
6001 Broken Sound Pkway
Suite 610
Boca Raton, FL 33487
rolson@globaltechdb.com

Re: "PBC WTP No. 3- 13026 Jog Road, Delray Beach"

Mr. Schuman,

Ground Hound Detection Services, Inc. (GHD) is pleased to provide the following proposal for utility locating services. Electromagnetic induction (EM) and Ground Penetrating Radar (GPR) methods will be used to identify any detectable utilities within to be determined areas on an as needed basis.

DESCRIPTION OF SERVICES:

Ground Penetrating Radar (GPR) method transmits electromagnetic waves, which are pulsed at discrete distance/time intervals. The transmitted pulse radiates through the earth whereby a portion of the energy is reflected from interfaces of contrasting electrical properties (e.g. pavement and soil interface, soil stratigraphic changes and buried metallic and nonmetallic objects) while the remaining energy continues until reaching additional reflectors where the process is repeated. Reflected energy is received by the antennae and recorded for later processing and interpretation. Factors such as soil moisture, clay content, and variations in the dielectric constants of materials control the effectiveness of the GPR method. Wet conductive soils severely attenuate GPR signals and thus the effective depth of exploration. The presence of foreign product leached into the soil can eschew the data collected. GPR energy cannot transmit through ferrous objects since metal acts as a pure reflector. GPR energy cannot transmit through ferrous objects since metal acts as a pure reflector. Freshly-poured concrete (less than 60 days), concrete containing metal fibers, fine-mesh screenings beneath tile, Styrofoam between floor or roof slabs can inhibit the effective permeability and accuracy of GPR. In order to accurately conduct a radar survey, orthogonal scans must be made across the target area. Confined or obstructed areas that restrict an even scanning pattern can impede the data collected and reduce the accuracy of the final results. GPR does not measure diameter of objects, just their location(s).

Electromagnetic induction is a method in which a transmitter signal is applied by directly coupling to a target. As long as the target is metallic, a receiver is used to detect the transmitted signal. Passive detection is another technique used to locate naturally occurring magnetic fields that exist on power cables generating a 50/60 Hz signal. Additionally, passive VLF signals can be detected on other metallic utilities that are typically long in length and are well grounded electrically.

2930 NW Commerce Park Dr. Suite 1 Boynton Beach, FL 33424-4736
PHONE: (561)737.9800 FAX: (561)737.1742 WEB: www.groundhound.com EMAIL: info@groundhound.com

Locating underground utilities is not an exact science. Therefore, Ground Hound Detection Services, Inc. (GHD) expresses no guarantees that using one or any of the available technologies for identifying utilities/structures will identify all utilities/structures and/or meet the objective of this or any individual project. Globaltech understands that limitations within the available technology, the complexity of site conditions and circumstances beyond the control of GHD may limit the performance/results of the GHD's services. Project Owners, Globaltech and any of its Subcontractors shall hold harmless and indemnify GHD against any and all losses as a result of inability to locate or mislocate due to limitations within the available technology, the complexity of site conditions and circumstances beyond its control, but not against negligence on the part of GHD or its employees. The services provided by GHD shall be performed in accordance with generally accepted professional practices as related to the nature of services performed. Payment to GHD shall not be contingent upon its performance or results due to any limiting condition as described. Hand digging is required in all situations when excavating within 24" of GHD's markings. If any legal action or other proceeding is brought for the enforcement of this contract, or because of an alleged dispute, breach, default or misrepresentation in connection with any provisions of this Contract, the successful or prevailing party or parties shall be entitled to recover reasonable attorney's fees, expenses and court costs, including appellate fees incurred in the action or proceeding, in addition to any other relief to which such party or parties may be entitled.

This proposal constitutes the entire agreement between the parties. The agreement may not be altered, modified or conditioned in any respect without the prior written consent of all parties. Documents such as but not limited to "change orders", "purchase orders", sub-contract agreements, and statements of terms and conditions of work shall require prior written acceptance by GHD to be binding. Payment to GHD for work performed pursuant to this proposal shall not be contingent upon GHD's consent to any proposed alteration, modification or condition to the agreement.

CONDITIONS: Locating underground utilities for design/pre-excavation:

- Utility locations are being provided in an attempt to prevent or reduce the likelihood of damage during excavation and /or provide design information.
- Areas to be investigated must be level and free of obstructions. EM and GPR discovery may be limited up to 24" within any vertical impediment, structure or otherwise.
- Results are dependent upon field conditions at the time of locating services.
- GHD's inability to complete the project due to delays, conditions outside GHD's control does not void this contract.
- If GHD is to produce an AutoCAD drawing (optional, additional fee), customer is responsible for providing an electronic AutoCAD file for GHD to record its discoveries. If a file is not available, additional costs and time to produce the drawing are likely.
- Drawings produced by GHD (optional, additional fee) are not considered to be "survey grade" drawings. GHD will include dimensions from a fixed feature in the field/drawing to the horizontal position of the target being depicted. Drawings are not prepared by a licensed Engineer, Surveyor or Draftsman. In addition, drawings are not prepared to any State survey or drafting standard.
- APWA color marking standards will be used whenever possible.
- GHD is not responsible for, moved, altered, obliterated or maintaining marks. GHD will impose an additional fee to relocate/remark facilities.
- If underground facilities are damaged, whether marked by GHD or not, it is your obligation to notify a representative of GHD immediately at the time of damage.
- GHD is not a substitute for Chapter 556 of the FL State Statute (Underground Facility Damage Prevention and Safety Act). Prior to project construction, excavating contractor is responsible for securing locations of public utilities through Sunshine State One Call of Florida (Phone # 811).
- Any available as-builts, engineered or other record drawings with regards to any utilities within the project limits shall be made available to GHD for its review prior to commencement of field work.
- The performance of GHD's services is limited to full and unobstructed access to include but not limited to: mechanical rooms, manholes, hand holes, vaults, meter rooms, telecom rooms, fixtures (plumbing, electrical, communication), dispensers, fenced compounds, tanks and structures. Full cooperation from the on site personnel is necessary to perform a complete survey.

Page Three
Mr. Rick Olson
April 22, 2016

COST ESTIMATE:

Electromagnetic, GPR Investigation

- Perform/verify horizontal locations of existing detectable utilities using EM & GPR techniques.
- Mark selected targets on the ground surface as necessary.
- Review all site discoveries with on site personnel.

EM & GPR Investigation

\$1,800.00/ day*

**Price based on \$225/ hour with a four hour minimum.*

The above cost is effective for 30 days from the date of this proposal. Costs are subject to change upon unforeseen conditions, any changes will be negotiated accordingly. In no event shall payment to GHD be made later than 45 days from submission of its invoice, irrespective of Contractor's receipt of payment from Owner.

Mr. Olson, thank you for allowing us to present this proposal. Should you have any questions please contact me at: 561-737-9800.

Sincerely,



Sean Halsey, South Florida Director
Ground Hound Detection Services

Accepted by

Title/Company

Print Name of Signer

Date

Re: "PBC WTP No. 3- 13026 Jog Road, Delray Beach"



December 6, 2016

Paul Gandy
GlobalTech, INC
6001 Broken Sound Pkwy. NW, Suite 610
Boca Raton, FL 33487

Subject: ECR/FPL Reuse Improvements Phase 2 - programming services

Dear Paul:

Pursuant to your request, ADS Engineering, Inc. (ADS) is pleased to provide Globaltech (GT), Inc. a proposal for the above referenced project. Our scope of work consists of the following:

Adding fifth pump in existing system:

- Generating fifth pump logic, rewriting existing pump sequence to accommodate new pump
- Generating logic for interfacing and monitoring new vibration alarm panel
- Modifying exiting SCADA screens to accommodate new pump and associated set points and limits, new vibration alarm panel, preparing database import, testing screens
- Starting up the fifth pump, loading logic changes, loading screen changes, loop testing, testing logic and necessary fine tuning, troubleshooting and modifications

Adding alarm alerts to prevent overflow in filters

- Review and upgrade alarming protocol for high levels to prevent overflows in filter, backwash holding tank, process lift station and storage tank. Verify that the existing alarms are adequate or update the instrumentation, HMI SCADA and PLC logic.

Swapping existing hose hypochlorite pumps with Seepex and instruments:

- Modifying existing logic with new signals and operations depending on pump differences, adjust pump control to fit new pump characteristics
- Modifying existing screens as needed, adding new animations, set points and permissive, creating database import, testing screens
- Starting up new pumps and instruments, loading logic changes, loading screen changes, loop testing, testing logic and operations

Turbidity Monitoring instrumentation at FPL Reclaimed West County Energy Center

- Modify Existing logic to include new Hach turbidity monitoring instrumentation at FPL West County Energy Center

Our Total Lump Sum is \$30,400.00

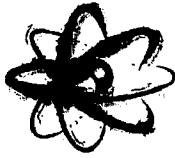
Sincerely,
Alex Stojanovic

VENDOR QUOTE SUMMARY

ECR Facility Improvements - Phase II

WUD 17-011

Bid Section	Description	Vendor/Contractor	Cost	Note
13 - I&C	Vibration & Temperature Monitoring Panel	CC Controls	\$ 29,850.00	Sole-Source
15 - Mechanical	Slide Gate	Moss Kelly / VAG	\$ 16,238.00	Sole-Source
15 - Mechanical	Check Valve Dampener Replacement	Fluid Controls	\$ 52,827.00	Sole-Source
15 - Mechanical	Pump Can	Carter Verplanck	\$ 23,529.00	Sole-Source
15 - Mechanical	DI Fittings & Piping	McDade	\$ 77,212.36	Lowest Bidder
15 - Mechanical	DI Fittings & Piping	Ferguson	-	Did not Respond
15 - Mechanical	DI Fittings & Piping	HdSupply	\$ 110,617.00	Highest Bidder
15 - Mechanical	Hypochlorite Pumps	Seepex	\$ 41,486.00	Sole-Source
15 - Mechanical	Grinder Pump Station	WRT/E One	\$ 3,945.00	Sole-Source
15 - Mechanical	Turbidity Analyzer	Hach	\$ 7,138.98	Sole-Source
16 - Electrical	VFD	Eaton	\$ 103,914.00	Lowest Bidder
16 - Electrical	VFD	Rexel	\$ 139,655.31	Highest Bidder
16 - Electrical	Electrical Sub-Contractor	Energy Efficient Electric	\$ 109,821.00	Lowest Bidder
16 - Electrical	Electrical Sub-Contractor	Power Line	\$ 129,500.00	Highest Bidder
16 - Electrical	Electrical Sub-Contractor	Electron Corp of South Florida	-	Did not Respond



C. C. CONTROL CORP.

5760 CORPORATE WAY, SUITE 100
WEST PALM BEACH, FLORIDA 33407

PHONE: 561 293-3975
FAX: 561 293-3976

CUSTOMER: GLOBALTECH

ATTN: JOSH Y

PROJECT: RECLAIMED WATER FACILITY MODIFICATIONS
EAST CENTERL REGIONAL WATER RECLAMATION FACILITY
PALM BEACH COUNTY WATER UTILITIES DEPT.

DATE: 6/6/2016

<u>DESCRIPTION</u>	<u>QUAN</u>	<u>TOTAL PAGES 4</u>
--------------------	-------------	--------------------------

C. C. CONTROL CORP. PROPOSES TO FURNISH THE FOLLOWING COMPLETE WITH EXCEPTIONS AS LISTED:

EXCEPTIONS:

- A) QUOTE DOES NOT INCLUDE CONDUIT SYSTEM.
- B) QUOTE DOES NOT INCLUDE WIRE/CABLE.
- C) QUOTE DOES NOT INCLUDE INSTALLATION
- D) QUOTE DOES NOT INCLUDE FIELD TERMINATIONS.
- E) QUOTE DOES NOT INCLUDE ANY PANEL MTG. RACKS
- F) QUOTE DOES NOT INCLUDE ANY ELEC. OR PNEUMATIC OP. VALVES.
- G) QUOTE DOES NOT INCLUDE SOLENOIDS.
- H) QUOTE DOES NOT INCLUDE MCC MODIFICATIONS
- I) QUOTE DOES NOT INCLUDE MOTOR TERMINATION BOX
- J) QUOTE DOES NOT INCLUDE PROGRAMMING

ITEM NO.1

PUMP MONITORING PANEL FP-20085

HOFFMAN CSD201610SS6 NEMA 4X WALL MOUNT ENCL	1
--	---

W/ FOLL:

A) SIZE: 20"H X 16"W X 10"D	
B) QUARTER TURN LATCHES	
HOFFMAN CP2016 STEEL SUBPANEL	1
HOFFMAN CMFKSS ENCLOSURE MTG. FEET	1
HOFFMAN AHC110E CORROSION INHIBITOR	1
SQD QOU115 120V 1P 15A CIRCUIT BREAKER	1
MTL MA15/D/1/S1 MAIN SURGE ARRESTER	1
SQD 9080 GF6 600V FUSIBLE TERMINAL	3
SQD 9080 GF6B END BARRIER	1
SQD 9080 MHA10 END CLAMPS	2
BUSSMAN FNM-10 250V 10A FUSE	1
BUSSMAN FNM-5 250V 5A FUSE	2
HUBBELL GFRST15I 15A GFI RECEPTACLE	1
HUBBELL SS6 GFI COVER	1
HUBBELL HBL5251I 15A SINGLE RECEPTACLE	2

HUBBELL SS1 RECEPTACLE COVER	2
MTL SD32 24VDC SURGE PROTECTOR	3
MTL SDRTD RTD SURGE PROTECTOR	12
MONARCH INSTRUMENT DC6-1-06-0-0-1-1 PAPERLESS DATA ACQUISITION SYSTEM	1
MONARCH INSTRUMENT DC6-1-12-0-0-1-1 PAPERLESS DATA ACQUISITION SYSTEM	1
A&J CUSTOM ALUMINUM SUNSHIELD	1
PHOENIX CONTACT 16 89 84 4 RJ45 CONNECTOR FRAME	2
PHOENIX CONTACT 16 53 15 5 RJ45 CAT6 INSERT	2
PHOENIX CONTACT 16 89 20 0 RJ45 CONNECTOR PROTECTION	2
TERMINALS, WIRE DUCT AND NAMEPLATES	LOT
GRND. BUS	1
U.L. 508A LABEL	LOT

ITEM NO.2

PUMP MONITORING PANEL SUNSHADE
CUSTOM ALUMINUM WALL BRACKET FOR FASTENING SUNSHADE 1
CUSTOM EPDM RUBBER SUNSHADE & HARDWARE 1

ITEM NO.3

SERVICE SUMMARY
STARTUP LOT
O & M MANUALS LOT

ITEM NO.4

MODIFICATIONS TO EXIST. RECLAIMED PLC PANEL (PLC-4)
SIXNET SL-2ES-2ST INDUSTRIAL FIBER MEDIA CONVERTER W/ FOLL: 1
A) 1 - 10/100 BASE TX PORT
B) 1 - 100BASE FX PORT
C) POWER: 10-30VDC
NTRON 308FX2-ST ETHERNET SWITCH 1
ETHERNET CAT6E PATCH CABLE 1
MISC. MATERIAL LOT

ITEM NO.5

SERVICE SUMMARY
FIELD MODIFICATIONS TO EXIST. PLC-4 PANEL LOT
STARTUP LOT

ITEM NO.6

MODIFICATIONS TO EXIST. PUMP MONITORING PANELS NO.2
NTRON 508FX2-ST ETHERNET SWITCH 1
PHOENIX CONTACT 2866310 120/24VDC 5A POWER SUPPLY 1
ETHERNET CAT6E PATCH CABLE 2
MISC. MATERIAL LOT

ITEM NO.7

MODIFICATIONS TO EXIST. PUMP MONITORING PANELS NO.4
NTRON 508FX2-ST ETHERNET SWITCH 1

PHOENIX CONTACT 2866310 120/24VDC 5A POWER SUPPLY	1
ETHERNET CAT6E PATCH CABLE	2
MISC. MATERIAL	LOT

ITEM NO.8
MODIFICATIONS TO EXIST. PUMP MONITORING PANELS NO.1
MISC. MATERIAL LOT

ITEM NO.9
MODIFICATIONS TO EXIST. PUMP MONITORING PANELS NO.3
MISC. MATERIAL LOT

ITEM NO.10
PUMP MONITORING PANEL SUNSHADE
CUSTOM ALUMINUM WALL BRACKET FOR FASTENING 4
SUNSHADE
CUSTOM EPDM RUBBER SUNSHADE & HARDWARE 4

ITEM NO.11
SERVICE SUMMARY
FIELD MODIFICATIONS TO EXIST. PUMP NO.2 MON. PANEL LOT
FIELD MODIFICATIONS TO EXIST. PUMP NO.4 MON. PANEL LOT
FIELD MODIFICATIONS TO EXIST. PUMP NO.1 MON. PANEL LOT
FIELD MODIFICATIONS TO EXIST. PUMP NO.3 MON. PANEL LOT
STARTUP LOT

ITEM NO.12
FIBER OPTIC AND COPPER ETHERNET CABLE
OPTICAL CABLE CORP. DX006DWLS9KR 6 FIBER CABLE 400
FIS F1-ST62SOC12 ST SPLICE ON CONNECTOR, 12PK 2
BLACK BOX EYN851A-PBC-1000 GIGABIT CABLE 1
BLACK BOX COPPER ETHERNET CONNECTORS 1
MISC. MATERIAL LOT

ITEM NO.13
SERVICE SUMMARY
FIBER OPTIC TERMINATIONS LOT
ETHERNET CAT6 TERMINATIONS LOT
STARTUP LOT

ITEMS NO.1 THRU NO.3	18000.00
ITEMS NO.4 THRU NO.5	1700.00
ITEMS NO.6 THRU NO.11	8200.00
ITEMS NO.12 THRU NO.13	1950.00

TOTAL	29850.00

SELL: \$29,850.00 PLUS TAX

FOB: JOB SITE
DEL: 8 - 10 WEEKS
AFTER APPROVED DRAWINGS
TERMS: NET 30 DAYS

RECLAIMED WATER FACILITY MODIFICATIONS

(SUBJECT TO CREDIT APPROVAL)

WARRANTY: ALL WARRANTIES SHALL EXPIRE ONE (1) YEAR FROM DATE OF START-UP FROM SELLER TO BUYER UNLESS SPECIALLY INDICATED OTHERWISE AND WILL BE NULL AND VOID UNLESS MATERIALS ARE STORED UNDER PROPER CONDITIONS DETERMINED BY C.C. CONTROL CORP.

LUIS L. GARCIA

Bruce Rahmani

From: Joshy Joseph
Sent: Friday, July 1, 2016 11:42 AM
To: Bruce Rahmani
Subject: Palm Beach County ECR Project: ECR/FPL Gates
Attachments: Quote_5213-1605-1818-01_SC.PDF

Bruce,

Following are the breakdown for the slide gates for the PBC ECR project

-1 each Model 203, 48 x 48 -K--CW Gate with Electric Actuator: \$19,980.00
-1 each Model 203, 16x16 -K-CW Gate with Electric Actuator: \$ 13,282.00
-2 each Model 253, 60 x 54- K-CW Gates with Manual operation Total: \$ 16,238.00 (\$8,119/each)

Thanks,
Joshy

-----Original Message-----

From: John Mushinsky [mailto:jmm@mosskelley.com]
Sent: Friday, July 1, 2016 11:31 AM
To: Joshy Joseph <JJoseph@globaltechdb.com>
Subject: RE: ECR/FPL Gates

Yes - that is correct

-----Original Message-----

From: Joshy Joseph [mailto:JJoseph@globaltechdb.com]
Sent: Friday, July 1, 2016 11:21 AM
To: John Mushinsky <jmm@mosskelley.com>
Subject: ECR/FPL Gates

John,

The Item numbers are not visible on the quote that I have. So I just want you to review and confirm the following.

-1 each Model 203, 48 x 48 -K--CW Gate with Electric Actuator: \$19,980.00
-1 each Model 203, 16x16 -K-CW Gate with Electric Actuator: \$ 13,282.00
-2 each Model 253, 60 x 54- K-CW Gates with Manual operation, Total: \$ 16,238.00

Thanks,
Joshy

-----Original Message-----

From: John Mushinsky [mailto:jmm@mosskelley.com]
Sent: Friday, July 1, 2016 10:45 AM
To: Joshy Joseph <JJoseph@globaltechdb.com>
Subject: Re: ECR/FPL Gates

Joshy

Sorry for the delay

Item 10: \$19,980
Item 20: \$13,282
Item 30: \$8,119/ea, \$16,238 tot.

Total: \$49,500

FYI the majority of the cost for Items 10 & 20 are the electric actuators, hence why they're so much more expensive than Item 30 even though Item 30 is a much larger gate....

Regards,

John Mushinsky
Moss Kelley, Inc.

> On Jul 1, 2016, at 9:38 AM, Joshy Joseph <JJoseph@globaltechdb.com> wrote:

>

> John,

>

> Did you get a breakdown cost for the Gates per our previous conversation?

>

> Thanks,

> Joshy

>

> From: Joshy Joseph

> Sent: Wednesday, June 29, 2016 2:00 PM

> To: 'jmm@mosskelley.com' <jmm@mosskelley.com>

> Subject: ECR/FPL Gates

>

> John,

>

> Could you please send me price breakdown on each Gate.

>

> Thanks,

>

> Joshy Cheliparambil

> (561) 997-6433 O, Ext - 118

> (561) 997-5811 F

> [cid:image001.jpg@01D1D37C.3B4C8110]<<http://www.globaltechdb.com/>>

>

> From: Bruce Rahmani

> Sent: Monday, May 23, 2016 9:47 AM

> To: Joshy Joseph <JJoseph@globaltechdb.com<mailto:JJoseph@globaltechdb.com>>

> Subject: FW: ECR/FPL Gates

>

VAG USA, LLC • Cranberry Township • PA 16066

Quotation

Quotation No.: 5213-1605-1818-01

Date: May 23, 2016

Inside Sales Estimator
Cullen O'Brien

Globaltech, Inc.

Mr. Paul Gandy P.E.
President

City of West Palm Beach - ECR
WWTP FPL Reuse Facility

We thank you for your inquiry. Please find attached our detailed quotation. Our quotation is subject to our Terms and Conditions of Sale which are included with this quotation, and can be found on our website at:

<http://gaindustries.vag-usa.com/resources/terms-and-conditions.html>

Please email purchase order(s) to Orders-USA@vag-group.com

Project: Slide Gate Replacements
Place of Installation: West Palm Beach, Florida

Terms of delivery: FOB (Incoterms 2010) Orange, MA
Transport: Standard
Terms of payment: 30 days after invoice date, net

Please send your questions and requests to: John Mushinsky,
Tel: (954) 755-2092 / Cell: (954) 401-3147 / Email: jmm@mosskelley.com

Regional Sales Manager: Greg Gaffney, ,
Tel: 713 392 7665 / Cell: / Email: G.Gaffney@vag-group.com



Fontaine

www.vag-usa.com

Item No.: **Model 203 - 48 x 48 - K - CW Fabricated Stainless Gate**
Qty: 1

Customer ID Tag: FC-SG-1

- Flow control gate sealing on 4 sides
- Flexible EPDM gasket between frame and wall
- Self-adjusting UHMWPE seals with compression cord on the sides and top section and neoprene bottom seal

Gate:

- Model: S203
- Gate description : Series 20 flow control sluice gate, wall mounted
- Self contained gate
- Certification/Design standard: AWWA C-561 compliant
- Material: 316 L stainless steel
- Design head pressure: 23 ft
- Weight: 1204 lbs

Stem:

- Stem: RS2 - Rising stem
- Stem diameter (inches): 1.75
- Stem material: 316 stainless steel
- Installation depth: 288 in

Operator kit:

- Mode of operation: Electric
- Yoke mounted electric actuator

Anchors:

- Anchors: Adhesive anchors included except the epoxy for which we recommend Hilti HY-200 or equivalent.

Accessories:

- Material stem cover: Clear plastic with UV inhibitors
- Stop Nut - Closing direction

Electric Actuator

- Service: Isolation (Open/Close)
- System voltage: 3-phase current , 480 / 60 Hz

Item No.: **Model 203 - 16 x 16 - K - CW Fabricated Stainless Gate**
Qty: 1

Customer ID Tag: FC-SG-2

- Flow control gate sealing on 4 sides
- Flexible EPDM gasket between frame and wall
- Self-adjusting UHMWPE seals with compression cord on the sides and top section and neoprene bottom seal

Gate:

- Model: S203
- Gate description : Series 20 flow control sluice gate, wall mounted
- Self contained gate
- Certification/Design standard: AWWA C-561 compliant
- Material: 316 L stainless steel
- Design head pressure: 25 ft
- Weight: 545 lbs

Stem:

- Stem: RS2 - Rising stem
- Stem diameter (inches): 1.5
- Stem material: 316 stainless steel
- Installation depth: 312 in

Operator kit:

- Mode of operation: Electric
- Yoke mounted electric actuator

Anchors:

- Anchors: Adhesive anchors included except the epoxy for which we recommend Hilti HY-200 or equivalent.

Accessories:

- Material stem cover: Clear plastic with UV inhibitors
- Stop Nut - Closing direction

Electric Actuator

- Service: Isolation (Open/Close)
- System voltage: 3-phase current , 480 / 60 Hz

Item No.: **Model 253 - 60 x 54 - K - CW Fabricated Stainless Gate**
Qty: 2

Customer ID Tag: FMX-SG-1&2

- Open channel gate sealing on 3 sides
- Flexible EPDM gasket between frame and wall
- Self-adjusting UHMWPE seals with compression cord on the sides and neoprene bottom seal

Gate:

- Model: S253
- Gate description : Series 25 open channel slide gate, wall mounted
- Self contained gate
- Certification/Design standard: AWWA C-561 compliant
- Material: 316 L stainless steel
- Design head pressure: 4.5 ft
- Weight: 830 lbs

Stem:

- Stem: RS2 - Rising stem
- Stem diameter (inches): 1.615
- Stem material: 316 stainless steel
- Installation depth: 72 in

Operator kit:

- Mode of operation: Manual
- Yoke mounted gearbox and crank

Anchors:

- Anchors: Adhesive anchors included except the epoxy for which we recommend Hilti HY-200 or equivalent.

Accessories:

- Material stem cover: Clear plastic with UV inhibitors
- Stop Nut - Closing direction

Comments & Clarifications:

- Spare parts are not included in this scope of supply.
- Field service, testing and commissioning is not included in this offer.
- We reserve the right to modify this quotation based on additional information.

After receipt of order, the drawing submittal(s) to be sent in 8 weeks

After receipt of order and/or approved drawing(s), shipment in 15 weeks

Installation, Tests and Inspection

The extent of field service, if included in this quotation, is described as a line item above. We will gladly provide additional field service upon request as an extra charge. For this requested service, RHF, Inc. will bill at rates in effect at time service is performed. Please note, we require a three week minimum advance notification for field service scheduling. For estimating purposes, if a job requires additional field service, our current rates are as follows: Charges begin from the time of departure until the return of the serviceman. The rate for field service is \$85.00 per hour for travel time and \$135.00 per hour for time spent on site. We will invoice at cost plus 15% for travel, food and lodging. The minimum charge for a site visit is \$1,000. Preparation and reporting provided at no additional charge. For weekend and holiday rates, or complete listing of Field Service rates contact RHF Aftermarket (978) 673-5208.

TERMS AND CONDITIONS OF SALE

General. The following terms and conditions of sale ("Contract") shall be the final, complete and exclusive Contract for sale between VAG USA, LLC named on the Purchase Order or Acknowledgment ("Seller") and the entity to which Seller is providing Products or Services under the Contract ("Buyer") and supersedes all other communications in regards to the Products, whether written or oral. Any terms and conditions in any of Buyer's other documents that vary with, are inconsistent or add to these terms are hereby objected to and are not binding upon Seller without express written consent, even though there may have been acknowledgment, work has commenced or the order has shipped. This Contract may only be amended in a writing signed by both parties. To the extent this Contract is construed as an acceptance of the Buyer's offer, this acceptance is expressly conditioned on the Buyer's assent to any additional or different terms contained in this Contract. When used herein the term "Standard Product" refers to a product that is standard product, currently in stock, and inventoried by Seller and identifiable as returnable. The term "Product" refers to both Standard Product and Non-standard or Non-stocked Product, and the term "Services" refers to repair, installation or maintenance of Products by Seller.

Price. Quotations are valid for thirty (30) days unless extended in writing by Seller. Prices quoted will be firm for orders accepted at the factory within thirty (30) days, where material is released and scheduled by Seller for shipment within thirty (30) days after the date of order entry; otherwise, Seller reserves the right to apply prices in effect at the time of shipment. Additional charges may be made to cover any extra, unforeseen or unusual cost elements, including without limitation, overtime work authorized by Buyer, special packing, engineering, special certificates determined after quality review, or documentation. All orders are subject to acceptance by Seller and credit approval. Prices do not include sales, use, excise, VAT, GST, and all similar taxes. Total prices on invoices may differ slightly, as price records for electronic calculation may either be on a "list and discount" or on a net basis.

Packaging, Shipment and Delivery. Seller will decide how to pack and ship unless specific written instructions are given by Buyer and accepted by Seller. If required, special export packaging that includes extra packaging, fully crated, with corrosion protection and heat-treated lumber can be included for an additional 3% of order value (\$300 minimum fee). Such packaging will not be provided by Seller unless requested in writing by Buyer. Unless otherwise expressly agreed to in writing by Seller, all shipments are Ex Works (International Incoterms 2010) or FOB (U.S. UCC). Seller shipping point at which point title also transfers. Buyer shall pay all delivery costs and charges. If the Buyer asserts a claim against the transportation company, Seller will cooperate in attempting to resolve such claim. Delivery dates are approximate, not guaranteed, and are subject to prior sale. Goods are deemed delivered on the day the shipment is made available to the carrier. Any order request outside of normal lead times will be charged as follows: same day Standard Product - no charge; all other Products -15% of order value (\$100 minimum fee), plus any other applicable charges and costs. Emergency after-hours fee of \$250 will be charged in addition to fees set forth above.

Force Majeure. Seller shall not be liable for delays in delivery due to circumstances beyond its reasonable control, including, but not limited to, acts of Buyer, government, nature, or the public enemy, civil or labor unrest, fires, floods, explosions, energy shortages, delay in obtaining licenses, or unavailability or reduced availability of supply at its usual source.

Cancellation and Revision Charges. Standard Product- no charge for cancellation if made prior to shipment. All other Product will incur a \$100 minimum cancellation charge. Additional charges may apply (up to 100% of the value of the Contract) based on stage of order completion when cancellation or revision is requested. Such charges may include, but are not limited to, materials ordered, engineering, drawing, or manufacturing development time. Reschedules may not be made unless written notification is received and accepted at the manufacturing location more than 90 days prior to the latest acknowledged shipping date, and then only upon terms which will indemnify Seller against loss. Buyer delays may result in extra costs to Buyer.

Patents. Seller will defend and indemnify Buyer against claims by a non-affiliated third party of infringement of United States patents issued at the time of sale to Buyer; provided such claims are based exclusively on infringement by Products designed and manufactured by Seller and not based on the use of the Products in combination with products manufactured or designed by Buyer or others. Seller must be promptly notified in writing, tendered the defense and be allowed to obtain a license for Buyer or substitute a non-infringing equivalent product. In no event will Seller's total liability to Buyer exceed the purchase price of the Product.

Product Safety and Safety Devices. Products designed and manufactured by Seller are capable of being used in a safe manner, but Seller does not warrant their safety under all circumstances. Products are provided with only those safety devices identified herein. IT IS BUYER'S RESPONSIBILITY TO FURNISH THE APPROPRIATE GUARDS AND TO INSTALL AND USE THE PRODUCTS IN A SAFE MANNER IN COMPLIANCE WITH APPLICABLE HEALTH AND SAFETY REGULATIONS AND LAWS AND GENERAL STANDARDS OF REASONABLE CARE. IF BUYER FAILS TO DO SO, BUYER SHALL INDEMNIFY, DEFEND AND HOLD SELLER HARMLESS FROM ANY LOSS, COST, EXPENSE, DAMAGE, ACTION OR CAUSE OF ACTION RESULTING FROM SUCH FAILURE.

Designs, Dimensions and Weights. Due to normal Product changes, the designs, dimensions, materials, components and weights shown in printed and electronic catalogs are subject to variation. If complete accuracy is required for an application, Buyer must request additional information or certification from Seller.

Manufacturing Devices and Technical Information. Unless otherwise expressly agreed to in writing by Seller, all manufacturing devices, design data and other technical information relating to an order shall remain Seller's property.

All new intellectual property conceived or created by Seller in the performance of this Contract, whether alone or with any contribution from Buyer, shall be owned exclusively by Seller. Buyer's patterns/tooling in Seller's possession are held at Buyer's risk and not covered by Seller's insurance.

Warranty. For a period of one year from the date of shipment, and provided payments for the Products have been made by Buyer to Seller, Seller warrants to Buyer that its Products: (i) substantially conform to Seller's published specifications and (ii) are free from defects in material or workmanship. Specific products may have a warranty period greater than one year. Any Services provided by Seller are warranted to be performed in a good and workmanlike manner. Should a warranted Product or any Services fail to conform to these warranties, Buyer must promptly notify Seller in writing. Seller will, at its discretion and at no charge to the Buyer: (i) repair the Product or Services; (ii) replace the Product or any Services; or (iii) offer a full refund of that portion of the purchase price allocable to the non-conforming Product or Services. Warranty repair or replacement by Seller shall not extend or renew the applicable warranty period. Buyer shall obtain Seller's agreement on the specifications of any tests it plans to conduct to determine whether a non-conformance exists. Buyer shall bear the costs of access for Seller's remedial warranty efforts (including removal and replacement of systems, structures or other parts of Buyer's facility), de-installation, decontamination and re-installation. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. This warranty allocates the risks of Product failure between Seller and Buyer. This allocation is recognized by both parties and is reflected in the price of the goods. Buyer acknowledges that it has read this Contract, understands it, and agrees to and is bound by its terms.

What is Not Covered by Warranty. No representative of Seller has authority to waive, alter, vary or add to the terms hereof without prior written approval of an officer of Seller. Seller's warranty does not apply to: (i) dynamic vibrations imposed by the drive system in which such Products are installed unless the nature of such vibrations has been defined and accepted in writing by Company as a condition of operation; (ii) improper or unauthorized repair, installation or maintenance of the Products by a party other than Seller; (iii) use for purposes other than those for which designed, or other abuse, negligence, misuse, or normal wear and tear; (iv) unauthorized attachments, modifications or disassembly; (v) damage during shipping; or (vi) Products purchased from unauthorized distributors, resellers or internet sites. Buyer's care in selection, adequate testing at time of installation and proper installation, operation and maintenance of all Products is required for adequate performance.

Limitations of Liability. NOTWITHSTANDING ANY PROVISION OF THIS CONTRACT OR THE LAW, IT IS EXPRESSLY AGREED THAT SELLER'S TOTAL LIABILITY FOR ANY DAMAGES, COSTS OR EXPENSES ARISING OUT OF OR RELATED TO THIS CONTRACT OR ITS PRODUCTS OR SERVICES, WHETHER BASED IN CONTRACT, WARRANTY, INDEMNITY, TORT/EXTRA-CONTRACTUAL LIABILITY (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT OR SERVICES OR, AT SELLER'S OPTION, A RETURN OF AN AMOUNT THAT SHALL NOT EXCEED THE PURCHASE PRICE. UNDER NO CIRCUMSTANCES WILL SELLER, ITS OFFICERS, DIRECTORS, EMPLOYEES OR ASSIGNS BE LIABLE FOR ANY OTHER REMEDY, LOSS, COST, DAMAGE OR EXPENSE WHETHER DIRECT OR INDIRECT. IN NO EVENT WHATSOEVER SHALL SELLER BE LIABLE FOR ANY CONSEQUENTIAL, LIQUIDATED, EXEMPLARY OR PUNITIVE DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF USE, INCOME, PROFIT, OR PRODUCTION; INCREASED COST OF OPERATION; SPOILAGE OR DAMAGE TO MATERIAL; OR CHANGE OUT COSTS. BUYER SHALL INDEMNIFY, DEFEND AND HOLD SELLER HARMLESS FROM ANY LOSS, COST, EXPENSE, DAMAGE, OR CAUSE OF ACTION TO OR BY A THIRD PARTY THAT EXCEEDS THESE LIMITATIONS OF LIABILITY.

Terms of Payment. Terms of payment, unless agreed otherwise in writing, are thirty (30) days net from date of invoice, without set-off for any payment from Seller not due under this Contract. Seller reserves the right to charge interest at the rate of 1.5% per month or the highest rate allowed by law, whichever is lower, for all amounts more than thirty (30) days past due. Costs of collection (including reasonable attorney's fees) will be the responsibility of the Buyer.

Compliance with Law. Seller's obligations under this Contract are conditioned upon Buyer's compliance with all export laws of the United States and other applicable trade control laws and regulations with regard to the exportation of the Products and any technical data associated therewith. Buyer shall not re-export, divert or direct Products other than in and to the ultimate country of destination declared by Buyer and specified as the country of ultimate destination on Seller's invoice.

Time and Place for Commencing Suit. Any action by Buyer for breach of any of the terms of this Contract by Seller must be commenced within six (6) months of the alleged breach. The parties consent to the exclusive jurisdiction and venue of the federal and state courts located in Milwaukee, Wisconsin in any action arising out or relating to this Contract or the Products and both parties waive any objection they might have to jurisdiction or venue of such forum.

Legal Construction. The laws of the State of Wisconsin shall apply to this Contract, with the exception of its conflict of laws provisions. The failure of Seller to insist upon strict performance of any of the terms and conditions stated herein shall not be considered a continuing waiver of any such term or condition or of any of Seller's rights. The headings in this Contract are informational and do not modify the agreement. The parties specifically exclude the application of the U.N. Convention on the International Sale of Goods.

100-000 VAG Terms Effective 3/31/16



111 Maritime dr • Sanford, FL 32771
Phone (407) 302-5611 • Fax (407) 302-5612 Robert.whritenour@fc-spec.com

Website: www.fluidcontrolspect.com

June 28, 2016

To: Global Tech

Attn: Bruce Rahmani

Director of Construction & Estimating
(561) 997-6433 O
(954) 882-1169 M
(561) 997-5811 F



From: Bob Whritenour

Re: Retrofit 6 Apco 800 Series Slanting Disc Checks with new BMB

SCOPE:

1. Provide 6 new Apco BMB assemblies
2. Labor to remove existing BMB assemblies
3. Labor to install new BMB assemblies
4. Provide start up, training and integration assistance until project completion

6 -Dezurik/Apco BMB assemblies

Retrofit Installation/Initial Evaluation trip/Start-up:

Installation estimated at 5 days with two techs with continue work through; Start up.

1. Evaluation trip
2. Remove existing BMB's
3. Install new BMB's
4. Estimation at 5 days, 2 techs, assuming work through and coordination with plant personnel of an operating plant
5. Start up and training

Total = \$51,827.00

Notes:

1. Frt. Included in prices
2. Proposal is valid for 90 days



CARTER | VERPLANCK

4910 W. CYPRESS ST.

TAMPA, FLORIDA 33623

www.carterverplanck.com

Phone: 813.287.0709

Fax: 813.282.8216

Quotation

**To: Paul Gandy, P.E.
GlobalTech**

Date: April 4, 2016

**Attn: ECRWRF
Flowserve Pump Can Quote**

WE ARE PLEASED TO QUOTE YOU ON THE FOLLOWING MATERIAL FOR ACCEPTANCE WITHIN 30 DAYS

This quote provided is for the furnishing of one (1) epoxy coated, carbon steel pump can for the Flowserve 25EKL Pumps. Cans will be provided with anti-vortex vanes per Drawing attached.

Gaskets and Flange bolts are not included in this quote.

Pump Cans
\$22,985.00/EA
Taxes not included

One day of Inspection by Carter VerPlanck Personnel
\$2,225.00/EA
Taxes not included

Pricing included travel, lodging, meals and incidentals.

TERMS: Net 30 days

QUOTATION DOES NOT INCLUDE ANY SALES OR USE TAX
PAYABLE UNDER ANY STATE OF FEDERAL STATUE

-WITH CREDIT APPROVAL

CARTER & VERPLANCK, INC.

BY Tyler Tedcastle, P.E.



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

June 10, 2016

Serving the Water & Wastewater Plant Industry for over 25 Years, Please visit us at:
www.mcdadewaterworks.com

Globaltech

Attn: Bruce Rahmani

Project: PBC - ECR Safety - Pump Suction & Discharge

Bid Date: N/A

Addendum: N/A

ARRA - No

<u>QTY</u>	<u>DESCRIPTION</u>	<u>UNIT \$</u>	<u>EXT \$</u>
1	48" x 48" x 24" MJ Tee DI CL	7,358.26 \$	7,358.26
3	48" Megalug Accy Set for DIP	2,283.10 \$	6,849.29
1	48" MJ DI plug with accyset	3,050.38 \$	3,050.38
20	24" Tyton Joint Class 250 DIP	75.04 \$	1,500.80
5	24" Megalug Accy Set for DIP	406.21 \$	2,031.07
1	24" MJ Sleeve (24"x1')	1,045.80 \$	1,045.80
1	24" MJ BV and Valve Box	3,320.57 \$	3,320.57
1	18" x16" DIP Concentric Reducer FL	529.32 \$	529.32
1	16" Flg Accy Set (316SS Finish Hex w/ TORUSEAL EPDM Gasket)	224.07 \$	224.07
8	18" Flg Accy Set (316SS Finish Hex w/ TORUSEAL EPDM Gasket)	311.43 \$	2,491.47
5	6" Flg Accy Set (316SS Finish Hex w/ TORUSEAL EPDM Gasket)	56.40 \$	282.00
2	18" RFA w/(2) 1" dua SSTL Restraining rods	1,580.55 \$	3,161.10
1	18"x6" Tee FL DIP	744.56 \$	744.56
1	6" Flg Butterfly Valve (Isolation Valve for Combination Air/Vacuum Valve)	INC BELOW	-
1	6" Flg Surge Check Valve	INC BELOW	-
1	6" Flg Combination Air/Vacuum Valve (BFV & SURGE CHECK INCL)	3,460.38 \$	3,460.38
1	18" Flg Tilted Disc Check Valve w/ Bottom Buffer & Limit Switch	16,899.94 \$	16,899.94
1	18" x 01'-06" Flg X Flg DIP w/ 1/2" Tap	925.02 \$	925.02
1	1/2" x 04" 316SS Thrd Nipple	2.65 \$	2.65
1	1/2" 316SS Thrd Ball Valve	18.86 \$	18.86
1	1/2" Pressure Gauge	116.75 \$	116.75

1	18" Flg Butterfly Valve	1,788.86	\$	1,788.86
1	18" x 02'-00" Flg X Flg DIP w/ 01" Tap	983.44	\$	983.44
1	1" x 06" 316SS Thrd Nipple	5.87	\$	5.87
1	01" 316SS Thrd Ball Valve	34.46	\$	34.46
1	1" x 04" 316SS Thrd Nipple	4.03	\$	4.03
1	1" ARV	203.63	\$	203.63
1	Pressure Gauge	116.75	\$	116.75
1	01" 316SS Thrd Ball Valve	34.46	\$	34.46
2	Clamp support for the 18" pipe 316SS 3/8" Thick x 03" Wide for Concrete support, 270°	166.92	\$	333.84
1	36" x18" FL Tee	4,461.33	\$	4,461.33
2	36" Flg Accy Set (316SS Finish Hex w/ TORUSEAL EPDM Gasket)	1,102.42	\$	2,204.85
1	36" Flanged spool 36" dia x 6 feet long	4,136.76	\$	4,136.76
2	36" Megaflange with accyset (316SS hardware)	4,445.89	\$	8,891.78
	TOTAL THIS BID ITEM - TAX NOT INCLUDED			\$77,212.36

Notes:

1. All Ductile Iron MJ Fitting Quoted C153 (Compact)
2. All Fitting and Valves Quoted Less Accessories
3. All Buried Ductile Iron Pipe and MJ Fitting Quoted Bituminous Coated
4. All Flange Pipe and Fitting Quoted Prime Coated
5. All Ductile Iron Pipe and Fitting Quoted Cement Lined
6. All Ductile Iron Fitting (MJ & Flange) Quoted Are Globally Sourced
7. At this time US Pipe and American are not producing fittings 24" and smaller.
Fittings are only made by Fitting Manufactures and brands are blended when we ship projects based on availability at time of order.
10. All valve boxes quoted less extension stem unless noted otherwise.
11. Flange Accessories Set Prices are Firm for 14 Days from Bid Date, & Must Ship Within 28 Working Days from Bid Date.
13. Lead Time on the following valves are:
Butterfly Valve: 8-10 wks
Check Valve: 12-16 weeks
14. Pipe Supports - Do not include engineering calculations (ie. wind, seismic, etc). We can recommend someone who can provide this information if requested.
15. Line drawings are not included. If needed add \$800.00 per sheet.
16. Valve warranty for project is (2) years from date of shipment. Extended warranty can be pu for a additional 1% of the purchase price for each additional year warranty up to 3 year max date of shipment.

**** 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 l Customer agrees not to post or publicly display the terms or the pricing. Customer also agrees that any discussions

or negotiations regarding the attached pricing or any changes thereto (including but not limited to future pricing offerings) are also confidential and are pursuant to this provision of confidentiality.

The above quotation is our interpretation of the plans and specifications and should be reviewed by your firm for accuracy. Prices do not include valve boxes, ext stems, wrenches, start-up services, etc. unless specifically noted in our quotation. Prices are based on full freight allowed truckload shipments to the project. Additional materials ordered will be furnished on a case by case basis.

Terms: Net 30 Days
FOB: S/P - FFA to Jobsite (Based on Terms Above)

Please call should you have any questions or need any additional pricing.

Sincerely,

Wesley Bunn



Bid Proposal for ECR Safety Improvements PH II

CUSTOMER

GLOBALTECH INC
BOCA RATON, FL 33487
Contact: Bruce Rahmani
(T) (561) 997-6433
(F) (561) 997-5811
(E) bruce@globaltechdb.com

Job
ECR Safety Improvements PH II
Bid Date: 08/29/2016

CONTACT

Sales Representative
Javier Rezakhani
(M) 561-472-4693
(T) 561-848-4396
(F) 561-845-7267
(E) javier.r@hdsupply.com

HD Supply Waterworks
1101 W 17th St
Riviera Beach, FL 33404
(T) 561-848-4396

Thank you for the opportunity.

NOTES



Bid Proposal for ECR Safety Improvements PH II

GLOBALTECH INC
 Bid Date: 08/29/2016
 HD Supply Bid #: 154715

HD Supply Waterworks
 1101 W 17th St
 Riviera Beach, FL 33404
 Phone: 561-848-4396
 Fax: 561-845-7267

Seq#	Qty	Description	Units	Price	Ext Price
10	1	48X24 MJ TEE CL (I) DI C153	EA	10,939.00	10,939.00
48" MEGALUG & ACC.					
30					
40	3	48 EBAA MEGALUG MJ DI 1148 RST F/DI PIPE, BLACK	EA	2,575.00	7,725.00
50	3	48 MJ REGULAR ACC SET L/GLAND	EA	563.00	1,689.00
				SUBTOTAL	9,414.00
				Average price per	EA
					3,138.00
48" MJ PLUG & ACC.					
70					
80	1	48 MJ PLUG CP DI C153 (I)	EA	2,560.00	2,560.00
90	1	48 MJ REGULAR ACC SET L/GLAND	EA	563.00	563.00
				SUBTOTAL	3,123.00
				Average price per	EA
					3,123.00
110	20	24 TJ PR350 DI PIPE C/L	FT	90.00	1,800.00
24" MEGALUG & ACC					
130					
140	5	24 EBAA MEGALUG MJ DI 1124 RST F/DI PIPE, BLACK	EA	396.00	1,980.00
150	5	24 MJ REGULAR ACC SET L/GLAND LESS GLAND	EA	61.00	305.00
				SUBTOTAL	2,285.00
				Average price per	EA
					457.00
170	1	24 MJ L/P SLV (I) T/C C/L C153	EA	770.00	770.00
24" MJ BUTTERFLY VALVE & BOX					
190					
200	1	24 MJ BUTTERFLY VLV ON PRATT	EA	5,307.00	5,307.00
210	1	461-S VALVE BOX L/LID DOM 10T, 15B, NO LID	EA	109.00	109.00
220	1	5-1/4 VB LID M/WATER USA	EA	19.00	19.00
				SUBTOTAL	5,435.00
				Average price per	EA
					5,435.00
240	1	18X16 FLG REDUCER C/L DI C110	EA	787.00	787.00
260	1	16 FLG ACC TOROSEAL FF 316SS	EA	281.00	281.00
280	8	18 FLG TORUSEAL EPDM 316SS ACC SET	EA	421.00	3,368.00
300	5	6X1/8 FLG ACC TOROSEAL SS	EA	75.00	375.00
320	2	18 MEGA-FLG 2118 W/SS 316 BOLT	EA	1,025.00	2,050.00
340	1	18X6 FLG TEE C/L DI C110	EA	1,107.00	1,107.00
360	1	6 FLG BUTTERFLY VLV ON PRATT	EA	607.00	607.00



Bid Proposal for ECR Safety Improvements PH II

Seq#	Qty	Description	Units	Price	Ext. Price
380	1	6 VALMATIC SURGEBUSTER	EA	2,515.00	2,515.00
400	1	6" FLG COMB AIR/VAC VALVE INCLUDES BFV & SURGE CHECK	EA	5,600.00	5,600.00
430	1	18" TILTED DISC CHECK VALVE W/BOTTOM BUFFER & LIMIT SWITCH	EA	35,000.00	35,000.00
460	1	18 FLGXFLG DI PIPE 1'6" W/ 1/2" TAP	EA	880.00	880.00
490	1	1/4X4 316SS SCH40 NIPPLE	EA	2.00	2.00
510	1	1/2 SS BALL VALVE	EA	31.00	31.00
530	1	4" LIQUID GAUGE 0-300PSI W/ 1/2" BOTTOM CONNECTION	EA	112.00	112.00
560	1	18 FLG BUTTERFLY VLV ON PRATT	EA	3,070.00	3,070.00
580	1	18 FLGXFLG DI PIPE 2'0" W/ 1" TAP	EA	935.00	935.00
610	1	1X6 316SS NIPPLE	EA	7.00	7.00
630	1	1 SS BALL VALVE 4550	EA	27.00	27.00
650	1	1X4 316SS NIPPLE	EA	5.00	5.00
670	1	1" ARI D-040P01 DUAL WATER ARV 1" COMB AIR/VAC VALVE W/SCREEN	EA	181.00	181.00
690	1	2-1/2" 0-300 PSI LIQUID GAUGE 1/4" BOTTOM CONNECTION	EA	12.00	12.00
720	1	1 SS BALL VALVE 4550	EA	27.00	27.00
740	2	18" PIPE SUPPORT 316SS, 3/8" THICK X 3" WIDE 270 DEG	EA	525.00	1,050.00
780	2	36" FLG TORUSEAL KIT 316SS B&N	EA	1,538.00	3,076.00
800	1	36" FLGXPE DI PIPE 6'0	EA	3,192.00	3,192.00



Bid Proposal for ECR Safety Improvements PH II

Seq#	Qty	Description	Units	Price	Ext. Price
820	2	36 MEGAFLANGE W/316SS	EA	6,277.00	12,554.00
				Sub Total	110,617.00
				Tax	0.00
				Total	110,617.00

Branch Terms:
Prices are for budgetary purposes.

SEEPEX. ALL THINGS FLOW

SEEPEX Inc.
511 Speedway Drive
Enon, OH 45323
Phone (937) 864-7150
Fax (937) 864-7157
sales@seepex.net
www.seepex.com

Email

MTS Environmental, Inc. Company	_____	Contact address	_____
John McLaughlin Name	_____	1+ 12 Number of pages	_____
Sender	_____	5/19/2016 Date	_____
Our Ref: 500071004/1 Reference	_____		

Dear ,

We thank you for your enquiry referenced above in response to this please find to follow our offer for seepex progressive cavity pumps.
Any drawing accomponing this offer is for reference purpose only (not for layout).

item	reference	quantity	type	unit price
10	pump to handle sodium hypochlorite solution	3	BN 10-6L	23529 USD
20	pump to handle sodium hypochlorite solution	2	BN 5-6L	17957 USD
30	pump for the metering of Aluminum sulfate	4	MD 05-6LT	3050 USD

PC progressive cavity pumps are being offer in lieu of the hose pumps in specification; SEEPEX takes exception to any references to hose pumps.

Delivery and Payment Conditions

Delivery

6 - 8 working weeks from receipt of an official order and acceptance, if applicable of drawings etc. (Lead times are based on current inventory levels)

N.B. The above delivery time is our standard. If a shorter delivery time is required please contact us.

Validity

This quotation is open to acceptance for a period of 60 days as from 5/19/2016

Terms of Payment

30 days net to account holders. Pro forma to non account holders. (US Funds)

Advice Regarding Documentation

A maximum of two operating and maintenance instructions in accordance with the EC Directive will be provided free of charge for each item of identical units ordered. If additional manuals are required, these will be charged at \$10.00 each.

Terms and Conditions

Export of SEEPEX Inc. commodities, technology or software shall be in accordance with United States Export Administration Regulations. Diversion contrary to U.S. law is prohibited. This quotation is limited to SEEPEX Inc. Terms & Conditions of Sale and/or Repair (1-8-16), available online at www.seepex.com. All prior or future terms, conditions or negotiations (whether written or oral) will be considered void and inapplicable, unless otherwise agreed to in writing.

We hope our offer will meet your requirements. Your contact person:

Mobile:

Phone:

e-mail:



Sales Quotation

Date: October 28, 2016
 Quote Number: 2016862
 Customer PO #:

Customer/Bill To: All Bidders

Phone: _____
 Email: _____

Serial Number(s): _____

From: Randy Bell
 rbell@wrllc.com
 (239) 223-4612

Ship To: _____

Job Name	Lead Time	Payment Terms	Delivery	Sales Code
Palm Beach County ECR	3-4 Weeks	C.O.D.	PPD & ADD	SFW
Part Number	Description	Qty	Price Net Each	Total
CS1240	24" x 84" E one Simplex	1.00	\$ 3,945.00	\$ 3,945.00
	24" x 84" Fiberglass Basin with Fiberglass Cover	1.00	Included	
	One E one 120V 1PH Grinder Pump	1.00	Included	
	Simplex Sentry 120V Alarm Panel	1.00	Included	
	4" SCH40 Inlet Grommet	1.00	Included	
	1-1/4" Stainless Steel Discharge Coupling	1.00	Included	
	2" Mushroom Vent	1.00	Included	
	<u>Manufacturer 2 Year Warranty</u>			
	<u>Comparable to GH Series Pumps</u>			
Labor Rates / Service Call / Delivery		Qty	Price	Total
Delivery - Common C	Delivery via LTL Truck Service	1	Included	
Notes:	All State, Local & Federal taxes are applicable unless a proper sales tax exempt form is provided prior to shipment.		Material Total	\$ 3,945.00
				\$ -
				\$ -
			Subtotal	\$ 3,945.00
			Sales Tax	\$ -
			Total Amount	\$ 3,945.00

Net 30 day terms are available with acceptable credit references. A 1.5% per month late charge will be assessed on all payments not made within agreed terms in writing. If this order is sent to collection, all legal and collection charges will be added to the responsibility of the buyer. Any orders cancelled will be subject to a 25% restocking charge. All material must be returned in new condition, or refurbishment charges will be added. All return freight is the responsibility of the buyer.



Be Right™

Quotation

Quote Number: 100208195v3
 Use quote number at time of order to ensure that you receive prices quoted

Hach
 PO Box 608
 Loveland, CO 80539-0608
 Phone: (800) 227-4224
 Email: quotes@hach.com
 Website: www.hach.com

Quote Date: 11/15/2016

Quote Expiration: 01/14/2017

GLOBAL TECH
 6001 BROKEN SOUND PKWY NW
 BOCA RATON, FL 33487

Name: Bruce Rahmani
 Phone: 5619976433
 Email: bruce@globaltechdb.com

Customer Account Number : 40101923

Sales Contact: Chris Bunch Email: cbunch@hach.com Phone: 800-227-4224

PRICING QUOTATION

Line	Part Number	Description	Qty	Net Unit Price	Extended Price
1	LXV445.99.53112	db ee TU5300sc TURB, FLOW, CLEAN, SYSCHK, RFID, EPA	1	2,383.20	2,383.20
		TU5300 sc Turbidimeter, Automatic Cleaning Unit, User Manual, Wall Mount, Vial Replacement Tool, Screw Set, Drying Cartridge, Throttle, Calibration Syringe, Stabcal Solution, & Flow Sensor.			
2	LXV404.99.00552	sc200 CONTROLLER, AC-DC, 2 DIG, HACH	1	1,716.30	1,716.30
3	LZY873	Kit, Service Bracket, TU5xxx sc	1	13.50	13.50
4	LZY907.97.00002	Maintenance Case TU5xxx; RoW	1	990.00	990.00
5	LZY876	Desiccant cartridge TU5300/TU5400sc	1	14.98	14.98
6	LZQ176	Fiber Wiper ACM TU5x00sc	2	22.50	45.00
7	WRTUPGTU53XX - 1 VISIT	WarrantyPlus Service Agreement includes: All parts, labor, and travel for on-site repairs, 1 on-site calibrations per year, factory recommended maintenance (including required parts), unlimited technical support calls, and free firmware updates. On-site response for "down" instrument repairs is typically 3 business days. Standard business hours are 8am-5pm M-F local time, excluding holidays. Please see service terms and conditions for additional details on our service plans, and to ensure you have an opportunity to review our environmental and safety requirements. Cleaning Module Accessory is not covered under this offering.	1	499.00	499.00
8	WRTUPGSC200	Comprehensive warranty upgrade includes: Instrument start-up, all parts, labor, and travel for on-site repairs, 1 on-site factory recommended maintenance (including required parts), unlimited technical support calls, and free firmware updates. On-site response for "down" instrument repairs is typically 3 business days. Standard business hours are 8am-5pm M-F local time, excluding holidays. Please see service terms and conditions for additional details on our service plans, and to ensure you have an opportunity to review our environmental and safety requirements.	1	233.00	233.00
9	57P	** Field Svc HALF DAY StartUp-PROCESS (P)	1	1,032.00	1,032.00
10	STARTUP TRAVEL	** Field Svc HACH START UP TRAVEL CHG	1	212.00	212.00
				Grand Total	\$ 7,138.98

TERMS OF SALE

Freight: Ground Prepay and Add

FCA: Hach's facility

All purchases of Hach Company products and/or services are expressly and without limitation subject to Hach Company's Terms & Conditions of Sale ("Hach TCS"), incorporated herein by reference and published on Hach Company's website at www.hach.com/terms. Hach TCS are contained directly and/or by reference in Hach's offer, order acknowledgment, and invoice documents. The first of the following acts constitutes an acceptance of Hach's offer and not a counteroffer and creates a contract of sale "Contract" in accordance with the Hach TCS: (i) Buyer's issuance of a purchase order document against Hach's offer; (ii) acknowledgement of Buyer's order by Hach; or (iii) commencement of any performance by Hach pursuant to Buyer's order. Provisions contained in Buyer's purchase documents (including electronic commerce interfaces) that materially alter, add to or subtract from the provisions of the Hach TCS are not part of the Contract.

Due to international regulations, a U.S. Department of Commerce Export License may be required. Hach reserves the right to approve specific shipping agents. Wooden boxes suitable for ocean shipment are extra. Specify final destination to ensure proper documentation and packing suitable for international transport. In addition, Hach may require: 1) A statement of intended end-use; 2) Certification that the intended end-use does not relate to proliferation of weapons of mass destruction (prohibited nuclear end use, chemical / biological weapons, missile technology); and 3) Certification that the goods will not be diverted contrary to U.S. law.

ORDER TERMS:

Terms are Subject to Credit Review

Please reference the quotation number on your purchase order.

Sales tax is not included. Applicable sales tax will be added to the invoice based on the U.S. destination, if applicable provide a resale/exemption certificate.

Shipments will be prepaid and added to invoices unless otherwise specified.

Equipment quoted operates with standard U.S. supply voltage.

Hach standard terms and conditions apply to all sales.

Additional terms and conditions apply to orders for service partnerships.

Prices do not include delivery of product. Reference attached Freight Charge Schedule and Collect Handling Fees.

Standard lead time is 30 days.

This Quote is good for a one time purchase.

Sales Contact:

Name: Chris Bunch
Title: Regional Sales Manager
Phone: 800-227-4224
Email: cbunch@hach.com

Prepared By:

Name: Julie Burton
Title: Field Service Support Specialist
Phone:
Email: jbarton@hach.com

Howard Woodrow & Associates, Inc.

255 Bermuda Beach Drive
 Fort Pierce, FL 34949
 772-461-6227
 Fax 772-461-6231

Price Quote

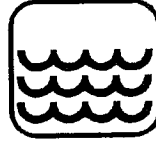
DATE	QUOTE #
6/7/2016	5520

NAME/ ADDRESS
Globaltech, Inc. Attention: Joshy Cheliparambil 6001 Broken Sound Pkwy NW, Ste 610 Boca Raton, FL 33487

TERMS	FOB	PROJECT
Net 30		PBC RW5 06-07-16

DESCRIPTION	QTY	PER UNIT	TOTAL
Eaton Cutler-Hammer 18 Pulse CPX Series VFD: 600HP, 460V, 730A per specs and plans. Dimensions: 93.5"H x 80"W x 32"D. Pricing includes Five Year Warranty, Spare Parts and Freight to Jobsite. Start Up and Training (3 Days per Spec). NOTE... TVSS added in pricing. Deduct \$750 if TVSS not required.	1	101,614.00 2,300.00	101,614.00 2,300.00
Subtotal			\$103,914.00
Sales Tax (6.0%)			\$6,234.84
TOTAL			\$110,148.84

All Prices Valid for 60 Days.
 FOB Factory.



Rockwell Automation
Water/Wastewater

Project Name: Palm Beach County - ECR
Reclaim Water Pump #5
Additional 600HP Drive

Proposal Date: July 13, 2016

Proposal Number: 71316LS

Prepared By: Lee Swank
Technical Consultant - Water/Wastewater

Phone: (813) 466-6472

FAX: (813) 466-6401

E-Mail: rlswank@ra.rockwell.com



**Rockwell
Automation**

BASE SCOPE OF SUPPLY

ITEM	QUANTITY	DESCRIPTION
1	1	600HP Reclaim Water Pump #5 Drive – PowerFlex 755 ND, 18-pulse, 480 VAC, 3 phase, 60Hz PWM Variable Frequency Drive rated for 710 amps continuous at 480 VAC. Packaged drive is complete with the items and features listed in spec section 16485 and as depicted on original manufacturing drawing set KPNC90 with exception of the RTD Monitor and DeviceNet communication. Drive is mounted in appropriate NEMA 1 type enclosure with main circuit breaker, 18 pulse hardware and DV/DT output filter. Drives will be wired per contract dwg E-9.

INCLUDED DRIVE EQUIPMENT OPTIONS

- Drive is supplied with 65K rated main circuit breaker and drive input fusing.
- Drive is 600HP 18 pulse hardware and DV/DT output filter.
- 115VAC control power with extra capacity.
- Door mounted HIM, appropriate operator pilot devices and LED lights.
- Drive enclosures are freestanding floor mount NEMA type 1, ventilated with fans and filters.
- 3 bay enclosure dimensions will be 101”H (w/top hat fan) x 101”W x 25”D.

COMMERICAL ITEMS

APPLICABLE SPECIFICATIONS

Our proposal is based on our best interpretation of Globaltech specification 16485 and drawing E-6 and E-9. They are the only specifications/drawings which shall apply to this proposal either directly or by reference. Any specifications not specifically included as part of this proposal are excluded from this offering.

COMMENTS & CLARIFICATIONS

Rockwell is acting as an equipment supplier only, not as a contractor or sub-contractor. The applicable specifications listed above are applicable only to the extent of the Rockwell "EQUIPMENT SUPPLIER" scope of supply as described in this proposal. Comments to this specification are listed below:

Drive Spec 16485

1.01B Drive is 18 pulse per spec.

SPARE PARTS

Drive spares per spec 3.05 are included.

STARTUP SUPERVISION AND FIELD TESTING

The services of a Rockwell Field Service Engineer for on-site startup, testing and training are included per spec section 3.03 and 3.04. However, with ref to spec 3.06, we will only assist with any functional, vibration, harmonic and performance testing. Actual equipment required, implementation and reporting will be supplied and conducted by others. Installation also to be supplied by others

SUBMITTALS AND APPROVAL DRAWINGS (if required)

6-8 weeks after receipt at Rockwell of an acceptable order with complete project engineering data.

SHIPMENT

Shipment will be 12-14 weeks after the receipt of approved submittal drawings at Rockwell. Shipment is estimated and is subject to confirmation at the time of order placement. Partial drive(s) shipment can be coordinated if necessary.

FREIGHT

Price is included FOB to jobsite or first destination within US, prepaid and allowed, with means of transport selected by Rockwell. Special means of transport or packaging required by customer will incur additional charges.

O&M MANUALS

Four bound copies of paper O&M manuals will be supplied. Additional two manuals will be supplied on CD.

WIRING

Power and motor cable termination lugs are the responsibility of the purchaser, not Rockwell, and exception is taken to same. Wire markers, if required by spec, are sleeve-type and applied to customer wiring points only.

STORAGE

Provisions must be made by the receiving party for storage in a clean, dry, temperature controlled facility immediately after conducting a thorough receiving inspection. In the event purchaser is unable to accept shipment upon notification of Rockwell's readiness to ship, goods shall be placed in suitable storage by Rockwell. Storage charges, (if applicable), will be billed.

WARRANTY

Drive parts and labor warranty per spec 1.05.

PRICE

Item 1(1) 600HP frame 8, ND, 710A 18p PF755 engineered drive.....\$ 139,655.31

Pricing does not include any state, sales, use or other taxes as may be applicable to this project. Pricing will be held for 90 days from bid date.

RIGHT TO INVOICE

Purchaser will be notified when Rockwell is ready to ship. Rockwell reserves the right, upon stated notification, to issue invoice for goods ready to ship notwithstanding purchaser's ability to accept shipment.

TERMS OF PAYMENT

Net 30 days after shipment, pending approval of our Credit Department. Retention is not allowed, unless special payment terms are agreed to prior to order entry.

TERMS AND CONDITIONS

This proposal becomes a valid contract only after it is accepted. It is subject to Allen-Bradley Terms and Conditions of Sale as outlined in Publication 6500 exclusively, except were noted above, or otherwise agreed in writing by authorized representatives of Rockwell Automation. Clerical errors and omissions are subject to correction.

Energy Efficient Electric, Inc.
1600 Mercer Ave. Unit 6
West Palm Beach, FL. 33401
Phone (561) 655-7211 Fax (561) 655-9661
Mobile (561) 722-1381
E-Mail Address: rene@energyeff.com
State License #EC 0001096

December 2, 2016
Revised Electrical Scope of Work
ECRWF Reclaimed Water Facility

Quote # 31111

We are pleased to provide your firm with our scope and proposal for the necessary electrical work on the above referenced project. Our scope and proposal is based on the drawings prepared by Globaltech, Inc.

Included:

1. Furnish and install a 1000 amp breaker for SWBD-1.
2. Furnish and install a 1000 amp motor termination box if this portion of the work is accepted.
3. Furnish and install (3) type 2 fixtures, (3) type 3 fixtures and (1) type 4 fixture.
4. Assist with the installation of the new VFD furnished by GT.
5. Assist with the installation of temp and vibration monitoring panel and support furnished by GT if that portion of the job is accepted.
6. Furnish and install conduit and wire as indicated on the drawings.
7. Install fiber optic and cat 6 cables furnished by GT. Termination by others.
8. Disconnect/reconnect (5) hypochlorite feed pumps.
9. **Cut into existing ductbank and extend existing (3) 4" conduits to the new pump 5 location.**
10. **Demo existing (2) sluice gate disconnects, power and controls.**
11. **Furnish and install conduit, wire and disconnects for the new bypass MOV's.**
12. **Furnish and install conduit and wire for the new turbidity analyzer within 10 feet of existing power and control panels at the FPL site.**

Excluded:

1. Permit fees.
2. Concrete pads.
3. Concrete and asphalt cutting and patching.
4. Sunshield per note 8 on drawing E-7.
5. Deleted (3) sets of 4 - 3/0 by 100 foot long portable power cables that went with the 1000 amp motor termination box.
6. Excavating existing ductbank, backfill and final restoration by GT.

<u>Base Bid</u>	<u>\$105,266</u>) <i>BASE BID</i>	
<u>Pump and monitor panel adder</u>	<u>\$ 4,555</u>		
<u>Termination box adder</u>	<u>\$ 33,099</u>		- <i>NOT INCLUDED</i>
<u>Pump 5 Relocation and MOV's</u>	<u>\$ 21,000</u>		
<u>Turbidity Analyzer</u>	<u>\$ 3,000</u>		

We appreciate the opportunity to quote your organization on this project. If you have any questions, please call me at the office.

Thank You Very Kindly,

Rene Viau
Vice President

Residential ----- Lighting Systems ----- Commercial ----- Industrial

Energy Efficient Electric, Inc.
1600 Mercer Ave. Unit 6
West Palm Beach, FL. 33401
Phone (561) 655-7211 Fax (561) 655-9661
Mobile (561) 722-1381
E-Mail Address: rene@energyeff.com
State License #EC 0001096

November 18, 2016

Revised Electrical Scope of Work
ECR Simplex Station *E-1 PUMP STATION*

Quote # 31153

We are pleased to provide your firm with our scope and proposal for the necessary electrical work on the above referenced project. Our scope and proposal is based on the drawings prepared by Mathews Consulting dated January 2015 and Jordan Jones and Goulding.

Included:

1. Furnish and install a new 30 amp disconnect and panel support at both lift stations.
2. Assist with the installation of the control panel furnished by GT at both lift stations.
3. Furnish and install conduit and wire within 60 feet of existing Sodium Hypochlorite electrical building for power and 4 signals at the west lift station and up to 150 feet for power and controls from the new warehouse for the east lift station. **Excavation, backfill, dewatering and final restoration by GT.**
4. Underground conduits to be encased in concrete.
5. Furnish and install grounding as indicated on the drawings.

Excluded:

1. Permit fees.
2. Concrete slab.
3. PLC programming.

<u>West LS</u>	<u>\$11,500</u>
<u>Eat LS</u>	<u>\$14,800</u>
<u>Lump Sum</u>	<u>\$26,300</u>

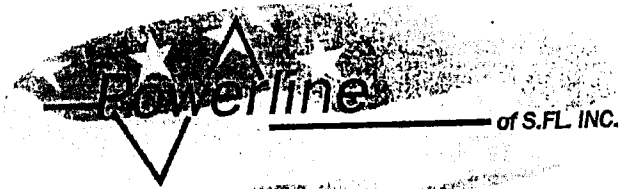
We appreciate the opportunity to quote your organization on this project. If you have any questions, please call me at the office.

Thank You Very Kindly,

Rene Viau

Vice President

Residential ----- Lighting Systems ----- Commercial ----- Industrial



State Certificate # EC-13003753

Date: 6 Jun. 16

To: Globaltech, Inc.
1075 Broken Sound Pkwy NW
Suite 103
Boca Raton, FL 33487

Attention: Bruce Rahmani

We Purpose to provide a complete Electrical Installation per Plans and Specifications.
For ECRWRF R. Water. Mod. PBCWUD 16-056

Electrical Plans E-1 -E-6 revised

1. Added \$1800.00 for Shed Removal/reinstall

Excluded

- 1. V.F.D. supplied by others*
- 2. Vibration Panel supplied by others*

This Proposal subject to renegotiation after (90 Day Period)

Purposed Base Amount: \$ 129,500.00
(One Hundred Twenty Nine Thousand Five Hundred Dollars)
Add \$31,600.00 Quick Connect with 100' 4-4/0 cable

Thank you for the opportunity to provide this Proposal.

Sincerely

Thomas Laessig
President

711 Commerce Way Suite # 6 Jupiter, FL. 33458
Ph. 561-575-4270 Fax 561-575-4269 Email: PowerlineOfSouth@bellsouth.net