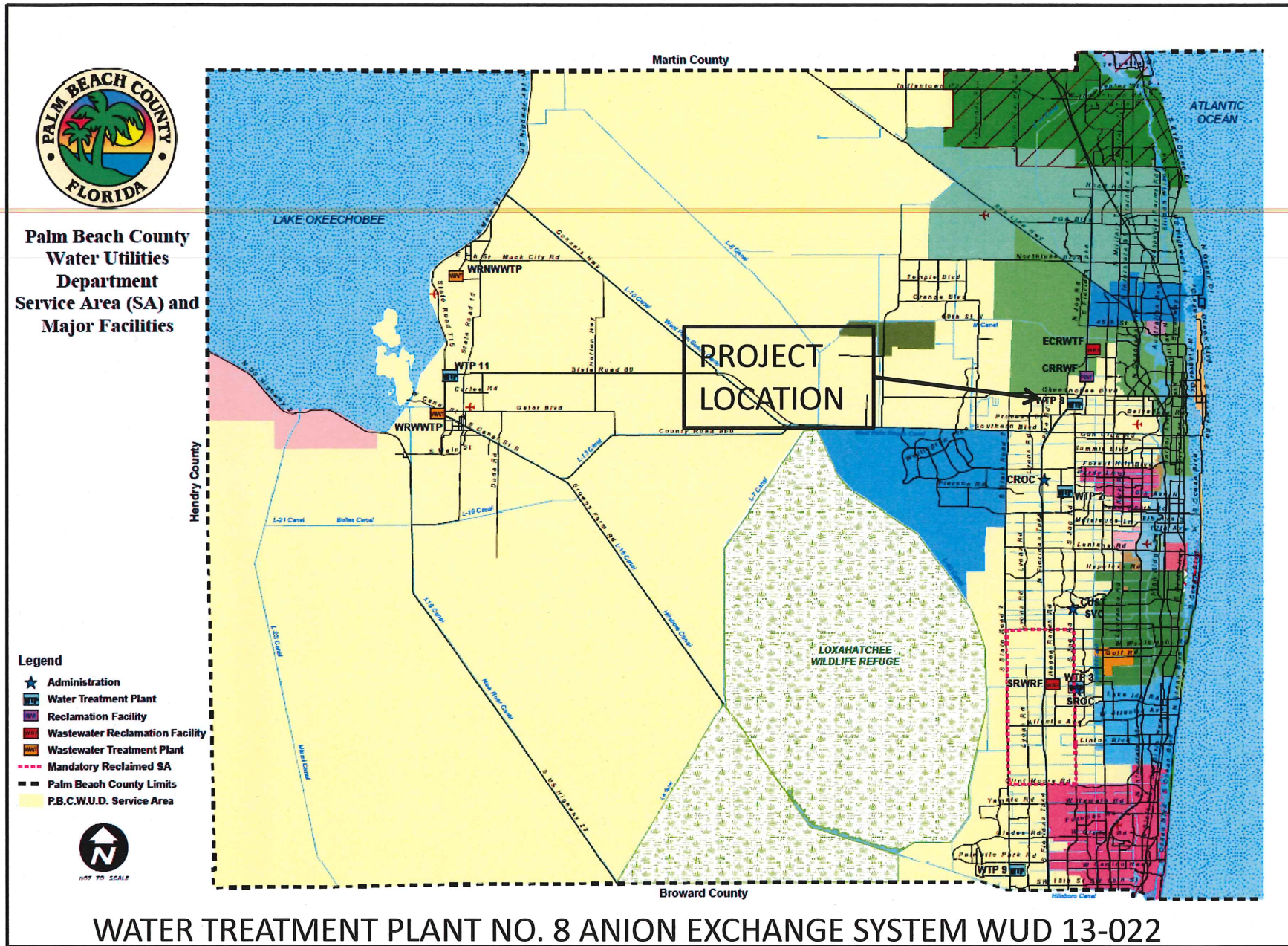






# LOCATION MAP



**FIRST AMENDMENT TO  
CONTRACT FOR ENGINEERING/CONSULTING/PROFESSIONAL SERVICES  
WATER TREATMENT PLANT NO. 8 ANION EXCHANGE SYSTEM ENGINEERING  
DESIGN AND CONSTRUCTION SERVICES  
PROJECT NO. WUD 13-022 (TR04)**

This Amendment is made as of the day of \_\_\_\_\_ 20\_\_\_\_\_, by and between Palm Beach County, a Political Subdivision of the State of Florida, by and through its Board of Commissioners, hereinafter referred to as the COUNTY, and Globaltech, Inc. [ ] an individual, [ ] a partnership, [X] a corporation authorized to do business in the State of Florida, hereinafter referred to as the ENGINEER, whose Federal I.D. is 65-0577611.

In consideration of the mutual promises contained herein, the COUNTY and the ENGINEER agree that the Contract for Consulting/Professional Services entered into by the parties on October 21, 2014, and referenced by County Resolution Number R2014-1589 (hereinafter "the Contract"), is amended as follows:

1. Additional services are provided as contained in Exhibit A1 attached hereto and made a part hereof.
2. The compensation in R2014-1589 was a lump sum fee of \$982,499.23 plus an additional not to exceed amount of \$14,025.00 for a total of \$996,524.23. The lump sum amount is hereby increased by \$56,640.18 from \$982,499.23 to \$1,039,139.41 and the total compensation is including the not to exceed amount of \$14,025.00 is \$1,053,164.41 as contained in Exhibit B1 attached hereto and made part hereof.
3. The project schedule as depicted in R2014-1589 is increased by 30 calendar days as contained in Exhibit C1 attached hereto and made a part hereof.
4. The SBE schedules 1 and 2 are contained in Exhibit D1 attached hereto and made a part hereof for the additional services contained in this Amendment.

All other provisions in the Contract remain unchanged and in full force and effect.

IN WITNESS WHEREOF, the Board of County Commissioners of Palm Beach County, Florida has made and executed this Contract on Behalf of the COUNTY and ENGINEER has hereunto set its hand the day and year above written.

ATTEST:  
SHARON R. BOCK  
CLERK & COMPROLLER


PALM BEACH COUNTY, BY ITS  
BOARD OF COUNTY COMMISSIONERS

By: \_\_\_\_\_  
Deputy Clerk

By: \_\_\_\_\_  
Shelley Vana / Mayor

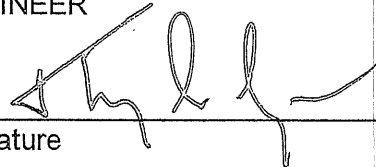
**FIRST AMENDMENT TO  
CONTRACT FOR ENGINEERING/CONSULTING/PROFESSIONAL SERVICES  
WATER TREATMENT PLANT NO. 8 ANION EXCHANGE SYSTEM ENGINEERING  
DESIGN AND CONSTRUCTION SERVICES  
PROJECT NO. WUD 13-022 (TR04)**

WITNESS:

  
Signature

Richard D. Olson, P.E.  
Name (Type or Print)

ENGINEER

  
Signature

Troy L. Lyn, P.E.  
Name (Type or Print)

Globaltech, Inc.  
Firm

Corporate Seal)

APPROVED AS TO FORM  
AND LEGAL SUFFICIENCY

By: \_\_\_\_\_  
Assistant County Attorney

APPROVED AS TO TERMS  
AND CONDITIONS

By:   
Department Director

## EXHIBIT A1 SCOPE OF WORK

### BACKGROUND

The design of a new anion exchange system at Water Treatment Plant #8 is currently underway by the CONSULTANT under this CONTRACT. The COUNTY has requested that the design, permitting, and bidding assistance for a new plant site lift station and backup weir structure with pumps at the lime sludge pond be added to that CONTRACT. The COUNTY originally excluded the design of the new larger plant site lift station from the original design work as the design of the new lift station was to be done by the COUNTY prior to the construction of the new anion exchange system. The design of the new forcemain associated with the new lift station is currently being designed by the COUNTY. The new larger plant lift station will receive the waste brine and backwash from the anion exchange regeneration vessels, the existing sanitary flows from the plant and laboratory sample sinks, and wash down water from the vacuum filters. The backup weir structure at the lime sludge pond was identified as an additional need to remove decanted water from the pond for disposal to the new lift station when the filter backwash recovery basin is taken off line for cleaning and the pond is at capacity.

### SCOPE OF SERVICES

This Amendment to the Contract includes the design, permitting, and bidding assistance for the construction of a new submersible plant lift station and sludge pond backup weir structure / pump station at Water Treatment Plant #8.

CONSULTANT shall perform the Engineering Scope of Services as described herein.

- A submersible, tri-plex plant site lift station to handle approximately 1,000 gpm peak flow. The new station will receive flow from anion exchange regeneration from the waste holding tank (repurposed 1.25 MG storage tank), existing sanitary flows from the plant and laboratory sample sinks, wash down water from sludge vacuum filters, new analyzers sample lines, air scour drain, and lime sludge pond overflow. The lift stations valves shall be above ground rather than in a vault. It is anticipated that the three pumps will be rated at 25 HP and the lift station control panel will utilize soft starts for the motors. The scope of services includes all associated electrical and instrumentation.
- Conversion of the existing lift station into a terminal manhole.
- Gravity line extended from terminal manhole (converted lift station) to convey flow to new plant site lift station
- Discharge forcemain within 50 ft of new lift station location to new 12-inch forcemain currently under design by COUNTY.
- A new weir structure at the lime sludge pond to allow for the decanted flow to be captured and transferred to the new plant site lift station via submersible pump and pipeline.

## Task 1 – Design

- 1.1 The CONSULTANT will provide Engineering services consisting of preparation of Plans and Specifications for the newly proposed items identified above. The Plans and Specifications will be sufficient to convey the extent and nature of the work to be accomplished. COUNTY's standard lift station, wastewater, and water details will be utilized for the preparation of the plans. Available survey information, including location and layout of existing facilities, topographic information, easements and rights-of-way, etc. shall be utilized. This information will be used to prepare base drawings for the existing facilities and the proposed facilities. A limited geotechnical evaluation will be conducted, identifying the soil conditions in the area of the new plant site lift station utilizing a 30 ft deep soil boring and in the area of the weir structure utilizing a 15 ft deep soil boring.
- 1.2 The CONSULTANT shall prepare design documents consisting of 90% (plan and profile) drawing and technical specifications for COUNTY review. Upon completion of the 90% review, the CONSULTANT shall proceed with the preparation of the 100% complete design drawings, technical specifications and construction cost estimate. Design documents shall include the civil, mechanical, electrical and I&C design for the above items. The design shall be incorporated into the overall project plan for the Water Treatment Plant No.8 Anion Exchange System.

Plans will utilize PBC standard submersible lift station detail and standard details as applicable. Tables and notes on the drawings will be utilized for pump information and other information as appropriate. The COUNTY's Minimum Design & Construction Standards will be supplemented with the CONSULTANT's standard specifications as applicable to the project for preparation of the project technical specifications to be included in the bidding documents.

The plans and specifications for this Supplement will be incorporated into the project deliverables for the original anion exchange system project. This includes half size (11" x 17") review sets of plans, CAD files and PDF files of the final (100% complete) drawings, "Word" files and one set of un-bound technical specifications and a bid schedule for preparation of bid sets.

- 1.3 CONSULTANT shall attend and participate in two project/site meetings with COUNTY staff to review and discuss the design or scope of work.
- 1.4 CONSULTANT shall include the items described above in the Engineer's opinion of probable construction cost based on the 100% complete design.

## Task 2 – Permitting

- 2.1 CONSULTANT shall incorporate the items described above into the construction permit application to the Palm Beach County Health Department. Consultant will respond to all requests for additional information required to obtain the permit.
- 2.2 Provide signed/sealed copies of the drawings and well as Engineering calculations for the plant lift station sizing and criteria and uplift calculations for permitting as required.

- 2.3 CONSULTANT shall incorporate these addition plans into the Palm Beach County Building Department permit sets. Consultant will respond to all requests for additional information required to obtain the permit.

### Task 3 – Bidding Assistance Services

- 3.1 Respond to questions bidders may have concerning the bid documents and prepare addenda as necessary to clarify the bid documents for the items described above.
- 3.2 Attend the pre-bid meeting with the COUNTY, Contractors, and other interested parties.
- 3.3 Provide recommendation for award as provided in the CONTRACT

### COMPENSATION

The CONSULTANT will be compensated in accordance with the budget contained in the original CONTRACT supplemented with the attached budget summary (Exhibit B1), a lump sum amount of \$56,640.18. Monthly progress payments will be authorized based on percent complete as determined by CONSULTANT and approved by the COUNTY.

### OTHER PROVISIONS

All exclusions and additional provisions agreed to in the original contract are to remain in full effect during the implementation of the project. Certain assumptions have been made in preparing this Scope of Services. To the extent possible, these assumptions are stated herein and are reflected in the budget for services.

- This scope of services is for design, permitting and limited bidding services. Services during construction and preparation of record drawings are not included and will be considered additional services, if required.
- New forcemain extending from the new lift station to the tie-in point on Belvedere Road are assumed to be designed and permitted by Others (COUNTY).
- If the work tasks required are different from the assumptions presented herein or if CONSULTANT/COUNTY desires additional services, the resulting change in scope may serve as a basis for modifying this Supplement's scope and fee as agreed to by both COUNTY and CONSULTANT.
- Consistent with the professional standard of care and unless specifically provided herein, CONSULTANT shall be entitled to rely upon the accuracy of data and information provided by the COUNTY or others without independent review or evaluation.



- CONSULTANT is not responsible for the means, methods, sequences, techniques or procedures of the COUNTY or the COUNTY Contractor's operations or safety precautions and programs.
- COUNTY will pay for all permit fees.

EXHIBIT B1  
BUDGET SUMMARY

**EXHIBIT B1**  
**PBCWUD WTP 8 Anion Exchange System Engineering Design - Amendment 1**

**Budget Summary**

Task	Task Description	E6	E6	E5	E4	T5	Office	Office	Total Labor	*Sub-Consultant Services	Sub-Consultant
		\$57.68	\$58.47	\$52.00	\$44.00	\$28.56	\$29.65	\$17.68			
2C	Design										
	Project Management/Coordination		8					4	4		
	Civil/Mechanical design		4			6			2	\$ 17,516.47	MC
	Soil Boring/Geotechnical Design		4						2	\$ 4,000.00	DET
	Electrical/I&C Design		4			6			2	\$ 22,500.00	HEE
	Prepare Cost Estimate	1	1		2						
	Site/Review Meetings		6								
	Subtotal Task 2C	1	27	0	2	12	4	10	\$ 2,362.49	\$ 44,016.47	
3	Permitting Services										
	Project Management/Coordination		2					2			
	FDEP/PBCHD Permit		2						2	\$ 2,292.30	MC
	Subtotal Task 3	0	4	0	0	0	2	2	\$ 328.54	\$ 2,292.30	
4	Bidding Services										
	Project Management/Coordination		2					2	2		
	Bidding Assistance	2				2			2		
	Subtotal Task 4	2	2	0	0	2	2	4	\$ 419.44	\$ -	
	Labor Hours	3	33	0	2	14	8	16			
	Labor Costs	\$173.04	\$1,929.51	\$0.00	\$88.00	\$399.84	\$237.20	\$282.88	\$3,110.47		
	Labor Multiplier	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00		
	Labor Total	\$519.12	\$5,788.53	\$0.00	\$264.00	\$1,199.52	\$711.60	\$848.64	\$9,331.41		
	Subconsultant Total									\$ 46,308.77	
	Subconsultant Multiplier									1.0	
	Subcontract Total									\$ 46,308.77	
	Reimbursable Expenses									\$ 500.00	MC
	Reimbursable Expenses									\$ 500.00	
	LUMP SUM TOTAL									\$56,640.18	

Subconsultants:

MC - Mathews Consulting

DET - Dunkelberger Engineering & Testing, Inc., A Terracon Company

HEE - Hillers Electrical Engineering

Total Contract amount not to exceed amount of \$1,053,164.41

**EXHIBIT C1  
PROJECT SCHEDULE**

The completion dates for this work will be as follows (starting from CONSULTANT'S receipt of Notice to Proceed [NTP]). This schedule updates the schedule labeled "Attachment B" included in the original contract.

<i>Engineering Services</i>	<i>Original Contract Date from NTP</i>	<i>Revised Completion Date from NTP</i>
Task 1 – Preliminary Design	100 days	100 days (no change)
Task 2 – Design for Bidding*		
30% Design	150 days	150 days (no change)
60% Design	210 days	210 days (no change)
90% Design	255 days	285 days (30 additional days)
100% Design	285 days	315 days
Task 3 – Permitting Services	330 days	330 days
Task 4 – Bidding Services	330 days	360 days

\*Includes 2 weeks of review time for COUNTY for each design period

The three (3) year term of the original Contract R2014-1589 remains the same.

EXHIBIT D1  
SBE SCHEDULE 1 AND 2

**EXHIBIT 01**

**SCHEDULE #1**

**LIST OF PROPOSED SBE-M/WBE PRIME/SUBCONSULTANTS**

PROJECT NAME: PBCWUD WTP 8 Anion Exchange System - Amendment 1 PROJECT NUMBER: WUD 13-022

NAME OF PRIME BIDDER: Globaltech, Inc. ADDRESS: 6001 Broken Sound Pkwy NW Ste. 610, Boca Raton, FL 33487

CONTACT PERSON: Bernard P. Gandy, President PHONE NO. 561-997-6433 FAX NO. 561-997-5811

BID OPENING DATE: N/A DEPARTMENT N/A

**PLEASE IDENTIFY ALL APPLICABLE CATEGORIES**

Name, Address and Telephone Number of Minority Consultant	(Check one or both Categories)					Dollar Amount	
	Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
Globaltech, Inc. 6001 Broken Sound Pkwy NW, Ste. 610, Boca Raton, FL 33487	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$ 9,831.41	\$
Hillers Electrical Engineering, Inc. 23257 State Rd 7, Ste. 100, Boca Raton, FL 33428	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$ 22,500.00	\$	\$	\$
Matthews Consulting, Inc. 1475 Centrepark Blvd. Ste. 250, West Palm Beach, FL 33401	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$ 20,308.77	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
<b>PRIME CONSULTANT TO COMPLETE:</b>			\$	\$	\$	\$	\$
		<b>TOTAL</b>	\$	\$ 22,500.00	\$ 20,308.77	\$ 9,831.41	\$
<b>BID PRICE: \$ 56,640.18</b>			Total Value of SBE Participation:	\$ 52,640.18			

- NOTE:**
1. The amount listed on this form for a Subconsultant must be supported by price or percentage included on Schedule 2 or a proposal from each Subconsultant 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.

EXHIBIT D 1

SCHEDULE 2

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

PROJECT NO. WUD 13-022

PROJECT NAME: PBCWUD WTP 8 Anion Exchange System – Supplement 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: November 24, 2012

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>2C</u>	<u>Design</u>	<u>1</u>	<u>L.S.</u>	<u>\$ 7,487.47</u>
<u>3</u>	<u>Permitting Services</u>	<u>1</u>	<u>L.S.</u>	<u>\$ 1,035.62</u>
<u>4</u>	<u>Bidding Services</u>	<u>1</u>	<u>L.S.</u>	<u>\$ 1,308.32</u>

at the following price

\$ 9,831.41 (Nine thousand eight hundred thirty one dollars and forty-one cents)

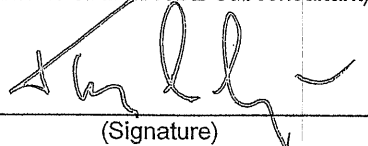
(Subconsultant's Quote)

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 subconsultant, the amount of any such subcontract must be stated: \$ \_\_\_\_\_

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 Subconsultant)

By:   
(Signature)

Troy L. Lyn, P.E./Vice President  
(Print name/title of person executing on behalf of SBE-M/WBE Subconsultant)

Date: May 7, 2015

*EXHIBIT*  
**ATTACHMENT D 1**

**SCHEDULE 2**

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

PROJECT NO. WUD 13-022

PROJECT NAME: PBCWUD WTP 8 Anion Exchange System – Supplement 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 XX      Minority Business Enterprise \_\_\_\_\_

Black \_\_\_\_\_ Hispanic XX Women \_\_\_\_\_ Caucasian \_\_\_\_\_ Other (Please Specify) \_\_\_\_\_

Date of Palm Beach County Certification: October 17, 2012.

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>2C</u>	<u>Design Services</u>	<u>1</u>	<u>L.S.</u>	<u>\$22,500.00</u>

at the following price:

\$ 22,500.00 (Twenty two thousand five hundred dollars and no cents)  
(Subconsultant'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 subconsultant, the amount of any such subcontract must be stated: \$ \_\_\_\_\_

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 Subconsultant)

By: \_\_\_\_\_  
(Signature)

Paul Hillers, President  
(Print name/title of person executing on behalf of SBE-M/WBE Subconsultant)

Date: May 1, 2015



**From:** Troy Lyn  
**Sent:** Friday, April 17, 2015 2:44 PM  
**To:** Rebecca Thomas  
**Subject:** FW: WTP Ion Exchange

---

**From:** Paul F. Hillers [<mailto:phillers@hillersee.com>]

**Sent:** Friday, April 17, 2015 2:43 PM

**To:** Troy Lyn

**Cc:** 'Thein Win'; 'Jacki Yasin'

**Subject:** WTP Ion Exchange

Hi Troy;

below is our additional fee for the additional/relocation lift station and additional pond pump.

Our 60%,90% and 100% design fee for the above scope is \$ 22,500.

Please keep me posted.

Paul Hillers, P.E., President

Hillers Electrical Engineering, Inc.

23257 State Road 7, Suite 100

Boca Raton, FL 33428

tel 561-451-9165 x221

EXHIBIT  
ATTACHMENT D 1

SCHEDULE 2

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

PROJECT NO. WUD 13-022

PROJECT NAME: PBCWUD WTP 8 Anion Exchange System – Supplement 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 10, 2013.

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>2C</u>	<u>Design Services</u>	<u>1</u>	<u>L.S.</u>	<u>\$17,916.47</u>
<u>3</u>	<u>Permitting</u>	<u>1</u>	<u>L.S.</u>	<u>\$ 2,392.30</u>

at the following price

\$ 20,308.77 (twenty thousand three hundred eight dollars and seventy-seven cents)

(Subconsultant'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 subconsultant, the amount of any such subcontract must be stated: \$ \_\_\_\_\_

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

Mathews Consulting, Inc.  
(Print Name of SBE-M/WBE Subconsultant)

By: \_\_\_\_\_  
(Signature)

Bene Mathews, Pres.  
(Print name/title of person executing on behalf of SBE-M/WBE Subconsultant)

Date: May 1, 2015



April 28, 2015

Mr. Troy Lyn  
Globaltech, Inc.  
6001 Broken Sound Pkwy. N.W., Suite 610  
Boca Raton, FL 33487

Palm Beach County Water Utilities  
Water Treatment Plant No. 8 AIX Project  
Revised Scope of Services

Dear Troy:

We are pleased to submit herewith a Revised Scope of Services for the referenced project. The following revisions are proposed:

- Remove the engineering services associated with the brine tank disposal system. This scope is no longer required as PBCWUD/Globaltech has elected to repurpose the existing 1.25 MG storage tank for this use. All engineering services associated with re-purposing the tank will be performed by Globaltech.
- Add engineering services associated with design and permitting of a new Plant Site Lift Station. Scope of work includes the following:
  - Design of a new Submersible, tri-plex lift station to handle approx. 1,000 gpm peak flow. The new station will receive flow from brine waste, anion exchange regeneration backwash (from Waste Holding Tank), existing sanitary flows from the plant and laboratory sample sinks, wash down water from the sludge vacuum filters, new analyzer sample lines, air scour drain, and Lime Sludge Pond overflow. It is estimated that three submersible pumps rated for 25 Hp will be required for this purpose. The new submersible lift station is proposed to be located east of the existing lift station and east of the existing driveway. The lift station and associated gravity piping and forcemain piping will be located outside of the 100-foot setback distance from Well No. 14. Lift station discharge piping and valves shall be located above grade at the station.
  - The existing lift station will be demolished, as required, and converted into a terminal manhole. A gravity line will be extended from the terminal manhole to convey flow to the new Plant Site Lift Station.

- The discharge forcemain from the new Plant Site Lift Station will tie-in to a new 12-inch forcemain currently under design by PBCWUD. The tie-in location will be within 50 feet of the new lift station location.
- Add engineering services associated with design and permitting of new weir structure at the Lime Sludge Pond to allow decanted flow to be captured and transferred to the new Plant Site Lift Station. Captured decant flow shall be transferred through the use of a duplex, centrifugal or submersible pump station located adjacent to the pond. A gravity piping option shall also be evaluated. The 100-foot setback from Well No. 14 will have to be maintained. Cross-connection protection will be implemented between the sludge pond and the lift station.
- Add engineering services to provide assistance to Globaltech in the preparation of permit application to the Palm Beach County Health Department for Construction of Potable Water System Components for the new Plant Site Pump Station.

## Scope of Services

### TASK 1 – Design

MC shall prepare design documents consisting of 90% (plan and profile) drawings and technical specification sections for the proposed improvements. The above drawings and specifications will be furnished to provide sufficient detail as a basis for a 90% design review by the County. MC shall furnish two (2) copies and a PDF copy of the 90% design documents to Globaltech for review. Upon completion of the 90% review, MC shall proceed with the preparation of 100% completion design drawings, technical specifications and construction cost estimate.

MC shall provide two (2) copies and a PDF copy of the 100% review sets, consisting of design drawings, specifications and construction cost estimate as previously described above, to Globaltech for review.

Each modification to the cost opinion shall reflect changes in general scope, extent or character incorporated during previous design reviews with County staff.

MC shall prepare all drawings utilizing AUTOCAD Version 2013 software.

MC shall furnish six (6) signed and sealed, 100% completion drawings and one set of CADD and PDF drawing files on CD to Globaltech for use by the COUNTY.

MC shall attend a meeting for each of the design submittal stages to receive and discuss design review comments (maximum of two (2) meetings).

MC shall conduct QA/QC design review of the Contract documents at 90% and 100% submittal stages of the project. Design review shall be performed for the purpose of providing project document clarification, uniformity, and consistency. Design review shall also be conducted for the purpose of constructability.

## TASK 2 – Permitting

Mathews Consulting shall provide assistance to Globaltech in the preparation of the permit application to the Palm Beach County Health Department for Construction of Potable Water System Components for the new Plant Site Pump Station. MC shall provide signed/sealed drawings, as well as signed/sealed engineering calculations for the Plant Site Lift Station sizing criteria and uplift calculations.

Consultation services shall include responding to request(s) for additional information from the regulatory agency for the Plant Site Lift Station design.

## ASSUMPTIONS

The following assumptions have been used by MC in the preparation of this Scope of Work:

- Plant Site Lift Station forcemain extending from the station to the tie-in point on Belvedere Road to be designed and permitted by Others (PBCWUD).
- With the exception of the gravity piping from the existing lift station and from the Lime Sludge Pond, all gravity piping and/or pressure piping from plant process systems to the new Plant Site Lift Station shall be designed by Globaltech. MC shall coordinate gravity piping tie-in locations to the wetwell with Globaltech.
- Globaltech will assist in determination of flows to each of the lift station and/or pump stations to be designed.
- Electrical and instrumentation design for the pump stations shall be provided by others (Hillers).
- Globaltech shall furnish the services of a professional geotechnical engineer to provide subsurface investigations of the project area that will include one (1) 30-foot deep standard penetration test and the Plant Site Lift Station, and one (1) 15-foot standard penetration test at the pond pump station. A copy of the geotechnical engineering evaluation report which will include the results of the standard penetration tests and other geotechnical testing requested by others shall be provided to MC for informational purposes.

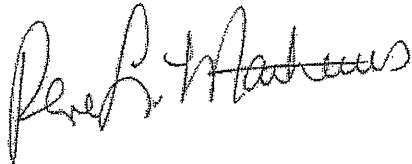
## FEES

The fees for this Scope of Work are \$20,308.77 as detailed in the attached Fee Schedule.

We appreciate the opportunity to continue providing services to Globaltech on this project. Should you have any questions regarding this proposal, please contact me at 561-655-6175.

Very Truly Yours,

MATHEWS CONSULTING, INC.



Rene L. Mathews, P.E.  
President

C: Rebecca Travis, MC  
Jason Pugsley, MC  
File: PBCWUD #1775 / Corresp. w/ Globaltech

<b>Mathews Consulting - Civil, Brine Tank, Survey, Site Plan Services</b>									
<b>PBCWUD WTP #8 AIX Project - Amendment No. 1</b>									
<b>Fee Proposal Summary</b>									
<b>Labor Classification and Hourly Rates</b>									
Task	Task Description	Principal \$163.35	Principal \$163.35	Senior Engineer \$142.56	Resident Engineer \$112.86	Senior Eng. Technician \$100.00	Clerical \$70.00	Total Labor	Sub- Consultant Services
<b>1</b>	<b>Design</b>								
	Credit for deletion of Brine Waste Tank Design	-4		-92		-40		(\$17,768.92)	
	90% Design Drawings, Specs & Cost Estimate		25	80		40		\$19,488.55	
	100% Design Drawings, Specs & Cost Estimate		20	25		40		\$10,831.00	
	Review/Design Coordination Meetings		4	4				\$1,223.64	
	QA/QC	16			10			\$3,742.20	
	<b>Additional Fees Subtotal</b>	<b>12</b>	<b>49</b>	<b>17</b>	<b>10</b>	<b>40</b>	<b>0</b>	<b>\$17,516.47</b>	<b>\$0</b>
<b>5</b>	<b>Permitting</b>								
	PBC Health Dept. Application documentation		2	10		4	2	\$2,292.30	
	<b>Additional Fees Subtotal</b>	<b>0</b>	<b>2</b>	<b>10</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>\$2,292.30</b>	<b>\$0</b>
	Labor Subtotal Hours	<b>12</b>	<b>51</b>	<b>27</b>	<b>10</b>	<b>44</b>	<b>2</b>	<b>\$19,808.77</b>	<b>\$0</b>
	Labor Subtotal Costs	\$1,960.20	\$8,330.85	\$3,849.12	\$1,128.60	\$4,400.00	\$140.00		
	<b>Labor Total Costs</b>	<b>\$19,808.77</b>							
	Subconsultant Costs Total	\$0.00							
	Subconsultant Multiplier	1.1							
	<b>Subconsultant Total</b>	<b>\$0.00</b>							
	<b>Reimbursable Expenses</b>	<b>\$500.00</b>							
	<b>Project Total</b>	<b>\$20,308.77</b>							

