

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY**

Meeting Date: April 2, 2013

**Consent [X]
Public Hearing []**

Regular []

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Supplement No. 3 to Work Authorization No. 50 with Globaltech, Inc. (R2011-0957) for Lake Region Water Treatment Plant (WTP) Energy Recovery System Improvements in the amount of \$180,385.41 and increasing the contract time by 240 days.

Summary: On June 21, 2011, the Palm Beach County Board of County Commissioners (BCC) approved Work Authorization No. 50 with Globaltech, Inc. (R2011-0957) for Lake Region WTP Energy Recovery System Improvements in the amount of \$1,799,365. This Supplement increases the contract time by 240 days and contract amount by \$180,385.41. The original Work Authorization provided for the installation of Energy Recovery Devices (ERD's) in all four (4) membrane trains at the Lake Region WTP. When existing equipment and materials were disassembled to install the ERD's, it was discovered that several equipment and material items, not included in the original scope of work, were deteriorated and not functioning properly. These items included control valves, check valves, orifice flow meter, pressure gauges and stainless steel piping and needs to be replaced before installation of the ERD's can proceed. 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% overall. This Supplement includes 97.22% overall SBE participation. The cumulative SBE participation, including this Supplement is 76.91% overall. Globaltech, Inc. is a Palm Beach County company. (WUD Project No. 11-114) District 6 (JM)

Background and Justification: On June 21, 2011, the Palm Beach County Board of County Commissioners (BCC) approved Work Authorization No. 50 with Globaltech, Inc. for Lake Region Water Treatment Plant Energy Recovery System Improvements. This Supplement No. 3 will authorize the Contractor additional fees and time to correct existing deficiencies, not in the original scope of work, in order for the installation of the Energy Recovery Devices to proceed.

Attachments:

1. Location Map
2. Two (2) Original Supplement No. 3

Recommended By:


Department Director

3/8/13

Date

Approved By:


Assistant County Administrator

3-26-13

Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

| Fiscal Years | 2013 | 2014 | 2015 | 2016 | 2017 |
|--|----------------------------|-------------|-------------|-------------|-------------|
| Capital Expenditures | <u>\$180,385.41</u> | 0 | 0 | 0 | 0 |
| External Revenues | 0 | 0 | 0 | 0 | 0 |
| Program Income (County) | 0 | 0 | 0 | 0 | 0 |
| In-Kind Match County | 0 | 0 | 0 | 0 | 0 |
| NET FISCAL IMPACT | <u>\$180,385.41</u> | 0 | 0 | 0 | 0 |
| # ADDITIONAL FTE POSITIONS (Cumulative) | 0 | 0 | 0 | 0 | 0 |

Budget Account No.: Fund 4011 Dept 721 Unit W026 Object 6541

Is Item Included in Current Budget? Yes **X** No

Reporting Category **N/A**

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

One (1) time capital expenditure from user fees with balance brought forward.

C. Department Fiscal Review: My Expense

III. REVIEW COMMENTS

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

OFMB 3/14/2013

Dr. J. Jacob 3125113
Contract Development and Control
3-25-13 *B. Keeler*

B. Legal Sufficiency:

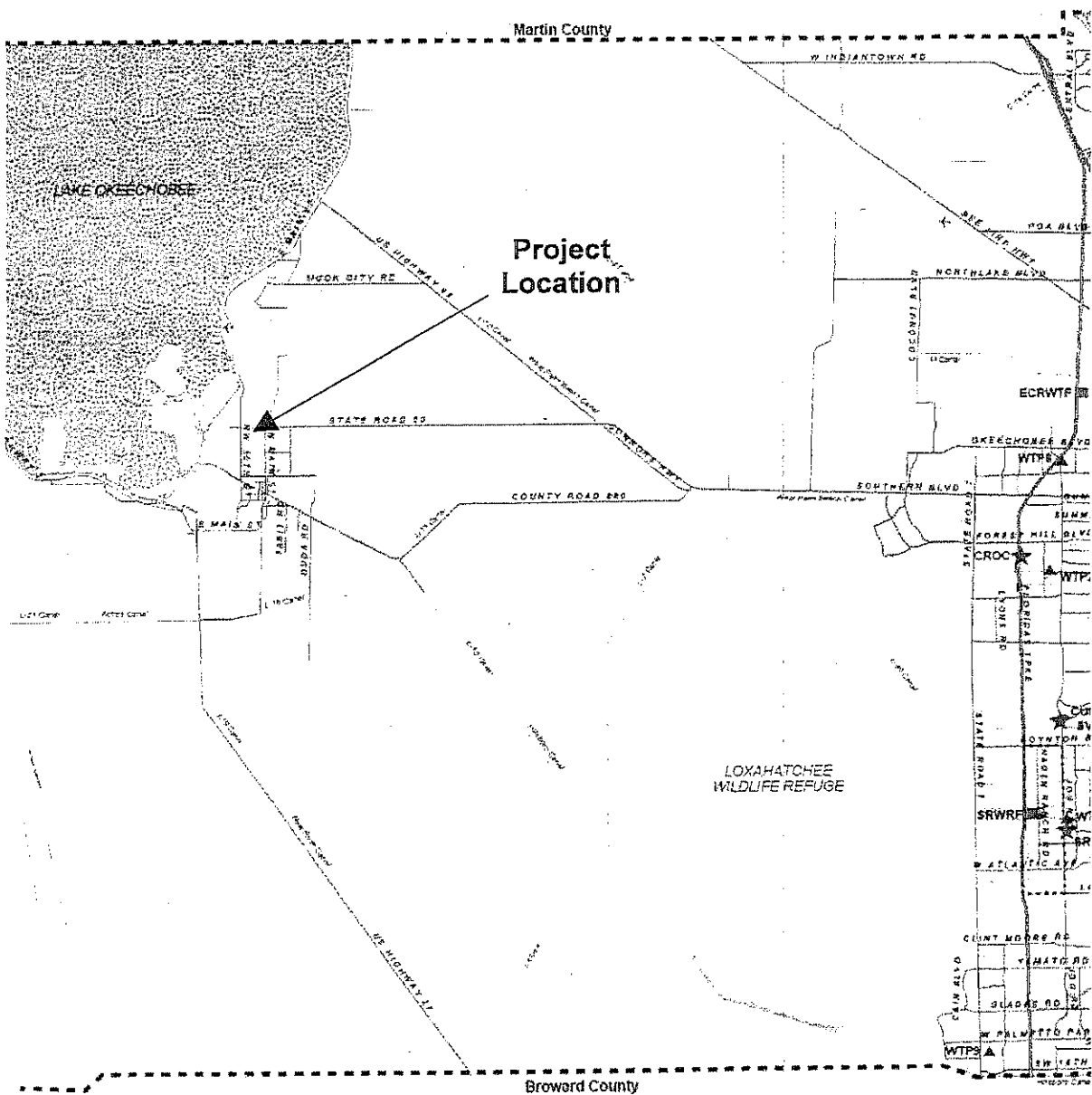
Assistant County Attorney 3/25/13

C. Other Department Review:

Department Director

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

Location Map



A 50.1 – Lake Region WTP RO Skid Energy Recovery System Improvements WUD Project No. 11-114

**WORK AUTHORIZATION NO. 50
SUPPLEMENT NO. 3**

Project No. WUD 11-114

Budget Line Item No. 4011-721-W026-6541

Project Title: Lake Region WTP RO Skid Energy Recovery System Improvements

District No.: 6

THIS SUPPLEMENT NO. 3 TO AUTHORIZATION NO. 50, to the Contract for Optimization and Improvements Design-Build Services dated December 16, 2008 with an effective date of December 16, 2008 (Optimization and Improvements Design-Build Contract R2008-2323), by and between Palm Beach County and the Design-Build Entity identified herein, is for the Construction Services described in Item 3 of this Authorization. The Contract provides for 75% SBE participation overall. This Supplement 3 to Work Authorization 50 provides for 97.22% additional participation. The cumulative SBE participation for all of Globaltech's assignments, including this authorization is 76.91% overall.

1. DESIGN-BUILD ENTITY: **Globaltech, Inc.**
2. ADDRESS: **1075 Broken Sound Pkwy NW, Suite 103, Boca Raton, FL33487**
3. Description of Services to be provided by the Design-Build Entity:

Work Authorization 50 provide for the installation of energy recovery devices (ERDs) and associated improvements for the four existing reverse osmosis (RO) skids at the Lake Region Water Treatment Plant. During the installation of the improvements, Globaltech was requested by the PBCWUD to make additional improvements to skids that were not previously identified. The work includes miscellaneous piping improvements and control valve replacement. Additional time (240 days) is required for the work and delays resulting from the installation of two new variable frequency drives for the RO skids.

See EXHIBIT "A".

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

See EXHIBIT "B" and "C".

5. Design-Build Entity shall begin work promptly on the requested services.
6. The compensation to be paid to the Design-Build Entity for providing the requested services shall be:
 - A. Computation of time charges plus expenses, not to exceed \$ N/A

- B. Lump Sum, Not to Exceed Price of an addition of \$180,385.41 (total fee \$2,078,955.41).
- C. Guaranteed Maximum Price of \$ N/A.
- 7. This Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Design-Build Entity, the Design-Build Entity shall be compensated for all services performed through the date of termination, together with reimbursable expenses (if applicable) then due.
- 8. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated 12/16/08 with an effective date of 12/16/08 remain in full force and effect.

PROJECT NO. WUD 11-114

AUTHORIZATION NO. 50.3

IN WITNESS WHEREOF, the Board of County Commissioners of Palm Beach County, Florida, has made and executed this Contract on behalf of the said County and caused the seal of the said County to be affixed hereto, and the Design-Build Entity has hereunto set his hand and seal the day and year written. The Design-Build Entity represents that it is authorized to execute this contract on behalf of itself and its Surety.

ATTEST:

SHARON R. BOCK
CLERK AND COMPTROLLER

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

APPROVED AS TO FORM AND LEGAL
SUFFICIENCY

By: _____
Steven L. Abrams, Mayor

APPROVED AS TO TERMS AND
CONDITIONS

Assistant County Attorney

Bevin A. Beaudet, Director
Water Utilities Department

GLOBALTECH, INC.

(Witness signature)

By: _____
Title: President
Florida
(Insert state of corporation)

Richard D. Olson
(Witness name printed)

(Date of execution)

(Witness signature)

Rebecca Koontz
(Witness name printed)

1075 Broken Sound Pkwy NW, Suite 103
Boca Raton, FL 33487
(Design-Build Entity's City, State, Zip Code)

(Corporate Seal)

EXHIBIT A

WORK AUTHORIZATION NO. 50 SUPPLEMENT NO. 3

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT DESIGN-BUILD SERVICES

SCOPE OF WORK FOR LAKE REGION WTP RO SKID ENERGY RECOVERY SYSTEM IMPROVEMENTS

INTRODUCTION

Palm Beach County (COUNTY) entered into an agreement entitled Contract for Optimization and Improvements Design-Build Services - Palm Beach County Utilities Department Project No. WUD 08-078 (CONTRACT) with **Globaltech, Inc.** (DESIGN-BUILD ENTITY) to provide design-build services for various general activities on (Reference Document R2008-2323). This Work Authorization will be performed under that CONTRACT.

SCOPE OF SERVICES

Work Authorization 50, Lake Region WTP RO Skid Energy Recovery System Improvements project was issued with an initial GMP estimate of \$1,799,365.00 inclusive of allowances.

Supplement 1 modified the scope of the original WA-50 and provided the revised GMP, and authorizes conversion of the Work Authorization to a lump sum basis based on the new GMP amount. Supplement 1 added \$99,205 to the contract and reduced the project allowance from its original allotment of \$132,350 to \$20,000. Supplement 2 was approved on January 23, 2013 and approved a contract extension of 85 days.

This Supplement 3 will authorize various piping and valve changes to replace damaged and deficient mechanical systems which will return the overall performance of the RO system. Most of the requested modifications were discovered during the modification to the first skid (Skid 3) and were unforeseen conditions. Supplement 3 requests an additional \$180,385.41 in funding raising the total project budget to \$2,078,955.41. An additional 245 days are also required for the work as well as for delays associated with the replacement of two variable frequency drives for the membrane feed pumps.

Description of Supplemental Services

- A. 1 ½" Concentrate Control Valve – The new concentrate control valve specified for the new energy recovery device was not available from the manufacturer with an electrical actuator. A different valve and actuator was required for each skid which were higher in cost.

- B. Changes in 10" 316 SS Feed Manifold Due to Strain – When installing the replacement skid piping for the 10" feed manifold which connects to an 8" cleaning connection the piping did not align properly (1-3/8" gap between flanges) although the pipe sections were of identical dimensions. The original piping installation was under strain and the 10" feed manifold on Skid 3 had to be set back to the fabricator to be modified. The feed manifolds on the remaining skids were re-evaluated and are to be changed before the pipes are delivered.
- C. 6" Concentrate Check Valves and Mating Flanges – The existing 6" concentrate check valves were designated to be reused. The check valve from Skid 3 was examined by the DESIGN-BUILD ENTITY. The valve spider housing is showing wear. Based on rattling noise coming from the other check valves in operation, this is anticipated to be problem with all the concentrate check valves on the remaining skids. To remedy the problem, the spider housing will be welded and drilled out by others (PBC/GUA vendor). This technique has been used at other PBC facilities. The DESIGN-BUILD ENTITY will coordinate the delivery and return of the check valve with the PBC/GUA vendor.
- When the piping for Skid 3 was disassembled, the 6" check valve was observed to leak. After investigating the cause of the leak, it was discovered the original installation used a slip-on type flange with bore diameter of 6.72". The check valve requires a mating flange with a maximum diameter of 6.5". The mating flange on the new piping is to be changed to a welding neck type flange with a bore diameter of 6.07" in order to seal the check valve seat. The spool piece for Skid 3 will need to be sent back to be modified. The spool pieces for the remaining skids will be modified before they are delivered.
- D. 6" Concentrate Control Valve Replacements – The existing 6" concentrate ball control valves were designated to be reused as an isolation valve. The ball valve from Skid 3 was removed and examined by the DESIGN-BUILD ENTITY. The ball is scored and the seat is worn and needs replacement. After evaluating the time and cost of repairing/replacing the ball valve, the ball valve will be replaced with a 6" flanged butterfly valve. The butterfly valve is more readily available and is suitable for isolation service. A new 6" spool pieces is needed to accommodate the new butterfly valve as it has a shorter laying length than the ball valve. This change will be made on all four skids. The existing actuators for the ball valves will be modified and attached to the new butterfly valves.
- E. Spare Concentrate Control Valve Actuator Control Board – The actuator for the existing 6" concentrate control valve for Skid 4 failed. Since Skid 3 was out of service, the control board for its actuator was removed by the COUNTY to repair the actuator for Skid 4. A spare control board is needed and will be purchased to fix the actuator for Skid 3. The new control board will take 6 to 8 weeks to be delivered from receipt of order.
- F. Orifice Flow Meter Evaluation and Modifications – The existing orifice flow meters on the RO skids have been shutting down the skids periodically due to air or gas in the differential pressure transmitter lines from the orifice meters. The DESIGN-BUILD ENTITY has investigated various options for the differential pressure transmitters and evaluated the cost of installing tube magnetic flow meters and insertion magnetic flow meters in lieu of the orifice flow meters at the

request of the COUNTY. The last attempt by the COUNTY to relocate the differential pressure transmitters next to the orifice meters appears to have minimized the shut downs.

Based on the last trial, the COUNTY has requested that the differential pressure transmitters be relocated on all four skids. The relocation will consist of the following for each skid: addition of a 316 stainless steel pipe bracket to mount the differential pressure transmitter; installation of two ½-inch isolation ball valve on orifice meter; installation of ½-inch poly tubing from orifice meter to transmitter block, installation of two ¼-inch on transmitter block bleed ports, installation of ¼" stainless steel tubing from bleed port ball valve to floor trench; installation of two ¼-inch ball valve at floor trench; and extension of electrical power and signal wire for transmitter to new location.

- G. Feed Pump Pressure Switch Mounting – The high pressure switches on the RO feed pump discharge was replaced at the request of the COUNTY. The installation utilized the existing pipes and valves. The COUNTY would like to replace the existing piping and valves and install 316 stainless steel tubing with associated tubing valves. New pressure gauges will also be added to the tubing manifolds. The high pressure switch would be mounted on a separate support.
- H. Time Extension – A time extension of 240 days is requested. The time extension is due to the piping changes in Items C, D, and E above, delay in repairing the concentrate control valve actuator in Item F, and delay due to the installation of two variable frequency drives (VFDs) for the skids. The VFD for the feed pump of Skid 3 broke down. Because the original VFDs are obsolete repair of the original VFDs have been difficult and time consuming. The COUNTY has decided to replace two of the VFDs starting with Skid 3 with newer model in a separate Work Authorization. Because there is no spare VFD or feed pump, work on other skids cannot continue unless the VFD is replaced so that at least three skids are available for service.

ASSUMPTIONS

- 1. County to pay for all permits.
- 2. The project will be designed in accordance with the Palm Beach County Water Utilities Department Manual of Minimum Engineering Standards.
- 3. County will provide the following:
 - a. Copies of all existing record drawings, submittals, equipment cut sheets, O&Ms, and programming/SCADA interface information as may be required to coordinate and complete this scope of services.
 - b. Provide review comments within 10 working days.
 - c. Access to project site to conduct site visits.
- 4. It is assumed that there are necessary power and control capabilities within the existing infrastructure to power and operate the new devices.
- 5. Cost estimates will be obtained for major mechanical components.

COMPENSATION

Compensation for Supplement 3 to WA 50 will be on a Lump Sum basis and shall not exceed the Amount of \$180,385.41 (total fee \$2,078,955.41). Attachment A provides the cost basis for this Supplement.

SCHEDULE

The milestone completion schedule is provided in Attachment B. A detailed schedule for the completion of WA-50 is included following Attachment B.

M/WBE PARTICIPATION

As prescribed under Section 7.5 of the CONTRACT, M/WBE participation is included in Attachment C under this Authorization. The attached Schedule 1 defines the M/WBE participation.

| | |
|-----------------------|-------------------------|
| ATTACHMENT – A | Budget Summary |
| ATTACHMENT – B | Project Schedule |
| ATTACHMENT – C | SBE Schedule 1 |
| ATTACHMENT – D | Location Map |



WUD 11-114 PBC Water Utilities Department
110264 PBC LRWTP RO Skid ERD Imp WA50

| Assembly# | Description | Unit | Quantity | Cost | Ext. Cost | Markup* | Ext. Price |
|--|--|------|----------|-------------|-----------|---------|------------|
| Job: 110264 PBC LRWTP RO Skid ERD Imp WA50 | | | | | | | |
| Bid Item: 101 CO#2 Final | | | | | | | |
| | Control Valve | | | | | | |
| | 1-1/2" SS Control Valve w/Actuator | LOT | 1.00 | 19,619.0600 | 19,619.06 | 1.1500 | 23,915.63 |
| | Engineering/Procurement | HR | 40.00 | 73.1700 | 2,926.80 | 1.2466 | 3,648.55 |
| | Construction PM | HR | 40.00 | 63.1400 | 2,525.60 | 1.2466 | 3,148.41 |
| | Engineering (KH) | LOT | 1.00 | 2,000.0000 | 2,000.00 | 1.1000 | 2,200.00 |
| | Stainless Steel Piping & Modification | | | | | | |
| | Engineering/Procurement | HR | 40.00 | 73.1700 | 2,926.80 | 1.2466 | 3,648.55 |
| | Construction PM | HR | 60.00 | 63.1400 | 3,788.40 | 1.2466 | 4,722.62 |
| | Installation (4 man Crew) | CR-D | 6.00 | 1,247.1000 | 7,482.60 | 1.2466 | 9,327.81 |
| | Pipe Modification | LOT | 1.00 | 7,585.0000 | 7,585.00 | 1.1500 | 9,246.12 |
| | Check Valve Flange & Pipe Modification | LOT | 1.00 | 3,587.7700 | 3,587.77 | 1.1500 | 4,373.50 |
| | Engineering (KH) | LOT | 1.00 | 1,000.0000 | 1,000.00 | 1.1000 | 1,100.00 |
| | KTM Valve Replacement | LOT | 1.00 | | | | |
| | SS BFV | Ea | 4.00 | 3,470.5900 | 13,882.36 | 1.1500 | 16,922.60 |
| | Mounting Bracket Fabrication and Freight (Limitork | Ea | 4.00 | 1,587.5000 | 6,350.00 | 1.1500 | 7,740.65 |
| | 6"Spool | Ea | 4.00 | 1,350.0000 | 5,400.00 | 1.1500 | 6,582.60 |
| | Flange Kits & Misc Materials | Ea | 4.00 | 200.0000 | 800.00 | 1.1500 | 975.20 |
| | Construction PM | HR | 40.00 | 63.1400 | 2,525.60 | 1.2466 | 3,148.41 |
| | Installation (4 man Crew) | CR-D | 4.00 | 1,247.1000 | 4,988.40 | 1.2466 | 6,218.54 |
| | Electrical Sub | LOT | 1.00 | 2,000.0000 | 2,000.00 | 1.1000 | 2,200.00 |
| | Actuator Board (Spare) | LOT | 1.00 | 2,245.0000 | 2,245.00 | 1.1500 | 2,736.66 |
| | Actuator Adjustment/Startup (Train 3) | LOT | 2.00 | 2,000.0000 | 4,000.00 | 1.1000 | 4,400.00 |
| | Engineering (KH) | LOT | 1.00 | 1,000.0000 | 1,000.00 | 1.1000 | 1,100.00 |

Continued...

| Assembly# | Description | Unit | Quantity | Cost | Ext. Cost | Markup* | Ext. Price |
|------------------|---------------------------|------|----------|-------------|------------|---------|------------|
| | Flowmeter Relocation | | | | | | |
| | SS Pipe, Tubing & Ftgs | LOT | 1.00 | 3,184.5600 | 3,184.56 | 1.1500 | 3,881.97 |
| | Valves & Operators | Ea | 72.00 | 26.0000 | 1,872.00 | 1.1500 | 2,281.97 |
| | SS Unistrut 316 (DEEP) | Ea | 12.00 | 120.0000 | 1,440.00 | 1.1500 | 1,755.36 |
| | SS Unistrut Hardware | LOT | 1.00 | 500.0000 | 500.00 | 1.1500 | 609.50 |
| | SS Unistrut Pipe Clamp | LOT | 1.00 | 1,500.0000 | 1,500.00 | 1.1500 | 1,828.50 |
| | Mounting Brackets | LOT | 12.00 | 800.0000 | 9,600.00 | 1.1500 | 11,702.40 |
| | Installation (3 man Crew) | CR-D | 10.00 | 1,014.3000 | 10,143.00 | 1.2466 | 12,644.26 |
| | Electrical Sub | LOT | 1.00 | 15,530.0000 | 15,530.00 | 1.1000 | 17,083.00 |
| | Construction PM | HR | 20.00 | 63.1400 | 1,262.80 | 1.2466 | 1,574.21 |
| | Engineering E6 (GT) | HR | 16.00 | 64.9000 | 1,038.40 | 3.0000 | 3,115.20 |
| | Engineering E4 (GT) | HR | 18.00 | 42.3000 | 761.40 | 3.0000 | 2,284.20 |
| | Engineering (KH) | LOT | 1.00 | 1,000.0000 | 1,000.00 | 1.1000 | 1,100.00 |
| | Bonds & Certifications | LOT | 1.00 | 2,755.6400 | 2,755.64 | 1.1500 | 3,168.99 |
| Bid Item Totals: | | | | | 147,221.19 | | 180,385.41 |
| Grand Totals: | | | | | 147,221.19 | | 180,385.41 |

Note: All materials include an additional 6.0% markup for FL State sales tax.

* Materials = 15%, Subcontractors = 10%, Labor at Burden = 24.66% (8.4% G&A x 15% Profit & Overhead

ATTACHMENT - B

PROJECT SCHEDULE

SCHEDULE

The revised completion dates for this work will be as follows (starting from DESIGN-BUILD ENTITY'S contractual Final Completion Date associated with WA-50).

| <u>Services</u> | <u>Substantial Completion ⁽¹⁾</u> | <u>Final Completion ⁽¹⁾</u> |
|---------------------------------------|--|--|
| Supplemental Construction Services | 8/15/2013 | 240 days (10/01/2013) |

⁽¹⁾ Completion times do not include time required for permitting.

ATTACHMENT C

SCHEDULE #1

LIST OF PROPOSED SBE-M/WBE PRIME AND/OR SUBCONTRACTOR PARTICIPATION

| | | | |
|-----------------------|---|-------------------------------|---|
| PROJECT NAME: | Lake Region WTP RO Skid Energy Recovery System Improvements (WA-50.3) | PROJECT NUMBER OR BID NUMBER: | WUD 11-114 |
| NAME OF PRIME BIDDER: | Globaltech, Inc. | ADDRESS: | 1075 Broken Sound Parkway NW, Suite 103, Boca Raton, FL 33487 |
| CONTACT PERSON: | Paul Gandy, P.E. | PHONE NO. | 561-997-6433 |
| BID OPENING DATE: | | FAX NO. | 561-997-5811 |
| | | USER DEPARTMENT: | |

THIS DOCUMENT IS TO BE COMPLETED BY THE PRIME CONTRACTOR AND SUBMITTED WITH THE BID PACKET. PLEASE LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SBE-M/WBE SUBCONTRACTORS ON THIS PROJECT. IF THE PRIME IS AN SBE-M/WBE, PLEASE ALSO LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME ON THIS PROJECT.

| Name, Address, Telephone Number of SBE-M/WBE Contractor | (Check one or both Categories) | | Dollar Amount | | | | |
|--|--------------------------------|-------------------------------------|---------------|----------|-------|---------------|------------------------|
| | Minority Business | Small Business | Black | Hispanic | Women | Caucasian | Other (Please Specify) |
| Globaltech, Inc. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | \$ - | \$ - | \$ - | \$ 157,855.41 | \$ - |
| Energy Efficient Electric, Inc. 1600 Mercer Ave., Unit 6 West Palm Bch. 33401 (561) 655-7211 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | \$ - | \$ - | \$ - | \$ 17,530.00 | \$ - |
| | <input type="checkbox"/> | <input type="checkbox"/> | \$ - | \$ - | \$ - | \$ - | \$ - |
| TOTAL: | | | \$ - | \$ - | \$ - | \$ 175,385.41 | \$ - |

TOTAL BID PRICE: \$180,385.41

Total Value of SBE-M/WBE Participation Dollar Amount or Percentage of Work: \$ 175,385.41

- NOTE:
- 1. The amount listed on this form for a Subcontractor must be supported by price or percentage listed on the signed Schedule 2 or signed proposal 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 a SBE and M/WBE, please indicate the dollar amount or percentage under the appropriate category.
 - 3. M/WBE information is being collected for tacking purposes only.

ATTACHMENT C

SCHEDULE 2

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

PROJECT NO. WUD 11-114 PROJECT NAME: Lake Region Water Treatment Plant – RO Skid
Energy Recovery Improvements

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 _____ Women _____ Caucasian X Other (Please Specify) _____

Date of Palm Beach County Certification: September 4, 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>1</u> | <u>KTM Valve Replacement</u> | <u>1</u> | <u>\$2,000.00</u> | <u>\$2,000.00</u> |
| <u>2</u> | <u>Flow Meter Installation</u> | <u>1</u> | <u>\$15,530.00</u> | <u>\$15,530.00</u> |

Energy Efficient Electric will provide electrical subcontracting services during the installation of KTM Valves and flow-meter relocation.

at the following price and not to exceed: \$17,530.00 (Seventeen thousand five hundred thirty 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: \$ -0-.

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]
(Signature)

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

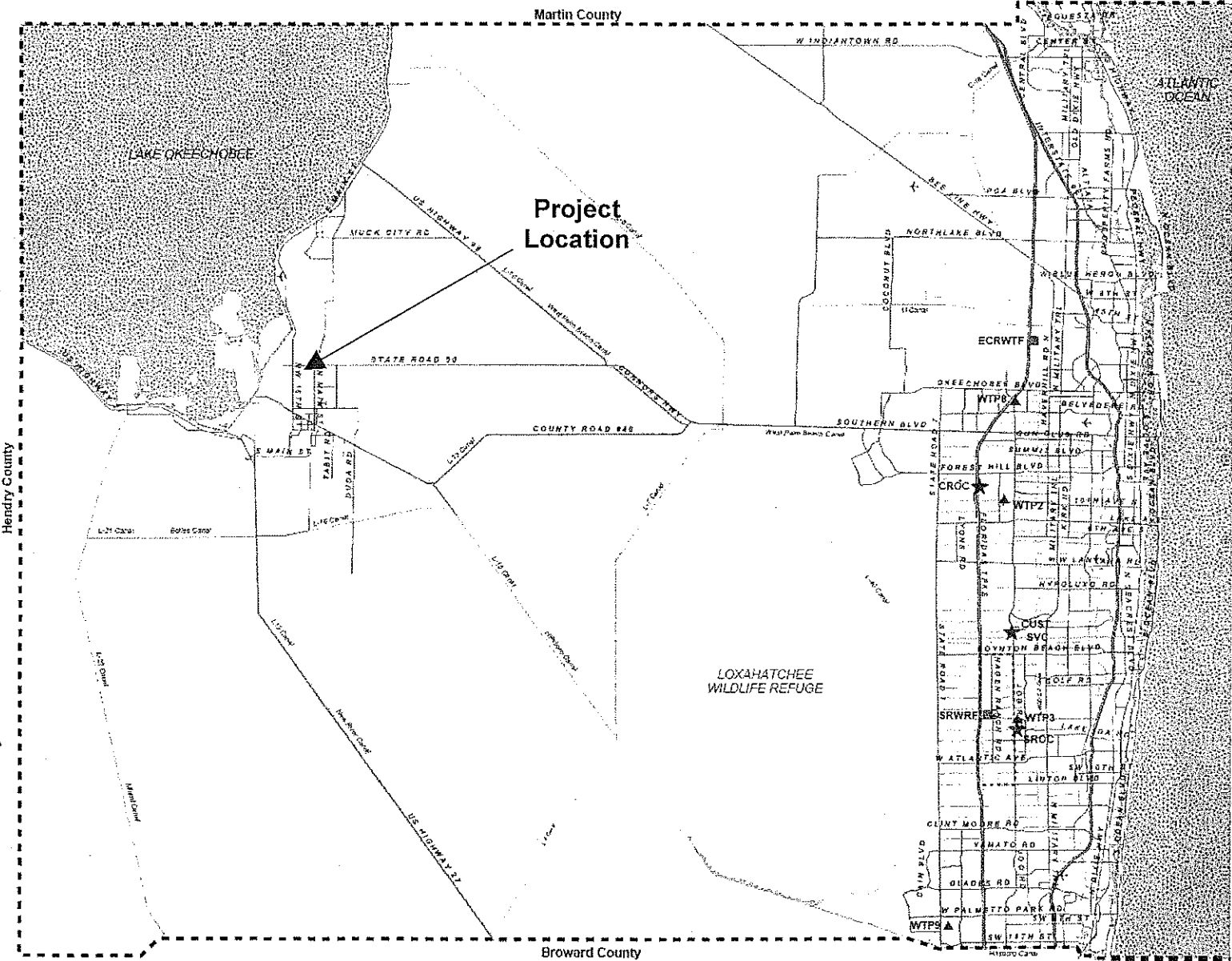
Date: January 7, 2013

Attachment D – Location Map



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

- Legend
- P.B.C.W.U.D. SA
 - MANDATORY RECLAIMED SA
 - COUNTY LIMITS
 - Administration
 - Water Reclamation Plant
 - Water Treatment Plant
 - Wetlands



WA 50.3 – Lake Region WTP RO Skid Energy Recovery System Improvements WUD Project No. 11-114

EXHIBIT - B

AUTHORIZATION STATUS REPORT January 8, 2013

SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

| Auth. No. | Description | Status | Project Total Amount | Date Approved | WUD No. Assigned | Globaltech Project No. |
|-----------|---|----------|----------------------|---------------|------------------|------------------------|
| | CONSULTANT SERVICE AUTHORIZATIONS | | | | | |
| CSA-1 | Beeline Rechloramination Facility | Approved | \$67,871.00 | 12/17/2008 | 09-006 | GT 08-20-140 |
| CSA-2 | Mangonia Park Elevated Tank Repair/Replacement - Phase 1 | Approved | \$35,364.00 | 12/17/2008 | 09-032 | GT 08-20-141 |
| CSA-3 | WTP 10 Membrane Improvements | Approved | \$48,716.00 | 12/17/2008 | 08-074 | GT 08-20-142 |
| CSA-4 | South Bay Regional Pump Station | Approved | \$49,664.00 | 3/17/2009 | 09-041 | GT 09-20-151 |
| CSA-5 | Pahokee WWTP MCC Replacement | Approved | \$49,048.00 | 3/17/2009 | 09-039 | GT 09-20-152 |
| CSA-6 | Belle Glade WWTP Grit Removal | Approved | \$32,698.00 | 3/17/2009 | 09-040 | GT 09-20-153 |
| CSA-7 | Lift Station 5229 Evaluation | Approved | \$30,689.00 | 3/12/2010 | 10-032 | GT 10-20-186 |
| CSA-8 | WTP 3 / SROC DIW Blending | Approved | \$48,858.00 | 2/14/2010 | 09-059 | GT 10-20-184 |
| CSA-8.1 | WTP 3 / SROC DIW Blending - Supplement 1 | Approved | \$47,070.00 | 10/05/2010 | 09-059 | GT 10-20-184 |
| CSA-8.2 | WTP 3 / SROC DIW Blending - Supplement 2 | Approved | \$24,475.00 | 4/15/2011 | 09-059 | GT 10-20-184 |
| CSA-8.3 | WTP 3 / SROC DIW Blending - Supplement 3 | Approved | \$19,071.00 | 10/26/2011 | 09-059 | GT 10-20-184 |
| CSA-9 | Pahokee WWTP NaOCl Preliminary Dsgn Report | Approved | \$16,698.00 | 11/02/2010 | 11-045 | GT 10-20-208 |
| CSA-10 | West Canal Street South Belle Glade Water Main | Approved | \$22,000.00 | 9/28/2010 | 11-007 | GT 10-20-202 |
| CSA-11 | WTP 2 Transfer Pumps | Approved | \$112,417.00 | 7/18/2011 | 11-107 | GT 10-20-212 |
| CSA-11.1 | WTP 2 Transfer Pumps - Supplement 1 | Approved | \$2,725.00 | 9/12/12 | 11-107 | GT 10-20-212 |
| CSA-12 | WTP 8 Sodium Hypochlorite Improvements | Approved | \$44,290.00 | 12/20/2010 | 09-005 | GT 10-20-225 |
| CSA-13 | WTP 8 Elevated Walkway | Approved | \$15,969.00 | 4/13/2011 | 11-089 | GT 10-20-225 |
| CSA-13.1 | WTP 8 Elevated Walkway - Supplement 1 | Approved | \$15,969.00 | 5/20/2011 | 11-089 | GT 10-20-225 |
| CSA-14 | WTP 3 Groundwater Rule Improvements | Approved | \$46,210.00 | 3/10/2011 | 10-034 | GT 11-20-241 |
| CSA-16 | South Bay Repump Station Improvements | Approved | \$30,992.00 | 12/08/11 | 12-030 | GT 11-20-280 |
| CSA-17 | Lake Clarke Shores Rechlorination Facility | Approved | \$47,293.20 | 12/16/11 | 12-037 | GT 11-20-282 |
| CSA-17.1 | Lake Clarke Shores Rechlorination Facility - Supplement 1 | Approved | \$0.00 | | 12-037 | GT 11-20-282 |
| CSA-18 | WTP 2 Wellfield Electrical Upgrades | Approved | \$25,218.00 | 12/16/11 | 12-038 | GT 11-20-285 |
| CSA-18.1 | WTP 2 Wellfield Electrical Upgrades - Supplement 1 | Approved | \$0.00 | 7/17/12 | 12-038 | GT 11-20-285 |
| | Total CSAs | | \$801,367.20 | | | |

EXHIBIT - B

AUTHORIZATION STATUS REPORT January 8, 2013

SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

| Auth. No. | Description | Status | Project Total Amount | Date Approved | WUD No. Assigned | Globaltech Project No. |
|-----------|---|----------|----------------------|---------------|------------------|------------------------|
| | Work Authorizations | | | | | |
| WA-1 | WTP 3, 9, & SRWRF Hypochlorite I&C Improv. | Approved | \$198,732.00 | 12/17/2008 | 08-059 | GT 08-20-143 |
| WA-2 | WTP 2 SCADA Tower | Approved | \$76,200.00 | 3/17/2009 | 08-071 | GT 09-20-148 |
| WA-2.1 | WTP 2 SCADA Tower Supplement 1 | Approved | \$4,599.00 | 8/3/2009 | 08-071 | GT 09-20-148 |
| WA-2.2 | WTP 2 SCADA Tower Supplement 2 | Approved | \$2,373.00 | 9/21/2009 | 08-071 | GT 09-20-148 |
| WA-3 | WTP 2 Hypochlorite Improvements | Approved | \$66,887.00 | 3/10/2009 | 09-035 | GT 09-20-149 |
| WA-4 | South Bay Regional WW Pump Station | Approved | \$550,336.00 | 8/18/2009 | 09-041 | GT 09-20-168 |
| WA-4.1 | South Bay Pump Station - Supplement 1 | Approved | \$0.00 | 9/14/2010 | 09-041 | GT 09-20-168 |
| WA-5 | Pahokee WWTP MCC Replacement | Approved | \$192,625.00 | 5/06/2009 | 09-039 | GT 09-20-155 |
| WA-6 | Belle Glade WWTP Grit Removal | Approved | \$235,567.00 | 9/15/2009 | 09-040 | GT 09-20-171 |
| WA-7 | Lake Region Hypochlorite Improvements | Approved | \$137,559.00 | 7/8/2009 | 03-169 | GT 09-20-167 |
| WA-8 | WTP 8 Hypochlorite Improvements | Approved | \$116,443.00 | 12/16/2009 | 09-005 | GT 09-20-183 |
| WA-9 | WTP Wellfield Recharge - Riverbridge | | | NA | NA | NA |
| WA-10 | WTP 10 Membrane Improvements | Approved | \$278,654.00 | 6/16/2009 | 08-074 | GT 09-20-164 |
| WA-11 | Southwest Boca Diversion Pump Stations | Approved | \$164,056.00 | 8/19/2009 | 04-218 | GT 09-20-172 |
| WA-11.1 | SW Boca Diversion PS - Supplement 1 | Approved | \$0.00 | 9/14/2010 | 04-218 | GT 09-20-172 |
| WA-12 | WTP 2 Backwash Pump Station | Approved | \$190,000.00 | 4/28/2009 | 07-134 | GT 09-20-156 |
| WA-12.1 | WTP 2 Backwash Pump Station - Supplement 1 | Approved | \$9,338.00 | | 07-134 | GT 09-20-156 |
| WA-12.2 | WTP 2 Backwash Pump Station - Supplement 2 | Approved | \$21,339.00 | 2/17/2010 | 07-134 | GT 09-20-156 |
| WA-12.3 | WTP 2 Backwash Pump Station - Supplement 3 | Approved | \$63,093.00 | 2/25/2010 | 07-134 | GT 09-20-156 |
| WA-13 | Beeline Rechloramination Facility - Phase 1 | Approved | \$194,500.00 | 2/18/2009 | 09-006 | GT 09-20-147 |
| WA-14 | Mangonia Park Elevated Tank | Approved | \$427,636.00 | 4/7/2009 | 09-032 | GT 09-20-157 |
| WA-15 | Hillsboro Wells Level Transmitter Wiring | Approved | \$36,751.00 | 6/16/2009 | 09-064 | GT 09-20-165 |
| WA-16 | Beeline CDC Line Stop at Innovation Drive | Approved | \$13,379.20 | 4/1/2009 | 08-083 | GT 09-20-154 |
| WA-16.1 | Electrical Service for KOB Lift Station | Approved | \$12,182.00 | 5/20/2009 | 08-083 | GT 09-20-158 |
| WA-17 | WTP 3 - Ammonia Piping Modifications | Approved | \$10,207.00 | 6/16/2009 | 09-063 | GT 09-20-163 |
| WA-18 | WTP 10 Train B Membrane Replacement | Approved | \$15,615.00 | 6/16/2009 | 09-062 | GT 09-20-166 |
| WA-19 | WTP 10 Train A Membrane Replacement | Approved | \$14,023.00 | 9/24/2009 | 09-077 | GT 09-20-174 |
| WA-20 | WTP 8 Ferric Chloride System | Approved | \$352,365.00 | 11/17/2009 | 07-114 | GT 09-20-175 |
| WA-20.1 | WTP 8 Ferric Chloride System - Supplement 1 | Approved | \$0.00 | 9/14/2010 | 07-114 | GT 09-20-175 |
| WA-21 | Lift Station 5229 Improvements | | | NA | NA | NA |
| WA-22 | Belle Glade Hypochlorite Improvements | | | NA | NA | NA |
| WA-23 | Pahokee Hypochlorite Improvements | Approved | \$183,302.00 | 1/26/2011 | 11-045 | GT 11-20-218 |
| WA-24 | Belle Glade DIW MIT | Approved | \$47,637.00 | 3/25/2010 | 10-001 | GT 10-20-188 |
| WA-25 | WTP 3 Ground Water Rule Improvements | Approved | \$298,000.00 | 9/13/2011 | 10-034 | GT 10-20-133 |
| WA-25.1 | WTP 3 Ground Water Rule Improvements Supplement 1 | Approved | \$19,183.00 | 3/20/2012 | 10-034 | GT 10-20-133 |
| WA-26 | WTP 9 Ground Water Rule Improvements | Approved | \$156,101.00 | 1/12/2011 | 10-036 | GT 10-20-226 |
| WA-27 | WTP 8 Ground Water Rule Improvements | Approved | \$146,100.00 | 2/02/2011 | 10-035 | GT 10-20-231 |
| WA-28 | WTP 11 Ground Water Rule Improvements | | | NA | NA | NA |
| WA-29 | Belle Glade Deep Injection Well | | | NA | NA | NA |
| WA-30 | WTP 3 Acid Piping Replacement | Approved | \$59,432.00 | 5/3/2010 | 10-043 | GT 10-20-193 |
| WA-31 | WTP 2 Ground Water Rule Improvements | Approved | \$89,389.00 | 4/22/2010 | 10-033 | GT 10-20-190 |
| WA-32 | WTP 3 Degassifier Permeat Inlet Repair | Approved | \$25,000.00 | 3/29/2010 | 10-044 | GT 10-20-189 |
| WA-33 | WTP 8 Filters 2 & 3 Media Replacement | Approved | \$180,800.00 | 7/28/2010 | 10-066 | GT 10-20-196 |

EXHIBIT - B

AUTHORIZATION STATUS REPORT January 8, 2013

SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

| Auth. No. | Description | Status | Project Total Amount | Date Approved | WUD No. Assigned | Globaltech Project No. |
|-----------|---|----------|----------------------|---------------|------------------|------------------------|
| WA-33.1 | WTP 8 Filters 1 Media Replacement | Approved | \$88,328.00 | 2/01/2011 | 10-066 | GT 10-20-196 |
| WA-34 | WTP 2 Fuel Tank Replacement | Approved | \$99,989.00 | 8/05/2010 | 10-053 | GT 10-20-199 |
| WA-34.1 | WTP 2 Fuel Tank Replacement - Supplement 1 | Approved | \$18,768.00 | 12/29/2010 | 10-053 | GT 10-20-199 |
| WA-35 | WTP 3 Valve Replacement & Degassifier Repair | Approved | \$43,858.00 | 8/25/2010 | 10-074 | GT 10-20-201 |
| WA-36 | Distribution System WQ Monitoring Construction | Approved | \$149,995.00 | 10/06/2010 | 10-072 | GT 10-20-213 |
| WA-37 | Belle Glade WWTP Digester Stairs | Approved | \$60,982.00 | 11/22/2010 | 11-048 | GT 10-20-220 |
| WA-38 | WTP 3 Diesel Fuel Tank | Approved | \$249,823.00 | 2/02/2011 | 09-004 | GT 10-20-222 |
| WA-38.1 | WTP 3 Diesel Fuel Tank - Supplement 1 | Approved | \$0.00 | | 09-004 | GT 10-20-222 |
| WA-39 | Lake Region WTP Degas. Packing Replacement | Approved | \$114,585.00 | 1/26/2011 | 11-058 | GT 10-20-227 |
| WA-40 | Lake Region Well No. 4 - Motor Replacement | Approved | \$24,850.00 | 1/24/2011 | 11-062 | GT 10-20-230 |
| WA-40.1 | Lake Region Well No. 4 - Supplement 1 | Approved | \$64,467.00 | 5/12/2011 | 11-062 | GT 10-20-230 |
| WA-41 | SROC DIW Blending Modifications | Approved | \$1,034,929.00 | 12/06/11 | 09-059 | GT 10-20-224 |
| WA-42 | SRWRF Digester Piping | Approved | \$145,818.00 | 2/16/2011 | 11-063 | GT 10-20-227 |
| WA-43 | Belle Glade WWTP Transfer Line Valve Install. | Approved | \$26,673.00 | 3/25/2011 | 11-083 | GT 11-20-217 |
| WA-44 | Belle Glade WWTP Control Bldg Gutter Replace. | Pending | | | 11-084 | |
| WA-45 | WTP 8 Elevated Walkway | Approved | \$118,548.00 | 4/20/2011 | 11-089 | GT 11-20-215 |
| WA-45.1 | WTP 8 Elevated Walkway - Supplement 1 | Approved | \$13,850.00 | 10/26/2011 | 11-089 | GT 11-20-215 |
| WA-46 | Lake Region Well No. 3 - Pump Modification | Approved | \$98,000.00 | 5/12/2011 | 11-098 | GT 11-20-253 |
| WA-46.2 | Lake Region Well No. 4 - Additional Rental | Approved | \$16,075.00 | 10/11/2011 | 11-098 | GT 11-20-253 |
| WA-47 | SRPF Membrane Concentrate Bypass | Approved | \$177,229.00 | 6/8/2011 | 11-108 | GT 11-20-240 |
| WA-48 | LR WTP Well Pump Conversions | Approved | \$458,409.00 | 6/21/2011 | 11-112 | GT 11-20-262 |
| WA-48.1 | LR WTP Well Pump Conversions-Supplement 1 | Approved | -\$15,186.00 | | 11-112 | GT 11-20-262 |
| WA-48.2 | LR WTP Well Pump Conversions-Supplement 2 | Pending | | | 11-112 | GT 11-20-262 |
| WA-49 | LR WTP Floridan Aquifer Production Well 8 | Approved | \$1,459,740.00 | 6/21/2011 | 11-113 | GT 11-20-263 |
| WA-49.1 | LR WTP Floridan Aquifer Production Well 8 Supplement 1 | Approved | -\$102,014.00 | 3/21/2012 | 11-113 | GT 11-20-263 |
| WA-49.2 | LR WTP Floridan Aquifer Production Well 8 Supplement 2 | Approved | \$0.00 | 12/03/12 | 11-113 | GT 11-20-263 |
| WA-50 | LR WTP RO Skid Energy Recovery System Imp. | Approved | \$1,799,365.00 | 6/21/2011 | 11-114 | GT 11-20-264 |
| WA-50.1 | LR WTP RO Skid Energy Recovery System Imp. Supplement 1 | Approved | \$99,205.00 | 3/15/2012 | 11-114 | GT 11-20-264 |
| WA-50.2 | LR WTP RO Skid Energy Recovery System Imp. Supplement 2 | Approved | \$0.00 | | 11-114 | GT 11-20-264 |
| WA-50.3 | LR WTP RO Skid Energy Recovery System Imp. Supplement 3 | Pending | \$180,385.41 | | 11-114 | GT 11-20-264 |
| WA-51 | SRWRF - Grit Slurry Piping Improvements | Approved | \$97,713.00 | 8/22/2011 | 11-135 | GT 11-20-269 |
| WA-52 | SRWRF - Headworks Caustic Feed Piping | Approved | \$67,410.00 | 8/22/2011 | 11-138 | GT 11-20-268 |
| WA-53 | SRWRF - Waste Activated Sludge Imp. | Approved | \$96,030.00 | 9/12/2011 | 11-140 | GT 11-20-267 |
| WA-54 | Lake Region WTP Static Mixer Replacement | Approved | \$29,337.00 | 10/11/2011 | 11-150 | GT 11-20-257 |
| WA-55 | SRWRF Effluent Pump Replacement | Approved | \$166,600.00 | 12/14/11 | 11-105 | GT 11-20-244 |
| WA-55.1 | SRWRF Effluent Pump Replacement - Supplement 1 | Approved | \$29,565.24 | 4/25/2012 | 11-105 | GT 11-20-244 |
| WA-56 | SRWRF Odor Control Chemical Piping | Approved | \$99,527.00 | 12/16/11 | 12-036 | GT 11-20-283 |
| | | | | | | |
| | Total WAs | | \$11,602,256.85 | | | |
| | | | | | | |
| | Total CSAs + WAs | | \$12,403,624.05 | | | |

Date: 01/08/13

EXHIBIT - C

AUTHORIZATION STATUS REPORT
OPTIMIZATION AND IMPROVEMENTS DESIGN-BUILD CONTRACT

SUMMARY AND STATUS OF
SBE / MINORITY BUSINESS TRACKING SYSTEM
WA-50 Supplement 3 - Lake Region WTP RO Skid Energy Recovery System Improvements

| Total | |
|--|-----------------|
| Current Proposal | |
| Value of Consultant Service Authorization | \$0.00 |
| Value of Work Authorization | \$180,385.41 |
| Value of CSA and WA | \$180,385.41 |
| Value of SBE Minority Letter of Intent | \$175,385.41 |
| Actual Percentages | 97.22% |
| Signed / Approved Authorizations | |
| Total Value of Approved Consultant Service Authorization | \$801,367.20 |
| Total Value of Approved Work Authorization | \$11,421,871.44 |
| Total Value of CSAs and WAs | \$12,223,238.64 |
| Total Value of SBE Signed Subcontracts | \$9,364,962.64 |
| Actual Percentages | 76.61% |
| Signed Authorizations Plus Current Proposal | |
| Total Value of Approved CSAs Plus Current CSA Proposal | \$801,367.20 |
| Total Value of Approved WAs Plus Current WA Proposal | \$11,602,256.85 |
| Total Value of Approved and Proposed CSAs and WAs | \$12,403,624.05 |
| Total Value of SBE Subcontracts and Letters of Intent | \$9,540,348.05 |
| Actual Percentages | 76.91% |
| GOAL | 75% |