Agenda Item #3K-1

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

Meeting Date: May 6, 2014 **Consent [X]** **Regular [ ]** **Public Hearing [ ]**

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: 1) Amendment No. 1 to the Contract with Globaltech, Inc. for the Water, Wastewater and Reclaimed Water Improvements Design Build Contract (R2012-0159) adding Builders Risk Insurance; and **2)** Work Authorization No. 12 for Water Treatment Plant No. 3 (WTP 3) Chemical Improvements in the amount of $833,148.51.

Summary: On January 24, 2012, Palm Beach County Board of County Commissioners (BCC) approved the Contract for Water, Wastewater and Reclaimed Water Improvements Design/Build Services with Globaltech, Inc. (R2012-0159). Builders Risk Insurance is being added to the Contract as the County no longer provides self insurance coverage. Work Authorization No. 12 will authorize replacement of the sulfuric acid piping, install a corrosion inhibitor system for the deep injection well and provide improvements to the chemical containment area at WTP 3. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance (R2002-0064) is 15% overall. The contract with Globaltech, Inc. provides for SBE participation of 75% overall. This Authorization includes 96.21% overall participation. The cumulative SBE participation, including this Work Authorization, is 91.08% overall. Globaltech is a Palm Beach County and Certified SBE Company. This project is included in the FY13-14 Capital Improvement plan adopted by the Board of County Commissioners. WUD Project No. 12-003 District 5 (JM)

Background and Justification: On January 24, 2012, Palm Beach County Board of County Commissioners approved the Contract for Water, Wastewater and Reclaimed Water Improvements Design/Build Services with Globaltech, Inc. (R2012-0159). Builders Risk insurance is being added to the Contract as the County no longer provides self insurance coverage. Work Authorization No. 12 will replace the aging sulfuric acid piping with more chemically resistant materials. A corrosion inhibitor system will be installed at the deep injection well to protect the steel casing from corrosion and increase its lifespan. Sample pumps will be installed for the deep injection monitor well thereby eliminating discharge of brackish water to the deep injection well pad. The chemical containment area will be improved by demolishing tanks and piping which are no longer in use. Globaltech, Inc. will provide builders risk insurance prior to commencement of construction.

Attachments:

1. Location Map
2. Two (2) Original Amendment No. 1
3. Two (2) Original Work Authorizations No. 12

Recommended By: _____ 4/17/14
Department Director **Date**

Approved By: _____ 5/1/14
Assistant County Administrator **Date**

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2014	2015	2016	2017	2018
Capital Expenditures	$833,149	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	$833,149	0	0	0	0
# ADDITIONAL FTE POSITIONS (Cumulative)	0	0	0	0	0

Budget Account No.: **Fund 4011 Dept 721 Unit W006 Object 6541**

Is Item Included in Current Budget? Yes X No ___

Reporting Category **N/A**

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

The project will be funded by Water Utility Department User fees.

C. Department Fiscal Review: Debra McVest

III. REVIEW COMMENTS

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

4/21/2014
OFMB
4/18 4/18

4/29/14
Contract Development and Control
4-29-14

B. Legal Sufficiency:

5/1/14
Assistant County Attorney

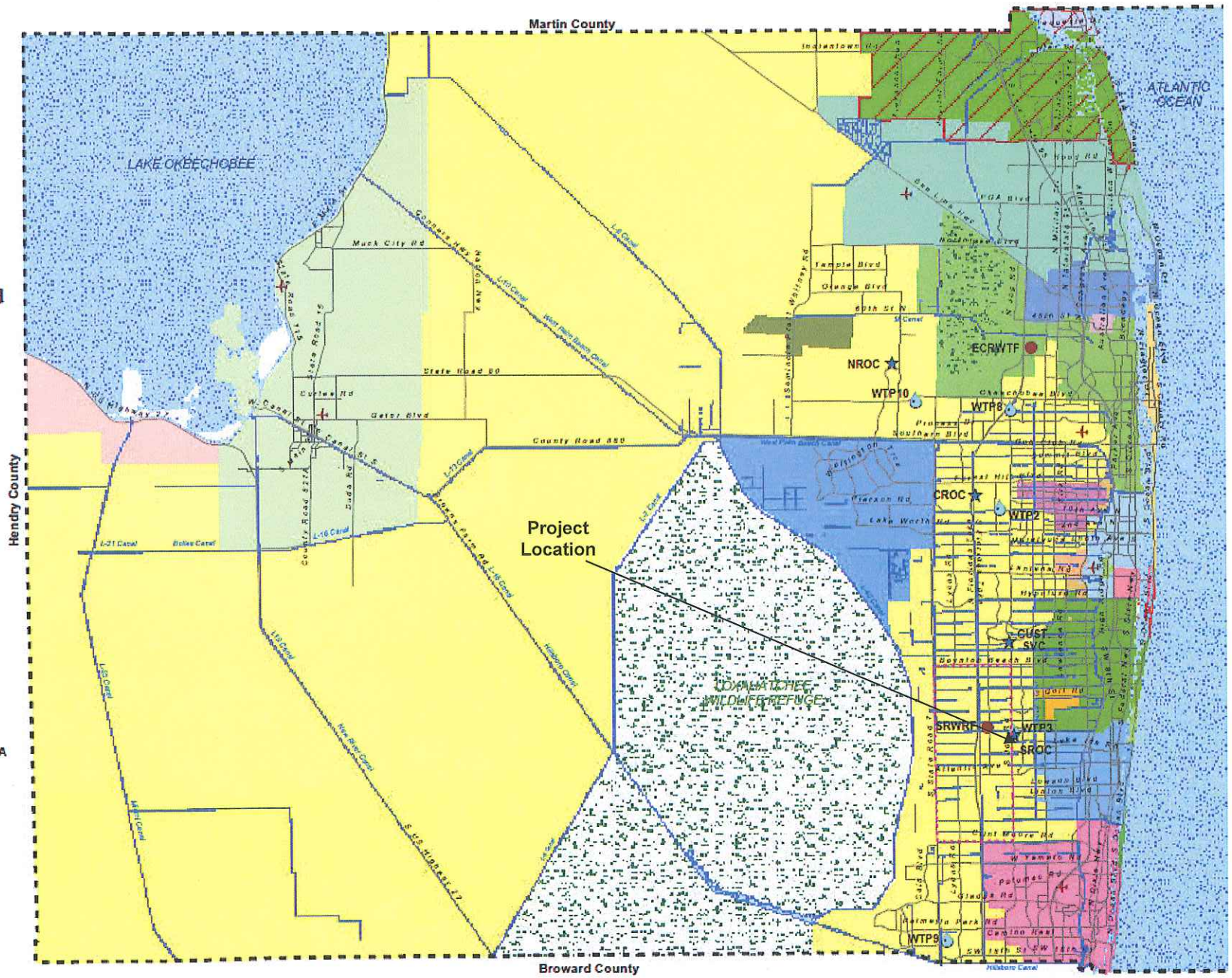
C. Other Department Review:

____
Department Director

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

ATTACHMENT – I
Project Location Map

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



WA-12: WTP 3 Chemical Improvements (WUD Project No. 12-003)

AMENDMENT NO. 1

THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA, WATER, WASTEWATER AND RECLAIMED WATER IMPROVEMENTS DESIGN BUILD CONTRACT (R2012-0159D)

WHEREAS, On January 24, 2012, Palm Beach County Board of County Commissioners approved the Contract for Water, Wastewater and Reclaimed Water Improvements Design/Build Services with Globaltech, Inc. (R2012-0159); and

NOW, THEREFORE, BE IT MUTUALLY AGREED BY THE BOARD OF COUNTY COMMISSIONERS OF PALM BEACH COUNTY, FLORIDA AND GLOBALTECH, INC., that:

1. Replace General Provisions Section F.6 (Builders Risk Insurance) with the following:

   BUILDER'S RISK With respect to any of the work involving the construction of real property (buildings and improvements other than buildings) during the construction project, the Contractor shall maintain, at County's sole expense, Builders Risk insurance providing coverage for the entire work at the project site, and will also cover portions of work located away from the site but intended for use at the site, and will also cover portions of the work in transit. Coverage shall be written on a All-Risk, Replacement Cost, and Completed Value Form basis in an amount at least equal to the projected completed value of the project as well as subsequent modifications of that sum. If a sublimit applies to the perils of wind or flood, the sublimit shall not be less than 25% of the projected completed value of the project. The deductible shall not exceed $25,000, nor shall a wind percentage deductible, when applicable, exceed five percent (5%).

   Partial Occupancy or use of the work shall not commence until insurance company or companies providing insurance as required have consented to such partial occupancy or use. Contractor shall take reasonable steps to notify and obtain consent of the insurance company or companies, and agree to take no action, other than upon mutual consent, with respect to occupancy or use of the work that could lead to cancellation, lapse, or reduction of insurance.

   The coverage shall be kept in force until Substantial Completion has been obtained, or until no one but the County has any property interest in the project, or until Contractor and County mutually consent to the termination,

whichever occurs first. The Contractor agrees and understands the County shall not provide any Builder's Risk insurance on behalf of Contractor for loss or damage to work, or to any other property of owned, hired, or borrowed by the Contractor. County shall be responsible for payment of any applicable deductible amounts, except to the extent the underlying loss or damage results from the fault, negligence or misconduct of Contractor or any of its subcontractors, vendors, officers, employees or agents whether or not covered by insurance, in which case Contractor shall be responsible for payment of the deductible amounts.

2. General Provisions Section F.13, Insurance Coverage & Limit Table, add the following:

BUILDERS RISK: Limit not less than:	The total project completed construction value as well as subsequent modifications to that sum.
Endorsement to waive coverage termination from Occupancy Clause.	Yes
Endorsement cover until final acceptance of the project by Certificate of Occupancy by the Owner.	Yes
Additional Insured & Loss Payee endorsements required:	Yes

3. The Clerk of this Board shall cause this Amendment to be recorded as part of the Contract.

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 Contractor has hereunto set his hand and seal the day and year written. The Contractor 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

By: _____
Priscilla A. Taylor, Mayor

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY

_____
Assistant County Attorney

APPROVED AS TO TERMS AND
CONDITIONS

_____
Bevin A. Beaudet, Director
Water Utilities Department

GLOBALTECH, INC.

By: _____
(signatory)

_____
(witness signature)

Troy L. Lyn
(witness name printed)

Bernard P. Gandy
(print signatory's name)

President/CFO
(print title)

(Corporate Seal)

March 18, 2014
(date of execution)

6001 Broken Sound Pkwy NW, Ste 610
(Contractor's Official Address)

Boca Raton, FL 33487
(Contractor's City, State, Zip Code)

WORK AUTHORIZATION NO. 12

Palm Beach County Water Utilities Department
Water, Wastewater & Reclaimed Water Improvements Design/Build Contract

Project No.: WUD 12-003
District: 5
Budget Line Item No.: 4011 - 721 - W006 - 6541
Project Title: WTP 3 – Chemical Improvements

THIS AUTHORIZATION # 12 to the Contract for Water, Wastewater & Reclaimed Water Improvements Design/Build Services dated January 24, 2012 (R2012-0159), by and between Palm Beach County and the Contractor identified herein, is for the Design/Build Services of this Work Authorization. The Contract provides for 75% SBE participation overall. This Work Authorization includes **96.21**% overall participation. The cumulative proposed SBE participation, including this authorization is **91.08**% overall. Additional authorizations will be utilized to meet or exceed the stated overall participation goal.

1. Contractor: 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 Contractor:

   See **ATTACHMENT - A**.

4. Services completed by the Contractor to date:

   See **ATTACHMENT - G**.

5. Contractor shall begin work promptly or deliver ordered materials within the following calendar days from the approval date of the Work Authorization:

   Substantial Completion **335** Calendar Days
   Final Construction Completion **365** 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 Contractor for providing the requested services in accordance with the Guaranteed Maximum Price is $ **833,148.51**.

7. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated **January 24, 2012** remain in full force and effect.

WORK AUTHORIZATION NO. 12

Project No.: WUD 12-003

Project Title: WTP 3 – Chemical Improvements

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

ATTEST:

Signed: _____

Typed Name: _____
Deputy Clerk

Palm Beach County,
Board of County Commissioners

Signed: _____
Priscilla A. Taylor, Mayor

_____
Date

Approved as to Form and Legal Sufficiency

Signed: _____

Typed Name: _____
County Attorney

CONTRACTOR: Globaltech, Inc.

ATTEST: _____
Witness

_____
(Signature)

David A. Schuman / Secretary
(Name and Title)

Bernard P. Gandy / President - CFO
(Name and Title)

(CORPORATE SEAL)

3-12-14
Date

LIST OF ATTACHMENTS

WORK AUTHORIZATION NO. 12

Palm Beach County Water Utilities Department
Water, Wastewater & Reclaimed Water 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. 12

Palm Beach County Water Utilities Department
Water, Wastewater & Reclaimed Water Improvements Design/Build Contract

SCOPE OF WORK & COMPENSATION

FOR

WTP 3 – Chemical Improvements

INTRODUCTION

Palm Beach County (County) entered into an agreement entitled WTP 3 – Chemical Piping Improvements, Palm Beach County Water Utilities Department Project No. WUD 11-134 (CONTRACT) with Globaltech, Inc. (CONTRACTOR) to provide design/build services for various general activities on the Contract for Water, Wastewater & Reclaimed Water Improvements Design/Build Services, dated January 24, 2012 (R2012-0159). This Work Authorization will be performed under that CONTRACT.

This Work Authorization encompasses providing services related to:

Improving various chemical handling facilities at WTP 3 including replacing existing acid piping, removing old chlorine tank cradles and associated piping (located in the bulk storage containment area), installation of a corrosion inhibitor system for the Deep Inject Well (DIW) located in existing chemical containment area, and installation of two booster pumps to inject sampling water into the DIW.

SCOPE OF SERVICES

Engineering Services

A. Meet with plant staff to obtain existing drawings and review system and operational requirements.
B. Prepare detailed construction schedule to include as a minimum; design and permitting services, site mobilization, detailed construction activities, scheduled shut downs and durations, equipment / material delivery times, testing, and startup and commissioning.
C. Prepare submittals (or confirmation of compliance with PBCWUD design standards), administer and track submittal process.
D. Prepare 60-percent design of new acid piping system, bulk chemical storage area demolition, bulk chemical storage tank with metering pump skid, booster pumps and water meter connected to DIW. Specifically the design will include the

following five elements:

1. Acid Piping – Replacement of existing leaking CPVC acid piping with Halar piping inside acid pump room Replacement of acid supply line from two acid bulk storage tanks to the acid pump room (double containment Halar by Polypro). The discharge / injection piping will be replaced by PVDF (Kynar) to match existing double containment PVDF by Plypro.
2. Bulk Storage Containment Area Demolition – Remove old concrete tank cradles, associated piping, and pipe supports in existing abandoned chemical containment area.
3. Corrosion Inhibitor – Install bulk storage tank and chemical metering pump skid to inject corrosion inhibitor into Deep Injection Well (DIW). The tank will be installed in existing chemical containment area previously used for diesel tank by the DIW area.
4. Booster Pump – Install two booster pumps and water meter to inject sampling water into DIW. Add additional booster pump to boost sampling water from coupon testing facility into DIW. Construct containment wall and sump pump inside electrical room (for the coupon testing area) to protect electrical gears in case of overflow or drain clogging. Piping from sump pump will be directed to the exterior of the building for discharge to ground surface.

E. Submit preliminary design to PBCWUD for review. The submittal shall include three (3) full sized and three (3) half-size drawings. Submit equipment cut-sheets. Meet with PBCWUD to review comments.
F. Incorporate the review comments and prepare the Final Design. Submit Final Design to the PBCWUD. The submittal shall include three (3) copies of full-size drawing and equipment cut-sheets and three (3) copies of half-size drawings.
G. Submit O&M material for pumps.

Construction Services:

1. Establish construction staging area with plant staff prior to mobilization.
2. Mobilize materials, equipment and temporary facilities.
3. Obtain Building Permit.
4. Construct the improvements to include the following:

5. Furnish and install minimum 4,000 to 4500 gallon bulk chemical storage tank for storage of an orthophosphate corrosion inhibitor to be injected into the secondary effluent and blended membrane treatment reject concentrate process flow stream at the WTP 3 (SROC) deep injection well with flow pace chemical feed pumps and injection piping. Corrosion inhibitor storage tank shall be located in the former diesel fuel containment area near the WTP 3 (SROC) deep injection well.

   A. The tank shall be integrally molded, HDPE, vertical, minimum 4,000 gallons. The volume of the tank shall meet the requirements of the Wellfield Protection Ordinance to not exceed 150% of the containment volume.

B. Provide leveling pad for tank within the existing containment area. Recoat inside of containment area and seal any cracks. The tank shall have 316 stainless steel tie down supports to meet current wind load criteria.
C. Tank shall be installed as recommended by the tank manufacturer
D. The tank shall be equipped with top access manway, ladder, site glass for local level indication and level transducer. Level indicating transducer shall be located on the same side of the tank as the ladder and man way to allow easy access for maintenance. The level indicating transducer shall be connected to the existing plant SCADA system PLC-5. The tank shall be equipped with lightning protection.
E. Furnish and install dual Prominent chemical feed pumps inside chemical pump skid and mount on existing containment wall and inside containment area. Metering pumps shall be flow paced from the deep injection well flow meter and connect to plant SCADA system at PLC–5. Pumps shall be powered from lighting panel inside the adjacent electrical room. Provide local disconnect adjacent to pump skid.
F. Furnish and install chemical piping from metering pumps to 20" DIP above ground deep injection well piping and connect with double strap tapping saddle with retractable injection quill. Piping shall comply with requirements for wellfield protection zone 4.
G. County shall provide chemical to fill the tank.
H. County shall program PLC and SCADA screens.
I. Design-Build Entity shall prepare and submit signed and sealed drawings for Building permit with County to pay for the permitting fee.
J. Design-Build Entity shall submit modifications to the wellfield protection permit.
K. Label piping and provide valve tags.

6. Furnish and install replacement sulfuric acid piping from chemical containment to acid room, all acid room piping and partial replacement of acid discharge piping to dilution system feed injection. The new sulfuric acid piping shall be suitable for continuous exposure to 93% sulfuric acid concentration. Provide adequate safety measures for working on concentrated sulfuric acid with the existing system in operation.
    A. Furnish and install Halar acid piping with polypropylene secondary containment from the sulfuric acid tank in the chemical containment area to the acid pump room. The piping shall be installed within the existing chemical trench and containment area.
        I. Acid pipe and containment pipe size shall match existing CPVC/PVC piping size.
        II. Minimize exposed Halar piping inside containment area. Coat or wrap exposed Halar piping inside containment area to prevent UV damage.
        III. Install and test new piping.
        IV. Demolish existing PVC/CPVC sulfuric acid piping.
        V. County to drain existing sulfuric acid system
        VI. Label new piping.

B. Furnish and install acid piping inside the 2 acid pumping room enclosures. Complete all work on one pumping unit before beginning on the second redundant unit to minimize plant shutdowns. Test and commission first acid piping system and then repeat the process for the second redundant sulfuric acid pumping room.

I. Demolish existing PVC/CPVC piping inside acid rooms. County to drain the sulfuric acid system.
II. Furnish and install new Halar piping system. Use flanged or union joints when connecting to valves and appurtenances. Use threaded connections only when necessary to minimize potential for leakage.
III. The existing acid pumps will be reused.
IV. Halar piping shall be thermally fused by suitably trained personnel using industry established practices to provide a leak free system.
V. Furnish and install new valves, pulsation dampeners, back pressure valves, pressure relief valves, calibration columns and appurtenances to match existing functionality except as noted in the design-build proposal. Provide list of any existing items which are in good condition and will be reused to minimize cost.
VI. Provide adequate support for pipe, fittings and appurtenances using 316 SS or FRP unistruts and clamps.
VII. Provide piping labels and valve tags.
VIII. Recoat existing flooring and containment curbing inside the acid rooms. Clean and provide surface preparation prior to coating.

C. Furnish and install Kynar sulfuric acid piping and polypropylene secondary containment piping on the discharge side of the sulfuric acid pumps to the acid pre-dilution system inside the existing chemical trench. The existing piping shall remain in service while the new piping is installed and tested to minimize shutdown. Minimize the use of electrofusion pipe and fittings. Provide thermally fused pipe and fittings wherever possible. Kynar piping shall be thermally fused by suitably trained personnel using industry established practices to provide a leak free system.

I. Inside existing chemical trench install approximately 350 linear feet of Kynar acid piping with polypropylene secondary containment piping to replace the existing CPVC/PVC piping.
II. Test piping
III. Connect to existing 1" Kynar Carrier x 3" PP secondary containment installed by other Contractor and minimize shutdown.
IV. Label new piping.

7. Modifications to the WTP 3 chemical containment area to remove tank cradles, piping and pipe supports and piping no longer in use and recoat the chemical containment area, see Figure 1: No figures attached

A. Demolition of unused tank supports and grout.
B. Demolition of piping to unused caustic tank.
C. Demolition of piping supports and grout voids under slab with flowable fill.

8. Furnish and install 2 corrosion resistant booster pumps and piping for the deep injection well monitor wells so that the deep injection monitor well purge and sampling is not discharged onto the deep injection well pad. One booster pump shall be for the shallow single zone monitor well and the other booster pump shall be for the lower annular tube. The 2 pumps will have a separate discharge manifold connected to the 20" deep well piping with double strap tapping saddle and valve. The connection to the 20" DIP shall be after the corrosion coupon testing tap and prior to the deep injection well flow meter.

   A. Pipe and fittings shall be PVC schedule 80 or 316 SS.
   B. All pipe supports shall be 316 SS or aluminum.
   C. Furnish and install booster pumps on common raised pad. Provide 316 smooth nose nipples for sampling on each pump discharge.
   D. Provide flow meter with totalizer on each pump discharge to measure the purge water volume prior to sampling.
   E. Provide 316 SS check valve on each pump discharge.
   F. Booster pumps shall be powered from lighting panel inside the adjacent electrical room. Provide all electrical including local disconnect adjacent to pump.
   G. Provide piping labels and provide valve tags.

9. Furnish and install a booster pump for the existing corrosion coupon test equipment.

   A. Furnish and install booster pump, flow control valve and flow meter.
   B. Install booster pump on raised pad near existing tap on 20" DIP.
   C. Booster pump shall be powered from lighting panel inside the adjacent electrical room. Provide all electrical including local disconnect adjacent to pump.
   D. Coupon test rack is inside the existing electrical room. Provide containment berm inside room with piped overflow to prevent a leak from damaging the electrical equipment.
   E. Provide removable bollards. Bollards to be installed in existing pre-drilled holes.
   F. Provide piping labels and valve tags.

10. Commission the new facilities. A certified technician will be provided to review and approve fusion welds.
11. Restore the site to existing conditions

Submittals:

1. Provide 3 full sized and 3 half sized plans at 60% and 100% design. Provide 3 additional sets of signed and sealed full sized prints for building permit. County will be responsible for site plan modifications and abstracted survey if required. Respond to County's 60% written design comments in writing.
2. Provide 8 sets of shop drawings.

3. Provide record drawings CAD and PDF formats and 3 full size sets.
4. Construction meetings will be held monthly.
5. Conform to the Water Utilities Minimum Design and Construction Standards, Engineering Design-Manual and security requirements.

Salvaged Materials

1. Scrap metal to be placed in the County's salvage dumpster.
2. Non-metal waste such as concrete, PVC, fiberglass etc to be hauled and legally disposed by Design/Builder.

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. A 10-percent construction allowance is included in the project budget.
6. Liquidated Damages may be assessed at a rate of $1000 per day up to Substantial Completion and $500 per day from Substantial Completion until Final Completion.
7. An allowance of $25,000 is included in this Work Authorization.

COMPENSATION

Compensation shall not exceed the Guaranteed Maximum Price of $833,148.51 in accordance with the unit prices established in the Contract for construction services dated January 24, 2012 as approved by the Board of County Commissioners.

SBE/M-WBE PARTICIPATION

As described in Section 3.5 of the Contract, 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).

ATTACHMENT - B

WORK AUTHORIZATION NO. 12

Palm Beach County Water Utilities Department
Water, Wastewater & Reclaimed Water 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:

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

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

Low Important Project (Criticality 3): Liquidated Damages
$500 per day after Substantial Completion Date
$250 per day after Final Completion Date

FRONT PAGE OF
PUBLIC PAYMENT BOND
Florida Statute 255.05

Attached to and part of BOND NO. K09025182
In Compliance with Florida Statutes Chapter 255.05 (1) (a), Public Work. All other Bond page(s) are deemed subsequent to this page regardless of any number (s) that may be pre-printed thereon.

CONTRACTOR: Globaltech, Inc.
6001 Broken Sound Parkway NW, Ste. 610
Boca Raton, FL 33487
561-997-6433

SURETY: Westchester Fire Insurance Company
436 Walnut Street
Philadelphia, PA 19106
800-357-4473

AGENT: Nielson, Rosenhaus & Associates
4000 South 57th Avenue, Suite 201
Lake Worth, FL 33463
561-432-5550

OBLIGEE: Palm Beach County
8100 Forest Hill Boulevard
West Palm Beach, FL 33413
561-493-6000

PROJECT: WTP No. 3 Chemical Improvements

ATTACHMENT - C

PUBLIC CONSTRUCTION BOND

BOND NUMBER:	K09025182
BOND AMOUNT:	$833,148.51
CONTRACT AMOUNT:	$833,148.51
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:	Westchester Fire Insurance Company
SURETY'S ADDRESS:	436 Walnut Street WA10F Philadelphia, PA 19106 (800) 357-4473
OWNER'S NAME:	Palm Beach County
OWNER'S ADDRESS:	8100 Forest Hill Boulevard West Palm Beach, FL 33413
OWNER'S PHONE:	(561) 493-6000
DESCRIPTION OF WORK:	Furnish and install new sulfuric acid piping suitable for continuous exposure to 93% sulfuric acid concentration inside the acid pumping rooms and on the pump discharge piping prior to the acid dilution system.
COUNTY'S PROJECT No:	WUD 14-022, WA-12
PROJECT LOCATION:	PBCWUD Water Treatment Plant No. 3, 13026 S Jog Road, Delray Beach, FL 33446, PCN 00-42-46-10-00-000-1020
LEGAL DESCRIPTION:	WTP No. 3 Chemical Improvements WUD 14-022

THE PROVISIONS AND LIMITATIONS OF SECTION 255.05

FLORIDA STATUTES, INCLUDING BUT NOT LIMITED TO THE NOTICE AND TIME LIMITATIONS IN SECTIONS

255.05(2) AND 255.05(10), ARE INCORPORATED IN THIS BOND BY REFERENCE.

PUBLIC CONSTRUCTION BOND

This Bond is issued in favor of the County 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, for the use and benefit of claimant as herein below defined, in the amount of

Dollars $833,148.51

Eight hundred thirty-three thousand one hundred forty-eight dollars and fifty-one 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.

WHEREAS,

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

Project Name: WTP No. 3 Chemical Improvements
Project No.: WUD 14-022
Project Description: Furnish and install new sulfuric acid piping suitable for continuous exposure to 93% sulfuric acid concentration inside the acid pumping rooms and on the pump discharge piping prior to the acid dilution system.
Project Location: PBCWUD Water Treatment Plant No. 3, 13026 S Jog Road, Delray Beach, FL 33446, PCN 00-42-46-10-00-000-1020

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
Fax: (561) 997-5811

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 14-022, 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 all losses, damages (including liquidated damages), expenses, costs, and attorneys' fees, including appellate proceedings, that County sustains because of a default by Principal under the 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.

Witness

Jennifer N. LaFlam
Print name

As per attached power of attorney
Witness

Print name

Globaltech, Inc.
Principal (Seal)

BERNARDO P. GANDY
Print name

PRESIDENT
Title

Westchester Fire Insurance Company
Surety (Seal)

Print name

Brett Rosenhaus, Attorney in fact
Title

ATTACHMENT - D

FORM OF GUARANTEE

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

We the undersigned hereby guarantee that the **Water Treatment Plant No. 3 Chemical Improvements, WUD 14-022, WA-12.** 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: _____ BERNARDO P. GRANDY
(Signature) (Printed Name)

Westchester Fire Insurance Company
_____(Seal)
(Surety)

By: _____ Brett Rosenhaus, Attorney in fact
(Signature) (Printed Name)

Power of Attorney

WESTCHESTER FIRE INSURANCE COMPANY

Know all men by these presents: That **WESTCHESTER FIRE INSURANCE COMPANY**, a corporation of the Commonwealth of Pennsylvania pursuant to the following Resolution, adopted by the Board of Directors of the said Company on December 11, 2006, to wit:

"RESOLVED, that the following authorizations relate to the execution, for and on behalf of the Company, of bonds, undertakings, recognizances, contracts and other written commitments of the Company entered into the ordinary course of business (each a "Written Commitment"):

(1) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise.

(2) Each duly appointed attorney-in-fact of the Company is hereby authorized to execute any Written Commitment for and on behalf of the Company, under the seal of the Company or otherwise, to the extent that such action is authorized by the grant of powers provided for in such persons written appointment as such attorney-in-fact .

(3) Each of the Chairman, the President and the Vice Presidents of the Company is hereby authorized, for and on behalf of the Company, to appoint in writing any person the attorney-in-fact of the Company with full power and authority to execute, for and on behalf of the Company, under the seal of the Company or otherwise, such Written Commitments of the Company as may be specified in such written appointment, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.

(4) Each of the Chairman, the President and Vice Presidents of the Company in hereby authorized, for and on behalf of the Company, to delegate in writing any other officer of the Company the authority to execute, for and on behalf of the Company, under the Company's seal or otherwise, such Written Commitments of the Company as are specified in such written delegation, which specification may be by general type or class of Written Commitments or by specification of one or more particular Written Commitments.

(5) The signature of any officer or other person executing any Written Commitment or appointment or delegation pursuant to this Resolution, and the seal of the Company, may be affixed by facsimile on such Written Commitment or written appointment or delegation.

FURTHER RESOLVED, that the foregoing Resolution shall not be deemed to be an exclusive statement of the powers and authority of officers, employees and other persons to act for and on behalf of the Company, and such Resolution shall not limit or otherwise affect the exercise of any such power or authority otherwise validly granted or vested.

Does hereby nominate, constitute and appoint Brett Rosenhaus, Charles D Nielson, Charles J Nielson, David R Hoover, Edward M Clark, Ian A Nipper, Joseph P Nielson, Katherine S Grimsley, Kevin R Wojtowicz, Laura D Mosholder, all of the City of MIAMI LAKES, Florida, each individually if there be more than one named, its true and lawful attorney-in-fact, to make, execute, seal and deliver on its behalf, and as its act and deed any and all bonds, undertakings, recognizances, contracts and other writings in the nature thereof in penalties not exceeding Ten million dollars & zero cents ($10,000,000.00) and the execution of such writings in pursuance of these presents shall be as binding upon said Company, as fully and amply as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its principal office.

IN WITNESS WHEREOF, the said Stephen M. Haney, Vice-President, has hereunto subscribed his name and affixed the Corporate seal of the said **WESTCHESTER FIRE INSURANCE COMPANY** this 16 day of July 2012.

WESTCHESTER FIRE INSURANCE COMPANY

Stephen M. Haney , Vice President

COMMONWEALTH OF PENNSYLVANIA
COUNTY OF PHILADELPHIA ss

On this 16 day of July, AD. 2012 before me, a Notary Public of the Commonwealth of Pennsylvania in and for the County of Philadelphia came Stephen M Haney ,Vice-President of the **WESTCHESTER FIRE INSURANCE COMPANY** to me personally known to be the individual and officer who executed the preceding instrument, and he acknowledged that he executed the same, and that the seal affixed to the preceding instrument is the corporate seal of said Company; that the said corporate seal and his signature were duly affixed by the authority and direction of the said corporation, and that Resolution, adopted by the Board of Directors of said Company, referred to in the preceding instrument, is now in force.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my official seal at the City of Philadelphia the day and year first above written.

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
KAREN E. BRANDT, Notary Public
City of Philadelphia, Phila. County
My Commission Expires September 26, 2014

Notary Public

I, the undersigned Assistant Secretary of the **WESTCHESTER FIRE INSURANCE COMPANY**, do hereby certify that the original POWER OF ATTORNEY, of which the foregoing is a substantially true and correct copy, is in full force and effect.

In witness whereof, I have hereunto subscribed my name as Assistant Secretary, and affixed the corporate seal of the Corporation, this day of

William L. Kelly, Assistant Secretary

THIS POWER OF ATTORNEY MAY NOT BE USED TO EXECUTE ANY BOND WITH AN INCEPTION DATE AFTER July 16, 2014.

FORM NO. 8800S
Super Safety® ANTI-FRAUD PROTECTION

ATTACHMENT - E

WORK AUTHORIZATION COST SCHEDULE

Globaltech
A DESIGN - BUILD COMPANY

Takeoff Worksheet by Bid Item w/Tax & Markup

03/19/14

WUD 12-003 PBC Water Utilities Department
140419 PBC WTP 3 Chemical Improvement

Assembly#		Description	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Job: 140419 PBC WTP 3 Chemical Improvement									
Bid Item:		**1 General Conditions**							
1		Temporary Facilities	LOT	1.00	4,940.00				
	L	Trailer Pick up/Delivery	Ea	2.00	150.00	300.00	6.00	1.1500	365.70
	L	Container Rental	Ea	7.00	125.00	875.00	6.00	1.1500	1,066.63
	L	Sanitary	Month	7.00	95.00	665.00	6.00	1.1500	810.64
	L	Job Site Office Supplies	LOT	1.00	100.00	100.00	6.00	1.1500	121.90
	L	Waste Hauling	LOT	5.00	600.00	3,000.00	6.00	1.1500	3,657.00
2		General Conditions	LOT	1.00	48,321.12				
	L	Submittal Labor	HR	60.0	59.54	3,572.40		1.2992	4,641.26
	L	O&M	HR	50.0	59.54	2,977.00		1.2992	3,867.72
	L	Progress Meeting	HR	30.0	79.50	2,385.00		1.2992	3,098.59
	L	Scheduling Labor	HR	30.0	59.54	1,786.20		1.2992	2,320.63
	L	Construction PM	HR	250.	59.54	14,885.00		1.2992	19,338.59
	L	Construction Superintendent	HR	200.	52.96	10,592.00		1.2992	13,761.13
	L	Startup Crew	CR-D	4.00	799.44	3,197.76		1.2992	4,154.53
	L	Punch Out Crew	CR-D	4.00	799.44	3,197.76		1.2992	4,154.53
	L	Office Admin	HR	40.0	33.66	1,346.40		1.2992	1,749.24
	L	Safety	LOT	20.0	59.54	1,190.80		1.2992	1,547.09
	L	Safety Equipment	LOT	1.00	1,000.00	1,000.00	6.00	1.1500	1,219.00
	L	Building Permits	LOT	20.0	59.54	1,190.80		1.2992	1,547.09
	L	Testing Services	LOT	2.00	500.00	1,000.00		1.1000	1,100.00
					Bid Item Totals:	**53,261.12**			**68,521.27**

Assembly#		Description	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Bid Item:		**2 Sitework**							
2001		Mobilization	LOT	1.00	2,498.88				
	L	Construction PM	HR	8.00	59.54	476.32		1.2992	618.83
	L	Construction Superintendent	HR	8.00	52.96	423.68		1.2992	550.45
	L	3 Man Crew	CR-D	2.00	799.44	1,598.88		1.2992	2,077.26
		Tank Cradles Removal	LOT						
		Concrete Cutting	LOT	2.00	1,050.00	2,100.00		1.1000	2,310.00
		Concrete Removal	CR-D	3.00	799.44	2,398.32		1.2992	3,115.90
		Pipe & Pipe Support Removal	LOT	4.00	799.44	3,197.76		1.2992	4,154.53
		Flowable Fill & Misc Concrete & Patch	LOT	1.00	1,200.00	1,200.00	6.00	1.1500	1,462.80
		Concrete Pump	LOT	1.00	600.00	600.00	6.00	1.1500	731.40
		Patch & Repair	LOT	4.00	799.44	3,197.76		1.2992	4,154.53
		Construction PM	HR	12.0	59.54	714.48		1.2992	928.25
2002		Demob	LOT	1.00	2,498.88				
	L	Construction PM	HR	8.00	59.54	476.32		1.2992	618.83
	L	Construction Superintendent	HR	8.00	52.96	423.68		1.2992	550.45
	L	3 Man Crew	CR-D	2.00	799.44	1,598.88		1.2992	2,077.26
					Bid Item Totals:	**18,406.08**			**23,350.49**
Bid Item:		**3 Concrete**							
		Tank Pedestal, Skid Support and Booster Pump Pa	LOT						
		Cast In Place Concrete	LOT	9.00	175.00	1,575.00	6.00	1.1500	1,919.93
		Form & Materials	LOT	1.00	1,200.00	1,200.00	6.00	1.1500	1,462.80
		Concrete Pump	LOT	1.00	600.00	600.00	6.00	1.1500	731.40
		3 Man Crew	CR-D	8.00	799.44	6,395.52		1.2992	8,309.06
		Construction PM	HR	10.0	59.54	595.40		1.2992	773.54
					Bid Item Totals:	**10,365.92**			**13,196.73**

Assembly#		Description	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Bid Item:		**5 Misc Metals**							
5050		Misc Metals	LOT	2.00	2,618.08				
	L	Unistrut 316/FRP	Ea	6.00	120.00	720.00	6.00	1.1500	877.68
	L	Unistrut Hardware 316/FRP	LOT	2.00	1,000.00	2,000.00	6.00	1.1500	2,438.00
	L	2 Man Crew	CR_D	4.00	629.04	2,516.16		1.2992	3,269.00
		Tank Tie-Downs	LOT	1.00	100.00	100.00	6.00	1.1500	121.90
		SS Unistrut 316 (DEEP)	Ea	14.0	120.00	1,680.00	6.00	1.1500	2,047.92
		SS Unistrut Pipe Clamp	LOT	1.00	2,500.00	2,500.00	6.00	1.1500	3,047.50
		SS Unistrut Hardware	LOT	1.00	2,000.00	2,000.00	6.00	1.1500	2,438.00
		Fasteners	LOT	1.00	1,000.00	1,000.00	6.00	1.1500	1,219.00
		2 Man Crew	CR_D	3.00	629.04	1,887.12		1.2992	2,451.75
					Bid Item Totals:	**14,403.28**			**17,910.75**
Bid Item:		**9 Finishes**							
9000		Finishes	LOT	2.00	8,810.16				
	L	Concrete Prep	LOT	2.00	500.00	1,000.00	6.00	1.1500	1,219.00
	L	Containment Coating	LOT	4.00	899.52	3,598.08	6.00	1.1500	4,386.05
	L	Misc Application Material	LOT	2.00	500.00	1,000.00	6.00	1.1500	1,219.00
	L	Labels	LOT	2.00	500.00	1,000.00	6.00	1.1500	1,219.00
	L	3 Man Crew	CR-D	12.0	799.44	9,593.28		1.2992	12,463.59
	L	Construction PM	HR	24.0	59.54	1,428.96		1.2992	1,856.50
		Pipe Coating							
		Coatings	LOT	1.00	500.00	500.00	6.00	1.1500	609.50
		Misc Application Material	LOT	1.00	200.00	200.00	6.00	1.1500	243.80
		3 Man Crew	CR-D	4.00	799.44	3,197.76		1.2992	4,154.53
9000		Corrosion Inhibitor Containment	LOT						
		Concrete Prep	LOT	2.00	799.44	1,598.88		1.2992	2,077.26
		Containment Coating	LOT	1.00	4,224.04	4,224.04	6.00	1.1500	5,149.10

Assembly#	Description	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
	Misc Application Material	LOT	1.00	1,000.00	1,000.00	6.00	1.1500	1,219.00
	Labels	LOT	1.00	1,500.00	1,500.00	6.00	1.1500	1,828.50
	3 Man Crew	CR-D	6.00	799.44	4,796.64		1.2992	6,231.79
	Construction PM	HR	12.0	59.54	714.48		1.2992	928.25
	Pipe Coating							
	Coatings	LOT	1.00	400.00	400.00	6.00	1.1500	487.60
	Misc Application Material	LOT	1.00	200.00	200.00	6.00	1.1500	243.80
	3 Man Crew	CR-D	3.00	799.44	2,398.32		1.2992	3,115.90
				Bid Item Totals:	**38,350.44**			**48,652.17**
Bid Item:	**11 Equipment**							
	Chemical Metering Pump Skid	LOT	1.00	23,000.00	23,000.00	6.00	1.1500	28,037.00
	HDPE Tank (Including Freight)	Ea	1.00	8,500.00	8,500.00	6.00	1.1500	10,361.50
	HDPE Tank FRP Ladder	Ea	1.00	3,000.00	3,000.00	6.00	1.1500	3,657.00
	3 Man Crew	CR-D	3.00	799.44	2,398.32		1.2992	3,115.90
	Booster pump	Ea	3.00	750.00	2,250.00	6.00	1.1500	2,742.75
	Sump Pump	Ea	1.00	950.00	950.00	6.00	1.1500	1,158.05
	Construction PM	HR	10.0	59.54	595.40		1.2992	773.54
				Bid Item Totals:	**40,693.72**			**49,845.74**
Bid Item:	**13 I&C**							
	SureSite Visual Indicator & Transmitter	EA	1.00	6,499.00	6,499.00	6.00	1.1500	7,922.28
	Programming	LOT	1.00	6,000.00	6,000.00		1.1000	6,600.00
				Bid Item Totals:	**12,499.00**			**14,522.28**
Bid Item:	**15 Mechanical**							
	PVDF X PP Pipe & Fittings	LOT	1.00	16,695.80	16,695.80	6.00	1.1500	20,352.18
	Electro Fusion Rental Equipment	LOT	1.00	2,100.00	2,100.00	6.00	1.1500	2,559.90
	Halar Pipe & Fittings	LOT	1.00	138,379.00	138,379.00	6.00	1.1500	168,684.00
	Halar Valve	LOT	1.00	52,699.86	52,699.86	6.00	1.1500	64,241.13
	Inline Gauge Guard	EA	4.00	767.15	3,068.60	6.00	1.1500	3,740.63

Assembly#	Description	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
	Fusion Contractor, Training & Certification	DAY	22.0	1,200.00	26,400.00		1.1000	29,040.00
	Installation (Crew Days)	CR-D	32.0	799.44	25,582.08		1.2992	33,236.24
	Halar Fusion Rental Equipment & Tools	LOT	1.00	5,830.68	5,830.68	6.00	1.1500	7,107.60
	Flange Kits & Misc Materials	LOT	1.00	2,000.00	2,000.00	6.00	1.1500	2,438.00
	Consumables	LOT	1.00	500.00	500.00	6.00	1.1500	609.50
	Construction PM	HR	40.0	59.54	2,381.60		1.2992	3,094.17
	Acid Tank Fill Line (3-inch)							
	Halar Pipe & Fittings	LOT	1.00	25,647.20	25,647.20	6.00	1.1500	31,263.93
	Valve	EA	3.00	2,155.60	6,466.80	6.00	1.1500	7,883.03
	Flange Kits & Misc Materials	LOT	1.00	300.00	300.00	6.00	1.1500	365.70
	Installation	CR-D	4.00	799.44	3,197.76		1.2992	4,154.53
	Construction PM	HR	4.00	59.54	238.16		1.2992	309.42
	Corrosion Inhibitor and Booster Pump							
	Bulkhead Fittings	LOT	1.00	696.00	696.00	6.00	1.1500	848.42
	SCH 80 PVC/CPVC Pipe & Ftgs	LOT	1.00	5,950.00	5,950.00	6.00	1.1500	7,253.05
	Y-Strainer	LOT	1.00	350.00	350.00	6.00	1.1500	426.65
	Valves & Operators	LOT	1.00	2,816.00	2,816.00	6.00	1.1500	3,432.70
	Tubing & Ftgs	LOT	1.00	2,636.00	2,636.00	6.00	1.1500	3,213.28
	Injection Assembly	LOT	1.00	2,459.00	2,459.00	6.00	1.1500	2,997.52
	20" Tapping Saddle	LOT	3.00	550.00	1,650.00	6.00	1.1500	2,011.35
	SS Pipe, Tubing, valves, & Ftgs	LOT	1.00	2,500.00	2,500.00	6.00	1.1500	3,047.50
	Water Meter	Ea	3.00	766.00	2,298.00	6.00	1.1500	2,801.26
	Check Valve	Ea	3.00	120.00	360.00	6.00	1.1500	438.84
	Eyewash/Shower & Accessories	EA	1.00	1,936.00	1,936.00	6.00	1.1500	2,359.98
	Bollards	LOT	5.00	350.00	1,750.00	6.00	1.1500	2,133.25
	Installation	CR-D	24.0	799.44	19,186.56	6.00	1.2992	26,422.80
	Construction PM	HR	40.0	59.54	2,381.60		1.2992	3,094.17
				Bid Item Totals:	**358,456.70**			**439,560.73**

Assembly#	Description	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price
Bid Item:	**16 Electrical**							
	Electrical Sub	LOT	1.00	28,000.00	28,000.00		1.1000	30,800.00
				Bid Item Totals:	**28,000.00**			**30,800.00**
Bid Item:	**18 Rental Equipment**							
	Crane Rental	LOT	1.00	2,000.00	2,000.00	6.00	1.1500	2,438.00
	Backhoe w/ forks	LOT	6.00	899.00	5,394.00	6.00	1.1500	6,575.29
	Fuel	LOT	500.	5.00	2,500.00	6.00	1.1500	3,047.50
	Misc Tools	LOT	1.00	1,000.00	1,000.00	6.00	1.1500	1,219.00
	Saw Blade	LOT	10.0	90.00	900.00	6.00	1.1500	1,097.10
	Concrete Core	Ea	2.00	500.00	1,000.00	6.00	1.1500	1,219.00
				Bid Item Totals:	**12,794.00**			**15,595.89**
Bid Item:	**25 Allowance**							
	Allowance	LOT	1.00	25,000.00	25,000.00		1.0000	25,000.00
				Bid Item Totals:	**25,000.00**			**25,000.00**
Bid Item:	**50 Engineering/Record Drawing**							
	Engineering/Record Drawings	LOT	1.00	16,000.00	16,000.00		3.0000	48,000.00
	Engineering Electrical	LOT	1.00	13,000.00	13,000.00		1.1000	14,300.00
	Engineering Sub (surveyor)	LOT	1.00	2,000.00	2,000.00		1.1000	2,200.00
				Bid Item Totals:	**31,000.00**			**64,500.00**
Bid Item:	**60 Bonds, Insurance & Certifications**							
	Bonds & Certifications	LOT	1.00	12,618.40	12,618.40		1.1500	14,511.16
	Builders Risk Insurance	LOT	1.00	6,244.61	6,244.61		1.1500	7,181.30
				Bid Item Totals:	**18,863.01**			**21,692.46**
				Grand Totals:	**662,093.27**			**833,148.51**

Assembly#	Description	Unit	Quantity	Cost	Ext. Cost	Tax (%)	Markup*	Ext. Price

** Materials = 15%, Subcontractors = 10%, Labor at Burden = 29.92% (12% G&A x 16% Profit & Overhead)*

Assumptions:

1) Reuse existing 1 inch SS flex coupling, calibration column, and 2 inch pulsation dampener
2) Using 2 inch riser pipe in lieu of existing 6 inch

ATTACHMENT - F

SBE SCHEDULE 1 & 2

ATTACHMENT - F

SCHEDULE 1

LIST OF PROPOSED SBE-M/WBE PRIME/SUBCONTRACTORS

PROJECT NAME: WTP 3: Chemical Improvements

PROJECT No: WUD 12-003

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) Minority Business	Small Business	Dollar Amount Black	Hispanic	Women	Caucasian	Other (Please Specify)
Globaltech, Inc., (561) 997-6433 6001 Broken Sound Parkway NW, Suite 610, Boca Raton, FL 33487	☐	☑	$ -	$ -	$ 754,648.51	$ -	$ -
Hillers Electrical Engineering, Inc. 23257 State Road 7, Suite 100 Boca Raton, FL 33428	☐	☑	$ -	$ -	$ 19,000.00	$ -	$ -
Energy Efficient Electric, Inc. 1600 Mercer Avenue, Unit 6 West Palm Beach, FL 33401	☐	☑	$ -	$ -	$ 28,000.00	$ -	$ -
	☐	☐	$ -	$ -	$ -	$ -	$ -
	☐	☐	$ -	$ -	$ -	$ -	$ -
PRIME CONTRACTOR TO COMPLETE:		TOTAL	$ -	$ -	$ 801,648.51	$ -	$ -

BID PRICE: $ 833,148.51 Total Value of SBE Participation: $ 801,648.51

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. 12-003 PROJECT NAME: WTP 3: Chemical 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: 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
1	Design Engineering	1	LS	$49,500.00
2	Project Management and Administration	1	LS	$67,700.00
3	Mechanical Construction	1	LS	$637,448.51

at the following price:
$754,648.51 (Seven hundred fifty four thousand, six hundred forty eight dollars and fifty one 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: $_____.

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)

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

Date: 3-14-14

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, 2012 to November 23, 2015.

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

Construction, General
Engineering Consulting Services
Mechanical Engineering Services

Allen Gray

Allen Gray, Manager
October 31, 2012

PALM BEACH COUNTY • FLORIDA •

ATTACHMENT - F

SCHEDULE 2

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

PROJECT NO. 12-003 PROJECT NAME: WTP 3: Chemical 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 __X__ 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
1	I&C Programming	1	LS	$6,000.00
2	Electrical Engineering	1	LS	$13,000.00

at the following price:

$19,000.00 (Nineteen thousand 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: $ N/A .

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: P. Hillers
(Signature)

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

Date: 3/11/2014

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, 2012 to October 16, 2015

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

ELECTRICAL ENGINEERING SERVICES

Allen F. Gray, Manager

10/17/2012

PALM BEACH COUNTY • FLORIDA

ATTACHMENT - F

SCHEDULE 2

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

PROJECT NO. 12-003 PROJECT NAME: WTP 3: Chemical 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, 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	Electrical Contracting	1	LS	$28,000.00

at the following price:

$28,000.00 (Twenty eight thousand 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: $ N/A .

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

Date: 3/10/14

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 2012 to September 3, 2015

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

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

Allen Gray

Allen F. Gray, Manager

9/4/2012

PALM BEACH COUNTY • FLORIDA

ATTACHMENT - G

AUTHORIZATION STATUS REPORT
March 12, 2014

SUMMARY AND STATUS OF AUTHORIZATIONS

Auth. No.	Description	Status	Project Total Amount	Date Approved	WUD No. Assigned	Globaltech Project No.
	CONSULTANT SERVICE AUTHORIZATIONS					
CSA-1	WTP 8 Filter Media Replacement and Re-Rating	Approved	$31,399.22	3/8/12	12-002	120291
CSA-2	Pump Station 5241 Improvements	Approved	$11,451.79	6/14/12	12-061	120302
CSA-3	WTP 2 Wellfield Backup Power Improvements	Approved	$49,975.00	7/9/12	12-005	120321
CSA-4	WTP 3 and SROC Security Upgrades	Approved	$24,786.20	8/22/12	10-028	120334
CSA-5	WTP 9 Permeate Flushing System Modifications	Cancelled	$0.00	-	-	120330
CSA-6	WTP 3 Membrane Cleaning System Modification	Approved	$32,528.22	9/28/12	12-004	120331
CSA-6.1	WTP 3 Membrane Cleaning System Modification - Supplement 1 / Project Cancelation	Approved	-$32,528.22	5/20/13	12-004	120331
CSA-7	SRPF Membrane Concentrate Bypass and PS 9S RPZ Installation	Cancelled	$0.00	-	12-021	120340
CSA-8	LRWTP PW-5 Pump Conversion	Pending				120347
CSA-9	SROC DIW Blending System	Cancelled	$0.00	-	-	120348
	Total CSAs		$117,612.21			
	WORK AUTHORIZATIONS					
WA-1	SW Boca Diversion PS Sound Attenuation	Approved	$16,814.95	7/5/12	12-067	120303
WA-2	WTP 8 Filters 4, 5 & 6 Media Replacement	Approved	$592,611.00	8/14/12	12-002	120309
WA-3	South Bay Repump Station Improvements	Approved	$290,022.00	9/11/12	12-030	120313
WA-3.1	South Bay Repump - BB Court Electrical	Approved	$22,486.92	12/12/12	12-030	120313
WA-3.2	South Bay Repump - Isolation Valve	Approved	$3,428.48	4/4/13	12-030	120313
WA-4	LRWTP MFP No. 3 VFD Replacement	Approved	$149,985.36	8/29/12	12-074	120332
WA-5	Online Water Quality Monitoring System	Approved	$399,844.00	9/11/12	10-072	120328
WA-5.1	Online Water Quality Monitoring System - Sup. 1	Approved	$73,165.54	6/5/13	10-072	120328
WA-6	Pump Station 5241 Improvements	Approved	$277,780.62	12/4/12	12-061	120336
WA-7	LRWTP PW-5 Pump Conversion	Pending			13-015	120338
WA-8	WTP 3 and SROC Security Upgrades	Approved	$63,603.58	11/14/12	13-011	120341
WA-9	LRWTP Well 1 Generator Pad	Pending			13-016	120345
WA-10	WTP 2 Wellfield Backup Power Improvements	Approved	$716,189.09	3/12/13	12-005	120343
WA-11	SRPF Membrane Concentrate Bypass	Approved	$406,149.75	6/18/13	13-036	120357
WA-12	WTP 3 Chemical Improvements	Pending	$833,148.51		12-003	
WA-13	LRWTP Well Pump Repositioning	Approved	$30,496.69	2/21/13	11-112	120358
WA-14	WTP 3 Membrane Concentrate RPZ	Approved	$199,192.48	3/13/13	13-017	130362
WA-15	WTP 9 Membrane Concentrate RPZ's	Approved	$198,407.37	3/13/13	13-018	130364
WA-16	SW Boca Diversion Intake Modifications	Approved	$30,378.48	8/12/13	13-083	130370
WA-17	WTP 9 Permeate Flush System	Pending				130378
WA-18	WTP 8 - Filter Gallery Valve Replacement	Approved	$178,536.90	9/11/13	12-002	130385
WA-19	WRWWTF - Effluent Strainer & Screen Bypass	Approved	$182,163.55	11/06/13	13-093	130389
WA-20	WTP 11 - Membrane Replacement for Train 3	Pending			14-039	
WA-21	WTP 8 - Hypo. Bldg. Generator Connection	Pending	$0.00		14-023	
	Total WAs		$4,664,405.27			
	Total CSAs + WAs		**$4,782,017.48**			

ATTACHMENT - H

AUTHORIZATION STATUS REPORT
WATER, WASTEWATER, AND RECLAIMED WATER IMPROVEMENTS DESIGN-BUILD SERVICES CONTRACT

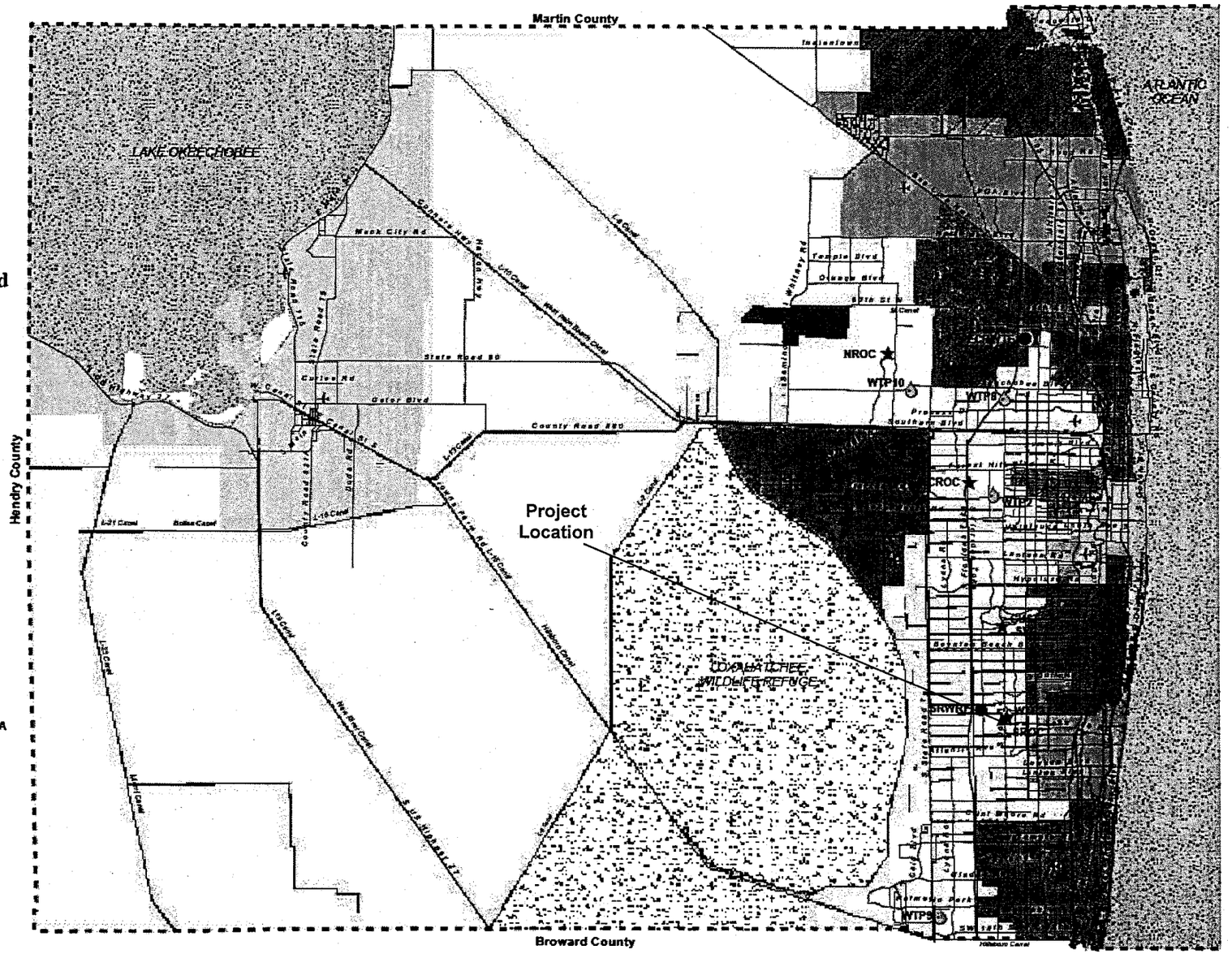
SUMMARY of SBE/MWBE TRACKING

WUD 12-003: WTP 3 - Chemical Improvements

	Total
Current Proposal	
Value of Consultant Service Authorization	$0.00
Value of Work Authorization	$833,148.51
Value of CSA and WA	$833,148.51
Value of SBE Minority Letter of Intent	$801,648.51
Actual Percentages	96.21%
Signed / Approved Authorizations	
Total Value of Approved Consultant Service Authorization	$117,612.21
Total Value of Approved Work Authorization	$3,831,256.76
Total Value of CSAs and WAs	$3,948,868.97
Total Value of SBE Signed Subcontracts	$3,554,045.97
Actual Percentages	90.00%
Signed Authorizations Plus Current Proposal	
Total Value of Approved CSAs Plus Current CSA Proposal	$117,612.21
Total Value of Approved WAs Plus Current WA Proposal	$4,664,405.27
Total Value of Approved and Proposed CSAs and WAs	$4,782,017.48
Total Value of SBE Subcontracts and Letters of Intent	$4,355,694.48
Actual Percentages	91.08%
GOAL	75%

ATTACHMENT – I
Project Location Map

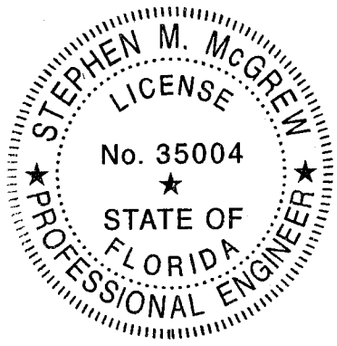
Palm Beach County Water Utilities Department Service Area (SA) and Major Facilities



WA-12: WTP 3 Chemical Improvements (WUD Project No. 12-003)

ATTACHMENT J

DESIGN CRITERIA
FOR
Water Treatment Plant No. 3
Chemical Improvements



Stephen McGrew, P.E.
P.E. License #35004
Palm Beach County Water Utilities
8100 Forest Hill Boulevard
West Palm Beach, FL 33413

Date: 3/17/14

DESIGN CRITERIA
FOR
Water Treatment Plant No. 3
Chemical Improvements

Part 1 General

1.1 Summary of Work

The proposed work to be performed as described below is located at the following facility:

Water Treatment Plant No. 3
13026 South Jog Road
Delray Beach, FL 3344
PCN 00-42-46-10-00-000-1020

The proposed work to be performed by the Design/Builder generally includes furnishing all labor, equipment, materials, tools, supervision, and services required to design, construct, test, and startup for:

1. Furnish and install minimum 4,000 to 4500 gallon bulk chemical storage tank for storage of an orthophosphate corrosion inhibitor to be injected into the secondary effluent and blended membrane treatment reject concentrate process flow stream at the WTP 3 (SROC) deep injection well with flow pace chemical feed pumps and injection piping. Corrosion inhibitor storage tank shall be located in the former diesel fuel containment area near the WTP 3 (SROC) deep injection well.

    A. The tank shall be integrally molded, HDPE, vertical, minimum 4,000 gallons. The volume of the tank shall meet the requirements of the Wellfield Protection Ordinance to not exceed 150% of the containment volume.
    B. Provide leveling pad for tank within the existing containment area. Recoat inside of containment area and seal any cracks.
    C. The tank shall have 316 stainless steel tie down supports to meet current wind load criteria.
    D. Tank shall be installed as recommended by the tank manufacturer
    E. The tank shall be equipped with top access manway, ladder, site glass for local level indication and level transducer. Level indicating transducer shall be located on the same side of the tank as the ladder and man way to allow easy access for maintenance. The level indicating transducer shall be connected to the existing plant SCADA system PLC-5. The tank shall be equipped with lightning protection.
    F. Furnish and install dual Prominent chemical feed pumps inside chemical pump skid and mount on existing containment wall and inside containment area. Metering pumps shall be flow paced from the deep injection well flow meter and connect to plant SCADA system at PLC–5. Pumps shall be powered from lighting panel inside the adjacent electrical room. Provide local disconnect adjacent to pump skid.

G. Furnish and install chemical piping from metering pumps to 20" DIP above ground deep injection well piping and connect with double strap tapping saddle with retractable injection quill. Piping shall comply with requirements for wellfield protection zone 4.
H. County shall provide chemical to fill the tank.
I. County shall program PLC and SCADA screens.
J. Design-Build Entity shall prepare and submit signed and sealed drawings for Building permit with County to pay for the permitting fee.
K. Design-Build Entity shall submit modifications to the wellfield protection permit.
L. Label piping and provide valve tags.

2. Furnish and install replacement sulfuric acid piping from chemical containment to acid room, all acid room piping and partial replacement of acid discharge piping to dilution system feed injection. The new sulfuric acid piping shall be suitable for continuous exposure to 93% sulfuric acid concentration. Provide adequate safety measures for working on concentrated sulfuric acid with the existing system in operation.

   A. Furnish and install Halar acid piping with polypropylene secondary containment from the sulfuric acid tank in the chemical containment area to the acid pump room. The piping shall be installed within the existing chemical trench and containment area.
      I. Acid pipe and containment pipe size shall match existing CPVC/PVC piping size.
      II. Minimize exposed Halar piping inside containment area. Coat or wrap exposed Halar piping inside containment area to prevent UV damage.
      III. Install and test new piping.
      IV. Demolish existing PVC/CPVC sulfuric acid piping.
      V. County to drain existing sulfuric acid system
      VI. Label new piping.

   B. Furnish and install acid piping inside the 2 acid pumping room enclosures. Complete all work on one pumping unit before beginning on the second redundant unit to minimize plant shutdowns. Test and commission first acid piping system and then repeat the process for the second redundant sulfuric acid pumping room.

      I. Demolish existing PVC/CPVC piping inside acid rooms. County to drain the sulfuric acid system.
      II. Furnish and install new Halar piping system. Use flanged or union joints when connecting to valves and appurtenances. Use threaded connections only when necessary to minimize potential for leakage.
      III. The existing acid pumps will be reused.

IV. Halar piping shall be thermally fused by suitably trained personnel using industry established practices to provide a leak free system.

V. Furnish and install new valves, pulsation dampeners, back pressure valves, pressure relief valves, calibration columns and appurtenances to match existing functionality except as noted in the design-build proposal. Provide list of any existing items which are in good condition and will be reused to minimize cost.

VI. Provide adequate support for pipe, fittings and appurtenances using 316 SS or FRP unistruts and clamps.

VII. Provide piping labels and valve tags.

VIII. Recoat existing flooring and containment curbing inside the acid rooms. Clean and provide surface preparation prior to coating.

C. Furnish and install Kynar sulfuric acid piping and polypropylene secondary containment piping on the discharge side of the sulfuric acid pumps to the acid pre-dilution system inside the existing chemical trench. The existing piping shall remain in service while the new piping is installed and tested to minimize shutdown. Minimize the use of electrofusion pipe and fittings. Provide thermally fused pipe and fittings wherever possible. Kynar piping shall be thermally fused by suitably trained personnel using industry established practices to provide a leak free system.

I. Inside existing chemical trench install approximately 350 linear feet of Kynar acid piping with polypropylene secondary containment piping to replace the existing CPVC/PVC piping.

II. Test piping

III. Connect to existing 1" Kynar Carrier x 3" PP secondary containment installed by other Contractor and minimize shutdown.

IV. Label new piping.

3. Modifications to the WTP 3 chemical containment area to remove tank cradles, piping and pipe supports and piping no longer in use and recoat the chemical containment area.

A. Demolition of unused tank supports and grout.
B. Demolition of piping to unused caustic tank.
C. Demolition of piping supports and grout voids under slab with flowable fill.

4. Furnish and install 2 corrosion resistant booster pumps and piping for the deep injection well monitor wells so that the deep injection monitor well purge and sampling is not discharged onto the deep injection well pad. One booster pump shall be for the shallow single zone monitor well and the other booster pump shall be for the lower annular tube. The 2 pumps will have a separate discharge manifold connected to the 20" deep well piping with double strap tapping saddle and valve. The connection to the 20" DIP shall be after the corrosion coupon testing tap and prior to the deep injection well flow meter.

A. Pipe and fittings shall be PVC schedule 80 or 316 SS.

B. All pipe supports shall be 316 SS or aluminum.
C. Furnish and install booster pumps on common raised pad. Provide 316 smooth nose nipples for sampling on each pump discharge.
D. Provide flow meter with totalizer on each pump discharge to measure the purge water volume prior to sampling.
E. Provide 316 SS check valve on each pump discharge.
F. Booster pumps shall be powered from lighting panel inside the adjacent electrical room. Provide all electrical including local disconnect adjacent to pump.
G. Provide piping labels and provide valve tags.

5. Furnish and install a booster pump for the existing corrosion coupon test equipment.

A. Furnish and install booster pump, flow control valve and flow meter.
B. Install booster pump on raised pad near existing tap on 20" DIP.
C. Booster pump shall be powered from lighting panel inside the adjacent electrical room. Provide all electrical including local disconnect adjacent to pump.
D. Coupon test rack is inside the existing electrical room. Provide containment berm inside room with piped overflow to prevent a leak from damaging the electrical equipment.
E. Provide removable bollards. Bollards to be installed in existing pre-drilled holes.
F. Provide piping labels and valve tags.

Submittals:

1. Provide 3 full sized and 3 half sized plans at 60% and 100% design. Provide 3 additional sets of signed and sealed full sized prints for building permit. County will be responsible for site plan modifications and abstracted survey if required. Respond to County's 60% written design comments in writing.
2. Provide 8 sets of shop drawings.
3. Provide record drawings CAD and PDF formats and 3 full size sets.
4. Construction meetings will be held monthly.
5. Conform to the Water Utilities Minimum Design and Construction Standards, Engineering Design-Manual and security requirements.

Salvaged Materials

1. Scrap metal to be placed in the County's salvage dumpster.
2. Non-metal waste such as concrete, PVC, fiberglass etc to be hauled and legally disposed by Design/Builder.

1.2 Permits and Fees

It shall be the Design/Builder's responsibility to secure all permits required to complete the work under this contract, except permits obtained by the Owner. The Design/Builder shall be responsible for all inspections and requirements to close-out the completed permits. The Owner shall pay all permit fees.

1.3 Tests
The Design/Builder shall pay for all required soils, concrete and coating tests.

1.4 Site elevations, Lines, and Grades
The Design/Builder shall employ a land surveyor registered in the State of Florida. The Design/Builder shall be responsible to establish elevations, lines, and levels, utilizing recognized engineering survey practices. The Design/Builder shall provide all labor, instruments and stakes, templates, and other materials necessary for marking and maintaining all lines and grades. The Design/Builder 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.

1.5 Work Area
The Design/Builder shall confine his activities to the site(s) designated by Owner for the work or staging areas for materials storage. All debris, materials, piping, and miscellaneous waste products from the proposed work shall be removed from the project as soon as possible. They shall be disposed of in accordance with applicable federal, state, and local regulations. The Design/Builder shall be responsible for determining these regulations and shall bear all costs or retain any profit associated with disposal of these items.

The Design/Builder shall protect his work throughout its length by the erection of suitable barricades and handrails, where required. The Design/Builder shall further indicate this work at night by the maintenance of suitable lights or flares, especially along or across thorough fares. Wherever it is necessary to cross a public walk, the Design/Builder shall provide suitable safe walkways with hand railings. The Design/Builder shall also comply with all laws or ordinances covering the protection of such work and the safety measures to be employed therein. The Design/Builder 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.

1.6 Underground Utilities
All water pipes, storm drains, force mains, gas or other piping, 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/Builder shall obtain permission from the Owner, or shall make suitable arrangements for their disconnection by the Owner. The Design/Builder 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/Builder. The Design/Builder shall uncover these pipes, ducts, cables, etc., 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/Builder.

All excavation activity shall comply with Florida Statute 553.851 regarding notification of existing gas and oil pipeline company Owners and shall also notify "SUNSHINE STATE" at 1 (800)-432 4770 at least forty-eight (48) hours prior to excavating. Evidence of such notice shall be furnished to the Owner prior to excavating. Provide independent locate firm within plant and pump station boundaries.

Protect existing chemical trench and chemical piping.

1.7 Maintenance of Operations

The Design/Builder's activities or any partial SCADA shutdowns shall minimize disruption to the treatment facilities and conveyance. The Design/Builder shall schedule and perform the proposed work in a manner such that the Owner can keep the existing treatment and conveyance facilities in continuous dependable operation. Operation of all existing valves, gates, and equipment shall be performed by Owner.

1.8 Plant Shutdowns

During the installation of the new acid piping WTP 3 will continue to operate using the existing acid system. All shutdowns must be approved by the Owner.

1.9 Project Coordination

Design/Builder 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/Builder 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/Builder shall not be responsible for damage done by Design/Builders not under his jurisdiction. Design/Builder shall not be liable for any such loss or damage unless it is through the negligence of Design/Builder. Design/Builder shall also coordinate his work with the work of others to assure compliance with schedules.

Design/Builder 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/Builder shall provide and maintain a field office with telephone facilities where he or a responsible representative of his organization may be reached at any time while work is in progress.

Part 2 Acceptance Test Requirements

The Design/Builder shall be responsible for coordinating and completing the overall system startup and testing. The Design/Builder is responsible for providing all labor, equipment, and materials for conducting systems startup and testing.

2.1 Starting and Placing Equipment in Operation

Design/Builder shall initially start-up and place all equipment installed into successful operation according to manufacturer's written instructions and as instructed by manufacturer's field representative. Design/Builder 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 include: cleaning; removing temporary protective coatings; flushing and replacing greases and lubricants, where required by manufacturer; 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 pumping equipment; performing any adjustments; providing chemicals and lubricants and all other required operating fluids; providing fuel, electricity, water, filters, and other expendables required for start-up of equipment.

Owner shall provide sufficient personnel to assist Design/Builder in the start-up, but the prime responsibility for proper mechanical operation shall belong to Design/Builder. 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

A. After system has been placed in operation the Design/Builder 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.

B. The Design/Builder shall check each electrical control circuit to assure that operation complies with regulations and requirements of proposed work and to provide desired performance. The Design/Builder shall vent gasses trapped in any part of systems and verify that liquids are drained from all parts of gas or air systems.

C. The Design/Builder 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 and in accord with manufacturer's recommendations.

D. The Design/Builder 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.

E. The Design/Builder shall check each motor for comparison to amperage nameplate value and correct conditions which produce excessive current flow and exist due to equipment malfunction.

F. The Design/Builder 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.

2.3 Equipment Startup and Performance Testing

The Design/Builder shall be responsible for performance testing during startup of all mechanical, electrical, instrumentation, and piping equipment and systems.

A. Provide a testing plan setting forth the sequence in which all testing work required for the proposed upgrades will be implemented.

B. Documentation the results of all equipment and system tests and submit to the Owner. Provide calibration tags for all equipment certifying the date of calibration.

2.4 Instruction of Operations and Maintenance Personnel

Training shall be provided prior to turning the operation of a system, unit process, or piece of equipment. Training shall be scheduled for each plant staff work shift accordingly. 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 Owner.

Design/Builder shall provide services of supplier's operation and maintenance training specialists to instruct Owner's personnel in recommended operation and maintenance procedures for products and equipment. Supplier may be required to provide a combination of classroom and field training. All training shall be conducted at the site, unless otherwise stated in the Specifications. Owner reserves the right to videotape training sessions.

Training of plant's personnel shall commence only after acceptable preliminary operation and maintenance data have been provided and starting and placing equipment in operation and equipment and system startup and performance testing, has been completed. Provide written documentation and checklists outlining important training items. Provide spreadsheets needed to document new processes for input by operators.

Part 3 Technical Requirements

3.1 Plant Site / Civil Requirements

The Design/Builder shall be responsible for becoming completely familiar with the site conditions in connection with developing the final site plan including all site

investigations, analysis of subsurface conditions, geotechnical conditions, and soil borings.

3.2 Demolitions

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

Design/Builder shall carry out operations so as to avoid interference with Owner's operations and work in the existing facilities. Design/Builder 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/Builder shall erect and maintain barriers, lights, sidewalk sheds, and other necessary protective devices. The Design/Builder is responsible for repairing damage to the Owner's property or facilities.

Design/Builder shall not bring explosives on site nor use explosives without written consent of authorities having jurisdiction. Design/Builder 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/Builder with the same or matching materials as the existing adjacent surface. Adjacent structures, facilities, and improvements of 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/Builder, 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/Builder so as not to be damaged, and shall be cleaned and stored in a protected location specified by the Owner. Design/Builder 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 Excavation and Backfill

Design/Builder 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/Builder 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/Builder shall be responsible for all field test data and shall submit to Owner copies of the following test reports from his testing laboratory.

Design/Builder shall perform excavation work in compliance with applicable requirements of governing authorities having jurisdiction. Design/Builder shall obtain all necessary permits for work in roads, rights of way, etc. He 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/Builder. 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/Builder. Additional test borings and other exploratory operations may be made by Design/Builder 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/Builder. Design/Builder shall explore ahead of the required excavation to determine the exact location of all structures. They shall be supported and protected from injury by the Design/Builder. If they are broken or injured, they shall be restored immediately by the Design/Builder at its expense.

Design/Builder shall locate existing underground utilities in the areas of work. If utilities are to remain in place, Design/Builder shall provide adequate means of protection during earthwork operations. If uncharted or incorrectly charted piping or other utilities are encountered during excavation, Design/Builder shall consult the Owner immediately for directions as to procedure. Design/Builder shall cooperate with Owner and utility companies in keeping respective services and facilities in operation. Design/Builder shall repair damaged utilities to the satisfaction of Owner.

Design/Builder 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

Design/Builder 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, etc. 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 the nuts shall be coated to prevent galling. Anchor bolts shall be 316 stainless steel. Stanchions, pipe supports, equipment bases, braces, and straps shall be 316 stainless steel or aluminum.

3.6 Painting

Design/Builder shall provide all labor, materials, tools, equipment, and incidentals as required to furnish and apply paint systems for surface preparation and painting of all new and existing interior and exterior items and surfaces throughout the project areas. Mechanical and process items to be painted include new and existing walls, floors, piping, mechanical equipment, supports, and any pertinent accessory items or area damaged by the construction activity. Owner's approval shall be required for all components of the surface preparation, selection of colors, and paint system application before start of proposed work.

Part 4 Electrical Requirements

4.1 Basic Requirements

Design/Builder 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 lightening protection.

4.2 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.

4.3 Area Classifications

A. Wet Locations

The following areas shall be considered wet locations:

1. All outdoor areas.
2. All indoor areas below grade unless otherwise specified.
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.

B. Corrosive Locations
All chemical storage and pumping areas or rooms. Materials, equipment, and incidentals in areas identified as corrosive shall meet NEC and NEMA requirements for corrosive locations. Conduit systems shall be PVC and enclosures shall meet NEMA 4X requirements. Conduits shall be terminated at enclosures with watertight hubs. Independent supports shall be PVC-coated galvanized steel, or fiberglass-reinforced epoxy struts.

4.4 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.

4.5 Schematic Diagrams
Schematic diagrams shall be prepared by the Design/Builder to act as guidance in fulfilling the operational intent of the conceptual documents. It shall be the Design/Builder'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/Builder shall not relieve Design/Builder of their contractual responsibility to provide complete and successfully operating systems.

4.6 Raceway Systems
Design/Builder shall furnish and install conduit and fittings to form complete, coordinated, and grounded raceway systems. Design/Builder shall provide for the proper installation of all conduits for each system.

A. Rigid aluminum conduit for exposed indoor conduit runs in non-corrosive areas and rigid aluminum at all other sites.
B. PVC Schedule 80 for individual conduit runs direct buried in earth and PVC coated rigid steel at all other sites (minimum 24-inch burial depth).
C. Schedule 40 PVC for conduit runs embedded in or under structural concrete slabs or in concrete ductbanks (all sites).
D. PVC schedule 80 conduit for exposed indoor and outdoor runs in corrosive areas and PVC coated rigid steel at all other sites.
E. Flexible conduit for connections to motors and equipment.

4.7 Inspections, Testing and Adjustments
Accompany the normal installation tests with inspections to demonstrate to the satisfaction of the required judicial authorities the following:

A. Connections: All circuits are properly connected in accordance with the drawings and applicable approved shop drawings.
B. Operation: All circuits and devices are operable.
C. 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.

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.

Part 5 Instrumentation and Control Requirements

5.1 General

Design/Builder 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.

5.2 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.

5.3 System Check-Out and Start-Up Responsibilities

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

thoroughly knowledgeable about the installation, operation and maintenance of the equipment.

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

System supplier shall provide all test equipment necessary to perform the testing during system checkout and start up. Design/Builder 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/Builder 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/Builder 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/Builder and the system supplier.

5.4 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/Builder, 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.

5.5 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 with sunshield.

5.6 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.

5.7 Lightning Protection

Furnish and install UL certified lightning protection system including grounding system. Grounding grid resistance shall be 5 ohms or less.

ATTACHMENT - K

Vendor Quotes

TriNova-Florida
Formerly AMJ
4110 South Florida Ave, Suite 200
Lakeland, FL 33813
800-881-1487 Office | 863-687-0077 Fax
FLSales@trinovainc.com

QUOTATION

Quotation For:

GLOBALTECH
6001 BROKEN SOUND PARKWAY
SUITE 610
BOCA RATON FL 33487
Ph: (561) 997-6433 Fx: (561) 997-5811

Quotation#: 1401437
Revision#:
Date: 02/06/14
Prin Quote#:

Attn: BRUCE RAHMANI E-Mail: BTUCE@GLOBALTECHDB.COM
Ref: PALM BEACH COUNTY - LAKE REGIONAL CORROSION INHIB

FOB: FACTORY SHIP POINT
Delivery: 8 Weeks, ASA
Salesman: DENNIS PARKER
Validity: 30 DAYS
Terms: NET 30 DAYS

Please Address Order To:

TRINOVA- FLORIDA, FORMERLY AMJ
4110 SOUTH FLORIDA AVE
SUITE 200
LAKELAND FL 33813

AMJ Equipment is now part of the TriNova team. With our combined strengths, we can offer our customers a more complete line of products and services. If you need assistance, please contact us at 863-682-4500 or FLSALES@TRINOVAINC.COM.

Item	Qty	Part#/Description
1	1	DO000006 COMPLETE DUPLEX CORROSION INHIBITOR FEED SYSTEM: 1/2" CPVC/Viton Primary Backup System Primary/Backup arrangement PP/PE white enclosure with clear front doors 1/2" CPVC/Viton socket weld pipe valves and fittings Wye strainer 500ml CPVC calibration column Two 164ml CPVC/Viton pulsation dampeners Two pressure relief valves Pressure gauge with isolator Back pressure valve Plumbing and components rated at 150 PSI
2	2	GALA1005PVT260UDC12100 ProMinent gamma L is a microprocessor based solenoid driven diaphragm programmable pump. Stroke length adjustment from 0 - 100%, in 1% increments. Digital stroke frequency adjustment from 0 - 180 strokes per minute. Remote on/off and contact pulse (1 to 1) are standard. Three LED lights indicate operational status Fiberglass reinforced, PPE plastic housing with a NEMA 4X enclosure rating. Output displayed in GPH or LPH. Totalized output in gallons or liters. Direct Calibration and built in warning. A ProMinent Control Cable is required for external control. Capacity Data: - Flow Rate: 4.4 L/H; 1.1GPH - Pressure: 10BAR; 145PSI Selected options: - Liquid end materials: PVDF - Seal: PTFE seals with PTFE diaphragm - Liquid end version: w/ bleed valve, Without springs - Connection: 1/2 x 3/8" tube fittings - Labeling: Standard with ProMinent logo - Electrical connection: 115-230 V, 50/60 Hz ********** CONTINUED ON PAGE 2 **********

DUPLEX PUMP SKID

TriNova-Florida
Formerly AMJ
4110 South Florida Ave, Suite 200
Lakeland, FL 33813
800-881-1487 Office | 863-687-0077 Fax
FLSales@trinovainc.com

QUOTATION

Quotation For:

GLOBALTECH
6001 BROKEN SOUND PARKWAY
SUITE 610
BOCA RATON FL 33487
Ph: (561) 997-6433 Fx: (561) 997-5811

Quotation#: 1401437
Revision#:
Date: 02/06/14
Prin Quote#:

Attn: BRUCE RAHMANI E-Mail: BTUCE@GLOBALTECHDB.COM
Ref: PALM BEACH COUNTY - LAKE REGIONAL CORROSION INHIB

FOB: FACTORY SHIP POINT
Delivery: 8 Weeks, ASA
Salesman: DENNIS PARKER
Validity: 30 DAYS
Terms: NET 30 DAYS

Please Address Order To:

TRINOVA- FLORIDA, FORMERLY AMJ
4110 SOUTH FLORIDA AVE
SUITE 200
LAKELAND FL 33813

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DUPLEX PUMP SKID

********** CONTINUED ON PAGE 2 **********

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800-881-1487 Office | 863-687-0077 Fax
FLSales@trinovainc.com

QUOTATION

Quotation#: 1401437
Revision#:
Date: 02/06/14

Item	Qty	Part#/Description
		- Cable and plug: North American plug, 115 V - Relay: Option 1 + 4-20 mA analog output - Accessories: Standard FV,IV,TB for PP,PC,NP, PV - Control variants: Manual + external 1:1 with analog - Access code: with access code - Flow Monitor: Input for metering monitor signal - Pause/ float: Standard - Approval: CE
3	2	1001301 PROMINENT UNIVERSAL CONTROL CABLE 15 FT (REQUIRED FOR PUMP CONTROL)
4	1	FREIGHT ESTIMATED FREIGHT TO SITE
5	10	SUBMITTALS SUBMITTALS FOR APPROVAL
6	10	MANUALS OPERATION AND MAINTENANCE MANUALS
7	1	ONSITE SERVICE ONSITE SERVICE FOR START-UP AND TRAINING (ONE DAY)

Quote Total: 22,333.40

Please visit our website www.trinovainc.com for our upcoming training schools for 2014 for our Process Training Unit (PTU).
*** PLEASE SEND PO'S TO FLSALES@TRINOVAINC.COM ***

TriNova-Florida
Formerly AMJ
4110 South Florida Ave, Suite 200
Lakeland, FL 33813
800-881-1487 Office | 863-687-0077 Fax
FLSales@trinovainc.com

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Quotation#: 1401437
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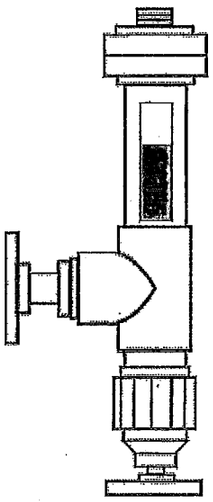
*** PLEASE SEND PO'S TO FLSALES@TRINOVAINC.COM ***

LEVEL SWITCHES

Part No.	W96377
Unit Price	$6,764.00
Lead Time (Days)	20



Technical Specifications

Indication Range:	96.25" to 240"
Specific Gravity:	1.38
Max. Pressure:	20
Operating Temp.:	80
Mounting Type:	Type CP
Housing Float Material:	CPVC
Housing Type:	2" Pipe
Float Material:	CPVC Float
Connection Code T:	(T7) Removable Flange w/2" MNPT
Connection Code Sa:	(S1) No Connection
Connection Code Sb:	(S4) 2" 150# FF ANSI Flange
Connection Code B:	(B11) Removable 2" 150# FF ANSI Flange
Flag Type:	Aluminum
Scale:	None
Transmitter:	Standard, 300F max, 4-20ma Output
Power Supply:	115 VAC to 24 VDC
Media Type	Phosphate

Ordering Information

Part Number:	W96377
List Price:	$6,764.00
Lead Time:	20 Days
Min. Order Quantity:	1
Shipping Weight:	22.18 lbs.
Model Description:	CP-2-T7/2"-S1-B11/2"150#-122.000-130.000-AA5-XMS(4-20)---

Add to Cart | Edit Configuration

Dimensional Specifications

Indicating Length:	122.000"
C to C Length:	130.000"
Critical Dimension:	C to C Length

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Resource Center

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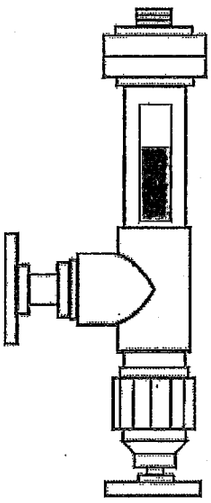
TANK SITE GLASS AND LEVEL TRANSDUCER

LEVEL SWITCHES

Part No.	W96377
Unit Price	$6,764.00
Lead Time (Days)	20



Technical Specifications

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TANK SITE GLASS AND LEVEL TRANSDUCER

Hudson
Pump & Equipment
A Division of Tencarva Machinery Company

3524 Craftsman Boulevard • Lakeland, FL • 33803
Tel: (863) 665-7867 • *Fax:* (863) 666-5649
Municipal Division

Quote No:	020314RB2	Date:	02/03/14
Company:	Globaltech, Inc.	No. Pages:	1
Location:		Your No.:Phone call received on	02/03/14
Attn:	Bruce Rahmani	e-mail:bruce@globaltechdb.com	
Phone:	(561) 997-6433	Terms:	N30
Fax:	(561) 997-5811	F.O.B.:	Destination
From:	Roger Burna/Nate Geiger	Hudson Pump to pay	freight

Conditions of Service:

We are pleased to quote as follows:

qty	Description	Price Each	Extension
3	Pump, Xylem/Goulds Water Technology Model LB1035TE, 1x1-¼, imp dia 5 ¼, 1 hp, 60 Hz, 3 phase, 230/460V, *TEFC*	$750.00	$2,250.00
	Quote Valid for 90 Days/Taxes are Not Included		

With the following notes:

BOOSTER PUMP

1. Freight is included.

Best Regards,

Roger Burna

HUDSON PUMP & EQUIPMENT
phone: (863) 665-7867
fax: (863) 666-5649
e-mail: rburna@tencarva.com
visit us at www.hudsonpump.com

Quoted By: Roger Burna

Hudson
Pump & Equipment
A Division of Tencarva Machinery Company

3524 Craftsman Boulevard • Lakeland, FL • 33803
Tel: (863) 665-7867 • *Fax:* (863) 666-5649
Municipal Division

Quote No:	020314RB2	Date:	02/03/14
Company:	Globaltech, Inc.	No. Pages:	1
Location:		Your No.:Phone call received on	02/03/14
Attn:	Bruce Rahmani	e-mail:bruce@globaltechdb.com	
Phone:	(561) 997-6433	Terms:	N30
Fax:	(561) 997-5811	F.O.B.:	Destination
From:	Roger Burna/Nate Geiger	Hudson Pump to pay	freight

Conditions of Service:

We are pleased to quote as follows:

qty	Description	Price Each	Extension
3	Pump, Xylem/Goulds Water Technology Model LB1035TE, 1x1-¼, imp dia 5 ¼, 1 hp, 60 Hz, 3 phase, 230/460V, *TEFC*	$750.00	$2,250.00
	Quote Valid for 90 Days/Taxes are Not Included		

With the following notes:

BOOSTER PUMP

1. Freight is included.

Best Regards,

Roger Burna
HUDSON PUMP & EQUIPMENT
phone: (863) 665-7867
fax: (863) 666-5649
e-mail: rburna@tencarva.com
visit us at www.hudsonpump.com

Quoted By: Roger Burna

Does

THIS ESTIMATE DOES NOT INCLUDE SUMP PUMP AND ASSOCIATED SWITCH AND RECEPTACLE.

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

BIDDER # 1

LOWEST BID CHOSEN

February 10, 2014

Electrical Scope of Work
PBC WTP 3 Metering Skids

Quote # 30830

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 a walk thru with Bruce Rahmani and Mark Luther.

Included:

1. Install LIT and support furnished by others.
2. Furnish and install a 1 ¼" conduit and 5 analog cables from panel PCM5 to the metering skid and LIT.
3. Furnish and install a 1" conduit with 16 # 14 discrete signals from PCM 5 to the metering skids and eyewash.
4. Furnish and install a ¾" conduit with 5 # 12 from existing panel PBA or PPB for the metering skids.
5. Furnish and install (3) receptacles, (2) for the metering skids and 1 for the sum pump. Sump pump and floats by others.
6. Furnish lightning protection on the new storage tank and tie into the existing ground grid.
7. Furnish and install (3) motor rated switches with overloads for the booster pumps.
8. Furnish and install conduit and wire from existing 30 amp breaker in panel DWPP to the new booster pump motor rated switches.

Excluded:

1. Permit fees.
2. Concrete and asphalt cutting and patching.
3. I/O cards if needed.
4. Programming.

Lump Sum **$22,700**

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

Does

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1600 Mercer Ave. Unit 6
West Palm Beach, FL. 33401
Phone (561) 655-7211 Fax (561) 655-9661
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Thank You, Very Kindly,

Rene Viau

Vice President

THIS ESTIMATE DOES NOT INCLUDE SUMP PUMP INSTALLATION AND ASSOCIATED SWITCHES & RECEPTACLE

Powerline of S.FL. INC.

State Certificate # EC-13003753

BIDDER # 2

Date: 4 Feb. 14

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

Ref. WTP #3 Chemical Imp.

We Purpose to provide a complete Electrical Installation per Provided Information

1. Feeder from Panel DWPP 30amp. 3ph to Booster Pumps. Providing a Minnie Power Zone 316 ss Panel at location
2. Provide Misc. at Chem. Containment Area with EM. Shower & required Lt. Protection /Grounding

Exceptions: 1. Instruments /Actuators /valves

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

THIS ESTIMATE DOES NOT INCLUDE SUMP PUMP INSTALLATION AND ASSOCIATED SWITCHES & RECEPTACLE

Powerline of S.FL. INC.

State Certificate # EC-13003753

BIDDER # 2

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

This Proposal subject to renegotiation after (90 Day Period)

Purposed Amount: ***$ 23,250.00***

Thank you for the opportunity to provide this Proposal.

Sincerely

Thomas Laessig

President

Powerline of S.FL. INC.

State Certificate # EC-13003753

This Proposal subject to renegotiation after (90 Day Period)

Purposed Amount: ***$ 23,250.00***

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Sincerely

Thomas Laessig

President

Powerline of S.FL. INC.

State Certificate # EC-13003753

Ryan Herco Flow Solutions

QUOTATION

Quotation#: 5976519
Description: GLOBALTECH, PBC SYSTEM 3, HALAR
Quote Date: 12/30/2013
Entered By: Kevin Wagner - 025
Ship To: Globaltech Inc
6001 Broken Sound Pkwy N W
Suite 610
Boca Raton, FL 33487

FEEDBACK

Let us know what you think about our Quotation email. feedback@rhfs.com

PROBLEM?

Please contact KEVIN WAGNER to report a problem with this quote or call us at (800) 848-1141.

Note: The following does not include Freight, Processing & Handling, Tax, or other applicable charges.

Qty	Product #	Description	UOM	Price	Extended
4	/07102059733	5501030 3" HALAR PIPE (16.4')	EA	3,338.57	13,354.28
12	/07102059741	5503030 3" HALAR 90 DEG ELL	EA	895.71	10,748.52
2	/07102037512	5503020 2" HALAR 90 DEG EL	EA	570.68	1,141.36
3	5014A330	PVDF/VIT TU B VLV 3" FLG ASAHI TYPE-21, 230 PSI 3"HALAR VALVES ARE N/A, QUOTING PVDF FLANGED VALVE	EA	2,155.61	6,466.82
2	/07102060272	5983020 2"HALAR FEMALE ADPT	EA	903.57	1807.14
8	/07102060275	5514030 3" HALAR STUB END	EA	484.29	3874.32
1	/07102060738	M1131943 3 X 2 HALAR FAB CON RED	EA	778.57	778.57
			Package Sub-total:		38,171.01

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Description: GLOBALTECH, PBC SYSTEM 3, HALAR
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		Package Sub-total:			38,171.01

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Ryan Herco Flow Solutions

QUOTATION

Quotation#: 5975895
Description: GLOBALTECH, PBC SYSTEM 3, HALAR
Quote Date: 12/23/2013
Entered By: Kevin Wagner - 025
Ship To: Globaltech Inc
6001 Broken Sound Pkwy N W
Suite 610
Boca Raton, FL 33487

FEEDBACK

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PROBLEM?

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Note: The following does not include Freight, Processing & Handling, Tax, or other applicable charges.

Qty	Product #	Description	UOM	Price	Extended
38	70.162773	2 X 4 HALAR X PRO45 PIPE PRICE PER LENGHT (16.4')	EA	1190.58	45242.04
30	70.162779	2X4 HALARXPRO45 90 DEG ELBOW	EA	663.488	19904.64
12	/07102037535	5514020 2" HALAR FLANGE STUB	EA	209.88	2518.56
12	2112.02	PPG BACKING FLG RING 2" PP-FRP COATED OVER STEEL INSERT. FOR USE WITH STUB ENDS.	EA	90.545	1086.54
		Package Sub-total:			68,751.78

Thank you for choosing Ryan Herco Flow Solutions. For questions please call us at (800) 848-1141.

Ryan Herco Flow Solutions

QUOTATION

Quotation#: 5975895
Description: GLOBALTECH, PBC SYSTEM 3, HALAR
Quote Date: 12/23/2013
Entered By: Kevin Wagner - 025
Ship To: Globaltech Inc
6001 Broken Sound Pkwy N W
Suite 610
Boca Raton, FL 33487

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		Package Sub-total:			68,751.78

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Ryan Herco Flow Solutions

QUOTATION

Quotation#: 5958573
Description: GLOBALTECH, PBC SYSTEM 3, HALAR
Quote Date: 10/15/2013
Entered By: Kevin Wagner - 025
Ship To: Globaltech Inc
6001 Broken Sound Pkwy N W
Suite 610
Boca Raton, FL 33487

FEEDBACK

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PROBLEM?

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Note: The following does not include Freight, Processing & Handling, Tax, or other applicable charges.

Qty	Product #	Description	UOM	Price	Extended
4	/07102037496	5528005 1/2" HALAR MALE ADAPTER	EA	251.42	1005.68
5	/07102037497	5510210 1.5" X 1" HALAR BUSHING	EA	172.36	861.8
4	/07102037498	1"HALAR GAUGE GUARD,INLINE STYLE	EA	767.15	3068.6
4	/07102037499	1442005 1/2" HALAR B-VLV VITON	EA	554.93	2219.72
22	/07102037500	1441010 1" HALAR B-VLV LITHARGE	EA	843.03	18546.66
2	/07102037501	V86 PRESSURE REGULATOR HALAR 1" 550244010	EA	1,823.00	3646 0
8	/07102037502	5529015 1.5" HALAR FEMALE ADAPT	EA	599.82	4798.56
12	/07102037503	1440020 2" HALAR DIAPHARGM VLV FOLLOWING 3 TO MAKE 2 X 1/2 TEE	EA	1,966.30	23595.588
4	/07102037504	5507020 2" HALAR TEE	EA	322.44	1289.76
4	/07102037505	5510249 2" X 1" HALAR BUSHING	EA	123.7	494.8
4	/07102037506	5510131 1" X 3/4" HALAR BUSHING	EA	110.3	441.2

Ryan Herco Flow Solutions

HOME | LOCATIONS | CATALOG

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4	/07102037498	1"HALAR GAUGE GUARD,INLINE STYLE	EA	767.15	3068.6
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4	/07102037506	5510131 1" X 3/4" HALAR BUSHING	EA	110.3	441.2

4	/07102038077	5510101 3/4"X1/2" HALAR BUSH	EA	102.93	411.72
		ABOVE TWO PARTS MAKE RED BUSH 1"X1/2"			
5	/07102037507	5510251 2" X 1.5" HALAR BUSHING	EA	123.7	618.5
18	/07102037508	5514010 1" HALAR FLANGE	EA	88.86	1599.48
18	2112.01	PPG BACKING FLG RING 1" PP-FRP COATED OVER STEEL INSERT. FOR USE WITH STUB ENDS.	EA	53.919	970.542
4	/07102037509	5947020 2" HALAR MALE ADAPTER	EA	729.3	2,917.20
4	/07102037511	5516010 1" HALAR 45 DEG EL	EA	120.3	481.20
14	/07102037512	5503020 2" HALAR 90 DEG EL	EA	570.68	7,989.52
6	/07102037513	5503005 1/2" HALAR 90 DEG EL	EA	72.11	432.66
55	/07102037514	5503010 1" HALAR 90 DEG EL	EA	113.03	6,216.65
8	/07102037515	5507020 2" HALAR TEE	EA	322.44	2,579.52
		FOLLOWING 2 TO MAKE A 2 X 1 TEE			
8	/07102037516	5507020 2" HALAR TEE	EA	322.44	2,579.52
8	/07102037517	5510249 2" X 1" HALAR BUSHING	EA	133.7	1,069.60
5	/07102037518	5510249 2" X 1" HALAR BUSHING	EA	133.7	668.50
1	/07102037519	5501005 1/2" HALAR PIPE	EA	313.06	313.06
10	/07102037520	5501010 1" HALAR PIPE	EA	549.57	5,495.70
1	/07102037521	5501015 1.5" HALAR PIPE	EA	1067.65	1,067.65
8	/07102037522	5501020 2" HALAR PIPE	EA	1,416.22	11,329.76
10	/07102037524	5507010 1" HALAR TEE	EA	120.97	1,209.70
2	/07102037535	5514020 2" HALAR FLANGE STUB	EA	209.88	419.76
2	2112.02	PPG BACKING FLG RING 2" PP-FRP COATED OVER STEEL INSERT. FOR USE WITH STUB ENDS.	EA	90.545	181.09

4	/07102038077	5510101 3/4"X1/2" HALAR BUSH	EA	102.93	411.72
		ABOVE TWO PARTS MAKE RED BUSH 1"X1/2"			
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8	/07102037517	5510249 2" X 1" HALAR BUSHING	EA	133.7	1,069.60
5	/07102037518	5510249 2" X 1" HALAR BUSHING	EA	133.7	668.50
1	/07102037519	5501005 1/2" HALAR PIPE	EA	313.06	313.06
10	/07102037520	5501010 1" HALAR PIPE	EA	549.57	5,495.70
1	/07102037521	5501015 1.5" HALAR PIPE	EA	1067.65	1,067.65
8	/07102037522	5501020 2" HALAR PIPE	EA	1,416.22	11,329.76
10	/07102037524	5507010 1" HALAR TEE	EA	120.97	1,209.70
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2	2112.02	PPG BACKING FLG RING 2" PP-FRP COATED OVER STEEL INSERT. FOR USE WITH STUB ENDS.	EA	90.545	181.09

8	/07102037563	6003134 1X3 PVDF/PP 90 ELBOW	EA	452	3,616.00
15	/07102037564	6023134 1X3 PVDF/PP PIPE 16.4'PER STICK,PRICE PER STICK	EA	926	13,890.00
1	3389.51	PVDF CPLG PRO 1" S-FUS	EA	19.945	19.945
1	/07102038043	507700030 3"PP CLOSURE CPLG	EA	197.35	197.35
1	/07102038047	6329010 1"PVDF TRANS,COUPLING	EA	154	154
2	/07102037565	6035134 1X3 PVDF/PP FLG END TERM	EA	414.25	828.5
4	/07102037568	550244010 1"HALAR PRESS VLV RELIEF APPLICATION	EA	1,923.00	7692
4	/07102038072	5507010 1" HALAR TEE	EA	120.97	483.88

POLYMATIC RENTAL FOR CLOSURE COUPLING $850.00 PER WEEK

PRICES ARE FOB ASAHI WITH FRT ALLOWED TO PALM BEACH, FL
*W900 HALAR TOOL RENTAL $880.00/WEEK
*SERVICE TECHNICIAN FOR JOB $1200.00/DAY - JOHN GALVIN CERT. PROVIDED AFTER FACTORY TRAINING
*ALL ITEMS NON CANCELLABLE/NON RETURNABLE
*LEAD TIME 3-5 WEEKS
PRICES VALID UNTIL 11/16/13

Package Sub-total: 135,401.38

Thank you for choosing Ryan Herco Flow Solutions. For questions please call us at (800) 848-1141.

8	/07102037563	6003134 1X3 PVDF/PP 90 ELBOW	EA	452	3,616.00
15	/07102037564	6023134 1X3 PVDF/PP PIPE 16.4'PER STICK,PRICE PER STICK	EA	926	13,890.00
1	3389.51	PVDF CPLG PRO 1" S-FUS	EA	19.945	19.945
1	/07102038043	507700030 3"PP CLOSURE CPLG	EA	197.35	197.35
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Package Sub-total: 135,401.38

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Ryan Herco Flow Solutions

QUOTATION

Quotation#: 5990843
Description: GLOBALTECH, PBC SYSTEM 3, HALAR
Quote Date: 2/14/2014
Entered By: Kevin Wagner - 025
Ship To: Globaltech Inc
6001 Broken Sound Pkwy N W
Suite 610
Boca Raton, FL 33487

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Qty	Product #	Description	UOM	Price	Extended
1	/77802077151	4100 GAL 102 X 130 TANK HDLPE	EA	7,596.77	7,596.77
		7360000N 1.9 SG			0.00
1	/77802077152	WRAP/PACKAGING	EA	269.23	269.23
11	/77802077153	339/11 FEET FRP LADDER	EA	219.92	2,419.12
1	/77802077154	347397 ATTACHMENT ASSEMBLY LADDR	EA	577.69	577.69

AN ENGINEERED DRAWING OF TANK
WITH LADDER WOULD HAVE TO BE
APPROVED, BEFORE PRODUCTION
ESTIMATED FREIGHT $650.00
FOB FACTORY

Package Sub-total: 10,862.81

Thank you for choosing Ryan Herco Flow Solutions. For questions please call us at (800) 848-1141.

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FEEDBACK

Let us know what you think about our Quotation email. feedback@rhfs.com

PROBLEM?

Please contact KEVIN WAGNER to report a problem with this quote or call us at (800) 848-1141.

Note: The following does not include Freight, Processing & Handling, Tax, or other applicable charges.

Qty	Product #	Description	UOM	Price	Extended
1	/77802077151	4100 GAL 102 X 130 TANK HDLPE	EA	7,596.77	7,596.77
		7360000N 1.9 SG			0.00
1	/77802077152	WRAP/PACKAGING	EA	269.23	269.23
11	/77802077153	339/11 FEET FRP LADDER	EA	219.92	2,419.12
1	/77802077154	347397 ATTACHMENT ASSEMBLY LADDR	EA	577.69	577.69

AN ENGINEERED DRAWING OF TANK
WITH LADDER WOULD HAVE TO BE
APPROVED, BEFORE PRODUCTION
ESTIMATED FREIGHT $650.00
FOB FACTORY

Package Sub-total: 10,862.81

Thank you for choosing Ryan Herco Flow Solutions. For questions please call us at (800) 848-1141.