

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

Meeting Date: March 14, 2017 Consent [X] Regular []
Public Hearing []

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 14 for the Water Treatment Plant 3 Wellfield Improvements Project with JLA Geosciences, Inc. in the amount of \$402,798.48.

Summary: On June 3, 2014, the Board of County Commissioners (BCC) approved the Water Utilities Department (WUD) Contract for Consulting/Professional Services with JLA Geosciences, Inc. (R2014-0822). CSA No. 14 will provide for hydrogeologic consulting and overall project management services related to the Water Treatment Plant 3 Wellfield Improvements Project. This CSA also provides for vibration monitoring in the amount of \$118,170. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance is 15% overall. The contract with JLA Geosciences, Inc. provides for SBE participation of 66% overall. This CSA includes 85.61% overall participation. The cumulative SBE participation, including this CSA is 79.28% overall. JLA Geosciences, Inc. is a Palm Beach County company. (WUD Project No. 16-042) District 5 (MJ)

Background and Justification: The Water Treatment Plant 3 Wellfield Improvements Project (WUD 16-042) was designed by JLA Geosciences and bids were opened on November 9, 2016. The contract is recommended for award to Florida Design Drilling Corporation in the amount of \$1,396,875. CSA No. 14 provides for hydrogeologic consulting and overall project management services related to the Water Treatment Plant 3 Wellfield Improvements Project.

Attachments:

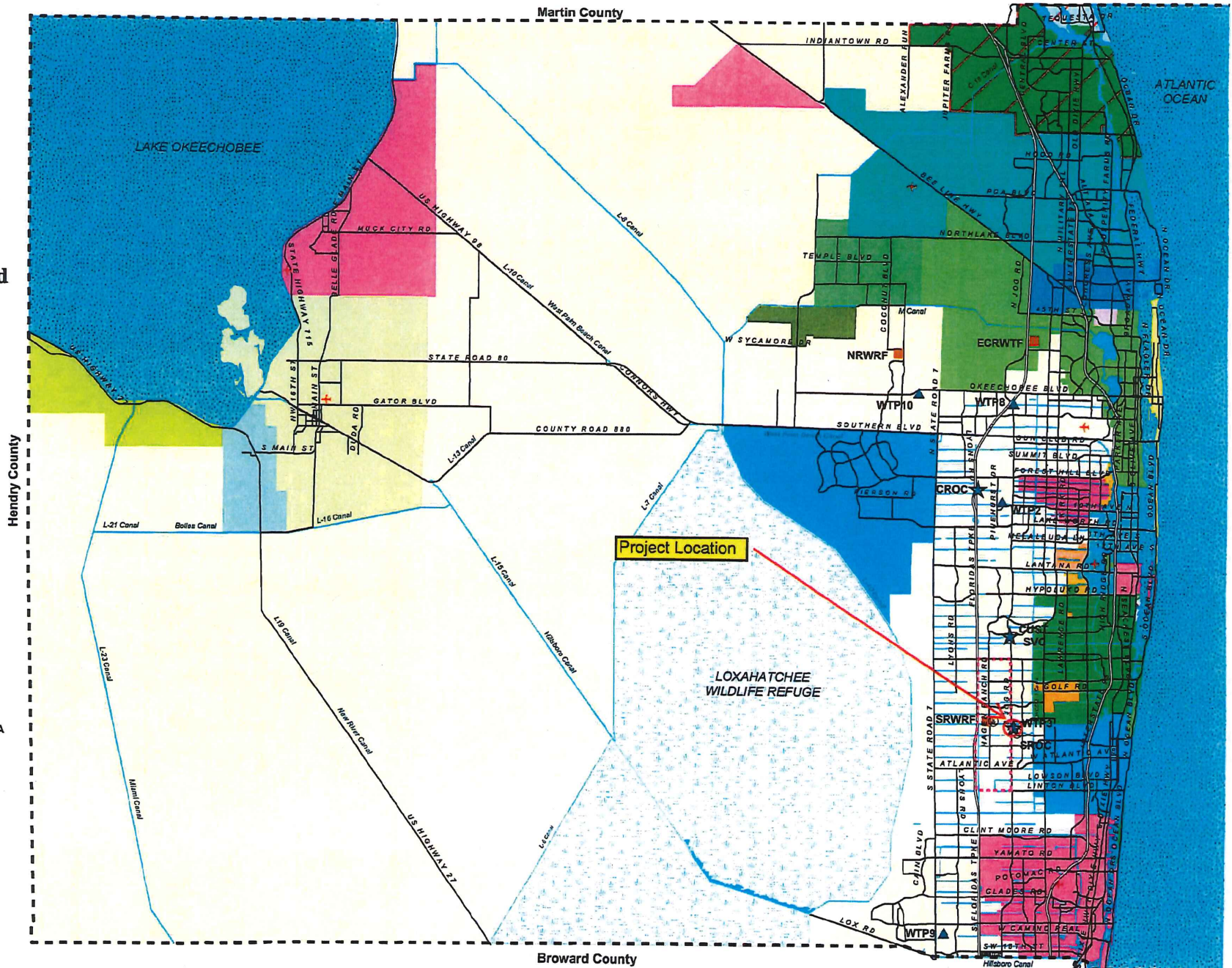
- 1. Location Map
- 2. Two (2) Original CSA No. 14

Recommended By: Jim Stiles 2-9-17
Department Director Date

Approved By: [Signature] 2-21-17
Deputy County Administrator Date



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



Legend

- P.B.C.W.U.D. SA
- MANDATORY RECLAIMED SA
- Palm Beach County Limits
- Administration
- Water Reclamation Facility
- Water Treatment Facility
- Wetlands



NOT TO SCALE

CONSULTANT SERVICES AUTHORIZATION NO. 14

Project Title: Water Treatment Plant No. 3 Wellfield Improvements Project

Project No. WUD: 16-042

Budget Line Item No. 4011-721-W004-6541

District No.: 5

THIS AUTHORIZATION NO. 14 to the Contract for Consulting/Professional Services dated June 3, 2014 (R2014-0822), by and between Palm Beach County and the Consultant identified herein, is for the Consultant Services described in Item 3 of this Authorization. The Contract provides for 66.00% SBE participation overall. This Consultant Services Authorization includes 85.61% overall participation. The cumulative SBE participation, including this Authorization is 79.28% overall. Additional authorization will be utilized to meet or exceed the stated overall participation goal.

1. CONSULTANT: JLA Geosciences, Inc.
2. ADDRESS: 1907 Commerce Lane, Suite 104, Jupiter, Florida 33458
3. Description of Services to be provided by the Consultant:
This Consultant Services Authorization encompasses providing services related to the construction phase for Water Treatment Plant No. 3 improvement project (WUD16-042).
See ATTACHMENT A.
4. Services completed by the Consultant to date (Summary and Status of Authorizations):
See ATTACHMENT E.
5. Consultant shall begin work promptly on the requested services.
6. The compensation to be paid to the Consultant for providing the requested services shall be:
 - A. Computation of time charges plus expenses, not to exceed \$ 402,798.48
 - B. Fixed price of \$ _____
7. This Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Consultant, the Consultant shall be compensated for all services performed through the date of termination, together with reimbursable expenses (if applicable) then due.

PROJECT TITLE: WTP NO. 3 WELLFIELD IMPROVEMENTS PROJECT

- 8. SBE participation is included in Attachment D under this Authorization. The attached Schedule 1 defines the SBE applied to this Authorization and Schedule 2 establishes the SBE contribution from each subconsultant (Letter of Intent to perform as an SBE).
- 9. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated June 3, 2014 remain in full force and effect.

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

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

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

Palm Beach County,
Board of County Commissioners

ATTEST:

Signed: _____

Signed: _____
Paulette Burdick, Mayor

DM
1/17/17

Typed Name: _____
Deputy Clerk

_____ Date


JCS

Approved as to Form and Legal
Sufficiency

Signed: _____

Typed Name: _____
County Attorney

CONSULTANT: JLA Geosciences, Inc.



(Signature)

Paul M. Stout, Vice President
(Name and Title)

1/17/17
Date

LIST OF ATTACHMENTS

PROJECT NO. WUD: 16-042 CONSULTANT SERVICES AUTHORIZATION NO. 14

PROJECT TITLE: WTP NO. 3 WELLFIELD IMPROVEMENTS PROJECT

ATTACHMENT - A	Scope of Work
ATTACHMENT - B	Budget Summary
ATTACHMENT - C	Project Schedule
ATTACHMENT - D	SBE Schedule 1, 2, 3a and 4
ATTACHMENT - E	Authorization Status Report - Summary and Status of Authorizations
ATTACHMENT - F	Authorization Status Report – Summary of SBE Tracking
ATTACHMENT - G	Location Map

ATTACHMENT A

CONSULTANT SERVICES AUTHORIZATION NO. 14

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT ENGINEERING/PROFESSIONAL SERVICES

SCOPE OF WORK FOR

WATER TREATMENT PLANT NO. 3 WELLFIELD IMPROVEMENTS PROJECT

INTRODUCTION

Palm Beach County (COUNTY) entered into an agreement entitled Contract for Engineering/ Professional Services - Palm Beach County Utilities Department Project No. WUD 14-001 (CONTRACT) with: JLA Geosciences, Inc. (CONSULTANT) to provide engineering services for various general activities on (Reference Document R2014-0822). This Consultant Service Authorization will be performed under that CONTRACT.

This Consultant Services Authorization encompasses providing services related to the construction phase for Water Treatment Plant No. 3 improvement project (WUD16-042).

BACKGROUND

Palm Beach County Water Utilities Department (PBCWUD) Project No. 16-042 includes the improvement and rehabilitation of eight (8) Surficial Aquifer production wells for PBCWUD Water Treatment Plant 3 located in Delray Beach, Florida. JLA Geosciences (JLA) will provide professional hydrogeologic services and overall project management during the construction phase of this project. It is assumed that additional vibration monitoring during construction activities will be included under a separate CSA.

This scope of work will also include mechanical and electrical consulting assistance from sub-consultants Kimley-Horn and Associates (KHA) and Hillers Electrical Engineering (HEE), including assistance with shop drawing review, field observation, record drawings, PLC programming for up to four wells (HEE), and signed and sealed exhibits for the acquisition of PBC traffic, ROW and/or PZ&B permits for up to 7 wells (KHA). The contract time established in the project specifications is 420 days to substantial completion, and 30 additional days for project close-out and final completion. The proposed budget is based on a 420-day construction schedule for the Contractor to substantially complete the wells. The estimate of labor hours is based on the attached summary (Attachment B).

SCOPE OF SERVICES

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

TASK 1.0 Construction Administration Services

- 1.1 Project management
- 1.2 Preconstruction meeting and Request for Information – The CONSULTANT and its sub-consultants shall prepare an agenda and attend one (1) preconstruction meeting and provide summarized preconstruction meeting minutes.

- 1.3 Progress meetings – The CONSULTANT shall prepare for and attend monthly progress meetings throughout the duration of the project (11 months) including summarized meeting minutes and agendas.
- 1.4 Contractor submittal review – The CONSULTANT/SUBCONSULTANT shall review contractor submitted shop drawings and submittals for hydrogeologic, electrical, instrumentation and all mechanical equipment with electrical and/or instrumentation interface and mechanical submittals (40 estimated).
- 1.5 Payment Application Review – The CONSULTANT shall review and provide recommendations for the acceptance of the contractor submitted payment applications (15 estimated).
- 1.6 Record Drawings – The CONSULTANT’S sub-consultant, Kimley-Horn and Associates, shall prepare, sign, and seal record drawings. Record drawings shall consist of an electronic copy in AutoCAD format and PDF format and two sets of hard copies (one full and one half size) delivered to PBCWUD upon completion of the project.
- 1.7 Daily Work Reports – The CONSULTANT shall prepare daily work reports and submit to the COUNTY on a weekly basis during well field construction activities.
- 1.8 PLC Programming – The SUBCONSULTANT (HEE) shall provide PLC programming including flow, level, pressure and speed control of VFD’s; Coordination of HMI screens and tags with PBCWUD SCADA group; Provide PLC program documentation and training as requested by Plant staff.
- 1.9 Permitting Assistance – The SUBCONSULTANT (KHA) shall provide the PBCWUD with electronic, signed and sealed exhibits needed to assist PBCWUD acquire PBC Traffic, ROW and/or PZ&B permits for wells 3W-12, 3W-21, 3W-23, 3W-25, 3W-26, 3W-27, and 3W-28.
- 1.10 The CONSULTANT shall coordinate with civil engineering SUBCONSULTANTS, provide communications with county, review and pay invoices for approved SUBCONSULTANTS services.

TASK 2.0 Construction Phase Services

- 2.1 The CONSULTANT will be present on site during critical phases of rehabilitation including: removal and replacement of well screen and gravel pack; completion interval drilling, review, and screen and gravel pack installation, pumping and water quality testing. JLA will observe well development; step drawdown testing, including performing water level measurements, specific capacity analysis and field water quality testing. This task will also include well construction field logs; water quality field data summaries; and copies of the geophysical logs provided by the Contractor. Digital photos will also be taken of significant activities during well construction. ODC costs: equipment charges including electronic water level indicator, chloride field kit, iron field kit, hydrogen sulfide field kit, conductivity meter, turbidity meter, pH meter, SDI field test unit and pump.

The CONSULTANT/SUBCONSULTANT shall also provide coordination and management of mechanical and electrical improvements, including field assistance during well start up, review pump test results and provide recommendations for permanent pump setting depth and recommended in-service pumping rate for one (1) well at WTP 3 receiving a new pump and motor.

- 2.3 Review geophysical logging, provide recommendation for screen slots sizes and gravel pack; and formation water discharge plan review.
- 2.4 The CONSULTANT shall coordinate with civil engineering SUB-CONSULTANTS, provide communications with county, review and pay invoices for approved SUB-CONSULTANTS services.

TASK 3.0 Well Construction and Testing Report

- 3.1 The CONSULTANT shall prepare a well completion report summarizing well construction details and methods including review well construction field logs and compile summary; complete analysis of all hydrologic and water quality field data; geophysical log analysis, digital photos of significant construction activities, summarize pumping test methods and results, and recommendations for well pumping rates and wellfield operations. One (1) electronic draft copy of the report shall be submitted to the COUNTY for review. Following incorporation of COUNTY comments, five (5) final hard copies shall be submitted to the COUNTY, including one (1) electronic PDF copy.

TASK 4.0 Vibration Monitoring during Construction Activities (15-month duration)

- 4.1 Perform vibration monitoring at each well site during construction activities. Monitoring will be performed from contractor mobilization to demobilization with the use of a vibration seismograph at up to 3 well sites simultaneously over an estimated 15 month project duration. Compliance with vibration standards shall remain the responsibility of the Contractor. Following Contractor demobilization, the CONSULTANT shall provide a signed and sealed report detailing vibration monitoring results for each well site. Vibration monitoring equipment shall remain the property of the CONSULTANT. ODC Cost provided for this task includes the rental fee for the monitoring equipment, plus monitoring and reporting services for the estimated 15-month project duration.

ASSUMPTIONS AND CLARIFICATIONS

- No permitting costs or laboratory water quality testing are included in the Scope of Work.
- No modifications to the South Florida Water Management District Water Use Permit are included in the Scope of Work.
- The purpose of the Consultant's visits to the site will be to enable the Consultant to better carry out the duties and responsibilities assigned in this CSA, and, in addition, by the exercise of the Consultant's efforts, to provide PBCWUD a greater degree of confidence that the completed Work will conform in general to the Contract Documents and that the integrity of the design concept of the completed Project as a functioning whole as indicated in the Contract Documents has been implemented and preserved by the Contractor. The Consultant shall not, during such visits or as a result of such observations of the Contractor's work in progress, supervise, direct, or have control over the Contractor's work, nor shall the Consultant have authority over or responsibility for the means, methods, techniques, equipment choice and usage, sequences, schedules, or procedures of construction selected by the Contractor, for safety precautions and programs incident to the Contractor's work, nor for any failure of the Contractor to comply with laws and regulations applicable to the Contractor's furnishing and performing the Work. Accordingly, the Consultant neither guarantees the performance of

any Contractor nor assumes responsibility for any Contractor's failure to furnish and perform its work in accordance with the Contract Documents.

- Consultant shall not be responsible for the acts or omissions of any Contractor, or of any of their subcontractors, suppliers, or of any other individual or entity performing or furnishing the Work.

DELIVERABLES

- Project meeting agendas, minutes, payment application reviews, and daily work reports shall be delivered in electronic format compatible with MS Office 2016 and Adobe Acrobat in accordance with the project schedule.
- Record drawings shall consist of an electronic copy in AutoCAD format and PDF format and two sets of hard copies (one full and one half size) delivered to PBCWUD upon completion of the project.
- One (1) electronic draft copy of the well completion report shall be submitted to the COUNTY for review. Following incorporation of COUNTY comments, five (5) final hard copies shall be submitted to the COUNTY, including one electronic PDF copy.

COMPENSATION

The County shall pay CONSULTANT on time charges for providing the services described in this scope of work not to exceed \$402,798.48 in accordance with Attachment B. Such fee shall be invoiced and paid for under the terms of the CONTRACT by a Time and Expense Not to Exceed Method of Payment.

SBE PARTICIPATION

1. SCHEDULE 3(A) – Professional Services Activity Report

This form shall be submitted by the prime contractor with each payment application when SBE and/or M/WBE sub-consultants are utilized in the performance of the contract. This form shall contain the names of all SBE and M/WBE sub-consultants, specify the sub-consultants dollar amount for each sub-consultants and show amount drawn and payments to date issued to sub-consultants.

2. SCHEDULE 4 – SBE-M/WBE Payment Certification

A schedule 4 for each SBE and/or M/WBE sub-consultant shall be completed and signed by the proposed SBE and/or M/WBE after receipt of payment from the prime. When applicable, the prime shall submit this form with each application submitted to the county for payment to document payment issued to a sub-consultant in the performance of the contract.

SBE participation is included in the **ATTACHMENT F** under this authorization. The attached Schedule 1 defines the SBE applied to this CSA/Contract and Schedule 2 establishes the SBE contribution from each subcontractor (Letter of Intend to perform as an SBE).

ATTACHMENT - B

BUDGET SUMMARY

Task Number	Task Description	Labor Classification and Hourly Rate											Mileage (\$0.56/mi)	ODC	Sub-Consultant Services	TASK TOTAL	
		Prin. Hydro	Prof. Geol	Senior Hydro II	Senior Hydro I	Geol./Hydro II	Geol./Hydro I	Geol. Tech	Admin	Total Labor							
1.0	WTP 3 Construction Administration Services																
1.1	Project Management	10	30	45		24			14								
1.2	Preconstruction meeting (1 estimated), including meeting minutes, agenda.	4	4						8								
1.3	Prepare and attend monthly progress meetings		30			15											
1.4	Contractor submittal review (40 estimated)		12	40													
1.5	Payment Application Review (15 estimated)		15	30													
1.6	Record Drawings		8														
1.7	Daily Work Report, Project Summary updates		20			60											
1.8	PLC Programming (HEE)																
1.9	Permitting Assistance																
1.10	Sub-consultant coordination and communication	8		20													
	Sub-contractor - Krmley Horn and Associates																\$ 57,983.00
	Sub-contractor - Hillers Electrical Engineering																\$ 11,089.68
	Subtotal Task 1	22	117	135	0	99	0	0	20	393	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 119,557.68
2.0	WTP 3 Construction Phase Services																
2.1	3W-11 Removal and replacement of screen and gravel oversight, development, testing; misc. mechanical and electrical improvements	4	26			120					\$ 593.85	\$ 215.00					
	3W-12 Removal and replacement of screen and gravel oversight, development, testing; misc. mechanical and electrical improvements	4	26			120					\$ 593.85	\$ 215.00					
	3W-21 Removal and replacement of screen and gravel oversight, development, testing; misc. mechanical and electrical improvements	4	26			120					\$ 593.85	\$ 215.00					
	3W-23 Removal and replacement of screen and gravel oversight, development, testing; misc. mechanical and electrical improvements	4	26			120					\$ 593.85	\$ 215.00					
	3W-25 Removal and replacement of screen and gravel oversight, development, testing; misc. mechanical and electrical improvements	4	26			120					\$ 593.85	\$ 215.00					
	3W-26 Removal and replacement of screen and gravel oversight, development, testing; misc. mechanical and electrical improvements	4	26			120					\$ 593.85	\$ 215.00					
	3W-27 Removal and replacement of screen and gravel oversight, development, testing; misc. mechanical and electrical improvements	4	26			120					\$ 593.85	\$ 215.00					
	3W-28 Removal and replacement of screen and gravel oversight, development, testing; misc. mechanical and electrical improvements	4	26			120					\$ 593.85	\$ 215.00					
2.3	Review geophysical logs; prepare screen and gravel recommendations; formation water discharge plan review	8	48			32											
	Subtotal Task 2	40	256	0	0	992	0	0	0	1288	\$ 4,750.80	\$ 1,720.00	\$ -	\$ -	\$ -	\$ -	\$ 150,870.80
3.0	Well Construction and Testing Report																
3.1	Prepare Summary Report, including Lithologic Log Prep, Data, data analysis, figures, summaries and recommendations	12	20	20		60			12								
	Subtotal Task 3	12	20	20	0	60	0	0	12	0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,400.00
4.0	Vibration Monitoring during Construction Activities (15-month duration)																
4.1	Vibration Monitoring and reporting																
	*ODC: Rental charge for JLA vibration monitoring equipment (15-month duration)	98				195					\$ 82,500.00						
	Subtotal Task 4	98	0	0	0	195	0	0	0	0	\$ 82,500.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 118,170.00
	Labor Subtotal Hours	172	393	155	0	1346	0	0	32								
	Labor Hourly Billing Rates	\$ 165.00	\$ 150.00	\$ 135.00	\$ 120.00	\$ 100.00	\$ 80.00	\$ 60.00	\$ 60.00								
	Labor Raw Costs	\$ 59.53	\$ 53.57	\$ 48.21	\$ 42.86	\$ 35.71	\$ 28.57	\$ 21.43	\$ 21.43								
	Labor Multiplier	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8								
	Labor SubTotal	\$ 28,380.00	\$ 58,950.00	\$ 20,925.00	\$ -	\$ 134,600.00	\$ -	\$ -	\$ 1,920.00								
	Labor Total																\$244,775.00
	Mileage/ODC																\$88,970.80
	Subconsultant Total																\$69,052.68
	Project Total																\$402,798.48

ATTACHMENT - C

PROJECT SCHEDULE

The completion dates for this work will be as follows (starting from CONSULTANT'S receipt of Notice-to-Proceed).

Engineering Services

Completion Date from Notice to Proceed

Hydrogeologic services for
substantial construction phase services
(Based on contractor substantial completion)

450 days

ATTACHMENT D

SCHEDULE #1

LIST OF PROPOSED SBE-M/WBE CONSULTANT/SUBCONSULTANTS

PROJECT NAME: Water Treatment Plant No. 3 Wellfield Improvements Project PROJECT NUMBER: 16-042

NAME OF PRIME BIDDER: JLA Geosciences, Inc ADDRESS: 1907 Commerce Lane, Suite 104, Jupiter Florida 33458

CONTACT PERSON: James L. Andersen, P.G. PHONE NO. 561 746-0228 FAX NO. 561 746-0119

DESCRIPTION OF SERVICES _____

**PLEASE LIST THE DOLLAR AMOUNT AND PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME ON THIS PROJECT.
PLEASE ALSO LIST THE DOLLAR AMOUNT AND PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUB-CONSULTANTS ON THIS PROJECT.
IDENTIFY ALL APPLICABLE CATEGORIES OF CONSULTANT/SUBCONSULTANTS**

Name, Address and Telephone	(Check one or both Categories)		Consultant/Sub-consultant Dollar Amount and Percentage of Services				
	Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
JLA Geosciences, Inc 1907 Commerce Ln, Ste 104, Jupiter FL 33458 (561) 746-0228	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$	\$	\$	\$ 333,745.80	\$
Hillers Electrical Engineering 23257 State Road 7, Suite 100 Boca Raton, FL 33428	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$	\$ 11,089.68	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
TOTAL			\$	\$ -	\$ 11,089.68	\$ -	\$ 333,745.80

Total SBE-M/WBE Participation: \$344,835.48

NOTE: 1. The percentages listed on this form must be supported by the sub-consultant included on Schedule 2 in order to be counted toward goal attainment.

NOTE: 1. The percentages listed on this form must be supported by the sub-consultant included on Schedule 2 in order to be counted toward goal attainment.

2. Firms may be certified by Palm Beach County as an SBE and/or M/WBE

**OSBA SCHEDULE 2
LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE CONSULTANT/SUBCONSULTANT**

This document must be completed by ALL SBE-M/WBE's and submitted with this CSA. Specify in detail, the particular consulting services to be performed and the dollar amount and/or percentage for each services. SBE credit will only be given for services which the SBE-M/WBE's is certified to perform. Failure to properly complete Schedule 2 will result in your SBE participation not being counted.

PROJECT NUMBER: 16-042 PROJECT NAME: Water Treatment Plant No. 3 Wellfield Improvements Project
TO: JLA Geosciences, Inc.
(Name of Prime Consultant)

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

Small Business Enterprise Minority Business Enterprise _____
Black _____ Hispanic _____ Women _____ Caucasian Other (Please Specify) _____

Date of Palm Beach County Certification: April 4, 2014

The undersigned is prepared to perform the following described consulting services in connection with the above project and will enter into a formal agreement for work with you, conditioned upon execution of a contract with Palm Beach County.

Additional Sheets May Be Used As Necessary

(Specify in detail the particular consulting services thereof to be performed)

This Consultant Services Authorization encompasses providing services related to the construction phase for Water Treatment Plant No. 3 improvement project (WUD16-042).

Total SBE-M/WBE Participation 85.61%

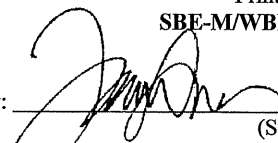
If undersigned intends to sub-subcontract any portion of this job to a certified SBE-M/WBE or a non-SBE sub-consultant, please list the name of that sub-consultant and the amount below.

Price or Percentage _____
(Name of Sub-consultant)

The Prime Consultant affirms that it will monitor the SBE-M/WBE listed to ensure the SBE-M/WBE perform the services with their own work force. The undersigned SBE-M/WBE Prime or SBE-M/WBE sub-consultant affirms that it has the resources necessary to perform the work listed without subcontracting to a non-certified SBE or any other certified SBE sub-consultants except as noted above.

The undersigned sub-consultant understands that the provision of this form to the Prime Consultant does not prevent sub-consultant from providing quotations to other.

JLA Geosciences, Inc.
Print name of
SBE-M/WBE Sub-consultant

By: 
(Signature)

James L. Andersen
Print name/title of person executing on behalf
of SBE-M/WBE

Date: 1/17/2017

**OSBA Schedule 3(A)
PROFESSIONAL SERVICES ACTIVITY REPORT**

Project No.: _____
Task Authorization No: _____

REPORTING PERIOD: _____

Prime Consultant Address: _____
City/State: _____ Zip _____
Contact Person: _____ Phone # _____
Contract Name: _____
Contract Term: _____ Contract Amount\$ _____
Total Percentage performed by the Prime's Firm: _____ SBE-M/WBE Firm: _____
Service Type: Architectural _____ Engineering _____ Surveying _____
Other (Specify) _____
Have Sub-Consultants completed work with its own workforce for this application?
Yes _____ No _____

Note: If yes, complete below:

SUB-CONSULTANTS

1. Firms Name: _____
Address/Tel: _____
Estimated Start Date: _____ Contract Amount: _____
SCOPE OF WORK: _____
Percentage/Hrs Completed: _____ Amount Paid To Date _____

2. Firm's Name: _____
Address//Tel: _____
Estimated Start Date: _____ Contract Amount: _____
SCOPE OF WORK: _____
Percentage/Hrs Completed: _____ Amount Paid To Date _____

3. Firm's Name: _____
Address/Tel: _____
Estimated Start Date: _____ Contract Amount _____
SCOPE OF WORK: _____
Percentage/Hrs Completed: _____ Amount Paid To Date _____

I certify that the above is true to the best of my knowledge

Signature/Title

OSBA SCHEDULE 4 - SBE-M/WBE PAYMENT CERTIFICATION

The Prime Contractor is to submit Schedule 4 with its Monthly Payment Request to Palm Beach County to reflect actual payments made to the SBE-M/WBE Subcontractor. The Prime Contractor is not to request signature from an SBE-M/WBE Subcontractor unless it has made a payment to the SBE-M/WBE Subcontractor. The SBE-M/WBE Subcontractor is not to complete and sign this form unless it has received a payment from the Prime Contractor for services actually performed by the SBE-M/WBE Subcontractor. A separate Schedule 4 is required for each SBE-M/WBE Subcontractor payment.

This is to certify that _____ received
(SBE or M/WBE Subcontractor Name)

(Monthly) or (Final) payment of \$ _____ . _____

On _____ - _____ - _____ from _____
MM DD YYYY (Prime Contractor Name)

For labor and/or materials used on _____ / _____
(Project Name) (Work Order)

DEPT.: _____ PROJECT NO.: _____

PRIME CONTRACTOR VENDOR CODE: _____

SBE OR M/WBE SUBCONTRACTOR VENDOR CODE: _____

=====
If the SBE Subcontractor intends to disburse any funds associated with this payment to any Subcontractor for labor provided on this project, please provide the following information:

*Subcontractor Name: _____ Amount to be paid: _____

*Note: IF the subcontractor listed in this section is an SBE or M/WBE a separate schedule 4 is required to verify payment.

=====
By: _____
(Signature of Subcontractor) (Print Name & Title of Person executing on behalf of Subcontractor)

STATE OF FLORIDA
COUNTY OF _____

Sworn to and subscribed before me this _____ day of _____, 20_____

By: _____

Notary Public, State of Florida

Print, Type or Stamp Commissioned Name of Notary

Personally Known _____ OR Produced Identification _____ Type of Identification _____

Rev

ATTACHMENT - E

AUTHORIZATION STATUS REPORT

SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

Auth. No.	Description	Status	Project			Approved	Date	WUD No.	Consultant's
			Total Amount	SBE Total Amount	SBE Participation %	By	Approved	Assigned	Project No.
1	Miscellaneous Hydrogeology & Water Resources Services	Approved	\$39,980.00	\$39,980.00	100.00%	PBCWUD	7/18/2014	14-076	14-020
2	Lake Region Wellfield Water Quality Evaluation	Approved	\$24,810.00	\$24,810.00	100.00%	PBCWUD	7/18/2014	14-077	14-021
3	WTP 3 & 9 Well Replacement and Rehabilitation	Approved	\$219,061.00	\$210,061.00	95.89%	BCC	3/10/2015	13-080	15-003
4	WTP 11 Floridan Aquifer Production Well PW-11, Preliminary Well Design	Approved	\$36,171.00	\$25,171.00	69.59%	PBCWUD	12/15/2014	11-101	14-042
5	WTP 11 Acid Treatment and Rehabilitation of Wells PW-1 to PW-7	Approved	\$45,722.00	\$45,722.00	100.00%	PBCWUD	1/26/2015	15-019	15-004
6	Hydrogeologic Consulting Services to Assist in the Rehab of the Deep Injection Well at WRWWTP	Approved	\$46,240.00	\$46,240.00	100.00%	PBCWUD	4/13/2015	13-081	15-005
7	System-Wide Wellfield Improvements	Approved	\$181,420.00	\$119,720.00	65.99%	PBCWUD	7/20/2015	15-035	15-015
7.1	Supplement No. 1 to System-Wide Wellfield Improvements	Approved	\$34,697.41	\$15,438.21	44.49%	PBCWUD	10/21/2015	15-035	15-015
8	Surficial Aquifer Wellfield Testing Program WTP 3 & 9	Approved	\$94,087.68	\$51,669.88	54.92%	CRC	11/25/2015	16-001	16-007
7.2	Sub-contractor - Kimley Horn and Associates	Approved	\$34,625.40	\$22,658.40	65.44%	PBCWUD	2/16/2016	15-035	15-015
8.1	Supplement No. 1 to Surficial Aquifer Wellfield Testing Program WTP 3 & 9	Approved	\$34,443.24	\$6,643.24	19.29%	PBCWUD	5/19/2016	16-001	16-007
9	Water Treatment Plant Nos. 3 and 9 Wellfield Improvements Project	Approved	\$297,727.70	\$250,294.70	84.07%	BCC	9/13/2016	15-035	16-019
10	Miscellaneous Hydrogeology & Water Resources Services	Approved	\$40,000.00	\$40,000.00	100.00%	PBCWUD	9/7/2016	14-076	16-020
11	Water Treatment Plant No. 8 Wellfield testing and evaluation	Approved	\$96,746.06	\$38,411.96	39.70%	CRC	9/14/2016	16-018	16-021
12	9W-3R Well Investigation and Construction Oversight	Approved	\$24,680.64	\$23,080.64	93.52%	PBCWUD	9/30/2016	16-084	16-022
13	Environmental Site Assessment Report for Water Treatment Plants 2, 3, and 9	Approved	\$41,326.64	\$38,726.64	93.71%	PBCWUD	10/31/2016	16-085	16-028
14	Water Treatment Plant No. 3 Wellfield Improvements Project	Pending	\$402,798.48	\$344,835.48	85.61%	BCC		16-042	TBD
	Total		\$1,694,537.25	\$1,343,463.15					

ATTACHMENT - F

AUTHORIZATION STATUS REPORT

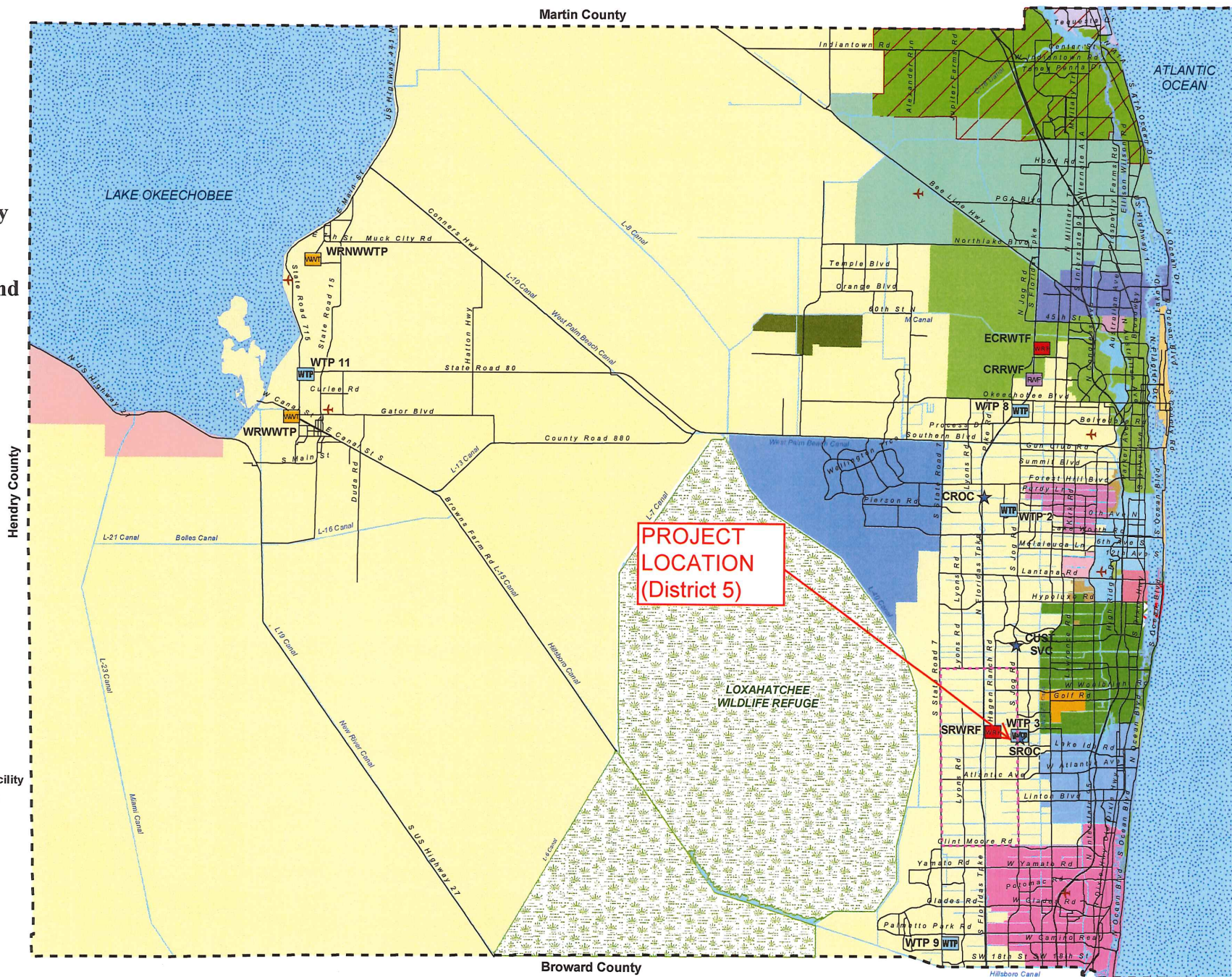
SUMMARY OF SBE / MINORITY BUSINESS TRACKING

	Total	SBE
Current Proposal		
Value of Authorization No. 14	\$402,798.48	\$402,798.48
Value of SBE Letters of Intent	\$344,835.48	\$344,835.48
Actual Percentage	85.61%	85.61%
Signed/Approved Authorizations		
Total Value of Authorizations	\$1,291,738.77	\$1,291,738.77
Total Value of SBE Signed Subcontracts	\$998,627.67	\$998,627.67
Actual Percentage	77.30%	77.30%
Signed/Approved Authorizations Plus Current Proposal		
Total Value of Authorizations	\$1,694,537.25	\$1,694,537.25
Total Value of Subcontracts & Letters of Intent	\$1,343,463.15	\$1,343,463.15
Actual Percentage	79.28%	79.28%
GOAL	66.00%	66.00%

ATTACHMENT G



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



- Legend**
- ★ Administration
 - WTP Water Treatment Plant
 - WRRF Wastewater Reclamation Facility
 - WWT Wastewater Treatment Plant
 - Mandatory Reclaimed SA
 - - - Palm Beach County Limits
 - Yellow P.B.C.W.U.D. Service Area



Kimley»»Horn

January 12, 2017

Mr. Jim Andersen, P.G.
JLA Geosciences, Inc.
1907 Commerce Lane, Suite 104
Jupiter, FL 33458

**RE: Work Authorization #14
Palm Beach County Water Utilities Department
Water Treatment Plant No. 3 Wellfield Improvements Project
Construction Phase Services WUD 16-042**

Dear Mr. Andersen:

We are pleased to provide this proposal for professional services for construction phase of Palm Beach County WUD 16-042. As part of Palm Beach County's Water Treatment Plant No. 3 Wellfield Improvements Project, The Consultant will perform the following:

SCOPE OF SERVICES

CONSULTANT (Kimley-Horn and Associates) shall perform the engineering Scope of Services as described herein.

Task 1 – Construction Phase Services

Consultant will assist JLA who shall provide the PBCWUD with electronic, signed and sealed exhibits needed to assist PBCWUD acquire PBC Traffic, ROW and/or PZ&B permits for wells 3W-12, 3W-21, 3W-23, 3W-25, 3W-26, 3W-27, and 3W-28.

Consultant will attend up to one (1) preconstruction meeting with PBCWUD and the selected Contractor. Consultant will attend up to fourteen (14) monthly progress meeting with PBCWUD and the Contractor during the anticipated construction process. Consultant will provide bullet meeting minute items to be formalized by JLA.

Consultant will review and approve or take other appropriate action in respect to Shop Drawings and Samples and other data which the Contractor is required to submit, but only for conformance with the information given in the Contract Documents. Such review and approvals or other action will not extent to means, methods, techniques, equipment choice and usage, sequences, schedules, or procedures of construction or to related safety precautions and programs.

Consultant will provide field assistance during well start up, review pump test results and provide recommendations for permanent pump setting depth and recommended in-service pumping rate for one (1) well at WTP 3 receiving a new pump and motor.

Consultant will make onsite visits for each of the eight (8) existing wells at PBCWUD WTP 3 to receive mechanical improvements under WUD 16-042 to observe the performance of the

kimley-horn.com

1920 Wekiva Way Suite 200 West Palm Beach, FL 33411

561-845-0665

Contractor. This scope of services anticipates the Consultant visit the each well site up to five (5) times (up to 14 hours per well) within the 60 week construction duration.

Visits and observations by the Consultant are not intended to be exhaustive or to extend to every aspect of the Contractor's work in progress. Observations are to be limited to spot checking, selective measurement, and similar methods of general observation of the Work based on the Consultant's exercise of professional judgment. Based on information obtained during such visits and such observations, the Consultant will determine if the Contractor's work is generally proceeding in accordance with the Contract Documents, and the Consultant shall keep the PBCWUD and JLA informed of the general progress of the Work.

The purpose of the Consultant's visits to the site will be to enable the Consultant to better carry out the duties and responsibilities assigned in this Agreement to the Consultant during the construction phase by PBCWUD and JLA, and, in addition, by the exercise of the Consultant's efforts, to provide PBCWUD a greater degree of confidence that the completed Work will conform in general to the Contract Documents and that the integrity of the design concept of the completed Project as a functioning whole as indicated in the Contract Documents has been implemented and preserved by the Contractor. The Consultant shall not, during such visits or as a result of such observations of the Contractor's work in progress, supervise, direct, or have control over the Contractor's work, nor shall the Consultant have authority over or responsibility for the means, methods, techniques, equipment choice and usage, sequences, schedules, or procedures of construction selected by the Contractor, for safety precautions and programs incident to the Contractor's work, nor for any failure of the Contractor to comply with laws and regulations applicable to the Contractor's furnishing and performing the Work. Accordingly, the Consultant neither guarantees the performance of any Contractor nor assumes responsibility for any Contractor's failure to furnish and perform its work in accordance with the Contract Documents.

Consultant shall recommend to PBCWUD that the Contractor's work be disapproved and rejected while it is in progress if, on the basis of such observations, the Consultant believes that such work will not produce a completed Project that conforms generally to the Contract Documents or that it will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated in the Contract Documents. The Consultant shall not have the authority or responsibility to stop the work of any Contractor.

Consultant will respond to reasonable and appropriate Contractor requests for information and issue necessary clarifications and interpretations of the Contract Documents to the City as appropriate to the orderly completion of the Contractor's work. Any orders authorizing variations from the Contract Documents will be made by City.

Consultant may recommend Change Orders to PBCWUD, and will review and make recommendations related to Change Orders submitted or proposed by the Contractor.

Consultant shall receive and review test data provided by the Contractor associated with the Palm Beach County Health Department clearance process as well as approvals required in the Contract Documents. Consultant's review of such data will be for the purpose of determining that the results certified indicate compliance with the Contract Documents and will not constitute an independent evaluation that the content or procedures of such inspections, tests, or approvals comply with the

requirements of the Contract Documents. All testing shall be coordinated and provided under a separate contract between the City or the Contractor and an appropriate testing firm(s) of their choice. Consultant shall be entitled to rely on the results of such tests and the facts being certified.

Promptly after notice from the Contractor that the Contractor considers the entire Project ready for its intended use, in company with PBCWUD and the Contractor, the Consultant shall conduct a site visit to determine if the Work is substantially complete. Work will be considered substantially complete following satisfactory completion of all items with the exception of those identified on a final punch list. If after considering any objections of PBCWUD, the Consultant considers the Work substantially complete, the Consultant shall notify PBCWUD and the Contractor.

Consultant shall conduct a final site visit to determine if the completed Work of the Contractor is generally in accordance with the Contract Documents and the final punch list so that the Consultant may recommend, in writing, final payment to the Contractor. Accompanying the recommendation for final payment, the Consultant shall also provide a notice that the Work is generally in accordance with the Contract Documents to the best of the Consultant's knowledge, information, and belief and based on the extent of the services provided by the Consultant under this Work Authorization and based upon information provided to the Consultant upon which it is entitled to rely.

Consultant shall not be responsible for the acts or omissions of any Contractor, or of any of their subcontractors, suppliers, or of any other individual or entity performing or furnishing the Work.

Consultant will prepare project record drawings using information provided by the Contractor. An electronic copy in AutoCAD format and PDF format, and two sets of prints will be delivered to PBCWUD upon completion of the project.

Task 2 – Additional Well Start-up Assistance (Optional)

Consultant will provide field assistance during well start up, review pump test results and provide recommendations for permanent pump setting depth and recommended in-service pumping rate for up to three (3) wells at WTP 3 receiving a new, owner furnished pumps and motors.

PROJECT SCHEDULE

Construction Phase Services in Tasks 1 and 2 will be generally commensurate with PBCWUD and the selected contractor's schedule.

ITEMS NOT INCLUDED

1. Additional construction observations beyond what is described above.
2. Review and recommendation of pay applications.
3. Additional field assistance during well start up, review of pump test results, and recommendations for permanent pump setting depth and recommended in-service pumping rate for any additional wells at WTP 3 that receive a new pumps and motors.
4. Preparation and submittal of PBC Traffic, ROW and/or PZ&B permit applications

Compensation

The services included in this proposal are intended to be lump sum basis with each of the following tasks with a total value of \$57,963.

Task No.	Task	Task Fee
1	Construction Phase Services	\$53,443
2	Additional Well Start-up Assistance (<i>optional</i>)	\$4,520
	Total Lump Sum Fee =	\$57,963

Sincerely,



Mark D. Miller, P.E.
Vice President



Gary Ratay, P.E.
Senior Associate

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ATTACHMENT - B

BUDGET SUMMARY

Labor Classification and Hourly Rate										
Task	Number	Task Description	Principal	Senior	Project		Analyst/			Sub
				Pr. Engineer	Engineer	Designer	Intern Engineer	Snr Support Staff	Total	Consultant
									Labor	Services
1		Construction Phase Services								
		Meetings (17)		40	52	26		26	\$21,054	
		Shop Drawings		10	30	20	6		\$9,478	
		Construction Observation (8 wells)		4	16	20	72	2	\$12,816	
		Well Start-up Assistance (1 well)		1	8		1		\$1,507	
		Project Record Drawings		6	30	10		4	\$7,199	
		Permitting		3		6		1	\$1,390	
		Additional Well Start-up Assistance (up to 3 wells) <i>(optional)</i>		3	24		3		\$4,520	
		Subtotal Task 1	0	67	160	82	82	33	\$57,963	\$0
		Labor Subtotal Hours	0	67	160	82	82	33		424
		Labor Raw Costs	\$74.00	\$69.20	\$50.00	\$38.46	\$33.00	\$25.00		
		Labor Multiplier	3.0	3.0	3.0	3.0	3.0	3.0		
		Labor SubTotal	222.00	207.60	150.00	115.38	99.00	75.00		
		Labor Total	\$0.00	\$13,909.20	\$24,000.00	\$9,461.16	\$8,118.00	\$2,475.00	57,963	
									57,963	
		Subconsultant Labor Total	\$ -							\$0
		Subconsultant Multiplier								1
		Subcontract Total	\$ -							\$0
		Project Total								\$57,963

H E E

HILLERS ELECTRICAL ENGINEERING, INC.

December 2, 2016

Jim Andersen, P.G.
JLA Geosciences, Inc.
1907 Commerce Lane, Suite 104
Jupiter, FL 33458

Subject: Water Treatment Plant 3 Wellfield Improvements Project Construction
Services – WUD 16-042

Dear Jim:

Hillers Electrical Engineering, Inc. (HEE) is pleased to provide JLA Geosciences, Inc. (JLA) a proposal for the construction services and programming services associated with the above referenced project. The scope of services is as follows:

CONSTRUCTION SERVICES:

- Coordination with FPL
- Coordination with County staff
- Attend pre-construction meeting
- Review all shop drawings including electrical, instrumentation and all mechanical equipment with electrical and/or instrumentation interface.
- Make minor plan modifications where required
- Perform routine site inspections
- Attend monthly construction meetings when requested
- Substantial and final punch list preparation
- Provide PDF and CAD "As-Built" drawings

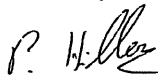
PLC PROGRAMMING:

- Provide PLC programming for four (4) wells including flow, level, pressure and speed control of VFD's.
- Coordination of HMI screens and tags with PBCWUD SCADA group.
- Provide PLC program documentation and training as requested by Plant staff.

Our proposed construction services and programming fee is \$ 11,089.68.

If you have any questions, please do not hesitate to call me.

Sincerely,



Paul Hillers

ATTACHMENT - B

BUDGET SUMMARY								
WTP 3 Construction Services WUD16-042								
Labor Classification and Hourly Rate								
Task		Project Manager	Project Engineer	Engineer	Construction Coordinator	Secretarial	Total Labor	Sub Consultant Services
Number	Task Description							
1	Construction Services	6	19		16		\$6,055.70	
2	Programming	4	27				\$5,033.98	
3							\$0.00	
3							\$0.00	
	Subtotal Task 1	10	46	0	16	0	\$11,089.68	
							0	
							0	
							0	
	Labor Subtotal Hours	10	46	0	16	0	72	
	Labor Raw Costs	\$74	\$54	\$40	\$40	\$22		
	Labor Multiplier	2.87	2.87	2.87	2.87	2.87		
	Labor SubTotal	\$ -	\$ -	\$ -	\$ -	\$ -		
	Labor Total	\$ 2,123.80	\$ 7,129.08	\$ -	\$ 1,836.80	\$ -	\$ 11,089.68	
	Subconsultant Labor (ACI)							\$0.00
	Subcontract Total							\$0.00
	Project Total						\$ 11,089.68	

Diana Rivera

From: Rani K. Smith <rsmith@jlageosciences.com>
Sent: Wednesday, December 21, 2016 9:38 AM
To: Diana Rivera
Subject: RE: WUD 16-042 - Bid Review and CMS CSA

Sorry for the delay. Is this breakdown sufficient? If you need additional detail, please let me know.

	units per month	Fee per month	15 months
Vibration Monitoring Equipment including monthly cloud services	Rental fee	\$ 5,500.00	\$ 82,500.00
Principal Hydrogeologist (\$165/hr)	6.5 hours	\$ 1,072.50	\$ 16,087.50
Hydrogeologist II (\$100/hr)	13 hours	\$ 1,300.00	\$ 19,500.00
		\$ 7,872.50	\$ 118,087.50

Thanks,

Rani K. Smith
JLA Geosciences, Inc.
1907 Commerce Lane, Suite 104
Jupiter, Florida 33458
(561) 746-0228 ext. 103 (work)
(561) 746-0119 (fax)
(772) 214-9497 (cell)

From: Diana Rivera [mailto:drivera@pbcwater.com]
Sent: Wednesday, December 21, 2016 8:56 AM
To: Rani K. Smith <rsmith@jlageosciences.com>
Subject: RE: WUD 16-042 - Bid Review and CMS CSA

Hi Rani,
Would you be able to assist with this request?

Thanks.
Diana

From: Diana Rivera
Sent: Friday, December 16, 2016 12:00 PM
To: 'Rani K. Smith' <rsmith@jlageosciences.com>
Cc: 'Jim Andersen' <jandersen@jlageosciences.com>; Steve McGrew <smcgrew@pbcwater.com>
Subject: RE: WUD 16-042 - Bid Review and CMS CSA

Rani,
Would you be able to provide additional detailed information on the ODC listed under Vibration monitoring? I'm assuming this includes the vibration equipment purchases. Please also provide a breakdown of the associated hours with vibration monitoring equipment setup, breakdown, data upload, interpretation and report generation, etc. I see in Task 2.4 that up to 3 well sites will be monitored simultaneously over the 15-month project duration.