Agenda Item #3K-1

PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS AGENDA ITEM SUMMARY

Meeting Date:

February 7, 2012

Consent [X]

Regular []

Public Hearing []

Submitted By: Submitted For:

Water Utilities Department Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 6 to MWH Americas, Inc. for Replacement and Rehabilitation of Five (5) Production Wells at Water Treatment Plant No. 8 in the amount of \$166,443.60.

Summary: On May 3, 2011, the Palm Beach County Board of County Commissioners approved the continuing Contract for Utility Hydrogeologic & Water Resources Engineering Services with MWH Americas, Inc. (R2011-0632) to obtain engineering/professional services for utility related projects. This CSA will provide for engineering and hydrogeological services to design and permit replacement of two (2) wells and rehabilitation of three (3) wells at Water Treatment Plant No. 8. Over one-third of the Department's 89 wells have been in service 30 years or longer and they are approaching their useful lifespan. This is the first phase of a multiyear asset management plan to replace or rehabilitate five (5) wells per year with upgraded corrosion resistant materials which will substantially increase their lifespan. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance (R2002-0064) is 15% overall. The contract with MWH Americas, Inc. provides for SBE participation of 26% overall. This authorization includes 17.06% overall participation. The cumulative SBE participation, including this CSA is 7.68% overall. MWH Americas, Inc. is a Palm Beach County company. (WUD Project No. WUD 12-008) District 2 (JM)

Background and Justification: As part of the Water Utilities Department's Asset Management Program and to maintain wellfield capacity two (2) wells will be re-drilled adjacent to the existing wells which will be abandoned. Three (3) wells will be rehabilitated with corrosion resistant materials. All five (5) wells will have upgraded surface piping and instrumentation.

Attachments:

1. Location Map

2. Two (2) Original Consultant Services Authorization No. 6

Recommended By:

Department Director

D-4-

Approved By:

Assistant County Administrator

Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2012	2013	2014	2015	2016
Capital Expenditures External Revenues Program Income (County) In-Kind Match County	\$166,444 0 0 0 0	<u>0</u> <u>0</u> <u>0</u>	<u>0</u> <u>0</u> <u>0</u>	<u>0</u> <u>0</u> <u>0</u> <u>0</u>	0 0 0 0
NET FISCAL IMPACT	\$166,444	<u>Q</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Budget Account No.: Fund 4011 Dept 721 Unit W004 Object 6541

Is Item Included in Current Budget?

Yes X No ____

Reporting Category N/A

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

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

C. Department Fiscal Review: Lellia M West

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development Completion of project depends on t	t and Control Comments: he task notice to proceed receipt.
Jun 132/2012	Contract Development and Control
OPMB TOSTIZ	Contract Development and Control

B. Legal Sufficiency:

Assistant County Attorney

This item complies with current County policies.

C. Other Department Review:

Purchasing Department Director

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

WELL LOCATION MAPS

New Water Treatment Plant 8 Production Well Locations



Project Location

CONSULTANT SERVICES AUTHORIZATION NO. 6

Project No. WUD 12-008 Budget Line Item No. 4011-721-W004-6541

Project Title: Water Treatment Plant 8 Wells Rehabilitation and Replacement

District No.: 2

THIS AUTHORIZATION #6 to the Contract for Consulting/Professional Services dated May 3, 2011 with an effective date of June 3, 2011 (Resolution/Document R2011-0632), 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 26% SBE participation overall. This Consultant Services Authorization includes 17.06% overall. The cumulative SBE participation, including this authorization is 7.68% overall. Additional authorization will be utilized to meet or exceed the stated overall participation goal.

- 1. CONSULTANT: MWH Americas, Inc.
- 2. ADDRESS: 100 S. Dixie Highway, Suite 300, West Palm Beach, FL 33401
- Description of Services to be provided by the Consultant:
 Professional services to replace well screens and inner casings at wells 8W-1, 8W-2, and 8W-3, to replace wells 8W-4 and 8W-21, and modifications to existing wellhead equipment and above-grade raw water piping.

See EXHIBIT "A".

4. Services completed by the Consultant to date:

See EXHIBIT "B" and "C".

- 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 \$N/A
 - B. Fixed price of \$166,443.60
- 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.

Date: _

ATTEST:

Signed:

Typed Name: Barbara Randazzo

8. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated May 3, 2011 with an effective date of June 3, 2011 remain in full force and effect.

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

ATTEST: SHARON R. BOCK CLERK AND COMPTROLLER	PALM BEACH COUNTY, FLORIDA, A Political Subdivision of the State of Florida BOARD OF COUNTY COMMISSIONERS
	By:Shelley Vana, Chair
APPROVED AS TO FORM AND LEGAL SUFFICIENCY	APPROVED AS TO TERMS AND CONDITIONS
	Bruly Bern
Assistant County Attorney	Bevin A. Beaudet, P.E., Director Water Utilities Department
CONSULTANT:	
FIRM: MWH Americas, Inc	
Signed:	
Typed Name: Richard B. Lewis	- , ,
Title: Vice President	

EXHIBIT A

CONSULTANT SERVICE AUTHORIZATION NO. 6

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT ENGINEERING/PROFESSIONAL SERVICES

SCOPE OF WORK

Water Treatment Plant 8 Wells Rehabilitation and Replacement

INTRODUCTION

Palm Beach County (COUNTY) entered into an agreement entitled Contract for Engineering/ Professional Services - Palm Beach County Water Utilities Department Project No. WUD <u>11-003</u> (CONTRACT) with <u>MWH Americas, Inc.</u> (CONSULTANT) to provide engineering services for various general activities on (Reference Document R2011-0632). This Consultant Service Authorization will be performed under that CONTRACT.

This Consultant Services Authorization encompasses providing services related to the design and permitting of seven new production wells.

BACKGROUND

In order to maintain additional rotational well capacity, the Palm Beach County Water Utilities Department (PBCWUD) has constructed an extensive wellfield system to deliver raw water to Water Treatment Plant (WTP) 8. Over time, some of the wells serving this system have shown signs of deterioration and repair or replacement is needed to maintain the integrity of the system. PBCWUD has identified two existing WTP 8 raw water supply wells and associated raw water piping to be replaced (8W-4 and 8W-21) and three existing WTP 8 raw water supply wells requiring rehabilitation (8W-1, 8W-2, 8W-3) as part of this scope of services.

This Scope of Work consists of the engineering and hydrogeological services for the following:

- Hydrogeological evaluation, coordination, and review of COUNTY provided well video logs at proposed well sites;
- Site survey;
- Design of the production wells, wellhead assembly, pumping equipment, magnetic flow meters, well pads; fencing; lighting; and related local electrical and mechanical equipment required to enable these wells to be remotely monitored and controlled for wells 8W-4 and 8W-21;
- Design of the new gravel pack, screen, and riser pipe, new discharge pressure transmitters, new surface piping and connection to existing raw water main, new flowmeter, and new combination level/conductivity/temp transmitters for wells 8W-1, 8W-2, and 8W-3.

- Wellhead elevations for 100-year flood conditions;
- Preparation of design documents for bidding the construction of the wells;
- Development of an Opinion of Probable Construction Cost;
- · Bidding support

SCOPE OF SERVICES

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

Task 1 - Project Management/Meetings/QA/QC

Project Management - The CONSULTANT will provide overall Project Management and QA/QC services as well as attend project progress meetings with COUNTY as follows:

- 1.1 Kick-Off Meeting The CONSULTANT will lead one kick-off meeting with the County to review the project schedule, review work responsibilities, and identify information described elsewhere in this proposal to be provided by the COUNTY.
- 1.2 **Progress Meetings** The CONSULTANT will prepare for and attend progress meetings at the 30%, 60%, and 90% design submittal phases, and one progress meeting prior to the scheduling of the pre-bid conference. The CONSULTANT will prepare and distribute minutes of these meetings. The purpose of these meetings will be to review drawings and specifications, discuss technical issues, review interim reports, review budget and cost status, identify and discuss unexpected or unplanned conditions or events, and discuss and resolve other project issues.
- 1.3 Quality Assurance and Quality Control The CONSULTANT will perform internal Quality Assurance review in accordance with CONSULTANT's standard procedures. Comments and responses will be documented. In addition, the CONSULTANT will provide written response to comments provided by the COUNTY at each of the design phases listed below. The Design will be in general accordance with the Palm Beach County Water Utilities Minimum Engineering Standards and Design Guidelines.
 - 1.3.1 Schematic Design Phase (30% Design),
 - 1.3.2 Design Development Phase (60% Design),
 - 1.3.3 Contract Document Preparation Phase (90% design/final design phase).
 - 1.3.4 Issued for Bid Documents

Task 2 - Schematic Design Phase

The CONSULTANT will provide the following schematic design services related to the project:

2.1. **Well Evaluation** – The COUNTY will provide video of the existing wells and provide to CONSULTANT. The CONSULTANT will observe well performance in the video and evaluate wells 8W-1, 8W-2, and 8W-3 to assist in determining if the existing wells can be rehabilitated by inner casing and screen replacements or will need to be replaced. CONSULTANT will conduct

- an informal pricing survey from local Water Well Contractors to obtain rehabilitation cost estimates. A meeting will be held with the COUNTY to discuss the rehabilitation potential for each of the wells evaluated and to confirm which wells will be replaced or rehabilitated. This scope of work assumes well rehabilitation will be possible.
- 2.2. **Production Well Siting** For new wells 8W-4 and 8W-21, the CONSULTANT will conduct reconnaissance to evaluate, based on survey information and visual inspections in the field, the suitability of the areas adjacent to the existing well sites previously selected and identified by the COUNTY for well construction permitting, design, construction and access (for construction and future maintenance). Based on inspection of each replacement or rehabilitation well site, the CONSULTANT will prepare a list of issues related to the drilling of a well at each location. These issues are expected to include access to well site, test water discharge location, electrical service to the site, raw water main location, construction staging areas, and traffic maintenance.
- 2.3. **Well Site Plans** The CONSULTANT will create a base map of each of the proposed new or modified well sites (total of 5) based on the COUNTY's GIS files showing the well locations relative to local roads and water features. These base maps will be used as part of permitting and design efforts discussed in subsequent tasks, and will encompass an area within 200-ft of each well.
- 2.4. Schematic Design Report Technical Memorandum (30% design)— The CONSULTANT will compile the results of the schematic design tasks above and prepare a draft Technical Memorandum (TM) that briefly summarizes the well site locations and construction requirements; well rehabilitation requirements; well pump ranges for sizing type and calculations;, sizing, and pipe material type;; and schematic layout for each well. Five draft copies of the TM will be delivered to the County for review. A review meeting will be scheduled with the COUNTY following a two-week review period to receive comments. The COUNTY will provide an electronic log of comments (MS EXCELtm preferred) and the CONSULTANT will provide responses with the final TM. Five copies of the final TM will then be delivered.

Task 3 – Design Development Phase

- 3.1. **Well Site Survey** The Consultant will perform a topographic survey of the five System 8 wells to be rehabilitated or replaced (sites are assumed to be 100' x 100' in total area or less) to provide an AutoCAD base map for all engineering and design. Survey information will be provided to the COUNTY to be used as part of the contract documents.
- 3.2. Underground Utility Locating Using Radio Frequency Locating Equipment and Ground Penetrating Radar (GPR) (Utility Locates) The CONSULTANT shall perform underground utility location to locate and mark on the field the horizontal direction of existing water, sewer, electric, communication, and storm drainage underground utilities at each of the five well site locations. Underground utilities will not be located inside the Buildings or where access is not possible. CONSULTANT, for this purpose will use Radio Frequency locators and Ground Penetrating Radar (GPR) to locate underground utilities made of conductive and nonconductive materials.

Utilities will be marked in the field using blue paint and/or flags for water lines, green for sewer lines, red for electric lines, and orange for communications lines.

COUNTY is advised that GPR Technology is not 100% accurate. Depending on factors such as and not limited to: soil type, soil moisture, size of underground utility, type of underground utility, depth of underground utilities; some utilities may not be detected by GPR. GPR will detect the presence of the utility but not the type. Instances may occur where some detected utilities remain unidentified.

- 3.3. Design Development Phase Documents and Review - CONSULTANT will prepare and submit five (5) copies of the design development phase (60%) documents for review by the COUNTY (drawings will be submitted four full size and one reduced 11 x 17" format for this review). A review meeting will be scheduled with the COUNTY following a two-week review period to receive comments. The COUNTY will provide an electronic log of comments (MS EXCELtm preferred) and the CONSULTANT will incorporate the COUNTY's comments and preferences and then issue a design freeze CONSULTANT will provide written response to comments (accept, reject with reason stated, or modify with description). The design will proceed to completion on the basis of the agreements reached at this stage of the project. Re-design after notification of CONSULTANT's design freeze, or redesign to meet the COUNTY's budget requirements or changed conditions will be accommodated by amendment to this CSA. conclusion of the Design Development Phase will include:
 - Finalization of all major design decisions,
 - · Sufficient design detail to convey the design intent to the COUNTY,
 - o Completed P&ID diagrams
 - o Preliminary demolition drawings
 - o Equipment lists
 - o Site plan, survey, and general civil drawings
 - Preliminary mechanical equipment and piping drawings
 - Preliminary electrical drawings
 - o Important plan and section information
 - First draft of major equipment specifications from Sections 1 through 17; The specification nomenclature will follow CSI 1995 format
 - An updated drawing list for construction documents

Task 4 - Contract Document Preparation Phase

4.1. Opinion of Probable Construction Cost Estimate – The CONSULTANT will prepare a Class 1 opinion of probable construction costs (OPCC) estimate in accordance with AACE International. Pursuant to COUNTY requirements, the OPCC will be provided in MS Excel format with an accuracy range of +15 percent to -5% accuracy.

- 4.2. Contract Documentation Preparation Phase Documents and Review CONSULTANT will prepare and submit five copies of the contract document preparation phase (90%) documents for review by the COUNTY (drawings submitted will be four full size and one reduced 11 x 17" format for this review, and five sets of project specifications). A review meeting will be scheduled with the COUNTY following a two-week review period to receive comments. The COUNTY will provide an electronic log of comments (MS Excel preferred) and the CONSULTANT will provide responses to the COUNTY and issue the project bid-ready documents for confirmation (drawings submitted will be four full size, one reduced 11 x 17" format, one camera ready set, and one set of project specifications for reproduction). Generally the conclusion of the Contract Document Preparation Phase will include:
 - Completion of the civil, mechanical, structural, electrical, instrumentation, and other design drawings outlined during the Design Development Phase for County reproduction and preparation of the project Bid Package (see Attachment F for proposed drawing list).
 - Completion of the equipment and project specifications Sections 1 through 17 (the geotechnical report is also included for County reproduction of the project Bid Package).

Task 5 - Bidding Assistance

The CONSULTANT will assist the COUNTY with the bidding and award of a single construction contract for the project. The COUNTY will issue copies of the bid documents, maintain records of all plan holders, and receive questions from bidders. The following subtasks are included as part of this task:

- Addenda The CONSULTANT will respond to bidders' inquiries as requested by the COUNTY and assist the COUNTY with preparing an addendum to clarify the bidding documents prepared by the CONSULTANT. The addendum will be provided to the COUNTY for incorporation into the final bid package prepared by the COUNTY's procurement department and distribution to all plan holders of record. The CONSULTANT has budgeted for the preparation of one addendum to the bidding documents, after the advertisement date, to incorporate changes requested by the COUNTY.
- 5.2 **Pre-Bid Conference** The CONSULTANT will attend one pre-bid conference. This task also includes conducting a single visit to the three sites of work with prospective bidders. The CONSULTANT will provide minutes of pre-construction meeting.

ASSUMPTIONS AND CLARIFICATIONS

CONSULTANT's scope of work is based on certain assumptions which determine the CONSULTANT's level of effort and therefore compensation, as follows:

- CONSULTANT and all sub-consultants and surveyors shall comply with the Palm Beach County and Water Utilities security requirements.
- Access will be provided by the COUNTY to the site of the work during design and construction activities.

- All equipment will be furnished under the construction contract. Separate equipment procurements are not included in this scope of work.
- Any temporary or permanent construction easements or easement agreements necessary for access to or construction of the work will be provided by the COUNTY. This scope of work does not include assistance with property acquisition or easements.
- Public information, awareness, and involvement activities are not included in this scope of work.
- A copy of available record drawings, in CAD format, depicting the layout, construction and details of the existing wellfield, will be furnished by the COUNTY for the CONSULTANT's use in preparing the contract documents within 10 days of Notice-to-Proceed.
- Pigging, or otherwise cleaning, of the existing raw water piping system is not included in this scope of work.
- Utilize existing SCADA communication and add I/O cards as needed. The control panels and electrical service will not be modified and will remain inplace.
- All new wells will be installed above-grade; landscaping will not be required at
 any well site; and each well site will be enclosed with chain link fencing. New
 well sites will be concrete pad with gravel surrounding the main pad to the
 extents of the fence line. PBCWUD will pressure test and grout or otherwise
 improve existing sanitary sewers within the wellfield protection zones of
 influence, if required.
- No roadways will be constructed under this project.
- Electronic files exchanged between the COUNTY and the CONSULTANT will be in a format compatible with MS Office 2007 and AutoCAD 2011.
- COUNTY will coordinate and request sanitary surveys for new well sites from Palm Beach County Health Department.
- All permit application fees will be paid for by the COUNTY.
- The COUNTY will provide COUNTY standard engineering details to the CONSULTANT in AutoCAD 2011 format.
- CONSULTANT assumes hydraulic modeling will not be required due to nature of project. If determined to be required it will be performed by the COUNTY. Pump hydraulic selection will be performed by the COUNTY.
- This scope of work assumes wells 8W-1, 2, and 3 will be rehabilitated. If replacement is required upon completion of evaluation, this scope of work will be modified and negotiated accordingly.

COMPENSATION

The COUNTY shall pay the CONSULTANT a fee for providing the services described in this scope of work of \$166,443.60, in accordance with Attachment A. Such fee shall be invoiced and paid for under the terms and conditions of the CONTRACT by the fixed price method of payment

SBE - M/WBE PARTICIPATION

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

ATTACHMENT – A Budget Summary

ATTACHMENT – B Project Schedule

ATTACHMENT – C SBE Schedules 1 & 2

ATTACHMENT – D Location Map

ATTACHMENT – E Proposed Drawing List

ATTACHMENT A

CONSULTANT SERVICES AUTHORIZATION NO. 6 - Water Treatment Plant 8 Wells Rehabilitation and Replacement COMPENSATION FEE BREAKDOWN

Subconsultant Subconsultant Subconsultant					Task 5 Task 5.1 Task 5.2	Tests 4 Tests 4.1 Tests 4.2	Track 3 Tack 3.1 Tack 3.2 Tack 3.3	Task 2 Task 2.1 Task 2.2 Task 2.2 Task 2.3 Task 2.4	Track 1.0 Track 1.0 Track 1.1 Track 1.2 Track 1.2 Track 1.2 Track 1.2 Sub-Track 1.3.1 Sub-Track 1.3.2 Sub-Track 1.3.3	Task No.
Subconsularità FRS Survyora - Wedele urd URY Locales Survey Hast Electric Represents, Nr Electrical AC High Test Electric Represents, Nr Electrical AC Subconsularità Subtotal Subconsularità Subtotal	MIGT	Labor Hourty Billing Relea (Direct Labor Rate * 2.9)	Direct Labor Rate	Labor Subricial Hours	Bidding Assistance Addenda (Only 1) Pts-Bid Contembs	Contract Document Preparation Phase Opinion of Probable Constitution Cost Editate Contract Documentation Preparation Prese Documents and Review	Design Development Phase Wed Stat Survey Wed Stat Survey Ultify Localist Design Development Phase Documents and Raview	Schematic Deligo Pistes Wed Equilation and Volton Log Observation Production Wed Silving Wed Silving Wed Silving Schematic Dasign Report Technical Mannamedum	Project Management Meshings Project Management Meshings Project Meshings P	Tesk Description
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	\$32,300.00	\$170,00	\$58.62	198	> # # #	8-2	n ~r	203-5	5 × 2 × 5	Supervising Professional
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	\$1,512.00	\$189.00	\$65,17	8			o =		•	Senior Estimator
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	\$131,224.00				\$5,749.00 \$3,394.00 \$2,414.00	\$30,243.00 \$6,273.00 \$23,970.00	\$31,581.00 \$361.00 \$254.00	\$25,596,00 \$5,142.00 \$4,897.00 \$14,848.00	\$18,086.00 \$18,085.00 \$1,707.00 \$5,402.00 \$1,082.00 \$3,364.00 \$1,082.00	Labor Sublotal
	\$28,400.00				\$880,00 \$480,00	\$7,286.90 \$720.00 \$6,480.00	\$11,840.00 \$2,300.00 \$1,100.00 \$7,440.00	\$7,200.00 \$0.00 \$0.00 \$0.00 \$7,200.00	00.08 00.08 00.08 00.08 00.08 00.08	Subconsulturia
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	\$1,289.60		#		\$107.20 \$107.20 \$0.00	\$321.50 \$0.00	\$570,00 \$28,00 \$0,00 \$643,20	\$160,000 \$0,000 \$0,000 \$1,60,000	2000 2000 2000 2000 2000 2000 2000 200	CAD (\$16.75fm)
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	\$186,443.80				\$7,511.20 00.269.28 00.269.28	\$39,884.80 09.095,168	\$47,959.00 \$4,567.00 \$41,963.00	\$34,371,80 \$5,192,00 \$4,957,00 \$1,134,00 \$23,078,80	\$37,925.00 \$19,185.00 \$1,991.00 \$6,658.00 \$1,982.00 \$3,284.00 \$1,882.00	TOTAL

ATTACHMENT - B

PROJECT SCHEDULE

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 (calendar days)
Task 2 - Schematic Design Phase – Draft TM	60 days
Task 2 - Receive County Review Comments	75 days
Task 2 - Schematic Design Phase - Final TM	85 days
Task 3 - Design Development Phase Submittal	120 days
Task 3 - Receive County Review Comments	135 days
Task 4 - Contract Document Preparation Phase Submittal	180 days
Task 4 - Receive County Review Comments	195 days
Task 5 - Bidding Assistance	245 days

ATTACHMENT C SCHEDULE 1

LIST OF PROPOSED SBE-M/WBE SUBCONTRACTORS

PROJECT NAME: Water Treatment Plan	t 8 Wells Rehabilitation	and Replacement	PR	OJECT NO.: <u>WUD-12-008</u>			
NAME OF PRIME BIDDER: MWH A	Americas, Inc.	ADDRESS 100 S.	Dixie Highway, S	uite 300, West Palm Bea	ch, FL 33401		
CONTACT PERSON: Becky Hachenl	ourg, PE, PMP	PHON	E NO: <u>561-650-00</u>	070 FAX NO: <u>561-6</u>	50-0074		
BID OPENING DATE: <u>N/A</u>		DEPAI	RTMENT: Water I	Utilities Department		-	
*********************	PL	EASE IDENTIFY AI	L APPLICABLE	CATEGORIES OF SU	JBCONTRACTOR	S	******
Name, Address and	l (6)		l	Subc	ontract Amount	**************************************	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Phone Number	Minority Business	one or both Catego Small Business	ries) Black	Hispanic	Women	Caucasian	Other(Please Specify)
1. FRS & Associates		X	\$	\$	\$	\$3,300.00	\$
2 Hillers Electrical Engineering	X	X	\$	\$24,000.00	\$	\$	\$
3. High Tech Engineering	X		\$	\$1,100.00	\$	\$	\$
(Please use additional sheets if neces	sary)	Tota	\$	\$25,100.00	\$	\$3,300.00	\$

Total Bid Price <u>\$166,443.60</u>

Total Value of SBE Participation \$28,400.00

NOTE: 1. The amounts listed on this form must be supported by the Subcontractors prices 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 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.

SCHEDULE 2 LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE SUBCONTRACTOR

This document must be completed by the SBE-M/WBE Subcontractor and submitted with the bid packet. Specify in detail, the particular work items to be performed and the dollar amount and/or percentage for each work item. SBE credit will only be given for items which the SBE-M/WBE Subcontractor are SBE certified to perform. Failure to properly complete Schedule 2 may result in your SBE participation not being counted.

PROJECT NUMBER: WUD-12-008 PROJECT NAME: Water Treatment Plant & Wells Rehabilitation a
TO: MWH AMERICAS, INC. (Name of Prime Bidder)
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: \[\frac{\frac{11}{10} - \frac{\frac{16}{13}}{16} \]
The services to be provided include the following – (Please check one.) Labor and Material Materials Only The undersigned is prepared to perform the following described work in connection with the above project. (Additional Sheets May Be Used As Necessary to Describe Work Items)
Line Item/ Lot No. Item Description Qty/Units Unit Price Percentage LAND SURVEYOR SERVICES
at the following price or percentage \$ 3,300,00 (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. Price or Percentage
The undersigned subcontractor understands that the provision of this form to Prime Bidder does not prevent Subcontractor from providing quotations to other bidders. FRS & Associates (Print name of SBE-MWBE Subcontractor)
(Signature) (Signature) (Print trame/title of person executing on behalf of SBE-M/WBE Subcontractor)
Revised 3/15/11 Date: 12 1 1

ATTACHMENT C

SCHEDULE #2

PROJECT NO. WUD 12-008 LIAISON:_____

LETTER OF INTENT TO PERFORM AS A MINORITY SUBCONSULTANT

(Name of Prime or General Bidder)	
The undersigned intends to perform work in connec	ction with the above project as (check one):
an individual	a corporation
a partnership	a joint venture
The undersigned is certified	by Palm Beach County as a M/WBE.
Certification date September 28, 2009 - 9	September 27, 2012
not listed in current Palm Beach County Directory	f certificate from certifying agency if M/WBE firm is
The undersigned agrees to apply to within seven days of bid opening.	Palm Beach County for certification as an M/WBE
The undersigned is prepared to perform the folloproject (specify in detail particular work items or patiew attached proposal	wing described work in connection with the above arts thereof to be performed):
at the following price: \$ 24,000.00 (Amount must match subco	ntractor's quote)
You have projected the following commencem projecting completion of such work as follows:	ent date of such work, and the undersigned is
Projected <u>Items</u> <u>Commencement Date</u> See attached February 1, 2012	Projected <u>Completion Date</u> February 1, 2013
O %, of the dollar value of the subcontract will be and/or non-minority suppliers. The undersigned with you conditioned upon your execution of	e sublet and/or awarded to non-minority contractors gned will enter into a formal agreement for the work a contract with Palm Beach County.
	Hillers Electrical Engineering (Name of Minority Consultant)
Date: 12/1/2011	By: Signature of Minority/Women Contractor

ATTACHMENT C

SCHEDULE #2

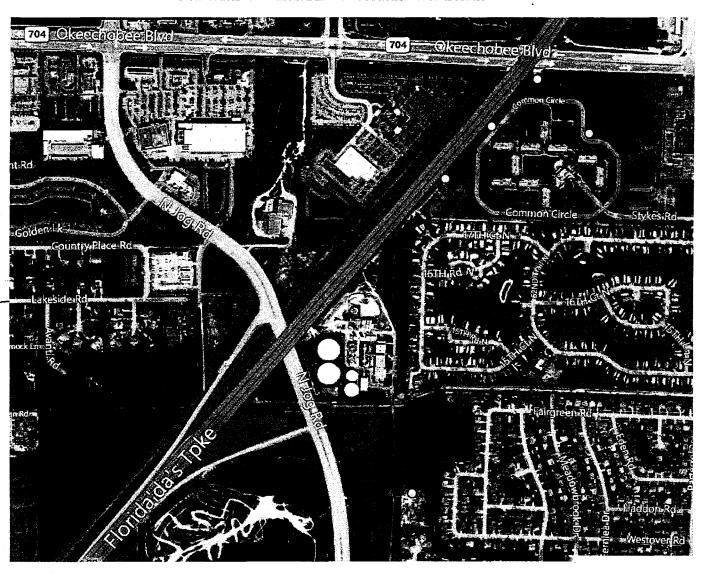
PROJECT NO. WUD 12-008 LIAISON:____

LETTER OF INTENT TO PERFORM AS A MINORITY SUBCONSULTANT

(Name of Prime of	or General Bidder)		
The undersigned intends	to perform work in connec	ction with the above projec	et as (check one):
an	individual		a corporation
a	oartnership	-	a joint venture
	ne undersigned is certified l		
Certification date	2/26/10		<u> </u>
not listed in current Palm	rsigned agrees to apply to	PR	
The undersigned is pre	pared to perform the follow particular work items or pa		
at the following price: \$ (A	1,100,00 mount must match sübcor	tractor's quote)	
You have projected the projecting completion of	ne following commenceme such work as follows:	ent date of such work,	and the undersigned is
<u>ltems</u> See attached	Projected Commencement Date February 1, 2012	<u>Complet</u>	ected t <u>ion Date</u> y 1, 2013
and/or non-minori	of the subcontract will be by suppliers. The undersign ed upon your execution of	ned will enter into a forma	al agreement for the work th County.
Date: 1904 20	<u> </u>	By: //// Signature of Minority/Wo	omen Contractor

ATTACHMENT D – WELL LOCATION MAPS

New Water Treatment Plant 8 Production Well Locations



Project Location

Attachment E - Proposed Drawing List

DWG#	DWG TITLE
G-1	COVER SHEET
G-2	LOCATION MAP, LIST OF DRAWINGS, AND GENERAL NOTES
G-3	STANDARD DETAILS
0.5	STANDARD DETAILS
C-1	CIVIL STANDARD DETAILS 1
C-2	CIVIL STANDARD DETAILS 2
C-3	CIVIL STANDARD DETAILS 3
C-4	SITE PLAN WTP 8 PRODUCTION WELLS - I
C-5	SITE PLAN WTP 8 PRODUCTION WELLS - II
C-6	SITE PLAN WTP 8 PRODUCTION WELLS - III
S-1	GENERAL NOTES AND STANDARD DETAILS 1
S-2	GENERAL NOTES AND STANDARD DETAILS 2
S-3	TYPICAL WELL PADS – PLAN(S)
S-4	TYPICAL WELL PADS – PLAN(S) AND SECTION(S)
M-1	MECHANICAL STANDARD DETAILS 1
M-2	MECHANICAL STANDARD DETAILS 2
M-3	TYPICAL WELL PLAN AND SECTION
M-4	WELL 8W-1 AND 8W-2 MECHANICAL PLAN
M-5	WELL 8W-3 AND 8W-4 MECHANICAL PLAN
M-6	WELL 8W-21 MECHANICAL PLAN
M-7	WELL CASING SCHEDULE AND PUMP DATA
E-1	ELECTRICAL LEGEND AND SYMBOLS
E-2	ELECTRICAL LEGEND AND STIMBOLS ELECTRICAL GENERAL NOTES
E-3	WTP#8 - ELECTRICAL SITE PLAN Sheet 1
E-4	WTP#8 - ELECTRICAL SITE PLAN Sheet 2
E-5	WELL 8W-1 ELECTRICAL PLAN
E-6	WELL 8W-2 ELECTRICAL PLAN
E-7	WELL 8W-3 ELECTRICAL PLAN
E-8	WELL 8W-4 ELECTRICAL PLAN
E-9	WELL 8W-21 ELECTRICAL PLAN
E-10	WELL 8W-1,8W-2,8W-3 RISER DIAGRAMS
E-11	WELL 8W-4 & 8W-21 RISER DIAGRAM
E-12	WELL 8W-1,8W-2,8W-3 SCHEDULES
E-13	WELL 8W-4 & 8W-21 SCHEDULES
E-14	ELECTRICAL DETAILS SHEET 1
-1	INSTRUMENTATION LEGEND
1-2	WTP#8 COMMUNICATION BLOCK DIAGRAM
1-3	P&ID WELL 8W-1 & 8W-2
1-4	P&ID WELL 8W-3 & 8W-4
1-5	P&ID WELL 8W-21
I-6	INSTRUMENTATION DETAILS

EXHIBIT - B

AUTHORIZATION STATUS REPORT

SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

Auth. No.	Description	Status	Project Total Amount	Date Approved	WUD No. Assigned	MWH Project No.
1	Miscellaneous Hydrogeology and Water Resources Services	Approved	\$30,026.00	8/30/11	WUD 11- 141	1011867
2	Disinfection System Evaluation	Approved	\$90,813.00	7/20/11	WUD 11- 117	1011641
3	Modification of Proposed System 8 and 3 Well Site Locations	Approved	\$72,261.00	9/7/11	WUD 11- 137	1011957
4	WQBEL White Paper	Approved	\$9,915.00	9/2/11	WUD 11- 147	1011856
5	New Water Treatment Plant 2 Production Wells 2W-8 and 2W-17	Pending	\$497,928.00	TBD	WUD 12- 006	TBD
6	Water Treatment Plant 8 Wells Replacement and Rehabilitation	Pending	\$166,443.60	TBD	WUD 12- 008	TBD

	Total		£007 200 C0			
	1 Otal		\$867,386.60			

EXHIBIT - C

AUTHORIZATION STATUS REPORT TELEMETRY, RECLAIMED WATER AND WASTEWATER TREATMENT

SUMMARY OF SBE / MINORITY BUSINESS TRACKING SYSTEM

		Total	SBE
Current F	roposal		
	Value of Authorization No. 6	\$166,443.60	
	Value of SBE - M/WBE Letters of Intent	\$ 28,400.00	\$28,400.00
	Actual Percentage	17.06%	17.06%
Signed A	uthorizations		
	Total Value of Authorizations	\$ 203,015.00	
	Total Value of SBE - M/WBE Signed Subcontracts	\$ 0	\$ 0
	Actual Percentage	0%	0%
Signed A	uthorizations Plus Current Proposal		
	Total Value of Authorizations	\$369,458.60	
	Total Value of Subcontracts & Letters of Intent	\$ 28,400.00	\$28,400.00
	Actual Percentage	7.68%	7.68%
GOAL		26%	