

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS
AGENDA ITEM SUMMARY

Meeting Date: May 15, 2012 Consent [X] Regular []
Public Hearing []

Department : Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization No. 4 to the Wastewater Engineering/Professional Services Contract with Hazen and Sawyer, P.C. (R2011-0631) for design of the Southern Regional Water Reclamation Facility (SRWRF) headworks by-pass in the amount of \$188,178.

Summary: On May 3, 2011, the Board of County Commissioners approved the continuing Contract for Wastewater Consulting Services with Hazen and Sawyer, P.C. (R2011-0631) to obtain engineering/professional service for utility related projects. This Consultant Services Authorization will provide final design plans to construct a headworks bypass which is needed for future inspections and repairs to the headworks. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance (R2002-0064) is 15% overall. The contract with Hazen and Sawyer, P.C. provides for SBE participation of 20% overall. This authorization includes 19.66% overall participation. The cumulative SBE participation, including this Consultant Services Authorization is 16.07% overall. Hazen and Sawyer, P.C. is a Palm Beach County company. (WUD Project No. 12-015) District 5 (JM)

Background and Justification: The SRWRF was constructed 20 years ago. There are common flow elements in the headworks which cannot be inspected or repaired without a means to bypass the headworks. Preliminary design plans were prepared by Jordan, Jones and Goulding, Inc. in 2006 but the project was not constructed due to funding constraints. This Authorization provides the funding for Hazen and Sawyer to complete the headworks bypass plans and to provide additional piping improvements for future influent surge tanks that will assist in equalizing reclaimed water production.

Attachments:

- 1. Location Map
- 2. Two (2) Original Consultant Service Authorization No. 4

Recommended By:  4/27/12
Department Director Date

Approved By:  5/11/12
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2012	2013	2014	2015	2016
Capital Expenditures	<u>\$188,178.00</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
NET FISCAL IMPACT	<u>\$188,178.00</u>	<u>0</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 <u>4011</u>	Dept <u>721</u>	Unit <u>W010</u>	Object <u>6545</u>	

Is Item Included in Current Budget? Yes X No

Reporting Category N/A

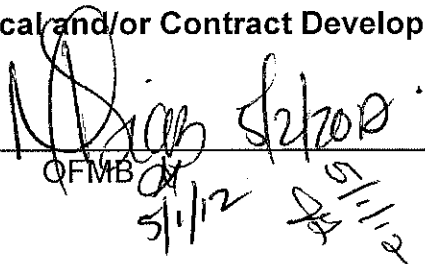

B. Recommended Sources of Funds/Summary of Fiscal Impact:

One (1) time operating expenditure from the user fees and balance brought forward

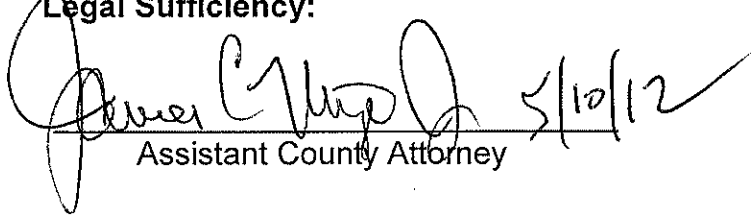
C. Department Fiscal Review: See Exempts for SW

III. REVIEW COMMENTS

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

 OFMB 5/1/12	 Contract Development and Control 5-9-12 B. Wheeler
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B. Legal Sufficiency:


 Assistant County Attorney
 5/10/12

C. Other Department Review:

 Department Director

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

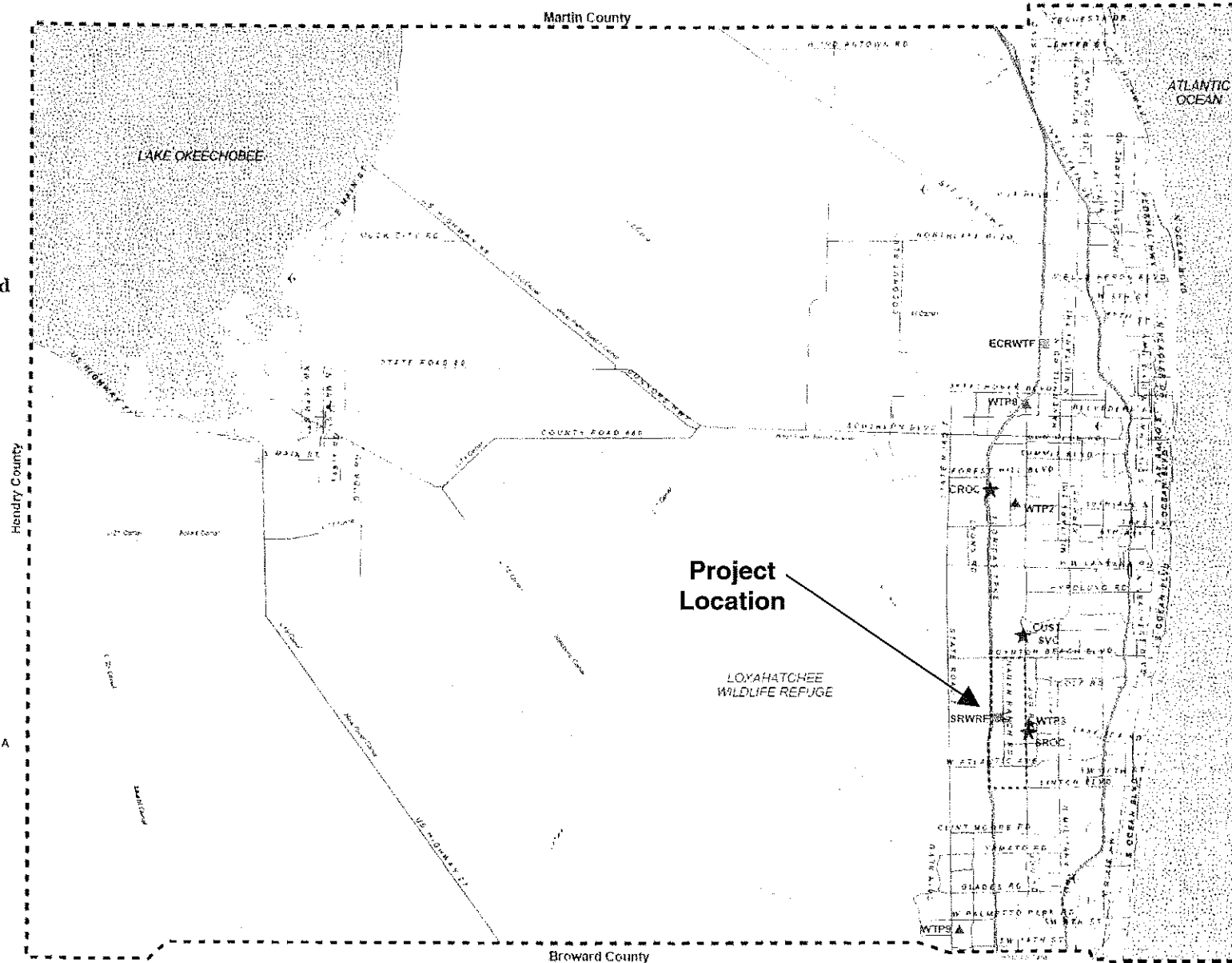
Attachment D – Location Map



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

Legend

- P.B.C.W.U.D. SA
- MANDATORY RECLAIMED SA
- COUNTY LIMITS
- ★ Administration
- ☒ Water Reclamation Plant
- ▲ Water Treatment Plant
- ⊕ Wetlands



CSA 4 – Southern Region Water Reclamation Facility – Headworks Bypass WUD # 12-015

CONSULTANT SERVICES AUTHORIZATION NO. 4

Project No. WUD 12-015

Budget Line Item No. 4011-721-W010-6545

Project Title: Southern Region Water Reclamation Facility Headworks By-passDistrict No.: 5

THIS AUTHORIZATION # 3 to the Contract for Consulting / Professional Services dated 5/3/2011 with an effective date of 6/3/2011 (Resolution / Document R2011-0631), 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 20.00% SBE participation overall. This Consultant Services Authorization includes 19.66% overall. The cumulative SBE participation, including this authorization is 16.07% overall. Additional authorization will be utilized to meet or exceed the stated overall participation goal.

1. CONSULTANT: Hazen and Sawyer, P.C.
2. ADDRESS: 2101 NW Corporate Boulevard, Suite 301, Boca Raton, FL 33431
3. Description of Services to be provided by the Consultant:

This Consultant Service Authorization encompasses preparation of a contract documents for incorporating flow bypass capabilities at the Southern Region Water Reclamation Facility (SFWRF) pretreatment building.

See Exhibit "A" for additional details

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
 - A. Computation of time charges plus expenses, not to exceed \$ n/a
 - B. Lump sum of \$188,178.00

- 7. This Authorization may be terminated by the County without cause or prior notice. If the termination is 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.
- 8. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated 5/3/2011 with an effective date of 6/3/2011 remain in full force and effect.

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

CONSULTANT:

PALM BEACH COUNTY:

FIRM: Hazen and Sawyer, P.C.

Signed: *Albert Muniz*

Signed: _____

Typed Name: Albert Muniz, P.E.

Typed Name: Shelley Vana *BVana*

Title: Vice President

Title: Chair, Palm Beach County
Board of County Commissioners

Date: 4/4/12

Date: _____

Signed: *[Signature]*

Typed Name: Robert B. Taylor, P.E.

Approved as to form and legal sufficiency:

Title: Vice President

Date: 4/4/12

County Attorney

ATTEST:

Sharon R. Bock, Clerk & Comptroller
Palm Beach County

Sharon R. Bock
(Signed)

By: _____
Deputy Clerk

EXHIBIT A

CONSULTANT SERVICES AUTHORIZATION NO. 4

PALM BEACH COUNTY WATER UTILITIES DEPARTMENT ENGINEERING / PROFESSIONAL SERVICES

INTRODUCTION

On May 3, 2011 Palm Beach County (COUNTY) entered into an agreement entitled Contract for Engineering / Professional Services – Palm Beach County Water Utilities Department Project No. WUD 11-143 (CONTRACT) with The CONSULTANT, P.C. (CONSULTANT) to provide engineering services for various general activities. This Consultant Service Authorization will be performed under that CONTRACT.

This Consultant Service Authorization encompasses preparation of a contract documents for incorporating flow bypass capabilities at the Southern Region Water Reclamation Facility (SFWRF) pretreatment building. The project will be designed in accordance with the PBCWUD Design Manual Guidelines and the PBCWUD Minimum Engineering Standards 2012 Edition.

BACKGROUND

The SRWRF receives wastewater for treatment from the southern portion of Palm Beach County. Two force mains (a 42-inch diameter force main from the west and a 48-inch force main from the east) transmit the wastewater to the SRWRF along the facility's southern property line. Both lines combine into a single 54-inch diameter force main which carries the wastewater to the facility's Pretreatment Building. The 54-inch force main transitions into two 42-inch force mains just prior to entering the Pretreatment Building where treatment of the wastewater commences. Valves are installed on each of the 42-inch force mains near the connections to the 54-inch force main.

There is currently no means of bypassing the Pretreatment Building in the event a mechanical, electrical or other type of failure occurs requiring wastewater flow to be diverted around the Pretreatment Building. The CONSULTANT has been asked to provide engineering design, permitting and bidding services for the purpose of designing a bypass system around the Pretreatment Building to allow the Pretreatment Building to be taken out of service on a temporary basis while continuing to send wastewater to each of the facility's two treatment process trains downstream of the Pretreatment Building. CONSULTANT has also been asked to provide engineering design, permitting and bidding services for additional bypass piping at the Pretreatment Building influent parshall flume flow meters and enhancements to the influent channels of the facility's two aeration tank trains to account for the loss of pretreatment building treatment processes during bypass operations.

This Consultant Service Authorization provides engineering design, permitting and bidding services for the following items:

1. Pretreatment Building influent bypass pipe and valves interconnecting the 54-inch plant influent force-main to each of the aeration influent lines feeding Aeration Tanks 1 and 2 (south train) and Aeration Tanks 3 and 4 (north train)
2. Flow equalization influent piping connections to the aeration influent lines serving both the north train and south train for future influent flow equalization tanks
3. Manual bar screens (total of four) within the aeration tank north train and south train common channels
4. Replacement of the aeration tank south train and north train common channel influent isolation sluice gates (total of four)
5. Concrete slab and containment (total of two) for manual bar screen screenings dumpsters at aeration tank north train and south train
6. Manual bar screen screenings dumpster containment drain (package lift station) (total of two) at aeration tank north train and south train to transfer the screenings dumpster liquid waste stream to the SRWRF plant drain system
7. Aeration tank north train and south train common channel odor control duct relocation and improvements to accommodate installation of manual bar screens and new isolation gates
8. Aeration tank north train and south train common influent channel walkway modifications to accommodate access around proposed manual bar screens and new isolation gates

SCOPE OF SERVICES

Task 1 – Project Kick-off Meeting

The CONSULTANT will organize and lead a kick-off meeting with the COUNTY staff and key members of the project team. During this meeting, the project scope, overall work plan, and project schedule will be discussed, lines of communication will be established, and data needs will be assessed. The COUNTY will provide the CONSULTANT with requested data within the first two weeks of project start.

Deliverable(s):

- 1.1 – Minutes from project kick-off meeting

Task 2 – Prepare 60% Complete Documents

CONSULTANT will prepare the 60% complete documents (i.e., drawings and technical specifications). Documents will be bid as one package.

CONSULTANT will prepare cost estimates to provide the COUNTY with an up to date progress estimate of projected probable construction costs. Estimates will be prepared and forwarded to the COUNTY at the 60% design completion stage.

CONSULTANT will schedule review a meeting/workshop to receive comments from the COUNTY at the 60% design completion stage. COUNTY will provide written comments prior to the meeting. Based on comments received, CONSULTANT will make subsequent revisions to the documents. This does not include out of scope changes beyond the recommendations identified in the scope of work. Comments from the review meeting will be documented in meeting minutes and incorporated in the final design.

Deliverable(s):

- 2.1 – Furnish four (4) sets of draft (60% complete) documents including four sets of 24-inch by 36-inch drawings, one set half-size drawings (i.e., 11-inch by 17-inch), and opinion of probable construction cost
- 2.2 – Minutes from review meeting including responses to written comments from COUNTY

Task 3 – Prepare 100% Complete Documents

Based on input received at review meeting, CONSULTANT will prepare the final (90% and 100%) documents (i.e., drawings and specification), construction schedule, and cost estimate.

CONSULTANT will prepare cost estimates to provide the COUNTY with an up to date progress estimate of projected probable construction costs. Estimates will be prepared and forwarded to the COUNTY at the 90% design completion stage.

CONSULTANT will schedule review a meeting/workshop to receive comments from the COUNTY at the 90% design completion stage. COUNTY will provide written comments prior to the meeting. Based on comments received, CONSULTANT will make subsequent revisions to the documents. This does not include out of scope changes beyond the recommendations identified in the scope of work. Comments from the review meeting will be documented in meeting minutes and incorporated in the final design.

CONSULTANT will conduct a 100% completion stage project peer review to provide QA/QC of the 100% complete documents and cost estimate prior to submittal of draft documents to COUNTY. The review will include final interdisciplinary checks, general coordination and constructability issues, and will be conducted by senior level personnel.

CONSULTANT will submit draft 100% complete documents to the COUNTY for final review. Schedule a review meeting to receive input at the 100% design completion stage. COUNTY will provide written comments prior to the meeting. Based on comments received make subsequent revisions to the documents. Comments from the review meeting will be documented in meeting minutes and incorporated in the final design.

Approximately two (2) weeks after delivery of the draft (100%) documents, CONSULTANT will schedule a review meeting so that any changes that may be necessary to meet the project's budgetary requirements can be incorporated. Comments obtained during the review meeting will be incorporated and the CONSULTANT will provide the COUNTY with a set of 100% complete documents.

Deliverable(s):

- 3.1 – Furnish four (4) sets of draft (90% complete) documents including four sets of 24-inch by 36-inch drawings, one set half-size drawings (i.e., 11-inch by 17-inch), and opinion of probable construction cost
- 3.2 – Minutes from 90% complete review meeting including responses to written comments from COUNTY
- 3.3 – Furnish four (4) sets of draft (100% complete) documents including four sets of 24-inch by 36-inch drawings, one set half-size drawings (i.e., 11-inch by 17-inch), and opinion of probable construction cost
- 3.4 – Minutes from review meeting including responses to written comments from COUNTY
- 3.5 – Final (100% complete) documents

Task 4 – Permitting

CONSULTANT will prepare permits for the regulatory agencies listed below:

1. Florida Department of Environmental Protection (FDEP)
2. Palm Beach County Building Department (PBCBD)

Information provided will include technical criteria, written descriptions, and design data required in support of the permit applications. Draft copies of the permit applications will be submitted to the COUNTY for review prior to submittal to the regulatory agency. A draft copy of the permit applications will be prepared and submitted to the COUNTY for review. A review meeting will be held within two weeks of submission of the draft permit applications to discuss comments. The COUNTY will provide written comments at least two days prior to the meeting. Comments from the meeting will be documented in meeting minutes and incorporated as applicable in the final version of the permit applications. The final permit applications will be submitted within approximately two weeks of receipt meeting date.

All associated permit application and filing fees will be determined by CONSULTANT and paid by COUNTY.

In addition to preparing the permit application for the above agencies, CONSULTANT will assist the COUNTY in consultations with the agencies, including attendance at one review meeting with each agency. Comments from the regulatory review meetings will be documented in meeting

minutes. Responses to questions from the regulators will be prepared and submitted as applicable.

Deliverable(s):

- 4.1 – Draft FDEP permit application
- 4.2 – Draft PBCBD permit application
- 4.3 – Minutes from COUNTY draft permit application review meeting
- 4.4 – Final FDEP permit application
- 4.5 – Final PBCBD permit application
- 4.6 – Minutes, and if necessary, response from the FDEP permit review meeting
- 4.7 – Minutes, and if necessary, response from the PBCBD permit review meeting
- 4.8 – If necessary, response to comments from the FDEP
- 4.9 – If necessary, response to comments from the PBCBD

Task 5 – Bidding assistance

CONSULTANT will assist COUNTY during the bidding process as described below: furnish bidding services as described below:

1. Respond to bidders' inquiries and prepare addenda necessary to clarify the bidding documents.
2. Attend one pre-bid conference which includes conducting a single visit to the site of the work with prospective bidders on the time of the pre-bid conference.
3. Attend one bid opening and prepare bid tabulation for all bids received.
4. Attend up to two meetings with COUNTY to review the acceptability of subcontractors, suppliers, equipment and other information submitted by the apparent low bidder, and other bidders as requested by COUNTY. CONSULTANT will also consult with COUNTY concerning the acceptability of substitute and "or equal" materials and equipment proposed by the apparent low bidder, and other bidders as requested by COUNTY.
5. Review the submittals of the apparent low bidder, and other bidders as requested by COUNTY. Prepare letter of recommendation based on successful low bid.
6. Evaluate and provide written recommendations to COUNTY for award of a construction contract.

Deliverable(s):

- 5.1 – Responses to contractor questions as needed
- 5.2 – Minutes from pre-construction meeting
- 5.3 – Final FDEP permit application

ASSUMPTIONS

The Scope of Work described herein is based upon the following assumptions:

1. COUNTY will provide copies of all available existing as-built construction drawings for those facilities involved in the work described herein to employ as a design drawing base

for the proposed work. Recognizing that the COUNTY cannot guarantee the accuracy of the drawings, CONSULTANT will verify critical dimensions, equipment and piping orientation, spare electrical and control conduit availability through field observation and measurement. CONSULTANT will adjust base drawings as necessary to reflect the actual as-built dimensions of critical elements.

2. CONSULTANT or its representative will provide excavation equipment and labor to excavate underground piping, valves, conduit and appurtenance for field verification with respect to vertical and horizontal location as well as size and material of buried items. Ground penetrating radar technology as reliable non-destructive testing for underground locating and subsurface imaging may be used at the discretion of the CONSULTANT and supplement soft digs as needed.
3. COUNTY will prepare contract documents (front-end) which will include the following: Instructions to bidders, bid forms, contract agreement forms, general conditions, and special conditions (if applicable). CONSULTANT will provide COUNTY with technical specifications and engineering drawings.
4. Construction phase engineering services are not included in this Consultant Services Authorization; services during construction may be included as additional services provided as an amendment to this Consultant Services Authorization.
5. COUNTY will pay for all permit fees.

M/WBE PARTICIPATION

As prescribed under Section 7.5 of the CONTRACT, SBE 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 B
PROJECT SCHEDULE

Schedule

Task No.	Description	ESTIMATED PROJECT SCHEDULE																	
		2012												2013					
		J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J
1	Project kick-off																		
2	60% complete documents																		
3	100% complete documents																		
4	Permitting																		
5	Bidding assistance																		

Assumes a notice to proceed in May 2012; total project duration is estimated to be 8 months

ATTACHMENT C

SBE SCHEDULE 1

LIST OF PROPOSED SBE-M/WBE PRIME / SUBCONTRACTORS

PROJECT NAME: Headworks By-pass

PROJECT NUMBER: 12-015

NAME OF PRIME BIDDER: Hazen and Sawyer, P.C.

ADDRESS: 2101 NW Corporate Boulevard, Boca Raton, FL 33431

CONTACT PERSON: Albert Muniz, P.E.

PHONE No.: (561) 997-8070 FAX No.: (561) 997-8159

BID OPENING DATE: n/a

DEPARTMENT: n/a

PLEASE IDENTIFY ALL APPLICABLE CATEGORIES

Name, Address and Telephone Number of Minority Contractor	(Check one or both Categories)		Dollar Amount				
	Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
Hillers Electrical Engineering, Inc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$0	\$29,000	\$0	\$0	\$0
ABB Engineering, Inc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$8,000	\$0	\$0	\$0	\$0
	<input type="checkbox"/>	<input type="checkbox"/>	\$0	\$0	\$0	\$0	\$0
	<input type="checkbox"/>	<input type="checkbox"/>	\$0	\$0	\$0	\$0	\$0
	<input type="checkbox"/>	<input type="checkbox"/>	\$0	\$0	\$0	\$0	\$0
PRIME CONTRACTOR TO COMPLETE:	\$188,178	TOTAL	\$8,000	\$29,000	\$0	\$0	\$0

BID PRICE: \$ 188,178.00

Total Value of SBE Participation: \$37,000

19.66%

NOTE:

1. The amount listed on this form for a Subcontractor must be supported by price or percentage included in Schedule 2 or a proposal from each Subcontractor listed in order to be counted toward goal statement.
2. Firms may be certified by Palm Beach County as an SBE and/or M/WBE. If firms are certified as both an SBE and a M/WBE, please indicate the dollar amount under the appropriate category.
3. M/WBE information is being collected for tracking purposes only.

ATTACHMENT C
SBE Schedule 2

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

PROJECT NO.: WUD 12-015 PROJECT NAME: Headworks By-pass

TO: A&B Engineering, Inc.
(Name of Prime Bidder)

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

Small Business Enterprise Minority Business Enterprise

Black Hispanic Women Caucasian Other (please specify)

Date of Palm Beach County Certification: 10/17/05

The undersigned is prepared to perform the following described work in connection with the above project at the following price \$ 8,000
(Sub-consultant's fee)

(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	Headworks By-pass Surveying	1	n/a	\$8,000

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 state: \$ _____

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

A&B Engineering, Inc.
(Print Name of SBE-M/WBE Sub-contractor)
By: Albert E. Rose
(Signature)
Albert E. Rose, P.E., President
(Print name / title of person executing on behalf of SBE-M/WBE Subcontractor)
Date: 04/05/2012

ATTACHMENT C
SBE Schedule 2

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

PROJECT NO.: WUD 12-015 PROJECT NAME: Headworks By-pass

TO: Hillers Electrical Engineering, Inc.
(Name of Prime Bidder)

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

Small Business Enterprise Minority Business Enterprise

Black Hispanic Women Caucasian Other (please specify)

Date of Palm Beach County Certification: _____

The undersigned is prepared to perform the following described work in connection with the above project at the following price \$ 29,000
(Sub-consultant's fee)

(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	Headworks By-pass	1	n/a	\$29,000

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 state: \$ 0.00

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 Sub-contractor)
By: *P. Hillers*
(Signature)
Paul Hillers/President
(Print name / title of person executing on behalf of SBE-M/WBE Subcontractor)
Date: 4/4/2012

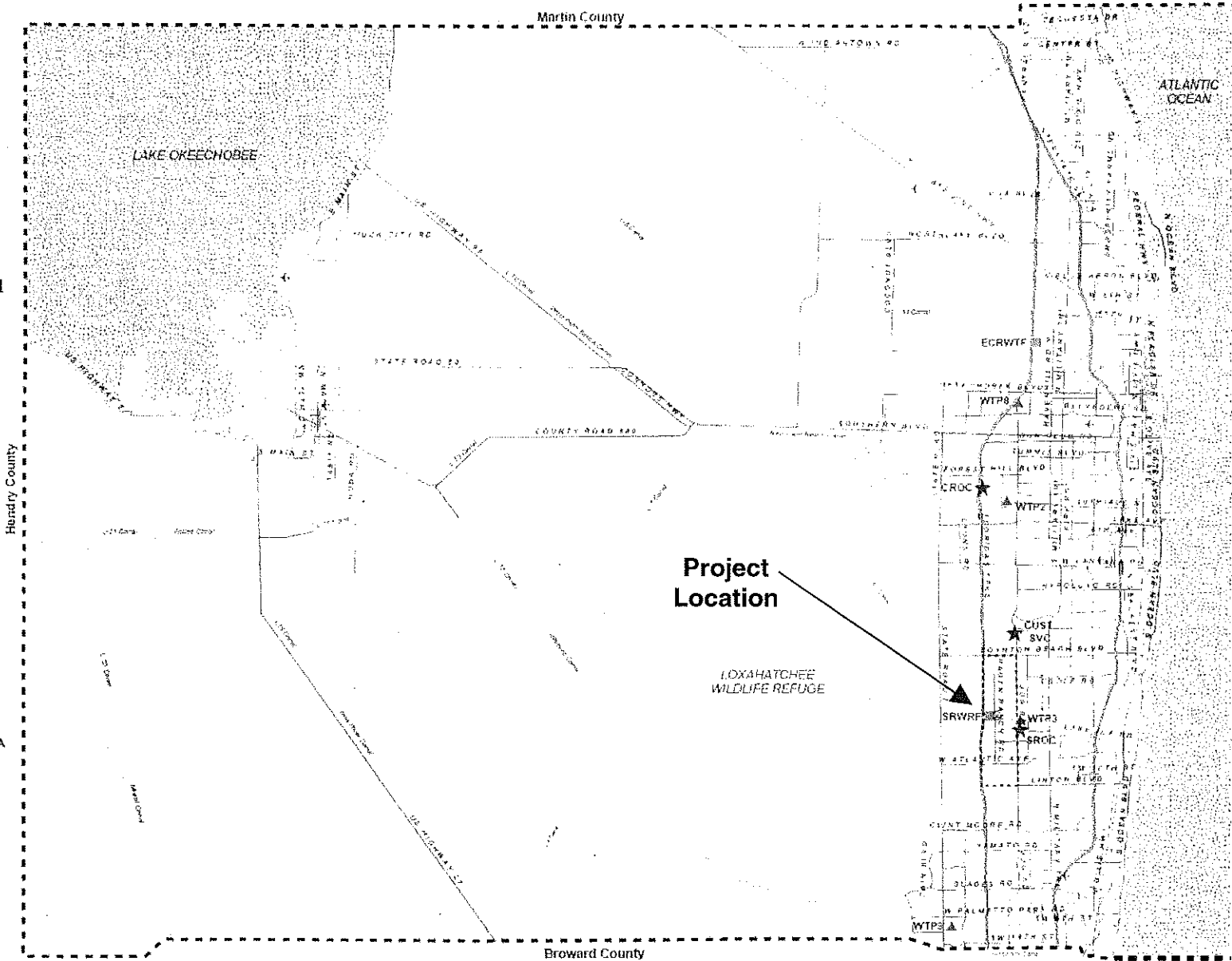
Attachment D – Location Map



Palm Beach County
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Service Area (SA) and
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Legend

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- - - COUNTY LIMITS
- ★ Administration
- ⊠ Water Reclamation Plant
- ▲ Water Treatment Plant
- ◻ Wetlands



CSA 4 – Southern Region Water Reclamation Facility – Headworks Bypass WUD # 12-015

EXHIBIT - C

AUTHORIZATION STATUS REPORT

SUMMARY OF STATUS OF SMALL BUSINESS TRACKING SYSTEM

	Total	SBE
Current Proposal		
Value of Authorization No. 4	\$188,178.00	---
Value of SBE Letters of Intent	\$37,000.00	\$37,000.00
Actual Percentage	19.66%	---
Signed Authorizations		
Total Value of Authorizations	\$270,372.00	---
Total Value of SBE Signed Subcontracts	\$36,700.00	\$36,700.00
Actual Percentages	13.57%	---
Signed Authorizations Plus Current Proposals		
Total Value of Authorizations	\$458,550.00	---
Total Value of SBE Signed Subcontracts & Letters of Intent	\$73,700.00	\$73,700.00
Actual Percentages	16.07%	16.07%
Goal	20.00%	16.07%