

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2011	2012	2013	2014	2015
Capital Expenditures	\$183,384.00	0	0	0	0
External Revenues	(\$183,384.00)	0	0	0	0
Program Income (County)	0	0	0	0	0
In-Kind Match County	0	0	0	0	0
NET FISCAL IMPACT	\$0.00	0	0	0	0
# ADDITIONAL FTE POSITIONS (Cumulative)	0	0	0	0	0

Budget Account No.: Fund 4011 Dept 721 Unit W026 Object 6547

Is Item Included in Current Budget? Yes X No ___

Reporting Category N/A

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

One time capital expenditure to be funded from user fees and balances brought forward to be reimbursed through the Economic Development Activity Grant.

C. Department Fiscal Review: *Selma M Vest*

III. REVIEW COMMENTS

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

N. Diaz 10/5/10
 OFMB
ok 10/4/10
10/11/10

Dr. J. Jacobson 10/6/10
 Contract Development and Control
2/10/10

B. Legal Sufficiency:
James W. [Signature] 10/8/10
 Assistant County Attorney

This item complies with current County policies.

C. Other Department Review:

 Department Director

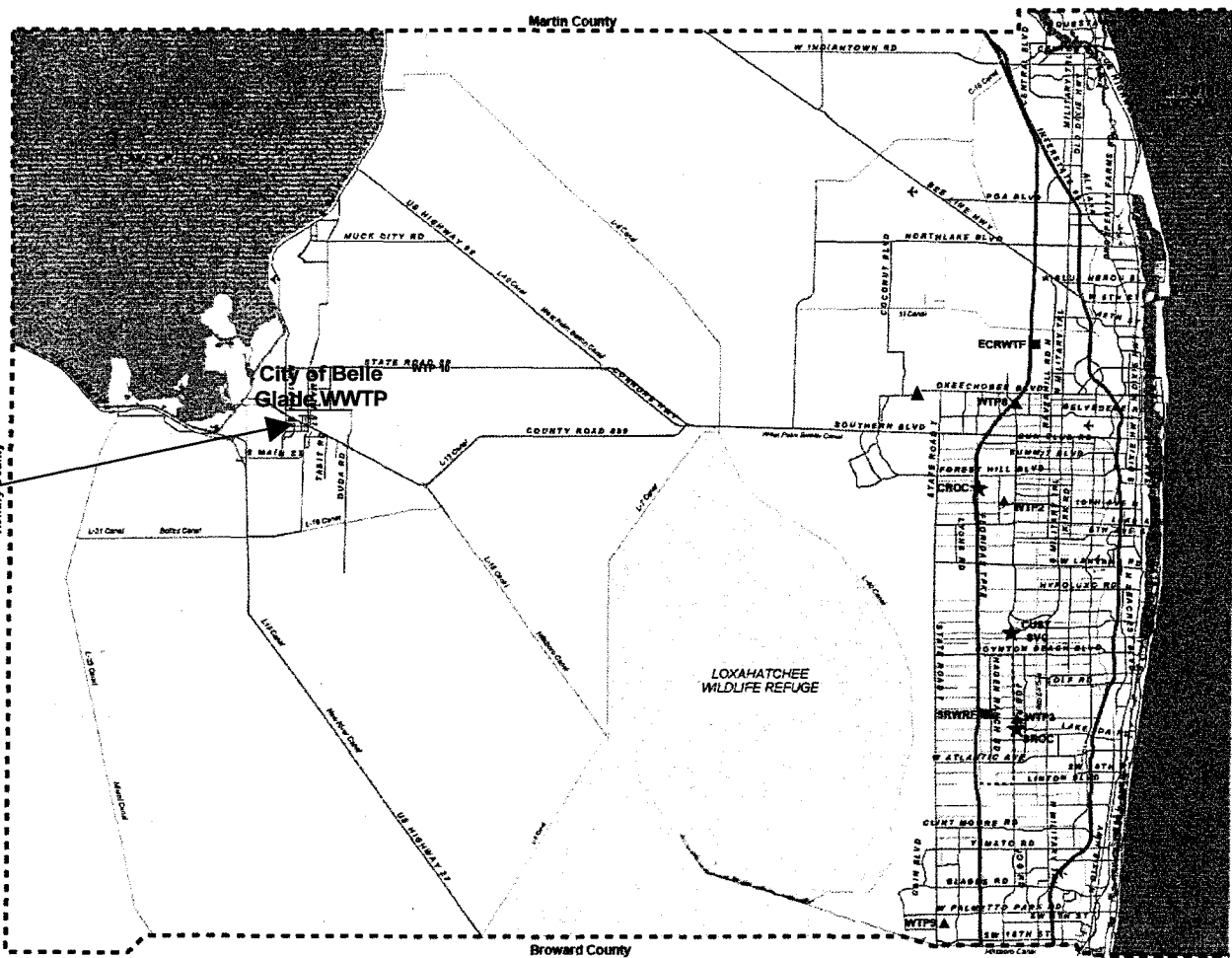
ATTACHMENT D Location Map



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

**Project
Location**

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



**Strategic Regional Wastewater Infrastructure Project – Glades Utility
Authority, Belle Glade Wastewater Treatment Plant – Project No.
WUD 10-062**

CONSULTANT SERVICES AUTHORIZATION NO. 8

Project No. WUD 10-062

Budget Line Item No. 4011-721-W026-6547

Project Title: Strategic Regional Wastewater Infrastructure Project – Glades Utility Authority, Belle Glade Wastewater Treatment Plant

District No.: 6

THIS AUTHORIZATION # 8 to the Contract for Consulting/Professional Services dated April 1, 2008 with an effective date of June 2, 2008 (Resolution/Document R2008-0531), 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 30% SBE participation overall. This Consultant Services Authorization includes 31.35% overall participation. The cumulative SBE participation, including this authorization is 30.03% overall. Additional authorizations will be utilized to meet or exceed the stated overall participation goal.

1. CONSULTANT: AECOM USA, Inc., formerly Boyle Engineering Corporation

2. ADDRESS: 2090 Palm Beach Lakes Blvd, Suite 600, West Palm Beach, Florida 33409

3. Description of Services to be provided by the Consultant:

Prepare plans, technical specifications and bid form for rehabilitation and/or replacement of equipment and upgrades to certain plant facilities at the Belle Glade Wastewater Treatment Plant (WWTP) located on West Canal Street South, Belle Glade, Florida. This work is to be funded through an Economic Development Agency (EDA) Grant awarded to the COUNTY. A more detailed description of the scope is presented in EXHIBIT "A".

4. Services completed by the Consultant to date:

See EXHIBITS "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 \$ 183,384.00

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.

8. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated April 1, 2008 with an effective date of June 2, 2008

PROJECT NO. WUD 10-062

AUTHORIZATION NO. 8

Budget Line Item No. 4011-721-W026-6547

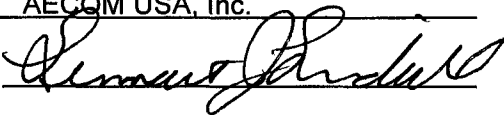
remain in full force and effect.

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

CONSULTANT:

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

FIRM: AECOM USA, Inc.

Signed: 

Typed Name: Lennart J. Lindahl, P.E.

Title: District Vice President

Date: 09/17/10

Signed: _____

Typed Name: BURT AARONSON, CHAIR 

Date: _____

ATTEST:

Sharon R. Bock, Clerk & Comptroller

(Deputy Clerk)

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

(County Attorney)

EXHIBIT A

CONSULTANT SERVICE AUTHORIZATION NO. 8

**PALM BEACH COUNTY WATER UTILITIES DEPARTMENT
ENGINEERING/PROFESSIONAL SERVICES**

**SCOPE OF WORK
FOR**

**Strategic Regional Wastewater Infrastructure Project – Glades Utility Authority, Belle Glade
Wastewater Treatment Plant – WUD 10-062**

INTRODUCTION

Palm Beach County (COUNTY) entered into an agreement entitled Contract for Engineering/ Professional Services – Palm Beach County Utilities Department Project No. WUD 08-005 (CONTRACT) with AECOM USA, Inc. (CONSULTANT), formerly Boyle Engineering, to provide engineering services for various general activities on April 1, 2008 with an effective date of June 2, 2008 (Resolution/Document R2008-0531). This Consultant Service Authorization will be performed under that CONTRACT.

This Consultant Services Authorization encompasses providing services to assist the Palm Beach County Water Utilities Department (PBCWUD) with preparation of plans, technical specifications and bid form preparation for rehabilitation and/or replacement of equipment and upgrades to certain plant facilities at the Glades Utility Authority Belle Glade Wastewater Treatment Plant (WWTP) located on West Canal Street South, Belle Glade, Florida. This work is to be funded through an Economic Development Agency (EDA) Grant awarded to the COUNTY. This will also include a general structural evaluation of the existing two (2) oxidation ditch walls/bottom slab, and a review of the hydraulic profile from the influent of the oxidation ditches to the weirs within clarifiers 1, 2, 3 and 4. A limited special purpose survey to obtain weir, top of wall, and certain ground spot elevations will be conducted as needed to conduct the hydraulic profile review outlined above. A summary memorandum of the findings will be prepared and submitted to the COUNTY.

BACKGROUND

Palm Beach County Water Utilities Department (PBCWUD) has requested that the CONSULTANT provide a scope of work to:

1. Prepare plans and specifications sufficient for bidding the WWTP rehabilitation and/or replacement and upgrades to certain plant facilities as outlined above at the Belle Glade WWTP.

Based on discussions with County Staff, it is our understanding that this work has been identified by the COUNTY as being the most critical needs for rehabilitation. This proposal has therefore been prepared based on the discussions with COUNTY Staff and the two site visits to the WWTP to go over the items with COUNTY Staff to be included and obtain COUNTY Staff input as to the scope items and extent of the work to be included herein. It is also our understanding that it is the COUNTY'S desire to be ready to seek bids from Contractors for these improvements concurrently with the rehabilitation of the nine (9) lift stations included in our CSA No. 7, if possible. Therefore, every effort will be made to

complete the plans, specifications and bid form concurrently with the work under CSA #7. The County (through Glades Utility Authority (GUA)) has been awarded an EDA grant to fund this project.

SCOPE OF SERVICES

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

Task 1.0 Special Purpose Topographic Survey Services

In Order to verify existing conditions as it relates to the hydraulic profile through the oxidation ditches, splitter box #2 and the clarifiers, elevations will be obtained as needed for the hydraulic profile review to be conducted under another task within this CSA #8. The survey information will be used to verify existing conditions and to develop information needed to review the hydraulic profile through the above mentioned plant components. CONSULTANT will assist the COUNTY by performing the following survey services:

- a) CONSULTANT will assist the COUNTY by obtaining existing elevations of the top of wall, and weirs for the headworks splitter box number 1, the two (2) existing oxidation ditches (#1 and #2), splitter box #2 located right after the oxidation ditches, and the four (4) clarifiers (#1/#2, #3 and #4). Ground spot elevations will also be picked up around the perimeter of oxidation ditch #1 and along the route for new sodium hypochlorite piping to the connection point at the chlorine solution junction box.
- b) Spot elevations will be collected using Geodetic Positioning System Equipment. Vertical control shall be referenced to NGVD 1988 and shall be based on a closed level loop between local control and/or County or National Geodetic Survey control points.

Task 2.0 Oxidation Ditch Structural Evaluation and Hydraulic Profile Review

a) Structural Analysis

- i) A visual field investigation of the existing oxidation ditch structures will be conducted. This CSA does not include any non-destructive testing or the costs associated with it. If in the opinion of the CONSULTANT non-destructive testing is required, the CONSULTANT will advise the COUNTY so that an appropriate Amendment to this CSA #8 can be approved to accomplish this work based on a mutually agreed/approved adjustment to the CONSULTANT'S fee as appropriate for the additional scope and work effort.
- ii) The CONSULTANT will review record drawings and shop drawings supplied by the COUNTY for these structures.
- iii) The CONSULTANT will perform an analysis of the structures subjected to current loads to satisfy ACI 350 (Code requirements for Environmental Concrete Structures). Upon completion of the analysis, if required, a recommendation for methods of strengthening the structures to meet requirements of ACI 350 will be made.
- iv) The CONSULTANT will prepare a technical memorandum summarizing the results of the CONSULTANT'S analysis, methods of strengthening the structure, and associated probable estimate of construction for the method of strengthening the structure. This Technical Memorandum will be signed and sealed by a Florida Registered Professional Engineer.

b) Hydraulic Profile Review

- i) Utilizing the information obtained in Task 1 related to the existing structures, weirs, etc. as outlined above, the CONSULTANT will conduct a review of the hydraulic profile of the

plant from the existing two (2) oxidation ditches to the weirs located within the four (4) clarifiers. The purpose of this review will be to estimate how the hydraulics of these facilities can be anticipated to perform under existing plant annual average day flow (AADF) conditions, design plant AADF conditions (6.5 mgd), max month average day (MMADF) plant flow conditions (based on a ratio of AADF from plant flow records applied to plant design flow rate), and peak hour (PH) plant flow conditions (based on a ratio obtained from plant flow records for PH applied to plant design flow rate). Currently, the plant experiences very high water levels through these structures, especially during or after certain rainfall events. The purpose of this exercise is to attempt to determine if adjustments to the operations of the plant by changing weir elevations, or adding yard piping interconnect(s) where appropriate, will potentially reduce the incidence of high water levels within oxidation ditch number 1 during normal operation. This would avoid the need for the COUNTY to consider raising the side wall elevation in this ditch, along with numerous other, more costly items that would possibly need to be addressed in order for the COUNTY to resolve this issue. This CSA #8 does not include design of any structural "fix", additional yard piping or other potential solutions to this matter. These "fixes", if needed, can be addressed as an Amendment to this CSA #8 to accomplish this work based on a mutually agreed/approved adjustment to the CONSULTANT'S fee as appropriate for the additional scope and work effort. The COUNTY will provide the CONSULTANT with at least three (3) to (5) years of plant daily flow data, along with charts or other information to determine peak hour flow rate into the WWTP, for CONSULTANT'S review and use for this task.

- ii) The CONSULTANT will submit four (4) copies of a technical memorandum summarizing the results of the CONSULTANT'S hydraulic review, and summarizing any recommendations related to modifications to plant operation of these specific plant components that were reviewed, or additional piping modifications that could be made to potentially improve hydraulic conditions.

Task 3.0 Plans and Specifications Preparation

- a) The CONSULTANT, and it's Sub-Consultant (Hillers Electrical Engineering, Inc.) will provide engineering services consisting of preparation of Plans and Technical Specifications for the rehabilitation and/or replacement of equipment and upgrades to certain plant facilities at the Belle Glade WWTP. This includes electrical, I & C and structural design as needed for the items listed below, where appropriate. Some items will consist only of preparing a specification for pumps/motors/small VFD's or other equipment to be purchased by the CONTRACTOR and turned over to the GUA, and GUA will install these items (these will not include any CONTRACTOR labor/installation). For the items that will be handled as a specification and provide only item, the COUNTY will provide the CONSULTANT with the specific information as to the type of equipment, model numbers, price quotes, vendor contacts, etc. for these items as already determined and obtained by the COUNTY. These items have been discussed with COUNTY Staff during the meetings at the site to review this project, and this scope and fee is based on this information and direction and our assumptions as presented to the CONSULTANT during those discussions. We estimate that the plans will consist of a total of approximately 53 sheets (22 General and Civil, and 31 Electrical and I & C). A bid form will also be prepared for the COUNTY'S use when bidding the project. The plans and specifications will address the following items as discussed with the COUNTY:
 - i) Effluent pump manifold piping – replace gate valves, check valves and concrete support pedestals
 - ii) Bar screen covers at plant headworks
 - iii) Design a new Sodium Hypochlorite bulk storage and feed system, including new feed piping out to the existing chorine solution junction box between oxidation ditch #1,splitter

box #2, clarifiers #3 and #4, pond overflow box, and RAS. This will be located inside of the existing CL2 gas storage and feed structure. Existing feed equipment to be demolished, and a new 3 pump skid mounted feed system installed and connected to the existing PLC. Two bulk storage tanks and one day tank will be included. Tank fill will be by a simple quick coupling connection. A dilution batching (induction) system will be used to increase storage life of the hypochlorite solution. Metering pumps will be flow paced if possible, with existing flow meters. A new power panel will be designed for the system power requirements and the existing PLC in the control room will be used to direct all the instrumentation signals to communicate with the existing IFIX system.

- iv) Four (4) new sludge pumps (specification item only – to be installed by GUA). These pumps will be a like for like replacement of existing (two (2) thickened sludge pumps and motors, and two (2) waste activated sludge pumps and motors). Investigate the level sensor in the sludge hopper that the thickened sludge pumps draw out of and specify a replacement to provide proper operation of the level sensor.
 - v) Effluent pumps and motors: Specify one (1) new effluent pump #3, rebuild effluent pump #2, and rewind motor for #2, and add two (2) new VFD's for pumps #3 and #4. The VFD's will replace the existing two remaining constant speed pump controls. It is assumed that the existing electrical room has sufficient space to house the new VFD's and that the existing PLC in the effluent electrical room has sufficient capacity for the additional analog signals. Provide new supports for the conduits to all 4 effluent pump motors, and demo the existing roof structure. The lighting will be replaced by GUA.
 - vi) Design a generator switchgear tie breaker. Investigate the feasibility and practicality of adding a tie breaker between the 2 electrical sources at the effluent pump station electrical building. Investigate the elimination of the 300 kw gen set #1, and feeding MCC off the 1500 kw gen set.
 - vii) Design a new automatic gate (sliding perpendicular to the entry road) with a single card reader and camera and connect to the control room. The card reader will be connected to the existing COUNTY data base through the existing T1 line. A new light at the gate is part of the design.
 - viii) Provide specifications to paint the exterior of all structures and buildings and all exposed, above grade piping.
 - ix) Design a new connection of the existing influent pipe from South Bay at the headworks structure to the plant's existing 24" influent line, below grade. The existing pipe connecting the South Bay flow at the top of the headworks structure will be demolished.
 - x) Provide four (4) new automatic weatherproof samplers (specification item only – to be installed by GUA)
 - xi) Design a "splash guard" along approximately 30% of the perimeter of oxidation ditch #1, mainly along the end radius area. This will not be a water retaining or structural element – it is only intended to help reduce the amount of splashing that occurs from time to time, and will be fiberglass or aluminum material.
- b) The CONSULTANT will utilize available plans and information provided by the COUNTY for the preparation of engineering base sheets as needed in order to prepare the Plans. COUNTY aerial photos will also be utilized to aid in the preparation of the engineering base sheets to be used.
- c) This task also includes providing underground utility test hole services for up to six (6) test hole locations. The intent of the test hole services is to collect additional relative horizontal

and vertical location information of certain existing utilities at determined points of interest by air/vacuum excavation to facilitate the identification and resolution of potential design conflicts and aid in the protection of these facilities during construction.

- d) CONSULTANT will provide four (4) half size (11" x 17") sets of plans for review and comment by the COUNTY at the 60%, and 90% complete stages. This will also include a draft outline of the specifications table of contents and a draft of the specifications sections with the 60% complete submittal, and a 2nd more complete draft of the specifications with the 90% complete submittal. Provide CAD files and PDF files of the Final (100% complete) drawings and "Word" files and one set of un-bound technical specifications and bid schedule for preparation of bid sets by the COUNTY. Provide three (3) full size (24" x 36") signed and sealed sets of Final plans and three (3) signed and sealed copies of the technical specifications will be provided to the COUNTY upon final completion for Building Permits. Provide an Engineer's Opinion of Probable Construction Cost at the 60% complete stage and the 100% complete (Final) stage.

Task 4.0 Limited Bidding Phase Services

- a) The CONSULTANT, and it's Sub-Consultant (Hillers Electrical Engineering, Inc.) will provide limited bidding phase services to the COUNTY during the bid process. This will consist of two items:
 - i) The CONSULTANT will answer prospective bidders questions as deemed pertinent to the bid process that are related to the contract drawings and specifications prepared under this CSA #8. This will be limited to up to two (2) Addendums, and additional Addendums will be considered additional services and the CONSULTANT will be compensated for these additional services by a modification to this Authorization Scope and Fee.
 - ii) The CONSULTANT will review the bid results provided to CONSULTANT by the COUNTY at the completion of opening the of the bids, and provide the COUNTY with a letter of recommendation of award.

Task 5.0 Project Management

Project management includes Task Order administration, QA/QC, project meetings and site visits with County staff and/or Sub-Consultants.

- a) Task Order Administration: The progress of the project will be monitored and resources will be managed to achieve the schedule, budget, and work quality goals of the project. The CONSULTANT will keep the COUNTY informed as to the status and progress of the project. Communications with the COUNTY will be conducted under this Task.
- b) QA/QC: The CONSULTANT will be conducting internal QA & QC review of the deliverables for conformance to Contract requirements and internal program requirements. The results of these deliverable reviews will be incorporated into the deliverables prior to submission to the COUNTY for review and comment.
- c) Project Meetings and Site Visits: Attend and participate in project meetings with COUNTY staff. A total of five (5) meetings and three (3) sited visits have been budgeted for as follows:
 - i. Attend up to five (5) meetings (Project kick-off meeting, Technical Memorandum review meeting after completion of Task 2.0, 60% submittal stage review meeting, 90% submittal stage review meeting, and a pre-bid meeting) to discuss project goals and objectives, and to coordinate necessary activities with COUNTY and GUA staff as required to complete the project.

- ii. Conduct up to three (3) site visits to coordinate the completion of the project and review/verify the conditions with COUNTY staff at the WWTP site during the preparation of the Plans and Specifications.

COUNTY RESPONSIBILITIES

1. Designate a Project Representative, as COUNTY's representative and primary contact for CONSULTANT. CONSULTANT will rely on COUNTY's designated Project representative for instructions and approval of CONSULTANT's services.
2. Provide information requested for all items to be included in the project as "to be purchased by the CONTRACTOR and provided to GUA for GUA installation including but not limited to equipment type, manufacturer, model numbers, price quotes, vendor contact information, etc. that the COUNTY already has and as discussed prior to preparation of this CSA.
3. COUNTY will be responsible for the rehabilitation of the deep injection well including all specifications and FDEP UIC permitting.
4. Provide any information, drawings, data, flow records, and other existing information pertinent to the project and project schedule.
5. Provide access to the WWTP site to the CONSULTANT and CONSULTANT'S Sub-Consultants as necessary to complete the project.
6. Provide prompt review and comment on all deliverables (within 10 working days of COUNTY receipt for the 60%, and 90% complete Plans and Specifications submittals).
7. Attendance of key personnel at meetings and site visits as requested.
8. COUNTY shall provide front-end specifications.
9. COUNTY shall produce and sell bid sets.
10. COUNTY shall review bidders licensing and SBE/MBE requirements.

DELIVERABLES and PERIOD OF SERVICE

Anticipated submittal times for the deliverables described in this scope of service will be provided as follows.

- See Attachement – B Project

Unless noted otherwise, all time durations listed below are in calendar days measured from the date upon which CONSULTANT receives written authorization to proceed. CONSULTANT will observe the time limitations contained herein. CONSULTANT shall not be responsible for delays, which occur as the result of action or inaction of others, such as delays in receiving information or input/direction from the COUNTY (GUA) or others necessary to perform the services.

COMPENSATION

The CONSULTANT will be compensated in accordance with the attached budget summary (Attachment A), a lump sum amount of \$183,384.00. Monthly progress payments will be authorized based on percent complete as determined by CONSULTANT.

OTHER PROVISIONS

All exclusions and additional provisions agreed to in the original Agreement are to remain in full effect during the implementation of the project. Certain assumptions have been made in preparing this

Scope of Services. To the extent possible, these assumptions are stated herein and are reflected in the budget for services.

- AECOM will complete the 60%, 90% and 100% deliverables in general accordance with the Water Utilities Department's standard engineering guidelines as applicable to the project. A copy of these guidelines marked-up as to what will be included in the deliverable submittals (and what has been deleted as not included or not applicable) is attached as Exhibit D.
- If the work tasks required are different from the assumptions presented herein or if CONSULTANT/COUNTY desires additional services, the resultant change in scope may serve as a basis for modifying this Authorization Scope and Fee as agreed to by both COUNTY and CONSULTANT.
- Consistent with the professional standard of care and unless specifically provided herein, CONSULTANT shall be entitled to rely upon the accuracy of data and information provided by the COUNTY or others without independent review or evaluation.
- CONSULTANT is not responsible for the means, methods, sequences, techniques or procedures of COUNTY's or the COUNTY'S Contractor's operations or safety precautions and programs.
- Any Opinion of the Construction Cost prepared by CONSULTANT represents its judgment as a design professional and is supplied for the general guidance of COUNTY. Since CONSULTANT has no control over the cost of labor and material, or over competitive bidding or market conditions, CONSULTANT does not guarantee the accuracy of such opinions as compared to contractor bids or actual costs to COUNTY.
- This Scope and Fee proposal does not include any permitting or construction phase services. However, AECOM will be more than happy to provide these services upon request and approval of an appropriate modification to this Authorization scope and fee.
- "The Recipient, EDA, the Comptroller General of the United States, the Inspector General of the Department of Commerce, or any of their duly authorized representatives, shall have access to any documents, books, papers, and records of the A/E (which are directly pertinent to a specific grant program) for the purpose of making an audit, examination, excerpts, and transcriptions. The Recipient shall require the A/E to maintain all required records for at least three years after the Recipient makes final payment and all pending matters are closed."

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

Strategic Regional Wastewater Infrastructure Project – Glades Utility Authority, Belle Glade Wastewater Treatment Plant Project No. WUD 10-062

PROJECT SCHEDULE

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

Task and Deliverable	Completion Date
Task 1.0 – Special Purpose Topographic Survey Services	30 days from receipt of NTP
Task 2.0 – Oxidation Ditch Structural Evaluation and Hydraulic Profile Review	45 days from receipt of NTP
Task 3.0 – Plans and Specifications Preparation	Technical Memorandum- 45 days from receipt of NTP 60% Complete submittal – 30 days after receipt of Technical Memorandum COUNTY written review comments 90% Complete submittal – 30 days after receipt of 60% COUNTY written review comments Final complete submittal – 15 days after receipt of 90% COUNTY written review comments
Task 4.0 – Limited Bidding Phase Services	30 days duration from date of Advertisement
Task 5.0 – Project Management	Throughout the Contract Duration until delivery of Final Plans and Specifications

ATTACHMENT C

SCHEDULE #1

LIST OF PROPOSED SBE-M/WBE PRIME/SUBCONTRACTORS

PROJECT NAME: Strategic Regional Wastewater Infrastructure Project - Glades Utility Authority, Belle Glade Wastewater Treatment Plant PROJECT NUMBER: WUD 10 - 062
 NAME OF PRIME BIDDER: AECOM USA, Inc. ADDRESS: 2090 Palm Beach Lakes Blvd., Suite 600, West Palm Beach, Florida 33409
 CONTACT PERSON: Lawrence A. Lardieri, P.E. PHONE NO. 561-684-3375 FAX NO. 561-689-8531
 BID OPENING DATE: _____ DEPARTMENT Utilities Services

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)
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
Hillers Electrical Engineering, Inc. 23257 State Road 7, Suite 209 Boca Raton, Florida 33428 Tel (561)451-9165	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$	\$ 57,500.00	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$	\$	\$	\$
PRIME CONTRACTOR TO COMPLETE:	TOTAL		\$ -	\$ 57,500.00	\$ -	\$ -	\$ -
BID PRICE: <u>\$ 183,384.00</u> of SBE Participation:			<u>\$ 57,500.00</u>				

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

ATTACHMENT C

SCHEDULE #2

PROJECT NO. WUD 10-062
LIAISON: _____

LETTER OF INTENT TO PERFORM AS A MINORITY SUBCONSULTANT

TO: AECOM USA Inc.
(Name of Prime or General Bidder)

The undersigned intends to perform work in connection with the above project as (check one):

_____ an individual x _____ a corporation
_____ a partnership _____ a joint venture
x _____ The undersigned is certified by Palm Beach County as a M/WBE.

Certification date September 27, 2012

Attach proof of M/WBE certification, either letter of certificate from certifying agency if M/WBE firm is not listed in current Palm Beach County Directory
OR

_____ The undersigned agrees to apply to Palm Beach County for certification as an M/WBE within seven days of bid opening.

The undersigned is prepared to perform the following described work in connection with the above project (specify in detail particular work items or parts thereof to be performed.): _____

Electrical Engineering and Instrumentation and Controls Design Services

at the following price: \$ 57,500.00 (Amount must match subcontractor's quote)

You have projected the following commencement date of such work, and the undersigned is projecting completion of such work as follows:

<u>Items</u>	<u>Projected Commencement Date</u>	<u>Projected Completion Date</u>
Electrical Engineering and Instrumentation and Controls Design Services		

0 %, of the dollar value of the subcontract will be sublet and/or awarded to non-minority contractors and/or non-minority suppliers. The undersigned will enter into a formal agreement for the work with you conditioned upon your execution of a contract with Palm Beach County.

Date: 4/16/2010

Hillers Electrical Engineering, Inc.
(Name of Minority Consultant)
By: [Signature]
Signature of Minority/Women Contractor

**PALM BEACH COUNTY
OFFICE OF SMALL BUSINESS ASSISTANCE**

CERTIFIES THAT

HILLERS ELECTRICAL ENGINEERS, INC.

VENDOR # **HILL0026**

is a Small Business Enterprise as prescribed by Section 2-80.21 – 2-80.35 of the Palm Beach County Code for a three year period from September 28, 2009 to September 27, 2012.

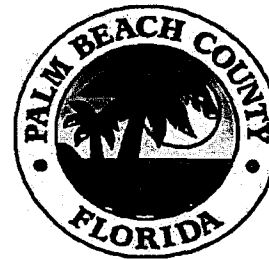
The following Services and/or Products are covered under this certification:

Electrical Engineering Services



Hazel Oxendine, Director

9.28.2009



Palm Beach County Board of County Commissioners

Jeff Koons, Chairman
Burt Aaronson, Vice Chairman
Karen T. Marcus
Shelley Vana
Steven L. Abrams
Jess R. Santamaria
Priscilla A. Taylor
County Administrator
Robert Weisman
Deputy County Administrator
Verdenia C. Baker

Exhibit D

CONSULTANT SERVICE AUTHORIZATION No. 8

Strategic Regional Wastewater Infrastructure Project – Glades Utility Authority, Belle Glade Wastewater Treatment Plant – WUD 10-062

Schematic Design Phase (30 Percent Design) (No 30% submittal as part of this CSA), items to be included with included with 60% submittal as applicable)

Requirements for 30 Percent Completed Schematic Design Report or Technical Memorandum Contents General

- ~~Process flow diagrams (detailed) and/or narratives. (N/A)~~
- Flow stream IDS, legends, abbreviations.
- Hydraulic profiles and/or hydraulic computations. (As applicable for the study performed)
- Justification for equipment and main sizing. Preliminary equipment list/data sheets for major equipment. (This does not include County specified items)
- ~~Preliminary site plan(s). Preliminary building plans showing rooms and major equipment. (N/A)~~
- ~~Preliminary building elevations. (N/A)~~
- ~~Preliminary control system block diagram sketch and control philosophy. (N/A)~~
- Structural design concepts.
- ~~Geotechnical report and final foundation design recommendations. (N/A)~~
- Electrical/communications/security design concepts.
- ~~Preliminary construction cost estimate. (N/A)~~
- ~~Revised engineering cost estimate (if required). (N/A)~~
- Materials selection.
- Documentation of all workshops and major decisions.

Requirements for 30 Percent Schematic Drawing Deliverable Components Site Civil Conveyance Site Survey

- Set up base mapping in CADD system and confirm the site coordinate system and datum. CADD system format should be in accordance with County AutoCAD standards to facilitate compliance as the design is developed. (AECOM Standard Format)
- Modify mapping to include site utilities and piping taken from record drawings or field investigations.
- ~~Delineate environmentally sensitive areas such as wetlands and hazardous waste areas. (N/A)~~
- Record boring locations on drawings. (Soft digs will be performed after 60% submittal)

Site Development Constraints

- ~~Determine zoning and local site development requirements. (N/A)~~
- ~~Determine the limits of the flood plain and evaluate project impacts. (N/A)~~
- ~~Determine stormwater management and erosion control requirements and feasible management options. (N/A)~~
- ~~Determine the adequacy of downstream receiving channels/streams. (N/A)~~

Vehicular Requirements

- ~~Determine traffic generation, access routes, and maneuvering requirements for project construction vehicles and emergency vehicles. (N/A)~~
- ~~Determine number and type of parking spaces for new facilities. (N/A)~~
- ~~Determine availability of staging areas. (N/A)~~
- ~~Observe existing pavement condition, determine pavement requirements, and recommend improvements. (N/A)~~

Underground Utilities

- Develop the location of proposed piping and underground utilities. No profile information is required at this stage.
- Show main sizes. Show valve and major appurtenance locations.
- Determine the extent of utility relocations and anticipated conflicts.
- Show baseline with survey control (No horizontal survey performed)
- Show survey datum (Vertical datum only)
- ~~All projects are to be completed in Florida State Plane coordinate geometry. (N/A)~~

Schematic Site Plan or Drawings

- ~~Delineate the boundaries of site constraints based on legal, master plan, environmental, and regulatory restrictions. (N/A)~~
- ~~Evaluate alternative layouts for adverse impacts and cost implications. (N/A)~~
- Develop a conceptual layout for proposed new buildings, structures, roads, and proposed utilities.

Schematic Drawing Deliverables-Mechanical Process Flow Diagram.

- Show valve and gate locations (manual and powered).
- Define packaged control panels and adjustable-speed drives.

Process Control Philosophy

- Develop an overall control philosophy, including local control, control system, level of automation, and supervisory control.
- Select flowmeters and other process control devices.

Major Process Equipment

- Establish level of redundancy required for all pumping equipment. (Sodium hypochlorite system only)
- ~~Review capacity and condition of all existing pumping equipment to remain in service where appropriate. (N/A)~~
- ~~Assign capacity to existing pumping system. (N/A)~~
- ~~Select and size all major pumps and prepare sizing calculations. (N/A)~~
- ~~Prepare equipment list with sizing for major pumping equipment and preliminary equipment data sheets. (N/A)~~
- Provide process equipment motor voltage and horsepower requirements to the electrical engineer. (Information to be provided by County)
- Determine FPL supply constraints and existing conditions. (For dual transformer feed to the west generator building only as part of the study)

Schematic Layout

- Prepare preliminary sketches for equipment arrangements.
- Prepare preliminary hydraulic profile, if appropriate. (As included in hydraulic review study only)

Schematic Design Report

- ~~Discussion of alternatives. (N/A)~~
- ~~Document all design criteria. (N/A)~~
- ~~Major pumping equipment list. (N/A)~~
- ~~Provide unit process and process building layout sketches and hydraulic profile. (N/A)~~

(The items above under schematic design report will be conducted per technical memorandum per Exhibit A scope only)

Construction Cost Estimating-Consultant Contracts Standard Language for Schematic Design Phase
~~The consultant shall provide information that will be utilized by the County and to prepare a construction cost estimate for the project. The information provided will be adequate for preparation of an order of magnitude estimate, as defined by the American Association of Cost Engineers (AACE). An estimate of this type is normally expected to be accurate within plus 50 percent to minus 30 percent of the estimated cost. The consultant will provide the information in a standard Microsoft Excel format. (N/A)~~

Electrical and Instrumentation

- Provide single line drawings
- Provide Process Instrumentation diagram

Design Development Phase Deliverables (60-Percent

Design) During the design development phase, a single concept is selected from the available

alternatives. The conceptual design is refined and confirmed, and all major design decisions are made by the consultant and County through workshops or other means. Concepts developed and approved during the Schematic Design Phase are considered fixed. Changes to these concepts may constitute additional scope of work and may require a change of scope.

In general, during this phase of the CSA, the consultant will be expected to:

- Finalize all major design decisions.
- Freeze process design project size, quantities, and flows, etc.
- Provide sufficient design detail to convey the design intent to the County.
- Prepare all necessary information for Construction Document Preparation Phase.

Design Development Phase 60 Percent Package (Typical)-General

- Provide general notes, abbreviations etc. on drawings
- Flow stream, legends, abbreviations final hydraulic profiles, if appropriate
- Completed P&IDs Control system block diagram
- Equipment list site/civil and site utility plans
- Preliminary electrical one-lines
- ~~Building floor plans/elevations/major sections (N/A)~~
- ~~Exterior renderings/isometries (N/A)~~
- Updated construction quantity estimate
- First draft of specifications
- Drawing list for construction documents
- Documentation of all workshops and major decisions
- Checked calculations
- Provide acceptable site location map

Design Development Phase 60 Percent Drawings-Site Civil/Conveyance

Preliminary Site Plan or Drawings

- ~~Develop preliminary layouts and set up overall survey control and boundary. (N/A)~~
- Establish horizontal and vertical locations of major facilities (utility profiles).
- ~~Locate contractor staging areas. (N/A)~~
- Identify access control, fencing, and security arrangements. (At entrance gate location only)

Access Design

- ~~Determine traffic generation and parking requirements. (N/A)~~
- ~~Develop road layout for access to all buildings and structures. (N/A)~~

Site Grading

- ~~Prepare preliminary site grading drawings. (N/A)~~

- ~~Set building and structure elevations. (N/A)~~

Site Drainage

- ~~Show storm water control concepts (e.g., swales, curb, and gutter) on the design development drawings. (N/A)~~
- ~~Determine 100-year flood elevation and building pad elevations. (N/A)~~

Utilities

- ~~Provide calculations for piping capacity/size. (N/A)~~
- Develop plan and profile drawings with major piping and utilities.
- Lay out electrical power and communications duct banks.
- Develop corridors for smaller piping and other utilities.
- Locate and confirm all potential underground conflicts for potholing.
- ~~Show fire hydrant locations and label (N/A)~~
- ~~Show sample point locations and label (N/A)~~

General Coordination

- ~~Coordinate handicap requirements with architectural discipline and local site plan regulations. (N/A)~~
- Confirm final drawing list.

Specifications

- Finalize specifications list including contract document "front ends". Specifications are to be project specific. (Front ends to be provided by the County)

Project Permitting

- ~~Meet with or contact governing regulatory agency(ies) to determine permitting requirements. (N/A)~~
- ~~Identify permitting issues and application criteria and inform County of: (N/A)~~
- ~~Related requirements (N/A)~~
- ~~Permit fees (N/A)~~

Design Development 60 Percent Phase Drawings-Mechanical

Hydraulic Profile (if appropriate)

Finalize the hydraulic profile for all major gravity process pipelines and hydraulic structures. (Only as part of the structures included in the hydraulic study evaluation as outlined in Exhibit A)

Preliminary Process Layout

- Finalize mechanical portion of P&ID.
- Verify that mechanical equipment and piping model matches P&ID.
- Size control valves.
- ~~Determine equipment support utilities (i.e., air, seal water, lifting equipment, odor control, and noise control, etc.). (N/A)~~
- Verify adequate installation and maintenance space around equipment. (Sodium Hypochlorite system and new VFDs only)

Equipment Selection List (Sodium Hypochlorite System Only)

- Complete the equipment and process design calculations.
- Complete equipment data sheets or equipment list on all major pumping equipment items.
- Finalize pumping equipment sizing and line sizing calculations.
- Finalize pumping equipment selection (e.g., type, size, weight, and arrangement).
- Assemble catalog cuts for all major pumping equipment.
- Select piping materials.
- Select valve types.

Process Narrative Memo

- ~~Update the control narrative for pumping systems. (N/A)~~

Preliminary Mechanical Drawings

- ~~Develop mechanical model including equipment, piping, and control panels. (N/A)~~
- Confirm final design drawing list.
- Check for physical conflicts.
- Review arrangement with construction reviewer.

Project Permitting

- ~~Meet with or contact governing regulatory agency(ies) to determine permitting requirements. (N/A)~~
- ~~Identify permitting issues and application criteria. (N/A)~~

Electrical and Instrumentation

- Update single line drawings
- Provide electrical site drawings
- Conduits and ductbacks
- Panelboards
- Electrical schematics
- Update process instrumentation diagram
- Provide loop drawings if applicable

Construction Cost Estimating-Consultant Contracts Standard Language for Design

Development Phase The consultant shall provide information that will be utilized by the County and to prepare an updated construction cost estimate for the project. The information provided shall be adequate for preparation of a budget estimate, as defined by the AACE. An estimate of this type is normally expected to be accurate within plus 30 percent to minus 15 percent of the estimated cost. The consultant will prepare estimates for all major construction quantities and vendor quotes for all equipment. The consultant will provide the information in a standard Microsoft Excel format².

4.5 Contract Document Preparation Phase Deliverables

(90 Percent and Final Design) At the construction document preparation phase, all major County decisions have been made, and the work of previous phases is considered fixed. Changes from concepts already approved may constitute additional scope of work. Design plans, specifications, and supporting calculations are prepared to define the planned work for bidding and construction. ~~Drawings must be in complete compliance with the County's Cad standards. The three two major deliverables for this phase include the QC/County review documents, permitting documents, and the 100 percent complete bid-ready documents. The QC/County review documents and permitting documents are pre-final and complete with the exception of minor changes resulting from compliance with review comments. These documents should be considered biddable before they are submitted to the QC reviewers and the County. County reviewers will be identified at the startup of a particular project. Finalizing documentation to support permit applications is often completed during this phase and too many projects permitting processes can and should be initiated. Additional external deliverables may include a construction schedule and project delivery analysis if required by the contract/CSA. The 100 percent design is a complete bid-ready package for reproduction (by the County) and contractor pickup. In general, during this phase of the CSA, the consultant will be expected to: Prepare bidding documents, including legal and general requirements. Prepare final construction drawings and specifications. Specific requirements regarding the deliverables for the Construction Document Preparation Phase follow.~~

4.5.1 Construction Document Preparation Phase 90 Percent Drawings

Mechanical

Piping Layout

- Prepare any remaining small yard piping.
- ~~Prepare final model of major process piping. (N/A)~~
- Show pipe and duct sizes and elevations (centerline or invert).
- Label all underground piping conflicts bottom elevation of top pipe and top elevation of bottom pipe.

Mechanical Floor Plans (Sodium Hypochlorite system only)

- Finalize process plans.
- Develop process sections.

- Locate all equipment on plans.

Sections and Details

- Prepare standard details.
- Annotate mechanical sections and details.

Specifications

- Finalize equipment specifications and schedules.
- Coordinate equipment specifications with painting, package control system, and electric motor specifications.
- Coordinate related specifications.

Final Design Drawings

- Check all pipes entering and leaving a facility and confirm that they are correctly shown on the yard piping drawings and are consistent with the process drawings.
- Check the size, designation, location, destination, and elevation.
- Label all underground piping conflicts bottom elevation of top pipe and top elevation of bottom pipe.
- Check equipment and instrumentation numbers on piping plans with final P&ID.
- Check flow schemes for process piping with the flow schemes shown on the P&ID.
- Check all piping for the following:
 - Verify all flow stream with the legend and the pipe schedule.
 - Verify that pipe sizes and elevations are consistent among drawings.
 - Check for correct wall-penetration details.
 - Check pipe supports and support anchoring.
 - Coordinate pipe supports with electrical supports.
 - Confirm that pipe schedule test pressures and materials are proper for the intended service.
 - Check thrust restraint and indicate lengths on drawing.
 - Verify that clearances allow the piping and appurtenances to be installed and serviced.
 - Verify that distances between buried pipes and clearances from walls are acceptable for proper compaction and installation.
 - Call out valve sizes and numbers.
 - Verify that each valve type is proper and is specified.
 - Confirm that the valve material and pressure rating match the piping rating.
 - Confirm that operator clearance and access is provided.
 - Verify that operators are correctly specified and that what type of operator goes with each valve is clear. Determine that there is adequate cover or clearance for operator.
 - Verify there is power to all electric valves and other electrical components.

- Confirm control signal requirements for valves with I&C and electrical disciplines.
- Confirm specified conditions and fail positions for power-operated units.
- Verify that miscellaneous devices shown on the drawings are specified. Such devices include quick-connects, hoses, nozzles, small valves, strainers, fabricated metal items, and anchors.
- Verify that titles and numbers used on the drawings are consistent with those in the specifications.
- Confirm that I&C primary elements are located on the process mechanical plans and that instrument locations and ranges are appropriate for the intended use.
- Verify that all pumps and other equipment, valves, instrument sensors, and panels are properly identified on the process mechanical sheets.
- Verify that the identification is the same as on the P&IDs and in the specifications.
- Verify that there is sufficient room for moving equipment in and out.
- Verify that there is sufficient access to all equipment.
- Verify that all valve actuators can be accessed.
- Where hatches are shown, confirm that their size and location will allow equipment removal.
- Verify that noise attenuation has been provided, if necessary.
- Verify, where necessary, that equipment is explosion-proof or nonsparking and coordinate with electrical lead. Check for physical conflicts.
- Check mechanical drawings for coordination with other disciplines, including: - Piping conflicts with structure. - Access around and near equipment. - Piping conflicts with HVAC equipment. - Floor drain locations near equipment. - Piping, roof drains, or HVAC ducts over electrical equipment.
- Verify that equipment specifications have been coordinated with I&C and electrical where applicable.

Electrical and Instrumentation

- Update single line drawings
- Provide electrical site drawings
- Conduits and ductbacks
- Panelboards
- Electrical schematics
- Electrical details
- Update process instrumentation diagram
- Provide loop drawings if applicable
- Instrumentation details

Project Permitting

- ~~Prepare permit applications for signature by County and prepare all supporting documentation. (N/A)~~
- Address all RFIs once permit applications have been processed. Design fix-up, as required by specific permitting requirements. (N/A)
- ~~Adjudicate all QC and County comments received. If adjudication cannot be achieved, obtain assistance from the program design manager. (N/A)~~
- ~~Respond in writing to all major review comments. (N/A)~~

Construction Document Preparation Phase 90 Percent Drawings-Site Civil Plans

- ~~Finalize site layout, including road layout, building locations, and overall grading. Provide coordinates or layout dimensions for new facilities. (N/A)~~
- Finalize pavement geometry and horizontal and vertical alignments. (N/A)
- Provide fencing, gates, security, and access control. (Entrance access gate only)
- ~~Finalize roadway pavement design, sections, and details. (N/A)~~
- ~~Locate sidewalks and door pads. (N/A)~~
- Prepare site demolition plans.
- ~~Finalize grading and add spot elevations. (N/A)~~
- ~~Coordinate with architectural discipline for grades at building entrances. (N/A)~~

Utility Drawings

- Finalize horizontal and vertical alignment of utility piping.
- Develop final standard and specialized details.
- Prepare structure schedules (manhole and inverts, inlets, etc.).
- Check for physical conflicts.
- Verify that information on the plans is sufficient for locating the proposed facilities.
- ~~Verify that access provisions shown on the site drawings, such as sidewalks and driveways, are suitable for the facilities. (N/A)~~
- ~~Check the grade at each facility and coordinate grade elevation with doorways, sidewalks, handrails, pipe covers, and driveways. (N/A)~~
- Coordinate interfaces with existing piping and other utilities.
- Coordinate site civil, electrical, and utility design plans.
- Identify and resolve conflicts.
- ~~Check that the contractor's staging area is adequate. (N/A)~~

Permitting

- ~~Prepare permit applications for signature by County and prepare all supporting documentation. (N/A)~~
- ~~Prepare all design calculations, as required by specific permitting requirements. (N/A)~~

- ~~Address all RFIs once permit applications have been processed. (N/A)~~

Specifications

- ~~Prepare front end documents and bid schedule.~~
- Finalize specifications and schedules.
- Final contract document to be delivered in master copy form for reproduction and copies, as required by the specific CSA.

Design Fixup

- Adjudicate all QC and County comments received.
- Respond in writing to all major review comments.
- Incorporate accepted comments and coordinate with other affected design elements.

Construction Cost Estimating-Consultant Contracts Standard Language for Construction Document Preparation Phase The consultant shall provide information that will be utilized by the County and to prepare an updated construction cost estimate for the project. The information provided shall be adequate for preparation of a definitive estimate, as defined by the AACE. An estimate of this type is normally expected to be accurate within plus 15 percent to minus 5 percent of the estimated cost. The consultant will prepare updated estimates for all major construction quantities and updated vendor quotes for all equipment. The consultant will provide the information in a standard Microsoft Excel format.

ATTACHMENT D

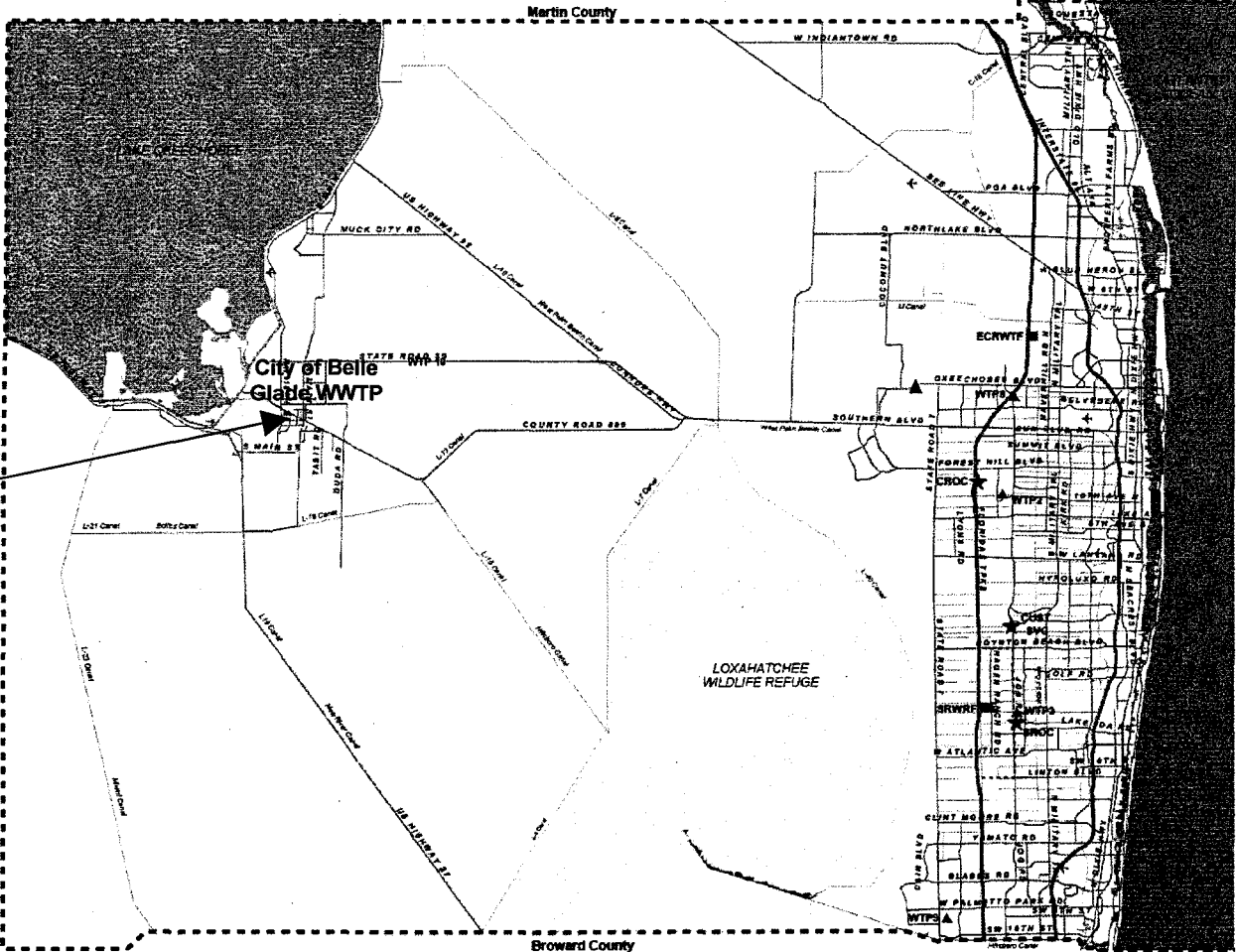
Location Map



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

**Project
Location**

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



**Strategic Regional Wastewater Infrastructure Project – Glades Utility
Authority, Belle Glade Wastewater Treatment Plant – Project No.
WUD 10-062**

EXHIBIT - B
 AUTHORIZATION STATUS REPORT
 COLLECTION AND DISTRIBUTION SYSTEM CONSULTING SERVICES
 SUMMARY AND STATUS OF
 REQUESTS FOR AUTHORIZATIONS

Auth. No.	Description	Status	Project Total Amount	Date Approved	WUD No. Assigned	AECOM Project No.
1	Village of Royal Palm Flow Capacity Assessment	In progress	\$35,952.00	10/22/08	WUD_08-074	17309.01
2	Pahocee WM Replacement – Elm, Flame and Greenstar Area and a Portion of Morgan Road	Dead	\$0			
3	Pahocee Infiltration and Inflow Study	Completed	\$69,988.40	11/19/08	WUD 08-085	60093801
4	Canal Point Electrical Details	Completed	\$4,400.00	1/20/09	WUD 06-179	60098015
5	Acreage Water Service Conceptual Plan –Phase I	In progress	\$48,448.00	8/21/09	WUD 09-071	69102081
6	WTP 11 Pilot Study - WUD 10-048	In progress	\$58,160.00	6/9/10	WUD 10-048	60160195
7	Strategic Regional Wastewater Infrastructure Project – Sewage Collection – City of Belle Glade, FL WUD 10-062	In progress	\$98,155.00	9/8/10	WUD 10-062	
8	Strategic Regional Wastewater Infrastructure Project – Glades Utility Authority, Belle Glade Wastewater Treatment Plant - WUD 10-062	Pending	\$183,384.00		WUD 10-062	
Total			\$498,487.40			

EXHIBIT - C
AUTHORIZATION STATUS REPORT
COLLECTION AND DISTRIBUTION SYSTEM CONSULTING SERVICES
SUMMARY OF
SMALL BUSINESS TRACKING SYSTEM

	Total	SBE
Current Proposal		
Value of Authorization No.	\$183,384.00	
Value of M/WBE Letters of Intent	\$57,500.00	\$57,500.00
Actual Percentage	31.35%	31.35%
Signed / Approved Authorizations		
Total Value of Authorizations	\$315,103.40	
Total Value of M/WBE Signed Subcontracts	\$92,203.00	\$92,203.00
Actual Percentage	29.26%	29.26%
Approved Authorizations Plus Current Proposal		
Total Value of Authorizations	\$498,487.40	
Total Value of Subcontracts & Letters of Intent	\$149,703.00	\$140,703.00
Actual Percentage	30.03%	30.03%
GOAL	30%	