

**PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS**

**AGENDA ITEM SUMMARY**

=====

Meeting Date: <b>September 12, 2006</b>	Consent <input checked="" type="checkbox"/> [X]	Regular <input type="checkbox"/> [ ]
	Public Hearing <input type="checkbox"/> [ ]	

Submitted For:      **Water Utilities Department**

=====

**I. EXECUTIVE BRIEF**

**Motion and Title:** **Staff recommends motion to approve:** Consultant Services Authorization No. 21 to the Contract with Mathews Consulting, Inc. (R2005-0777) for design, permitting, and bidding services for the Lift Station Rehabilitation Project in the amount of \$201,235.50.

**Summary:** Consultant Services Authorization No. 21 with Mathews Consulting, Inc. provides engineering services to upgrade and rehabilitate six (6) existing wastewater lift stations. The work will address conversion of dry-can type lift stations to submersible stations, upgrade of pumping and mechanical equipment, structural rehabilitation, and electrical improvements. The contract with Mathews Consulting, Inc. includes the Small Business Enterprises (SBE) participation goal of 55%, which exceeds the 15% goal established by Palm Beach County Ordinance (No. 2002-064). This Consultant Services Authorization includes 99.50% overall participation. The consultant's cumulative SBE participation, including this Authorization is 57.94% overall.

(WUD Project No. 06-164A)

System-wide

(MJ)

**Background and Justification:** On April 19, 2005, the Board approved a contract for professional consulting engineering services with Mathews Consulting, Inc., (R2005-0777) to provide General Engineering Services. This Authorization provides survey, engineering design, permitting, and bidding services to rehabilitate and upgrade six existing wastewater lift stations.

**Attachments:**

1. Location Map
2. Two (2) Original Authorization No. 21

Recommended By: \_\_\_\_\_  8/10/06  
**Department Director** **Date**

Approved By: \_\_\_\_\_  8/24/06  
**Assistant County Administrator** **Date**

## II. FISCAL IMPACT ANALYSIS

**A. Five Year Summary of Fiscal Impact:**

Fiscal Years	2006	2007	2008	2009	2010
Capital Expenditures	<u>\$201,235.50</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>
Operating Expenses	<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>\$201,235.50</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 W006 Object 6546

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 from the user fees, connection fees and balance brought forward.

C. Department Fiscal Review: Guy Egghartson

### III. REVIEW COMMENTS

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

Elizabeth Bloesh 8/15/06  
OFMB [initials]

*[Signature]*  
Contract Development and Control 8/16/06

**B. Legal sufficiency:**

Legal sufficiency:

*[Signature]* 8/24/04

Assistant County Attorney

**This item complies with current County policies.**

**C. Other Department Review:**

Department Director

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

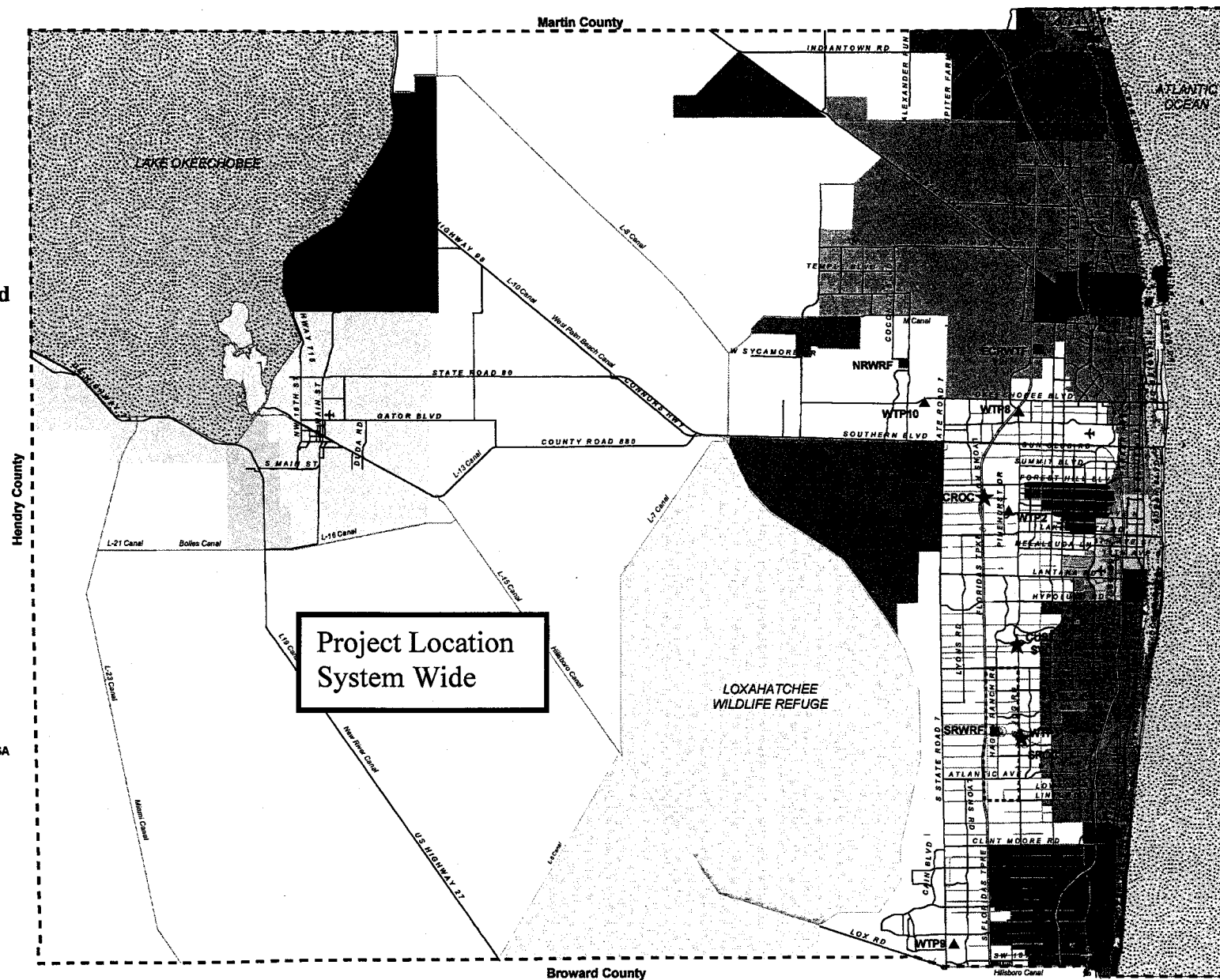


**Palm Beach County  
Water Utilities  
Department  
Service Area (SA) and  
Major Facilities**

**Attachment 1**

**Legend**

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



CONSULTANT SERVICES AUTHORIZATION NO. 21

Project No. WUD 06-164A  
Budget Line Item No. 4011-721-W006-6546

Project Title Wastewater Lift Station Rehabilitation Project

District No.: Districts 1, 2, 3, 5 and 6

THIS AUTHORIZATION # 21 to the Contract for Consulting/Professional Services dated April 19, 2005 with an effective date of June 1, 2005 (Resolution/Document R-2005-0777), 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 55% SBE participation overall. This Consultant Services Authorization includes 99.50% overall participation. The cumulative SBE participation, including this authorization is 57.94% overall. Additional authorizations will be utilized to meet or exceed the stated overall participation goal.

1. CONSULTANT: Mathews Consulting, Inc.
2. ADDRESS: 1475 Centrepark Blvd., Suite 250, West Palm Beach, Florida 33401
3. Description of Services to be provided by the Consultant:  
Provide Engineering Design, Permitting, and Bidding for county-wide lift station rehabilitation project.

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 \$ 201,235.50
7. This Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Consultant, the Consultant shall be compensated for all services performed through the date of termination, together with reimbursable expenses (if applicable) then due.

PROJECT NO. WUD 06-164A AUTHORIZATION NO. 21

**Budget Line Item No.** **4011-721-W006-6546**

8. EXCEPT AS HEREBY AMENDED, CHANGED OR MODIFIED, all other terms, conditions and obligations of the Contract dated April 19, 2005 with an effective date of June 1, 2005 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: MATHEWS CONSULTING, INC.

Signed: NYVC

Typed Name: Rene L. Mathews, P.E.

**Title:** President

Date: 11-10-06

**Tony Masilotti, Chairman**

ATTEST:

**Sharon R. Bock, Clerk & Comptroller**

**ATTEST:**

ATTEST:

Bruce J. Lundmark

(Deputy Clerk)

APPROVED AS TO FORM AND  
LEGAL SUFFICIENCY:

(County Attorney)

## **EXHIBIT A**

### **CONSULTANT SERVICE AUTHORIZATION NO. 21**

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

#### **SCOPE OF WORK Lift Station Rehabilitation Project**

### **INTRODUCTION**

Palm Beach County (COUNTY) entered into an agreement entitled Contract for Engineering/ Professional Services - Palm Beach County Water Utilities Department Project No. WUD 05-004 (CONTRACT) with Mathews Consulting, Inc. (MC or CONSULTANT) to provide engineering services for various general activities on April 19, 2005 with an effective date of June 1, 2005 (Reference Document R-2005-0777). This Consultant Service Authorization will be performed under that CONTRACT.

This Consultant Services Authorization encompasses providing engineering design, permitting, and bidding for the lift station rehabilitation project.

### **BACKGROUND**

Palm Beach County Water Utilities Department (PBCWUD) has six (6) lift stations in its service area which need rehabilitation work. The existing dry can lift stations will be converted to new submersible lift stations. The remaining stations require rehabilitation and improvements of various types including mechanical replacement of existing pumping units and associated equipment, structural rehabilitation work, and electrical improvements. Consultant services shall be used by the County to perform the necessary surveying, engineering design, permitting and bidding services that will allow implementation of the specified work. Construction oversight and start-up services will be provided by PBCWUD personnel.

### **SCOPE OF SERVICES**

The scope of work described herein is for CONSULTANT to provide design as per PBCWUD minimum engineering construction standards (May 1, 2006), permitting, and bidding services for the rehabilitation of six (6) lift stations located in southern and central Palm Beach County. The project will include the conversion of existing can-type lift stations to submersible type lift stations and shall include identified improvements required for said lift stations. Specifically, the CONSULTANT's engineering services shall include the following:

1. Lift Station No. 102 - includes the design of a new submersible lift station in the northeast or southeast corner of the designated easement, including new pumps valves, valve vault, control panel/RTU, and the design and permitting of a new permanent emergency generator.
2. Lift Station No. 348 - includes the conversion of the existing lift station to a new

submersible lift station complete with new pumps, piping, valves, valve vault, new control panel/RTU, and the design and permitting of a new permanent emergency generator.

3. Lift Station No. 5015 - includes the conversion of the existing lift station to a new submersible lift station completed with new pumps, piping, valves, valve vault, control panel, and RTU; design and permitting of a new permanent emergency generator, and design of a 3-stage scrubber system for odor control. Subtask includes investigation of diverting wastewater flow from LS 5195 to LS 5015 and the hydraulic constraints (if any) of the additional flow into LS 5015. Subtask also includes investigation of wiring the new generator to also serve LS 217. Results of the investigations shall be included with the 30% design report.
4. Lift Station No. 5195 - includes the design of new pump rails, force main down pipe, force main spool piece, and new control panel and RTU; and repair/coating of the existing wet well.
5. Lift Station No. 243 - includes the design of new pumps, base elbows, new control panel and RTU; design and permitting of a new permanent emergency generator, and the repair/coating of the existing wet well and valve vault.
6. Lift Station No. 312 - includes the conversion of the existing lift station to a new submersible lift station completed with new pumps, piping, valves, valve vault, control panel and RTU; design and permitting of a new permanent emergency generator, and the repair/coating of the existing wet well.

The design of the six lift stations will include civil, structural, mechanical, electrical, instrumentation, as required to produce a complete set of contract documents and specifications. Additionally, the design effort will include the preparation and submittal of all required support documentation to the regulatory agencies as listed specifically under Task 3.

#### **TASK 1 - Surveying**

CONSULTANT shall review and coordinate existing available PBCWUD information for all lift station sites to ensure adequate property area for construction and maintenance, and provide property easements (if required) and topographical surveys of existing sites as required to prepare complete base drawings of existing conditions for engineering design.

CONSULTANT shall review existing legal descriptions and sketches of easements as provided by PBCWUD, and prepare legal descriptions and sketches for new easements as required.

#### **TASK 2 - Design**

CONSULTANT shall prepare design documents consisting of preliminary drawings and outline specifications for the identified lift station improvement projects within the PBCWUD service area. CONSULTANT shall prepare preliminary mechanical, structural, electrical and instrumentation layout drawings and specifications for the facilities as well

as a preliminary cost opinion.

CONSULTANT shall conduct all geotechnical investigations necessary for structural design and/or improvements to identified lift stations.

CONSULTANT shall perform hydraulic analysis necessary for the design of new lift station pumps. Hydraulic modeling shall be limited to simple spreadsheet analysis. No detailed computer modeling is included. System pressures and pump requirements shall be confirmed with PBCWUD's in-house wastewater hydraulic model.

CONSULTANT shall evaluate the physical design of each wetwell and associated pumps for proper wetwell volume, pump cycle time, max. 5 starts per hour, etc. Should the existing wetwells not be adequate for the required pump design, a new wetwell shall be included with the design.

CONSULTANT shall design and permit new permanent emergency generator systems for Lift Station Nos. 102, 243, 312, 348, and 5015. All remaining lift stations w/ existing generators shall not be modified as part of this design effort.

The above drawings, specifications, design memorandum, and supporting documentation will be furnished to provide sufficient detail as a basis for a 30% and 60% design review by the County. CONSULTANT shall furnish four (4) copies of the design documents to the County for review. Upon completion of the 60% review, CONSULTANT shall proceed with the preparation of 90% completion design drawings, technical specifications and contract documents.

CONSULTANT shall provide four (4) copies of the 90% review sets, consisting of design drawings, specifications and contract documents as previously described above, for review and approval by the County.

CONSULTANT shall provide a detailed cost opinion at the 60% and 90% review submittal phases of the project based upon the review submittal design drawings and specifications as submitted to the County. The cost opinion shall reflect changes in general scope, extent or character incorporated during previous design reviews with County staff.

CONSULTANT shall prepare all drawings utilizing a CADD system.

CONSULTANT shall furnish with the 100% completion drawings, one set of CADD drawing files on CD media compatible with AUTOCAD Version 2004 or higher for use by COUNTY.

CONSULTANT shall conduct QA/QC design review of the Contract documents at the 60 and 90 percent submittal stages of the project. Design review shall be performed for the purpose of providing project document clarification, uniformity, and consistency. Design review shall also be conducted for the purpose of constructability.

CONSULTANT shall investigate the possibility of diverting wastewater flow from LS 5195 to LS 5015 and the hydraulic constraints (if any) of the additional flow into LS 5015. CONSULTANT shall also investigate wiring the new generator to also serve LS 217. It is assumed limited panel modifications would be required for LS 217. Extensive



electrical modifications to LS 217 are not included. Results of the investigations shall be included with the 30% design report.

### **TASK 3 - Permitting**

CONSULTANT shall prepare and submit, on behalf of the County, those permit applications to the Palm Beach County Health Department, Palm Beach County Land Development Division, and Florida Department of Transportation (FDOT), and Palm Beach County ERM pertaining to the following design improvements for said projects as may be applicable:

- ERM Permits for the storage of chemicals required for odor control scrubber systems;
- ERM Permits required for permanent emergency generator systems and associated fuel storage systems. (This task includes preliminary document submittal only. Final document submittal of shop drawings must be made by PBCWUD during construction).
- Work within or connecting to County and/or FDOT Rights-of-Way.
- Health Department Construction Permits for new lift station construction

All associated permit application filing fees shall be paid for by PBCWUD. This task does not include application or submittal of any permits through the Palm Beach County Building Department.

### **TASK 4 - Bidding**

CONSULTANT shall provide PBCWUD with two (2) sets of final design drawings, and specifications seven (7) business days prior to the date of Advertisement for Bid. Project advertisement and receiving and processing of deposits for bidding documents shall be performed by PBCWUD. The County shall maintain a record of prospective bidders to whom bidding documents have been issued.

CONSULTANT shall attend pre-bid conference and shall prepare addenda, for issuance by the County, as required for the two projects. CONSULTANT shall also provide supplemental information for clarification, as appropriate, to interpret, clarify or expand the bidding documents to all prospective bidders during the bid period.

### **Task 5 – Construction Services**

CONSULTANT shall provide the following services during construction:

- a. Provide three (3) site visits for each station during construction for electrical inspection/review. Provide one (1) site visit for each station during startup. Each site visit shall be assumed to be 4 hours in duration, plus travel time.
- b. CONSULTANT shall provide shop drawings review for all electrical and electronic equipment and components.

- c. PBCWUD will provide copies of all shop drawings to CONSULTANT in order to facilitate the field inspections during construction.

## **ASSUMPTIONS**

The following assumptions have been used by the CONSULTANT in the preparation of this Scope of Work:

1. The project will be designed, advertised, and bid as one (1) separate construction contract. PBCWUD will be responsible for packaging the documents with other documents prepared by WUD staff or by other consultants. The CONSULTANT will provide bidding assistance for two projects including the pre-bid conference.
2. PBCWUD will provide all flow data or flow projections for hydraulic modeling task. Flow data will not be verified by the CONSULTANT.
3. The CONSULTANT will use PBCWUD technical specifications for all work. PBCWUD specifications will be modified by the CONSULTANT, as necessary, to make the specifications project applicable. Additional technical specifications will be prepared for items not covered by PBCWUD Specifications.
4. The CONSULTANT will use PBCWUD standard detail in the design of the project as per PBCWUD minimum engineering and construction standards dated May 1, 2006.. Details will be modified by the CONSULTANT, as necessary, for project specific requirements. Additional details will be prepared by the CONSULTANT for items not covered by PBCWUD details.
5. PBCWUD will be responsible for all front end documents and assembly of Contract Document Project Manuals.
6. PBCWUD will provide copies of all lift station surveys in electronic Autocad 2005 format prepared by Brown and Phillips (if available), or any other surveyor, within the last 2 years.
7. PBCWUD will provide copies of all existing as-built drawings on the lift stations identified for structural improvements. Consultant shall field verify accuracy of as-built information.
8. PBCWUD will handle all public notification as required for each project. No time will be included in CONSULTANT budgets for public meetings.
9. No pump lifting equipment will be designed or provided for in the contract documents by the CONSULTANT.
10. All new permanent emergency generator installations shall be hospital grade sound attenuated with base-mounted fuel tanks. Manufacturers shall be same as specified for mobile emergency generator units in PBCWUD approved materials and equipment list, Page 4-44 of PBCWUD minimum engineering

construction standards (May 1, 2006).

11. The CONSULTANT will not be responsible for performing odor control analysis or modeling as required for lift station design. All documentation on scrubber design criteria and/or odor testing and evaluation data shall be provided by PBCWUD. The CONSULTANT assumes no responsibility for the adequacy of the existing odor control equipment. Design effort includes the design of straps to secure the existing odor control equipment.
12. Containment areas will be provided for odor control chemical areas where required by permit.
13. Based on on-site observations, Lift Stations 312 has what appears to be horizontal box culvert wet wells with either rectangular or circular risers to the surface. The riser is not large enough to install and retrieve submersible pumps with a standard lift-out rail arrangement. The scope of work includes the design of new riser for station 312. This scope of work assumes that the existing box is structurally sound - no forensic investigations or additional design are included in this scope of work.
14. Except as noted above, PBCWUD will provide all construction phase services including construction observations services, shop drawing reviews, preparation of record drawings, preparation of O&M Manuals, and final permitting as required upon completion of construction. The services provided by CONSULTANT during construction are minimal services. Final certification of construction completion shall be the responsibility of the County.
15. No dredge/fill, stormwater management or other permit application work beyond the standard "No Notice" Permit are anticipated as being necessary to perform the proposed work. No wetland jurisdictional evaluations are included in the Scope of Services.
16. PBCWUD will be responsible for acquisition and recording of all easements (including both permanent and temporary).
17. The scope of services for each lift station is based on the lift station CIP table provided by PBCWUD and the description of improvements contained in that table. Additional improvements required above and beyond those identified in the table may require additional engineering fees.

## **COMPENSATION**

COUNTY agrees to pay MC a fee of \$201,235.50 for the scope of services to be invoiced under the payment terms and conditions of the CONTRACT by the lump sum method of payment. An approximate breakdown of the fee is shown in Attachment A.

## **M/WBE PARTICIPATION**

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

**ATTACHMENT – A**

**Budget Summary**

**ATTACHMENT – B**

**Project Schedule**

**ATTACHMENT – C**

**M/WBE Schedules 1&2**

**ATTACHMENT – D**

**Location Map**

**ATTACHMENT A**  
**CSA#21 - Lift Station Rehabilitation Project**  
**Budget Summary for Mathews Consulting, Inc.**

Task No.	Task Description	Labor Classification and Hourly Rates								Sub-Consultant Services
		Principal \$43.00	Senior Engineer \$37.00	Engineer \$29.00	Senior Designer \$27.00	Resident Engineer \$32.00	Technician \$17.00	Technical Typist \$15.00	Total Labor	
1	<b>Surveying</b>									
	Coordination of Survey Work	10	20						\$1,170.00	
	Subconsultant - Dennis J. Leavy & Assoc.									\$11,625.00
	Subtotal Task 1	10	20	0	0	0	0	0	\$1,170.00	\$11,625.00
2	<b>Engineering Design</b>									
	Project Management	16	16						\$1,280.00	
	30% Desing Documents and Hydraulic Eval.	24	40		150				\$6,562.00	
	60% Design Documents	50	100	24	150			30	\$11,046.00	
	60% Cost Estimate	12	20	20				5	\$1,911.00	
	90% Design Documents	25	50	30	50			15	\$5,370.00	
	90% Cost Estimate	12	20	20				5	\$1,911.00	
	100% Design Documents	10	25	20	30			5	\$2,820.00	
	Subconsultant - Locates									\$3,000.00
	Subconsultant - Geotech									\$1,000.00
	Subconsultant - EDA									\$36,900.00
	Subtotal Task 2	149	271	114	380	0	0	60	\$30,900.00	\$40,900.00
3	<b>Permitting</b>									
	ERM Permitting	25	25						\$2,000.00	
	Health Department Permitting	40	40						\$3,200.00	
	Land Development/FDOT ROW Permitting		8						\$296.00	
	Subtotal Task 3	65	73	0	0	0	0	0	\$5,496.00	\$0.00
4	<b>Bidding</b>									
	General Bidding Services	24	12		12			6	\$1,890.00	
	Subconsultant - EDA									\$1,500.00
	Subtotal Task 4	24	12	0	12	0	0	6	\$1,890.00	\$1,500.00
5	<b>Construction Services</b>									
	Electrical Shop Drawing Review (EDA)									\$6,000.00
	Electrical Inspections (EDA)									\$14,400.00
	Subtotal Task 5	0	0	0	0	0	0	0	\$0.00	\$20,400.00
	<b>Labor Subtotal Hours</b>	248	376	114	392	0	0	66		\$74,425.00
	<b>Labor Raw Costs</b>	\$10,664	\$13,912	\$3,306	\$10,584	\$0	\$0	\$990	\$39,456.00	
	<b>Labor Multiplier</b>	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	
	<b>Labor Subtotal</b>	\$31,992	\$41,736	\$9,918	\$31,752	\$0	\$0	\$2,970	\$118,368.00	
	<b>Labor Total Costs</b>	\$118,368.00								
	<b>Subconsultant Costs Total</b>	\$74,425								
	<b>Subconsultant Multiplier</b>	1.1								
	<b>Subconsultant Total</b>	\$81,867.50								
	<b>Reimbursable Expenses</b>	\$1,000								
	<b>Project Total</b>	\$201,235.50								

## ATTACHMENT - B

### PROJECT SCHEDULE

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

Engineering Services Authorization	Completion Date From Date of Approval
Task 1 - Field Surveys	60 Days
Task 2a – 30% Design Submittal	90 Days
Task 2b - 60% Design Submittal	120 Days
Task 2c - 90% Design Submittal	150 Days
Task 2d - Final Bid Documents	165 Days
Task 3 – Permitting	180 days
Task 4 – Bidding	210 days
Task 5 – Construction Services	As required by construction schedule

Lift Station Rehabilitation Project

Palm Beach County

July 12, 2006

Description of Services																		
Lift Station No.	Mech Demo Only	Mech Full Design	Landscaping/Civil	Scrubber System	New Topo Survey	Modify Exist. Survey	Legal Descrip.	Geotech	ERM Chemicals	ERM Fuel Storage	Health Dept. Permit	County /FDOT ROW	Elec Demo Only	New FPL Service	Control Panel/RTU	Standby Generator	Scrubber System	Radio Survey
348		√	√			√	√				√			√	√	√		
5015		√	√	√	√				√	√	√				√	√	√	
312		√	√		√					√	√				√	√		
102		√	√		√			√		√	√				√	√		
243		√	√		√		√			√	√				√	√		
5195		√	√		√										√			

**ATTACHMENT C****SCHEDULE #1****LIST OF PROPOSED SBE-M/WBE PRIME/SUBCONTRACTORS**

PROJECT NAME: Wastewater Lift Station Rehabilitation Project PROJECT NUMBER: WUD 06-164A

NAME OF PRIME BIDDER: Mathews Consulting, Inc. ADDRESS: 1475 Centrepark Blvd., #250, West Palm Beach, FL 33401

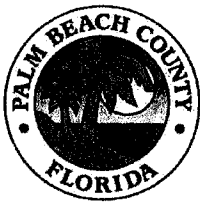
CONTACT PERSON: Rene L. Mathews PHONE NO. 561-478-7961 FAX NO. 561-478-7964

BID OPENING DATE: N/A DEPARTMENT Water Utilities

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)
Mathews Consulting, Inc. 1475 Centrepark Blvd., Ste. 250 West Palm Beach, FL 33401	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$	\$	\$ 126,810.50	\$	\$
Electrical Design Associates 4733 W. Atlantic Ave. Suite 12C Delray Beach, FL 33445	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	\$	\$	\$ 58,800.00	\$	\$
Dennis J. Leavy & Assoc. 460 Business Park Way, Suite D Royal Palm Beach, FL 33411	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$	\$	\$	11,625.00	\$
Ground Hound 2930 NW Commerce Park Drive #1 Boynton Beach, FL 33426	<input type="checkbox"/>	<input checked="" type="checkbox"/>	\$	\$	\$	\$ 3,000.00	\$
	<input type="checkbox"/>	<input type="checkbox"/>	\$	\$		\$	\$
PRIME CONTRACTOR TO COMPLETE:	TOTAL		\$ -	\$ -	\$ 185,610.50	\$ 14,625.00	\$ -
BID PRICE: <u>\$201,235.50</u>	Total Value of SBE Participation:		<u>\$ 200,235.50</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.





Office of  
Small Business Assistance  
50 S. Military Trail, Suite 209  
West Palm Beach, FL 33415  
(561) 616-6840  
Fax: (561) 616-6850  
www.pbcgov.com

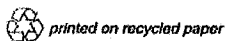
**Palm Beach County  
Board of County  
Commissioners**

Karen T. Marcus, Chair  
Tony Masilotti, Vice Chairman

Jeff Koons  
Warren H. Newell  
Mary McCarty  
Burt Aaronson  
Addie L. Greene

**County Administrator**  
Robert Weisman

"An Equal Opportunity  
Affirmative Action Employer"



August 9, 2004

Certification Date: 08/09/2004 - 08/09/2007

Vendor Code: MATH 0012

SERVICES: Engineering Services

Mathews Consulting, Inc.  
1475 Centrepark Boulevard, Suite 250  
West Palm Beach, FL 33401

Attn: Rene L. Mathews

The Palm Beach County Office of Small Business Assistance has completed its review of the documents you submitted for renewal of your firm's certification and is pleased to announce that your firm has been certified as a Small/Womens Business Enterprise (S/WBE) for three (3) years.

Your firm shall be subject to the provisions of the Palm Beach County Purchasing Ordinance and all State and Federal laws relating to the transaction of business.

This certification entitles you to participate in contracting opportunities when the products and services offered by your firm are being considered for bid. As an additional service to your firm, you will be included in the Palm Beach County Directory of certified SBE firms. If you wish to have your firm's listing changed, please contact our office at (561) 616-6840.

Your company's certification is subject to periodic review to verify your continued eligibility. Any changes you report to the Purchasing Department must also be reported to OSBA. Your company name and vendor code must be the same in both departments. Failure to report changes in the status of your firm may result in your firm being decertified. Remember, whenever you respond to a County bid you must do so under the name of Mathews Consulting, Inc., with vendor code MATH0012.

Sincerely,

Vicki Hobbs  
Certification Technician

SCHEDULE 2

LETTER OF INTENT TO PERFORM AS AN SBE OR MWBE SUBCONTRACTOR

PROJECT NO. WUD 03-119A PROJECT NAME: Lift Station Rehab Project

TO: Mathews Consulting, 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: April 21, 2006 - April 20, 2009

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

Line Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
<u>1</u>	<u>Electrical Engineering</u>			<u>\$ 33,900.00</u>

at the following price  
\$

\$58,800.00

(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: \$

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

Electrical Design Assoc.  
(Print name of SBE-MWBE Subcontractor)

By: [Signature]  
(Signature)

Lillian Reyes / President  
(Print name/title of person executing on behalf of SBE-MWBE Subcontractor)

Date: 06-29-06

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

CERTIFIES THAT

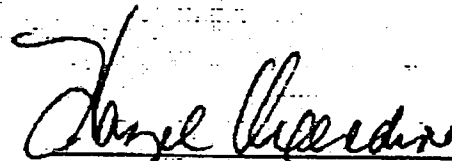
**ELECTRICAL DESIGN ASSOCIATES**

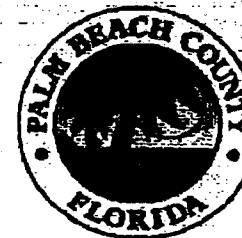
ENDORSE #VC00000831

is a Small/Minority Business Enterprise as prescribed by Section 2-80.21 - 2-80.24 of the Palm Beach County Code for a three year period from April 1, 2006 to April 30, 2009.

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

Electrical Engineers

  
Hazel Oxendine, Director



Palm Beach County Board of County Commissioners

Tony Maslotti, Chairman  
Addie L. Greene, Vice Chairperson  
Karen T. Marcus  
Jeff Roons  
Warren H. Newell  
Mary McCarty  
Burt Aaronson

County Administrator  
Robert Weissman

Deputy County Administrator  
Veronica C. Baker

## SCHEDULE 2

## LETTER OF INTENT TO PERFORM AS AN SBE OR MWBE SUBCONTRACTOR

PROJECT NO. WUD 03-119APROJECT NAME: Lift Station Rehab ProjectTO: Mathews Consulting, 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: 02 10 2004The undersigned is prepared to perform the following described work in connection with the above project  
(Specify in detail, particular work items or parts thereof to be performed):

Line Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
<u>1</u>	<u>Surveying</u>			<u>\$10,025.00</u>

at the following price

\$

\$11,625.00

(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: \$                     

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

Dennis J. Leavy, Assoc.  
(Print name of SBE-MWBE Subcontractor)By: [Signature]

(Signature)

Dennis J. Leavy / Pres.  
(Print name/title of person executing on behalf of SBE-MWBE Subcontractor)Date: 6.22.06



February 10, 2004

Certification Date: 2/10/2004 - 2/10/2007

Office of  
Small Business Assistance  
50 S. Military Trail, Suite 209  
West Palm Beach, FL 33415  
(561) 616-6840  
Fax: (561) 616-6850  
www.pbcgov.com

SERVICES: Mapping, Draftsman and CADD Services  
Surveying Services

Dennis J. Leavy & Associates, Inc.  
460 Business Park Way, Suite D  
Royal Palm Beach, FL 33411

Attn: Dennis J. Leavy

Palm Beach County  
Board of County  
Commissioners

Karen T. Marcus, Chair

Tony Mastiotti, Vice Chairman

Jeff Koons

Warren H. Newell

Mary McCarry

Burt Aaronson

Addie L. Greene

County Administrator

Robert Weisman

The Palm Beach County Office of Small Business Assistance has completed its review of the documents you submitted and is pleased to announce that your firm has been certified as a Small Business Enterprise (SBE) for three (3) years.

Your firm shall be subject to the provisions of the Palm Beach County Purchasing Ordinance and all State and Federal laws relating to the transaction of business.

This certification entitles you to participate in contracting opportunities when the products and services offered by your firm are being considered for bid. As an additional service to your firm, you will be included in the Palm Beach County Directory of certified SBE firms. If you wish to have your firm's listing changed, please contact our office at (561) 616-6840.

Your company's certification is subject to periodic review to verify your continued eligibility. You are required to notify us if at any time the minority status of your firm changes. Failure to report changes in the status of your firm may result in your firm being decertified.

Sincerely,

Patricia Wilhelm,  
Certification Specialist

"An Equal Opportunity  
Affirmative Action Employer"

printed on recycled paper

## SCHEDULE 2

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

PROJECT NO. WUD 03-119APROJECT NAME: Lift Station Rehab ProjectTO: Mathows Consulting, 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  
(Specify in detail, particular work items or parts thereof to be performed):

Line Item/Lot No.	Item Description	Qty/Units	Unit Price	Total Price
<u>1</u>	<u>Underground Locates</u>			<u>\$3,000.00</u>

at the following price

\$ \$ 3,000.00  
(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: \$ \_\_\_\_\_

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

Ground Hand

(Print name of SBE-M/WBE Subcontractor)

By: J. Willoughby

(Signature)

Jeremy Willoughby Area Manager

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

Date: 6/29/06

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

CERTIFIES THAT

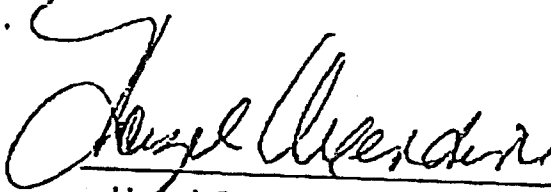
**GROUND HOUND DETECTION SERVICES, INC.**

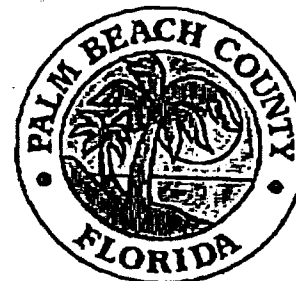
VENDOR #VC0000016424

*is a Small Business Enterprise as prescribed by Section 2-80.21 - 2-80.34 of the Palm Beach  
County Code for a three year period from April 19, 2005 to April 18, 2008.*

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

**Locating Underground Utility Lines Prior to Digging**

  
Hazel Oxendine, Director



**Palm Beach County Board of County Commissioner**

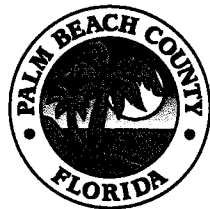
Tony Masilotti, Chairman  
Addie L. Greene, Vice Chairperson  
Karen T. Morris  
Jeff Korns  
Warren H. Newell  
Mary McCarty  
Burt Anderson

**County Administrator**

Robert Weisman

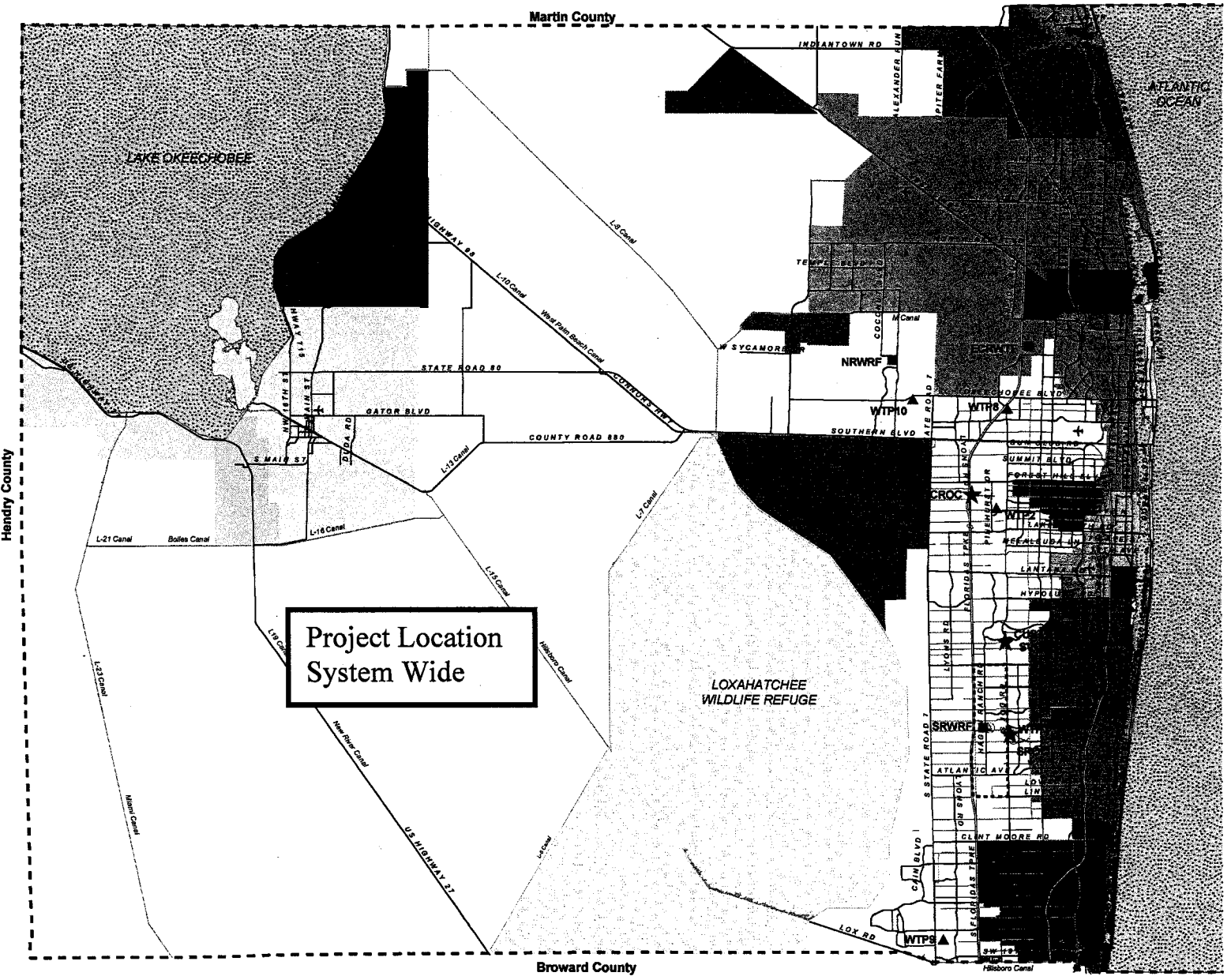
**Deputy County Administration**

Veronica C. Hickey



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

- Legend**
- P.B.C.W.U.D. SA
  - ..... MANDATORY RECLAIMED SA
  - - - Palm Beach County Limits
  - ★ Administration
  - Water Reclamation Facility
  - ▲ Water Treatment Facility
  - ④ Wetlands





## EXHIBIT – B

### AUTHORIZATION STATUS REPORT GENERAL UTILITY, ARCHITECTURAL AND VALUE ENGINEERING SERVICES

#### SUMMARY AND STATUS OF REQUESTS FOR AUTHORIZATIONS

Auth. No.	Description	Status	Project Total Amount	Date Approved	WUD No. Assigned	MC Project No.
1	Century Village Site Plan Processing	Approved	\$23,494	7-6-05	02-108	1316
2	WTP No. 8 Expansion Value Engineering	Approved	\$119,395	9-13-05	05-146	1320
3	BRP Rechlorination System Additional Services	Approved	\$27,489	7-27-05	04-125	1271
4	SRWRF / PS 5229 Additional CMS	Approved	\$37,824	8-10-05	01-028R	1227
5	Bulk Water and Wastewater Rate Analysis	Approved	\$46,200	8-24-05	05-183	1323
5.1	Bulk Water and Wastewater Rate Analysis Amend. 1	Approved	\$10,560	4-27-06	05-183	1323a
6	UPAP Manual Review	Approved	\$9,460	9-28-05	05-203	1329
7	Quadrant 4 Customer Account Field Audit	Approved	\$46,216	10-5-05	03-100	1331
8	WTP #8 BCC/ZC Development Order/Site Plan Amend.	Approved	\$16,727	11-9-05	05-146	1315a
9	La Mancha Avenue Pipeline Extension Project	Approved	\$98,385	12-20-05	04-125 (B)	1328
9.1	La Mancha Avenue Pipeline – Direction Drill Design	Approved	\$14,711	6-14-06	04-125 (B)	1328
10	General Utility Acquisition Services Phase II	Approved	\$49,500	11-9-05	05-073	1302a
10.1	General Utility Acquisition Services Phase II – Amend. 1	Approved	\$49,500	3-28-06	05-073	1302a
10.2	General Utility Acquisition Services Phase II – Amend. 2	Approved	\$49,500	6-15-06	05-073	1302b
11	40 <sup>th</sup> Street Rechlorination Facility Site Plan Variance	Approved	\$6,017	11-9-05	05-083	1304a
11.1	40 <sup>th</sup> Street Rechlorination Facility Stormwater Design Modification	Approved	\$4,492	6-14-06	05-083	1304b
12	BRP Utility Site Modifications	Approved	\$16,361	12-7-05	05-018	1282a
13	BRP Pipeline Extension Modifications	Approved	\$11,960	12-14-05	05-018	1312c
14	Lake Region WTP Site Plan Amendment	Approved	\$3,312	12-20-05	05-082	1303a
15	Lake Region WTP Construction Management Services	Approved	\$43,247	1-4-06	03-069	1338
15.1	Lake Region WTP CMS Additional Services – Amend. 1	Approved	\$27,132	5-24-06	03-069	1338
16	Royal Palm Beach Wastewater Pump Station	Approved	\$464,381	2-28-06	06-050	1342
17	Due Diligence Study for RPB W & WW Utility System	Approved	\$224,230	2-7-06	06-051	1340
17.1	Royal Palm Beach Acquisition Legal Services	Approved	\$249,319.90	5-2-06	06-051	1340a
18	Century Village Reclaimed Water System VE	Approved	\$24,535	3-6-06	02-108	1348
19	Membrane Treatment Operations Optimization	Approved	\$26,628	3-6-06	06-070	1352
20	BRP Pipeline Extension CMS	Approved	\$49,554	4-3-06	05-018	1312d
21	Lift Station Rehabilitation Project	Pending	\$201,235.50		03-119A	
22	Financial Review for Engineer's Report 2006 Bond Issue	Approved	\$15,620	4-27-06	06-090	1357
23	Water Quality Complaint Investigation	Approved	\$10,670	5-3-06	06-095	1360
24	AWWA-RF Tailored Collaboration	Approved	\$55,000	5-10-06	06-096	1361
25	WTP ROW Abandonment	Approved	\$9,350	5-3-06	06-097	1359
26	Century Village Reclaimed Water Production CMS	Approved	\$70,290	6-7-06	02-108	
27	North County Water Planning Strategy	Approved	\$10,560	5-24-06	06-120	1364
28	Customer Service Center HVAC Review	Approved	\$698	5-24-06	06-112	1358
29	Comprehensive Rate Study	Approved	\$141,460	7-11-06	06-136	
30	Filter Evaluation for WTP 2 & 8	Pending	\$5,743.40		06-152	
31	RPB GIS Data Conversion	Pending	\$28,321.62		06-124	
<b>Total</b>			<b>\$2,299,078.42</b>			

## EXHIBIT – C

### AUTHORIZATION STATUS REPORT GENERAL UTILITY, ARCHITECTURAL AND VALUE ENGINEERING SERVICES

#### SUMMARY OF SMALL BUSINESS TRACKING SYSTEM

Total	
<b>Current Proposal</b>	
Value of Authorization No. 21	\$201,235.50
Value of SBE Letters of Intent	\$200,235.50
Actual Percentage	99.50%
<b>Signed Authorizations</b>	
Total Value of Authorizations	\$2,063,777.90
Total Value of SBE Signed Subcontracts	\$1,112,273.45
Actual Percentage	53.89%
<b>Signed Authorizations Plus Current Proposal</b>	
Total Value of Authorizations	\$2,265,013.40
Total Value of Subcontracts & Letters of Intent	\$1,312,508.95
Actual Percentage	57.94%
<b>GOAL</b>	<b>55%</b>