

CONSULTANT SERVICES AUTHORIZATION NO. 10

**Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
General Utility, Architectural and Value Engineering Services
Resolution # R2017-0815 Contract Dated June 20, 2017**

Project Title: Repump Station No. 8310 Upgrades and Improvements

WUD Project No.: 18-064

Consultant: Baxter & Woodman, Inc.

Address: 477 S. Rosemary Ave., Suite 330, West Palm Beach, Florida 33401

Budget Line Item No. 4001-720-2323-3120

District No.: 6

This Consultant Services Authorization provides for: Baxter & Woodman, Inc. will provide engineering services including, but not limited to, project management, data collection, engineering design, permitting, and bidding services for the Repump Station 8310 Upgrades and Improvements project.

(See ATTACHMENT A for detailed scope of services)

The Contract provides for 26% SBE participation. This Consultant Services Authorization includes 32.31% overall participation. The cumulative SBE participation, including this authorization is 29.96%.

1. Services completed by the Consultant to date :

See ATTACHMENT B.

2. Consultant shall begin work upon receipt of Notice to Proceed correspondence.

3. 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 \$ _____

B. Fixed price of \$ 170,472.92

C. Total \$ 170,472.92

4. 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.

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5. SBE participation is included in **ATTACHMENT C** under this Authorization. The attached Schedule 1 defines the SBE applied to this Authorization and Schedule 2 establishes the SBE contribution from each Sub-Consultant (Letter of Intent).
6. This Authorization does not amend, change, or modify the Contract dated June 20, 2017 which remains in full force and effect.
7. All Attachments to this Authorization are incorporated herein and made a part of this Consultant Services Authorization.

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

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

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

Palm Beach County, Board
of County Commissioners

Signed: _____

Signed: _____

CAM

Dave Kerner, Mayor

JCS

Typed Name: _____
Deputy Clerk

_____ Date

Approved as to Form and Legal
Sufficiency

CONSULTANT: Baxter & Woodman, Inc.

Signed: _____

(Signature)

Typed Name: _____
County Attorney

Jason A. Puglsley, Vice President
(Name and Title)

1/28/20
Date

STATE OF FLORIDA
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of physical presence or online notarization,
this 28 day of January, 2020, by Jason Puglsley who is personally
known to me or has produced _____ as identification.



(Signature of Notary Public - State of Florida)

Courtney Marshall
(Print, Type, or Stamp Commissioned Name of Notary Public)

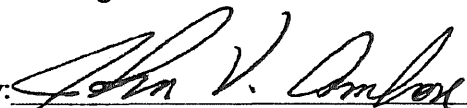
**BAXTER & WOODMAN, INC.
POLICIES ADOPTED BY THE BOARD OF DIRECTORS**

CONTRACT AUTHORITY OF VICE PRESIDENTS AND REGIONAL OFFICE MANAGERS

Effective September 27, 2017, the Baxter & Woodman, Inc. Board of Directors updated the following policy regarding the authority of Regional Office Managers:

- Members of the Board of Directors, Regional Office Managers, and Vice Presidents have the authority to sign proposals, work orders, and engineering service agreements so long as those proposals, work orders, and engineering services agreements have been reviewed using the proper procedures.
- Regional Office Managers and Vice Presidents have the authority to initiate and sign proposals, work orders, and engineering service agreements in amounts of \$10,000 or less without following normal review procedures.
- All executed engineering service agreements must be to sent to the Contracts Department for electronic filing.
- It is hereby confirmed that David L. Mathews, P.E., Rebecca Travis, P.E., Jason Pugsley, P.E, and Aaron Cutler are Florida Region Vice Presidents of Baxter & Woodman, Inc. and have the authority to sign proposals, work orders, and engineering service agreements referenced herein.

Certified by:


John V. Ambrose
President/CEO

Date

February 15, 2018

STATE OF ILLINOIS)

COUNTY OF McHENRY)

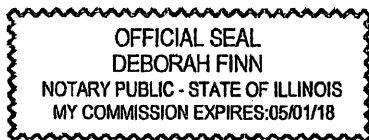
The foregoing instrument was acknowledged before me this 15 day of FEBRUARY, 2018, by JOHN V. AMBROSE, of BAXTER & WOODMAN INC., an Illinois Corporation, on behalf of the corporation, and who is personally known to me, or who has produced the following N/A as identification.

Notary Public:



Print Name: DEBORAH FINN

My Commission Expires: 5/1/2018



LIST OF ATTACHMENTS

CONSULTANT SERVICES AUTHORIZATION NO. 10

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ATTACHMENT - A	Scope of Services
ATTACHMENT - B	Summary and Status of Authorizations
ATTACHMENT - C	OEBO Schedules 1 and 2
ATTACHMENT - D	Project Schedule
ATTACHMENT - E	Budget Summary
ATTACHMENT - F	Summary of SBE/Minority Business Tracking
ATTACHMENT - G	Location Map

Revised 8-6-19

ATTACHMENT A

SCOPE OF SERVICES

WUD Project No.: 18-064

Project Title Repump Station No. 8310 Upgrades and Improvements

BACKGROUND

Palm Beach County Water Utilities Department (PBCWUD) requested Baxter & Woodman, Inc. (CONSULTANT) to provide data collection, engineering design, permitting and bidding services for the upgrades and improvements at Repump Station No. 8310 (PS-8310) which is located at the site of the previously decommissioned City of South Bay Wastewater Plant, on the west side of NW 1st Avenue in South Bay, Florida. PS-8310 conveys raw wastewater, which was previously treated onsite, to PBCWUD's sanitary forcemain system. The station is currently equipped with a skid mounted wastewater inline booster pump station which includes three (3) 60 horsepower (HP) horizontal centrifugal pumps. Each pump has a design capacity of 845 gallons per minute (gpm) at 135 feet (ft) total dynamic head (TDH). The station was designed with a firm capacity (i.e., one pump out of service) of 1,690 gpm. The in-line station was placed into service in 2010. Each of the pumps is driven by a variable frequency drive (VFD) installed within dedicated control panel enclosures.

PBCWUD previously requested CONSULTANT to perform an Operating and Condition Assessment (ASSESSMENT) of PS-8310 which was completed on July 26, 2019. The ASSESSMENT identified specific upgrades and improvements at PS-8310 which would enhance the operational and maintenance characteristics of the station. PBCWUD has requested that CONSULTANT provide engineering services to incorporate the specific upgrades and improvements identified in the ASSESSMENT.

SCOPE OF SERVICES

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

- Design shall incorporate the demolition of the following:
 - Existing abandoned concrete masonry unit (CMU) building
 - Existing in-line booster pump skid (including concrete slab, skid structural frame, piping, pumps, valves, etc.)
 - Existing control panel
 - Existing VFD's
 - Existing Supervisory Control and Data Acquisition (SCADA) system
 - Existing light pole
 - Existing pump skid concrete slab
 - Existing aluminum pole barn (to be salvaged)
 - Existing Odophos tank and chemical metering skid (to be relocated by the vendor, Kemira)
- Design shall incorporate the following:
 - Shop fabricated skid mounted in-line booster pump station equipped with horizontal centrifugal pumping units. The walking surface of the in-line booster pump skid will be set at elevation 17.00-ft North American Vertical Datum (NAVD88).
 - New reinforced cast-in-place concrete support slab for the in-line booster pump skid. The slab will be approximately 28-ft by 33-ft. It is anticipated that auger cast pile foundation will be required due to organic soil conditions.
 - New pump station control panel. The bottom of all electrical panels will be set at 17.00-ft NAVD88 minimum.

- New environmentally sealed six-pulse VFD's with isolation contactors, bypass connections, and a 5% input line reactor and dv/dt output filter which are enclosed with externally mounted heat sinks. VFD's shall be heavy duty type and rated for constant torque and suitable for covered, outdoor service. VFD's are to be sized to accommodate the selected pumps. The bottoms of all VFD's will be set at 17.00-ft NAVD88 minimum.
- New metal pole barn capable of withstanding the appropriate wind loads. The structure will be made of either steel or aluminum and be an open-structure with auger cast pile foundation with a mono-slope roof.
- New bridge crane trolley system with a hoist with a variable speed of approximately 16-ft per minute (FPM) while the trolley will have a variable speed of 47-FPM.
- New reinforced concrete slab sized to accommodate a portable emergency generator (by PBCWUD), Odophos tank and chemical metering skid (to be relocated) and portable emergency bypass pump (by PBCWUD). The slab will be approximately 20-ft by 14-ft. It is anticipated that auger cast pile foundations will be required due to organic soil conditions.
- Service entrance 600AF/450AT CB supplying an Automatic Transfer Switch allowing connection to a County supplied portable generator via Cam-Lock cabinet.
- New 20 amp, 120 volt duplex receptacles.

CONSULTANT shall perform:

Task 1 – Project Management

Subtask 1.1 Overall Project Management

CONSULTANT shall provide overall project management, which includes monitoring progress of work on a weekly basis for billing and compliance with established schedule, budget and work quality requirements, and coordination with PBCWUD and team subconsultant(s) to ensure timely project deliverables and budget management.

Subtask 1.2 Design Workshop Meetings

CONSULTANT shall attend one (1) Kick-off Meeting and two (2) design review meetings (60% and 90%) with PBCWUD. CONSULTANT will lead each of these meetings and produce agendas. Meeting minutes shall be produced by the CONSULTANT within three (3) calendar days of the meeting. These meetings will be exclusive of other meetings identified herein.

Task 2 – Data Collection

Subtask 2.1 Survey Verification

CONSULTANT shall provide survey services through its subconsultant, consisting of site field topography including vertical and horizontal locations for the existing site features and structures. All existing facilities and utilities within the project area (design limits) will be referenced and will include the following:

1. Topographic survey shall be performed at PS-8310. Topographic survey data shall be collected at 25-ft intervals and at major ground elevation changes to depict existing ground profile within the proposed project areas. This shall be accomplished by collecting pertinent data which shall include the following:
 - a. Location of all visible fixed improvements within the project area, including physical objects, roadway pavement, driveways, sidewalks, curb, trees, signs, fences, power poles, buildings (including finished floor elevations), and other permanent site features.

- b. Location of all known above and below ground existing utilities: FPL, AT&T, Cable TV, Natural Gas, Potable Water (pipe diameter, top of pipe (TOP), valves, fire hydrants, and meters), Force Mains (pipe diameter, TOP, and valves), Sanitary Sewer (pipe diameter, manhole inverts and direction, rim elevations, laterals, and clean-outs), Storm Sewers (pipe diameter, manhole inverts and direction, catch basins, and rim/grate elevations), and all other accessible structures and facility piping.
 - c. Elevations shall be indicated on a minimum 25-ft grid (based on NAVD 88 datum), and will indicate site grades, edge of pavement grades and shoulder grades, low points and all property or easement lines. Intermediate grades shall also be indicated at all structures, above grade features, driveways and sidewalks.
 - d. Elevations to be referenced to an existing established City or County Benchmark.
2. The above topographical survey data will be prepared in AutoCAD (Version 2016) format at a scale of 1 inch=20-ft. The CAD drawing shall also include:
 - a. Location of utility pot holing performed.
 - b. Location of buried structures and utilities discovered during subsurface utility targeting.
 3. Upon receipt of the survey data, CONSULTANT shall "ground truth" the new information through field verification. CONSULTANT shall perform a field reconnaissance at PS-8310.
 4. Photograph log walk-through will be provided electronically. Potential existing conflicts will be identified.

Subtask 2.2 Field Verification

CONSULTANT shall furnish the services of a professional underground services company to provide underground field locations of affected existing utilities. The work shall consist of measuring and recording the approximate horizontal, vertical, width and depth data of affected utilities within the project limits. It is estimated that a maximum of ten (10) utility locations will need to be pot-holed.

The professional underground services company shall also provide subsurface utility targeting at the site. The work shall consist of conducting a thorough electronic search for buried utility systems and infrastructure. The investigation will be accomplished using active and passive type utility detection gear that detects induced or naturally occurring energy fields present on conductive utilities. Field sheets will be generated that show the location, trend and configuration of utilities detected.

Task 3 – Design Services

Subtask 3.1 Design Drawings

CONSULTANT shall prepare Construction Documents which shall include: cover sheet, general notes, civil plan drawings, mechanical, structural, electrical, instrumentation and control and miscellaneous detail sheets conforming to the requirements of PBCWUD's minimum construction standards. CONSULTANT shall prepare the engineering design elements utilizing information as provided by PBCWUD on the record drawings dated November 17, 2010 for WUD Project No. 09-041 entitled, "Palm Beach County Water Utilities Department South Bay Regional Wastewater Pump Station" and the proposed topographic survey. CONSULTANT shall coordinate with PBCWUD in order to design the proposed pump station improvements in accordance with the requirements and design standards of the PBCWUD.

CONSULTANT shall prepare the engineering design elements utilizing the CONSULTANT'S standard layering system. Three (3) sets of 22x34 hard copy and two (2) sets of 11x17 hard copy drawings shall be submitted for PBCWUD review at 60% and 90% completion stages. CONSULTANT shall meet with the PBCWUD to discuss comments, and incorporate comments into final documents.

CONSULTANT shall furnish PBCWUD with four (4) sets of 22x34 hard copy and two (2) sets of 11x17 hard copy, 100% Construction Set drawings, plus one (1) set of PDF and AutoCAD files in electronic format on CD.

Subtask 3.2 Specifications

CONSULTANT shall prepare construction documents consisting of technical specifications which include the specific product and execution requirements for the proposed upgrades and improvements at PS-8310 site. The Consultant shall red-line changes to the PBCWUD's standard specifications and provide additional specification sections as needed. The technical specifications shall conform to the requirements of PBCWUD's minimum construction standards and Approved Materials and Equipment List.

CONSULTANT shall prepare the technical specifications in WORD.doc format. Three (3) sets of hard copy technical specifications shall be submitted for PBCWUD review at the 60% and 90% completion stages. CONSULTANT shall meet with PBCWUD to discuss comments, and incorporate comments into final documents.

CONSULTANT shall furnish PBCWUD with four (4) sets of hard copy technical specifications, plus one (1) set of PDF and WORD.doc files in electronic format on USB drive of the 100% technical specifications.

Subtask 3.3 Construction Cost Opinion

At the 60%, 90% and 100% design completion stages, CONSULTANT shall prepare a detailed opinion of probable construction cost estimate based upon the level of design drawings and specifications submitted to PBCWUD. The cost opinion shall reflect changes in general scope, extent or character of design requirements incorporated during the various design review stages. Three (3) hard copies of the Construction Cost Opinion shall be submitted at the 60% and 90% completion stages. Four (4) hard copies of the Construction Cost Opinion shall be submitted at the 100% completion stage. One (1) electronic copy in PDF format shall be submitted at each design stage.

Subtask 3.4 Quality Assurance

CONSULTANT shall provide internal QA/QC reviews on the 60%, 90% and 100% Construction Set Documents.

Task 4 - Permitting

During the Design Phase, the CONSULTANT shall meet with the potential permitting agencies to determine the potential design permitting requirements. Agencies anticipated to have interest in the project include:

- Florida Department of Health – Palm Beach County (Wastewater Collection/Transmission Permit).
- City of South Bay Planning and Building Department

Permit applications shall be completed for each of the permitting agencies. Associated permit application fees shall be determined by CONSULTANT and paid by PBCWUD.

In addition to preparing the permit applications for appropriate agencies, CONSULTANT shall assist PBCWUD in consultations with the appropriate authorities. Consultation services shall include the following:

- Attend up to one (1) pre-application meeting with the staff of each regulatory agency.
- Attend up to one (1) meeting with each of the regulatory agencies during review of the final permit applications.
- Respond to request(s) for additional information (RFI) from each regulatory agency.
- The CONSULTANT will correspond with applicable regulatory agencies to discuss finished floor elevation requirements in relation to flood elevations prior to the 60% submittal.

Subtask 4.1 Florida Department of Health – Palm Beach County Permit

CONSULTANT shall prepare and submit "Wastewater Collection Construction Permit Application" to the Florida Department of Health – Palm Beach County. CONSULTANT shall prepare revised drawings and a formal response for up to one (1) RFI issued by the Florida Department of Health – Palm Beach County.

Subtask 4.2 City of South Bay Planning and Building Department Permit

CONSULTANT shall provide two (2) signed and sealed sets of plans to be used by the PBCWUD to initiate the permit application process. CONSULTANT shall prepare revised drawings and a formal response for up to one (1) RFI issued by the City of South Bay Planning and Building Department.

Task 5 - Bid Phase Services

Subtask 5.1 Bid Advertisement

CONSULTANT shall assist PBCWUD in advertising for and obtaining bids or negotiating proposals for construction (including materials, equipment and labor). It is anticipated that the work will be awarded under a single Construction Contract. CONSULTANT shall provide electronic copies of the bid documents in PDF format to the PBCWUD. PBCWUD shall receive and process deposits for bidding documents, as applicable, and shall maintain a record of prospective bidders to whom bidding documents have been issued.

Subtask 5.2 Pre-Bid Conference

CONSULTANT shall conduct pre-bid conference in conjunction with PBCWUD staff and provide a written summary of items (i.e. minutes) discussed.

Subtask 5.3 Bid Clarification/Addenda

CONSULTANT shall prepare technical addenda and shall provide supplemental information or clarification, as appropriate, to interpret, clarify, or expand the bidding documents to all prospective bidders during the bid period.

Subtask 5.4 Contract Award

CONSULTANT shall assist PBCWUD in evaluating bids and proposals, including performing reference checks. CONSULTANT shall submit a written recommendation to PBCWUD concerning award of the contract to the lowest responsive and responsible bidder.

Subtask 5.5 Conformed Contract Documents

CONSULTANT shall prepare conformed Contract Documents for use by the Contractor during construction.

Assumptions

The scope of work presented herein is based on the following assumptions:

1. PBCWUD will provide CONSULTANT record drawings of all available existing facilities which shall serve as the basis of design in this project. The information will be provided to CONSULTANT within five (5) calendar days of NTP.
2. The project design drawings will be based upon and created using the Record Drawings, dated November 17, 2010, WUD Project No. 09-041 prepared by Globaltech, Inc. entitled, "Palm Beach County Water Utilities Department South Bay Regional Wastewater Pump Station" and the proposed topographic survey and/or subsurface utility investigation.
3. The project scope of work specifically excludes the design of a bypass pump connection. PBCWUD will have a bypass pump connection installed prior to the proposed upgrades and improvements being constructed.
4. PBCWUD will supply their own skid mounted emergency generator. The design or specification of a skid mounted emergency generator unit is specifically excluded.
5. PBCWUD personnel will assist in field verification of affected existing PBCWUD facilities where required.
6. PBCWUD will prepare and provide for CONSULTANT review, prior to bidding, front-end documents in electronic (i.e. PDF) format.
7. CONSULTANT shall provide the PBCWUD with AutoCAD files of the As-Bid drawings. Bid document changes will be compiled by the CONSULTANT and electronically incorporated into the Contract Document files for use during construction.
8. A single bidding effort is assumed. Re-bidding of the project is considered an Additional Services item not currently included in this Scope of Work.
9. Scope does not include services for addressing a bid protest or for rebid of the project.
10. The design is to be based on the federal, state and local codes and standards in effect at the beginning of the project. Revisions required for compliance with any subsequent changes to those regulations is considered an Additional Services Item and is not currently included in this Scope of Work.
11. Design shall comply with PBCWUD's Minimum Engineering and Construction Standards, latest edition. PBCWUD shall provide CONSULTANT with electronic files of the latest edition of all PBCWUD standards at the project outset. Updates to the PBCWUD's Minimum Engineering and Construction Standards beyond the 60% design submittal are considered an Additional Services item not currently included in this Scope of Work.
12. CONSULTANT assumes that there are no contaminated soils or groundwater in the project area.
13. PBCWUD is responsible for all permitting fees, including costs of public notification in local newspapers.
14. Geotechnical investigation was previously completed. Additional geotechnical services are specifically excluded.

ATTACHMENT B

SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

Auth. No.	WUD Project No.	Title	Status	Project Total Amount	SBE Total Amount	SBE Participation %	By	Approved Date
1	17-048	Glades Region Leak Detection	Closed	\$ 71,813.76	\$ -	0.00%	CRC	8/2/2017
2	17-047	Forcemain Improvements on Lyons Road from Norte Lago to Palmetto Park Rd.	Approved	\$ 89,576.84	\$ 32,320.00	36.08%	CRC	8/2/2017
2.1	17-047	Forcemain Improvements on Lyons Road from Norte Lago to Palmetto Park Rd. - Additional Services	Approved	\$ 15,034.37	\$ 7,425.00	49.38%	Director	3/1/2018
3	17-064	Improvements to Lift Stations 393, 1023, 5133 and the Abidjan Estates Lift Station	Approved	\$ 191,739.31	\$ 74,868.72	39.04%	BCC	3/13/2018
3.1	17-064	Improvements to Lift Stations 393, 1023, 5133 and the Abidjan Estates Lift Station - Additional Services	Approved	\$ 19,443.53	\$ 6,639.42	34.14%	Director	9/30/2019
4	18-036	Improvements to Master Repump Station 9-North	Approved	\$ 190,517.49	\$ 76,760.00	40.29%	BCC	7/10/2018
4.1	18-036	Improvements to Master Repump Station 9-North Additional Services	Approved	\$ 75,896.72	\$ 31,560.00	41.58%	CRC	1/16/2020
5	18-064	Repump Station No. 8310 Operating and Condition Assessment	Approved	\$ 45,488.58	\$ 8,710.00	19.14%	Director	9/25/2018
6	18-059	AC Mitigation Testing for FPL Reclaimed Water Pipeline	Approved	\$ 5,907.00	\$ -	0.00%	Director	7/3/2018
7	19-008	Engineer's Bond & Insurance Report 2018	Closed	\$ 22,673.39	\$ -	0.00%	Director	1/10/2019
8	19-045	WTP#2 Safety Specifications	Closed	\$ 6,124.96	\$ -	0.00%	Director	4/30/2019
9	19-061	Western Region Water Leak Detection Phase 1	Approved	\$ 74,426.23	\$ -	0.00%	CRC	8/21/2019
10	18-064	Repump Station 8310 Improvements	Pending	\$ 170,472.92	\$ 55,090.00	32.31%	BCC	TBD
11	20-001	WTP No. 2 Energy Isolation and Safety Procedures	Pending	\$ 76,219.71	\$ -	0.00%	CRC	TBD
12	20-013	Green Cay- Phase 2 Site Planning and DRO	Pending	\$ 78,899.23	\$ 57,250.00	72.56%	CRC	TBD

Revised 8-6-19

ATTACHMENT C

OEBO SCHEDULE 1

Office of Equal Business Opportunity Compliance Programs

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION


Repump Station 8310 Upgrades and Improvements

SOLICITATION/PROJECT/BID NAME: _____
NAME OF PRIME RESPONDENT/BIDDER: Baxter & Woodman, Inc.
CONTACT PERSON: Jason A. Pugsley, P.E.
SOLICITATION OPENING/SUBMITTAL DATE: June 20, 2017

SOLICITATION/PROJECT/BID No.: 18-064
ADDRESS: 477 S Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401-5798
PHONE NO.: 561-655-6175 **E-MAIL:** jpugsley@baxterwoodman.com
DEPARTMENT: Palm Beach County Water Utilities Department

PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT ON THIS PROJECT. PLEASE ALSO LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT.

Name, Address and Phone Number	(Check all Applicable Categories)			DOLLAR AMOUNT OR PERCENTAGE OF WORK					Other (Please Specify)
	Non-SBE	M/WBE Minority/Women Business	SBE Small Business	Black	Hispanic	Women	Caucasian		
1. Baxter & Woodman, Inc. 477 S. Rosemary Avenue Suite 330, West Palm Beach, Florida 33401-5798 Phone - 561-655-6175	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	\$85,972.92/50.43%
2. WGI, Inc. 2035 Vista Parkway, West Palm Beach, Florida 33411 Phone - 561-687-2220	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	\$29,410.00/17.25%
3. Gartek Engineering Corporation 6801 Lake Worth Road, Suite 117, Greenacres, Florida 33467 Phone - 561-249-3431	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	\$37,100.00/21.76%	_____	_____	_____	_____
4. Craig A. Smith & Associates, Inc. 21045 Commercial Trail, Boca Raton, Florida 33486 Phone - 561-314-4445	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	\$17,990.00/10.55%	_____	_____
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____	_____
(Please use additional sheets if necessary)				Total	_____	\$37,100.00/21.76%	_____	\$17,990.00/10.55%	\$115,382.92/67.68%
Total Bid Price \$ <u>\$170,472.92</u>				Total SBE - M/WBE Participation <u>\$55,090/32.31%</u>					

I hereby certify that the above information is accurate to the best of my knowledge:  1/27/20
 Jason A. Pugsley, P.E. Signature Vice President
Title

- Note:**
1. The amount listed on this form for a Subcontractor/subconsultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
 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/or M/WBE, please indicate the dollar amount under the appropriate category.
 3. Modification of this form is not permitted and will be rejected upon submittal.

ATTACHMENT C

OEBO SCHEDULE 2

Office of Equal Business Opportunity Compliance Programs

Revised 8-6-19

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 18-064

SOLICITATION/PROJECT NAME: Repump Station 8310 Upgrades and Improvements

Prime Contractor: Baxter & Woodman, Inc. Subcontractor: Gartek Engineering Corporation

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 11/18/2016 - 11/17/2019

The undersigned affirms they are the following (select one from each column if applicable):

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input checked="" type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

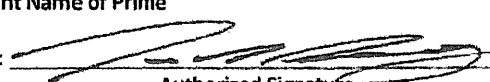
S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

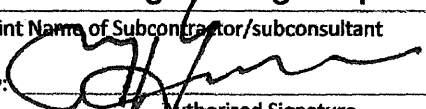
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
Task 3	Design Services		1		\$37,100.00/21.76%

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$37,100.00/21.76%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant _____ Price or Percentage: _____

Baxter & Woodman, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Jason A. Pugsley, P.E.
 Print Name
Vice President
 Title
 Date: 1/20/20

Gartek Engineering Corporation
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Melquiades F. Garcia, P.E.
 Print Name
Vice President
 Title
 Date: 1/29/2020

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 18-064

SOLICITATION/PROJECT NAME: Repump Station 8310 Upgrades and Improvements

Prime Contractor: Baxter & Woodman, Inc.

Subcontractor: Craig A. Smith & Associates, Inc.

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE

Date of Palm Beach County Certification (if applicable): 1/16/2015 - 1/15/2018

The undersigned affirms they are the following (select one from each column if applicable):

Column 1

Column 2

Column 3

Male Female

African-American/Black Asian American Caucasian American
 Hispanic American Native American

Supplier

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/Units	Contingencies/Allowances	Total Price/Percentage
Task 2	Data Collection Services		1		\$17,990.00/10.55%

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$17,990.00/10.55%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant _____

Price or Percentage: _____

Baxter & Woodman, Inc.

Print Name of Prime

By: _____

Authorized Signature

Jason A. Pugsley, P.E.

Print Name

Vice President

Title

Date: 1/28/20

Craig A. Smith & Associates, Inc.

Print Name of Subcontractor/subconsultant

By: _____

Authorized Signature

Robert D. Keener

Print Name

Vice President

Title

Date: 1/28/20

Revised 09/17/2019

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: 18-064

SOLICITATION/PROJECT NAME: Repump Station 8310 Upgrades and Improvements

Prime Contractor: Baxter & Woodman, Inc.

Subcontractor: WGI, Inc.

(Check box(s) that apply)

SBE WBE MBE M/WBE Non-S/M/WBE

Date of Palm Beach County Certification (if applicable): _____

The undersigned affirms they are the following (select one from each column if applicable):

Column 1

Column 2

Column 3

Male Female

African-American/Black Asian American Caucasian American

Supplier

Hispanic American Native American

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
Task 3	Design Services		1		\$29,410.00/17.25%

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$29,410.00/17.25%

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

Name of 2nd/3rd tier Subcontractor/subconsultant _____

Price or Percentage: _____

Baxter & Woodman, Inc.

Print Name of Prime

By: _____

Authorized Signature

Jason A. Pugsley, P.E.

Print Name

Vice President

Title

Date: 1/20/20

WGI, Inc.

Print Name of Subcontractor/subconsultant

By: _____

Authorized Signature

Mario Echagarrua

Print Name

Chief Operations Officer

Title

Date: January 28, 2020

ATTACHMENT - D

PROJECT SCHEDULE

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

Task	Completion Dates (Calendar Days from NTP)
Task 1 – Project Management	300 days
Task 2 – Data Collection Survey	45 Days
Task 3 – Design Services 60% Design Submittal PBCWUD Review of 60% package 90% Design Submittal PBCWUD Review of 90% Package 100% Construction Set Submittal	90 days 105 days 165 days 180 days 210 days
Task 4 – Permitting	240 days
Task 5 – Bid Phase	300 days
Total Duration	300 days

Revised 8-6-19

ATTACHMENT - E BUDGET SUMMARY

Palm Beach County Water Utilities Department
 Contract For Consulting/Professional Services
 General Utility, Architectural and Value Engineering Services
 Consultant Service Authorization: 10
 Consultant : **Baxter & Woodman, Inc.**
 Project Title: **Repump Station No. 8310 Upgrades and Improvements**
 WUD Project No.: 18-064

Resolution # **R2017-0815** Contract Dated **June 20, 2017**

Task No.	Task Description	Labor Classification and Hourly Rates							Total Labor	Sub-Consultant Services
		Principal \$57.82	Sr. Engineer III/IV \$51.02	Engineer III \$35.71	CAD/GIS III/IV \$35.71	Const. Mgr Eng. Tech III/IV \$40.00	Inspector Eng. Tech I/II \$31.00	Clerical I/II \$23.81		
1	Project Management									
1.1	Overall Project Management	10	20					20	\$2,074.80	
1.2	Design Meeting at PBCWUD Offices	6	9	12				6	\$1,377.48	
	Subtotal Task 1	16	29	12	0	0	0	26	\$3,452.28	\$0.00
2	Data Collection									
2.1	Survey Verification									
2.2	Field Verification									
	<i>Subconsultant Survey (Craig A. Smith)</i>									\$13,040.00
	<i>Subconsultant Subsurface Utility Locate (Craig A. Smith)</i>									\$4,950.00
	Subtotal Task 2	0	0	0	0	0	0	0	\$0.00	\$17,990.00
3	Design Services									
3.1a	60% Design Drawings	8	24	40	80			2	\$6,019.86	
3.1b	90% Design Drawings	4	16	30	60			2	\$4,309.12	
3.1c	100% Design Drawings	4	8	20	40			2	\$2,829.66	
3.2a	60% Technical Specifications	8	24	32				4	\$2,925.00	
3.2b	90% Technical Specifications	4	16	24				4	\$1,999.88	
3.2c	100% Technical Specifications	2	8	16				4	\$1,190.40	
3.3a	60% Construction Cost Opinion	2	2	8				1	\$527.17	
3.3b	90% Construction Cost Opinion	1	1	6				1	\$346.91	
3.3c	100% Construction Cost Opinion	1	1	4				1	\$275.49	
3.4	Quality Assurance	8				8			\$782.56	
	<i>Subconsultant Electrical (Gartek)</i>									\$37,100.00
	<i>Subconsultant Structural (Wantman Group, Inc.)</i>									\$29,410.00
	Subtotal Task 3	42	100	180	180	8	0	21	\$21,206.05	\$66,510.00
4	Permitting									
4.1	PBC Health Department Permitting	2	4	6	4			2	\$724.44	
4.2	City of South Bay Building Department Permitting	2	4	6	8			2	\$867.28	
	Subtotal Task 4	4	8	12	12	0	0	4	\$1,591.72	\$0.00
5	Bid Phase Services									
5.1	Bid Advertisement	3						4	\$268.70	
5.2	Pre-Bid Conference	4		4					\$374.12	
5.3	Bid Clarification / Addenda	2	6					4	\$517.00	
5.4	Contract Award	2		2		5			\$387.06	
5.5	Conformed Contract Documents	1	4		4			8	\$595.22	
	Subtotal Task 5	12	10	6	4	5	0	16	\$2,142.10	\$0.00
	Labor Subtotal Hours	74	147	210	196	13	0	67		
	Labor Raw Costs	\$4,278.68	\$7,499.94	\$7,499.10	\$6,999.16	\$520.00	\$0.00	\$1,595.27	\$28,392.15	
	Labor Multiplier	2.94	2.94	2.94	2.94	2.94	2.94	2.94		
	Labor Subtotal	\$12,579.32	\$22,049.82	\$22,047.35	\$20,577.53	\$1,528.80	\$0.00	\$4,690.10	\$83,472.92	
	Labor Total Costs	\$83,472.92								
	Subconsultant Costs Not Subject to Multiplier	\$84,500.00								\$84,500.00
	Subconsultant Costs Subject to Multiplier	\$0.00								
	Subconsultant Multiplier	1.0								
	Subconsultant Costs Total	\$84,500.00								
	Reimbursable Expenses	\$2,500.00								
	Project Total	\$170,472.92								



October 17, 2019

Sira Prinyavivatkul, P.E.
Baxter Woodman, Inc.
477 S. Rosemary Avenue, Suite 330
West Palm Beach, Florida 33401

SPrinyavivatkul@baxterwoodman.com

Re: **PBCWUD Repump Station No. 8310 Condition Assessment**

Dear Sira,

Wantman Group, Inc. (WGI) presents this proposal to **Baxter Woodman, Inc. (CLIENT)** for professional services on the above-referenced project. Our scope of services and corresponding fees are detailed below.

PROJECT UNDERSTANDING

Palm Beach County Water Utility Department (PBCWUD) has requested **Baxter Woodman Company** implement the improvements recommended in the Operating and Condition Assessment Report (dated July 26, 2019) for the Repump Station No. 8310 (NW 1st Avenue in South Bay).

SCOPE OF SERVICES

I. Structural Design and Construction Documents \$25,990.00

WGI will provide the structural design and construction document preparation for the improvements identified in the above referenced report. Submittals to PBCWUD will be phased at 60%, 90% and 100% construction documents. Updated Engineers Opinion of Probable Construction Cost and specifications will be submitted at each phase. The improvements identified in the report consist of:

- A. The in-line booster pump will be located on a 28-foot by 33-foot reinforced concrete foundation with auger cast piles. A 13-foot by 18-foot aluminum skid frame will support the in-line booster pump equipment. Protecting the in-line booster equipment, an open canopy-structure with an auger cast pile foundation and mono-slope roof will be provided. Integrated into the canopy will be a hoist and bridge crane providing lateral and longitudinal material handling. The hoist will be a remote controlled with a hoist variable speed of approximately 16-FPM and the trolley variable speed of approximately 47-FPM. The hoist will have an adjustable upper and lower limit switch.
- B. The emergency generator and Odophos tank will be located on a 20-foot by 25-foot reinforced concrete foundation supported on auger cast piles. The slab will provide anchoring points for tie-down of the emergency generator and the Odophos tank.

- C. The emergency bypass pump equipment will be located on a 20-foot by 14-foot reinforced concrete foundation supported on auger cast piles. Associated with the bypass system individual pipe cradles will be supported by a cradle foundation with auger cast piles.

II. Bidding Phase Services

\$3,420.00

BASIS OF THIS PROPOSAL

This proposal is based on the following:

1. WGI shall be entitled to rely on the completeness and accuracy of all information provided by CLIENT. Information requested by WGI during the project will include, but may not be limited to, the site plans; utilities, environmental assessments; geotechnical reports; and survey (with CAD file);
2. Engineering specifications and details will be included in the construction plans;
3. Significant scope modifications will require an amendment to this contract. WGI will submit a separate proposal for those services;
4. Additional submittals and coordination with permitting agencies not due to WGI's work will be invoiced on an hourly basis;
5. Coordination and design of proposed electrical, telephone, television, and gas utilities shall be completed by others;
6. The project will be design and permitted under one phase;
7. Services not included: Landscape Architecture, Architectural, Irrigation, Lighting, Title Search, Traffic, Environmental, Construction phase and Geotechnical.

INFORMATION REQUIRED

The following additional information will be required to begin design services on this project:

1. AutoCAD and PDF files of proposed site plans including boundary survey; and
2. Geotechnical Investigation verifying the depth of underlying limestone formation.

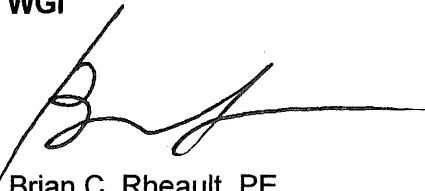
Any additional optional services requested by CLIENT will be provided in accordance with WGI's hourly fee schedule in effect at the time of service, or a fixed fee to be negotiated once a scope of service is defined.

PROPOSAL ACCEPTANCE

We appreciate the opportunity to be of service to **Baxter Woodman, Inc.** Upon acceptance of this proposal, please issue a Subconsultant Agreement for these Professional Services.

Respectfully submitted,

WGI



Brian C. Rheault, PE
Vice President Structural Solutions





Mechanical, Electrical,
Plumbing and Fire
Protection Engineers

October 16th, 2019

Via E-Mail

Mr. Jason A. Pugsley, P.E.
Water/Wastewater Department Manager
Mathews Consulting
477 S. Rosemary Avenue, Suite 330
West Palm Beach, FL. 33401

jpugsley@baxterwoodman.com
SPrinyavivatkul@baxterwoodman.com

Dear Jason:

Re: PBCWUD RPS 8310 Design proposal

This is to present our proposal for design associated with the referenced repump station and in accordance with the Final Operating and Condition Assessment Report dated July 26, 2019. Our scope of services is as indicated below:

1. Provide new electrical power and distribution design to supply a replacement pumping station consisting of three (3) 100HP pumps and associated control equipment.
2. The new design will incorporate provisions for connecting a portable generator via quick-connect camlock type device. Our scope does not include selection of generator; it is our understanding that the WUD will provide that equipment. Our scope includes generator loading simulation to establish minimum generator capacity.
3. Our scope includes preparation of a shortcircuit, coordination, and arc flash study.
4. New VFD's will be outdoor type. Please identify the WUD wants 12 pulse or 18 pulse VFD's.
5. Installation of the new repump station will be outdoors under a new canopy building.
6. Our scope includes new outdoor lighting.
7. We propose to provide a new electrical service to allow as much construction as possible to take place before the existing pumping system is de-energized. We will coordinate our efforts with FPL.
8. Our fee includes three submittals at 60%, 90%, and 100%.
9. We include one meeting after each submittal phase.
10. Our fee includes attendance to pre-bid and responses to contractor bid RFI's.
11. Our fee does not include services during construction.

Our fee for the above scope will be \$37,100 as indicated in more detail on the attached spreadsheet.

We will invoice in proportion to services rendered and payment will be expected within thirty (30) days. Interest on overdue accounts beyond 30 days of billing date will be charged at a rate of 1.5% per month beginning at the invoice date. Payment for services is your direct obligation and is not contingent upon any other payment schedules pursuant to other contracts or financial arrangements. If payment is not received within thirty (30) days of your receiving our invoice, we have the option to

Gartek Engineering Corporation

Miami-Dade County CBE, Broward County CBE, Florida DBE, M/WBE and SBE
Corporate Office: 7210 SW 39 Terrace • Miami, Florida 33155 • Phone (305) 266-8997 • Fax (305) 264-9496
Broward Office: 2700 N. 29 Ave • Suite 303 • Hollywood, Florida 33020 • Phone (954) 404-8100 • Fax (954) 404-8133
Palm Beach Office: 6801 Lake Worth Rd. • Suite 117 • Greenacres • FL 33467 • Phone (561) 249-3431 • Fax (561) 249-3472
www.gartek-engineering.com



Mechanical, Electrical,
Plumbing and Fire
Protection Engineers

October 16th, 2019
Mathews Consulting

Page 2 of 2

Re: PBCWUD RPS 8310 Design proposal

cease providing services during that time and we cannot be held responsible for costs generated by our work stoppage. The successful party to litigation related to agreement will be entitled to collect legal fees. Our fee is valid provided that the design of this project is completed within six (6) months of the date of this proposal.

Please review our proposal and let me know if I can help clarify any item in more detail. Thank you for considering us.

If you are in agreement with our proposal, kindly return a signed copy as authorization. We will be ready to start upon receiving authorization.

Best Regards,
GARTEK ENGINEERING, CORP.,

Mel F. Garcia, P.E. LEED AP
Vice President
MFG:pcy
Attachment

Authorized by **Mathews Consulting, a Baxter Woodman Company** for Gartek Engineering Corp., to provide the above services:

Signed: _____

Name: _____

Title: _____

Date: _____

Gartek Engineering Corporation

Miami-Dade County CBE, Broward County CBE, Florida DBE, M/WBE and SBE
Corporate Office: 7210 SW 39 Terrace • Miami, Florida 33155 • Phone (305) 266-8997 • Fax (305) 264-9496
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www.gartek-engineering.com

Gartek Engineering Corp

Client: Mathews Consulting

PROPOSED FEE BREAKDOWN

Position:	PRINCIPAL MECHANICAL		PRINCIPAL ELECTRICAL		ELECTRICAL ENGINEER		TECHNICIAN CAD		MISC Other		TOTAL		
	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	Avg. Hrly Rate
Rate (\$/Hour):	\$180.00		\$180.00		\$130.00		\$80.00		\$45.00				
Preliminary													
Two site visits during design	0	\$0	0	\$0	8	\$1,040	0	\$0	0	\$0	8	\$1,040	\$130
Kick-off meeting/MC coord meeting	0	\$0	2	\$360	2	\$260	0	\$0	0	\$0	4	\$620	\$155
PBC WUD Standards	0	\$0	0	\$0	4	\$520	0	\$0	0	\$0	4	\$520	\$130
Sub-Total Preliminary	0	\$0	2	\$360	14	\$1,820	0	\$0	0	\$0	16	\$2,180	\$136
60% Submittal													
Demolition Plans	0	\$0	0	\$0	16	\$2,080	0	\$0	0	\$0	16	\$2,080	\$130
60% Construction Documents	0	\$0	2	\$360	40	\$5,200	24	\$1,920	0	\$0	66	\$7,480	\$113
Allowance for FPL coordination	0	\$0	0	\$0	8	\$1,040	0	\$0	8	\$360	16	\$1,400	\$88
Specifications	0	\$0	8	\$1,440	0	\$0	0	\$0	8	\$360	16	\$1,800	\$113
Estimate of probable cost	0	\$0	0	\$0	16	\$2,080	0	\$0	0	\$0	16	\$2,080	\$130
WUD Review Meeting, Address Comments	0	\$0	2	\$360	8	\$1,040	4	\$320	4	\$180	18	\$1,900	\$106
60% Submittal	0	\$-	12	\$ 2,160	88	\$11,440	28	\$2,240	20	\$900	148	\$16,740	\$113
90% Submittal													
90% Construction Documents	0	\$0	2	\$360	40	\$5,200	24	\$1,920	0	\$0	66	\$7,480	\$113
Specifications	0	\$0	2	\$360	0	\$0	0	\$0	4	\$180	6	\$540	\$90
Update estimate of probable cost	0	\$0	0	\$0	8	\$1,040	0	\$0	0	\$0	8	\$1,040	\$130
WUD Review Meeting, Address Comments	0	\$0	4	\$720	8	\$1,040	4	\$320	4	\$180	20	\$2,260	\$113
90% Submittal	0	\$0	8	\$1,440	56	\$7,280	28	\$2,240	8	\$360	100	\$ 11,320	\$113
100% Submittal													
100% Construction Documents	0	\$0	0	\$0	16	\$2,080	8	\$640	0	\$0	24	\$2,720	\$113
Specifications	0	\$0	1	\$180	0	\$0	0	\$0	2	\$90	3	\$270	\$90
Update estimate of probable cost	0	\$0	0	\$0	4	\$520	0	\$0	0	\$0	4	\$520	\$130
Sub-Total Construction Documents	0	\$0	1	\$180	20	\$2,600	8	\$640	2	\$90	31	\$3,510	\$113
Bid/Permit Phase													
Pre-Bid meeting and walk through	0	\$0	0	\$0	8	\$1,040	0	\$0	0	\$0	8	\$1,040	\$130
Allowance for contractor RFI's, addenda	0	\$0	2	\$360	8	\$1,040	8	\$640	6	\$270	24	\$2,310	\$96
Sub-Total Bid/Permit Phase	0	\$0	2	\$360	16	\$2,080	8	\$640	6	\$270	32	\$3,350	\$105
Construction Phase (NIC)													
	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	#DIV/0!
Sub-Total Construction Phase	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	#DIV/0!
Project Closeout (NIC)													
	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	#DIV/0!
Sub-Total Closeout	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	#DIV/0!
TOTAL LUMP SUM FEE:	0	\$0	25	\$4,500	194	\$25,220	72	\$5,760	36	\$1,620	327	\$37,100	\$113

CRAIG A. SMITH & ASSOCIATES

PROPOSED SCOPE OF SERVICES AND PROPOSED FEE

FOR

PROFESSIONAL SURVEYING SERVICES

AT

MAP TOPOGRAPHIC SURVEY

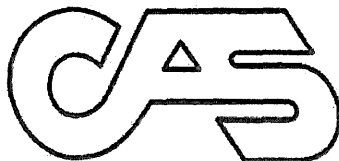
FOR

SOUTH BAY REGIONAL WASTEWATER PUMP STATION

PBCWUD PROJECT NO. 09-041

PALM BEACH COUNTY, FLORIDA

DATED: October 18, 2019



CRAIG A. SMITH & ASSOCIATES

Engineers*Surveyors*Utility Locators*Grant Specialists

21045 COMMERCIAL TRAIL, BOCA RATON, FL 33486

(561) 314-4445 FAX (561) 314-4457

EMAIL: BKEENER@CRAIGSMITH.COM



CRAIG A. SMITH & ASSOCIATES

PROPOSED SCOPE OF SERVICES AND PROPOSED FEE

FOR

PROFESSIONAL SURVEYING AND UTILITY LOCATING SERVICES

**PROJECT NAME: PBCWUD Project WUD 09-041
Palm Beach County, Florida**

PROPOSAL NUMBER: 19-9999-P3912

PROJECT DESCRIPTION: Map of Topographic Survey

PROJECT PLANS: N/A

CLIENT: Baxter & Woodman, Consulting Engineers

Name: Ms. Sira Prinyavivatkul, P.E.

**Address: 477 S. Rosemary Avenue, Suite 330
West Palm Beach, Florida 33401**

Phone: 561-655-6175

E-Mail sprinyavivatkul@baxterwoodman.com

GENERAL:

Craig A. Smith and Associates (CAS) propose to accomplish the professional surveying services for the above project as outlined in this proposal. When the parties have agreed upon the details of the services to be provided, the fees to be paid for the services, and sign this proposal, this proposal will become a formal written agreement. CAS proposes to accomplish the services as follows:

S02 MAP OF TOPOGRAPHIC SURVEY

Surveying services to produce a Map of Topographic Survey for the area in red attached as Exhibit "A" (approximately 1 Acre). Above ground visible improvements, including utilities, will be located and shown to the

\\cas-depot\Admin\PROPOSAL-ASSEMBLY_COMPLETED_PROPOSALS_Survey\2019\3912-Baxter-South-Bay-Repump\3912-BaxWood-South-Bay-Repump.doc



limits shown. Using AWWA standards for marking, a sub-surface ground penetrating radar (GPR) unit shall be used in addition to electromagnetic induction (EM) to perform/verify horizontal locations of existing sub-surface utilities in the survey areas referenced. Lines will be painted on the ground or pin flags set to show said lines on the surface (included) of which survey will locate and show on the survey. Up to Ten Utility Excavation Test Holes will be performed based on the Engineer's requested locations and the type, size, material, etc. will be shown for each based on the reports provided to the surveyor. (Included). Elevations will be gathered and shown relative to North American Vertical Datum of 1988 (NAVD '88) on an approximate 25-foot grid. A minimum of two (2) benchmarks will be referenced at each site. The survey will be conducted relative to the Florida Standards of Practice as defined by chapter 5J-17, Florida Administrative Code.

This proposal does not include adherence to any other standards or requirements with the exception of those applicable and required by Florida law or possible review comments by the named undersigned client. Revisions requested for adherence to additional standards or lender requirements by others will be charged at a mutually agreed upon Lump Sum Fee.

SURVEY AND LOCATES = \$13,040.00

S90 UTILITY TEST HOLES (SOFT DIGS)

Utility test holes (soft digs) will be performed and reports provided for each with utility depth, elevation, size, material and type. The test holes will be performed based on the direction of the project engineer and limited to 10 test holes per this request.

**TEST HOLES (10) \$4,950.00
UNIT PRICE = \$495.00 PER HOLE**

FEE TOTAL

The fee for items listed above will be **SEVENTEEN THOUSAND NINE HUNDRED NINETY AND 00/100 DOLLARS (\$17,990.00)**. Any service not specifically


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included in the Final Agreement will be considered as an Additional Service. CAS will accomplish Additional Services upon proper written authorization from the CLIENT. The fees for Additional Services are at the following hourly rates or at a mutually agreed upon Lump Sum Fee:

AGREED TO AND ACCEPTED BY:

CRAIG A. SMITH & ASSOCIATES



Robert D. Keener, PSM
Vice President

Signature

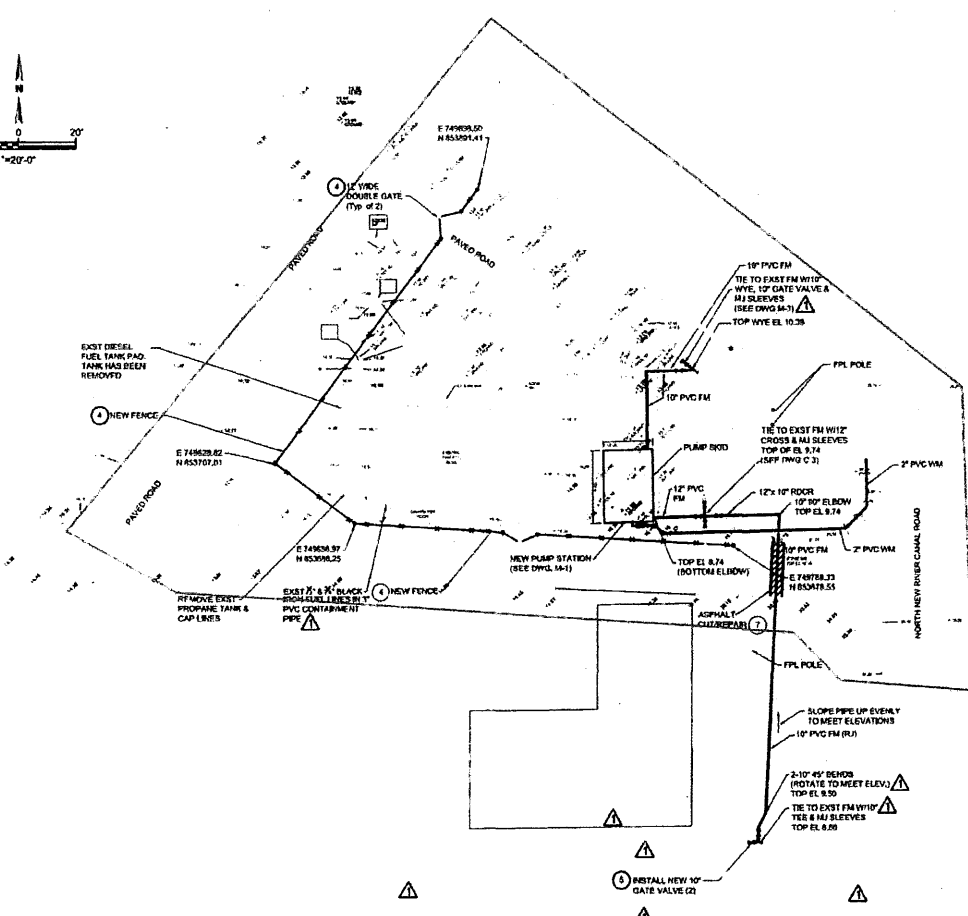
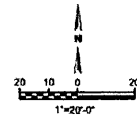
Name of Authorized Representative

Title

Date

EXHIBIT "A"

RECORD DRAWING



- ABBREVIATIONS**
- (c) Indicates computed quantity
 - (d) Indicates closure
 - (d) Indicates description
 - (d) Indicates old bearing and/or distance
 - (m) Indicates measured quantity
 - (p) Indicates pipe
 - (r) Indicates record
 - BM Indicates Bench Mark set PK nail & washer LB 3411
 - Indicates centerline
 - R/W Indicates Right-of-way
 - T Indicates Township
 - R Indicates Range
 - O.R.B. Indicates Official Record Book
 - P.O.B. Indicates Point of Beginning
 - P.O.C. Indicates Point of Commencement
 - P - Indicates power line
 - T - Indicates telephone line
 - FWYV Indicates Fire Hydrant
 - TOP Top of pipe
 - WS Water Service
- CURVE DATA**
- R Indicates radius
 - T Indicates tangent
 - CH Indicates chord
 - L Indicates arc length
 - A Indicates central angle
 - P.C. Indicates Point of Curvature
 - P.T. Indicates Point of Tangency

CONFIDENTIAL
 PBC VALID DOCUMENT
 NOT FOR PUBLIC DISCLOSURE
 In accordance with:
 FS Chapter 281.301
 FS Chapter 193.074 (3) (b)
 FS Chapter 153

- NOTES:**
1. NEW PVC FM SHALL BE C-900 CLASS 200 DR14.
 2. ALL BELOW GRADE FITTINGS SHALL BE DIP.
 3. ALL BELOW GRADE PIPING SHALL BE RESTRAINED JOINT.
 4. SURVEY INFORMATION FROM P&G SURVEYORS 1018 SE 4TH ST BELLE GLADE, FL 33430-4300 PHONE 813-984-8111

REV NO.	DATE	BY	CHKD	REVISIONS
1	10/17/10			CORRECTED FENCE, ADDED VALVES & POTABLE LINE
2	10/17/10			RECORD DRAWING
3				
4				
5				

DESIGNED BY: D. SCHUMAN
 DRAWN BY: O. KLEIN
 SHEET CHECKED BY: P. GANDY
 CHECKED BY: D. SCHUMAN
 DATE: OCTOBER 2009
 DAVID SCHUMAN, P. E.
 P. E. No. 57092

Globaltech
 A DESIGN - BUILD COMPANY
 1075 BROKEN SOUND PKWY NW, SUITE 103
 BOCA RATON, FLORIDA 33487
 PH: (561) 997-6433
 FAX: (561) 997-5811
 CERTIFICATE OF AUTH. No. E.B.-0007225
 LICENSE No. C.G.C.-1507230

PALM BEACH WATER UTILITIES DEPARTMENT
 SOUTH BAY REGIONAL WASTEWATER PUMP STATION
SITE PLAN

PROJECT NO. 0706-20-164
 FILE NAME: C-2A.DWG
 SHEET NO. C-2

ATTACHMENT - F

**Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
General Utility, Architectural and Value Engineering Services**

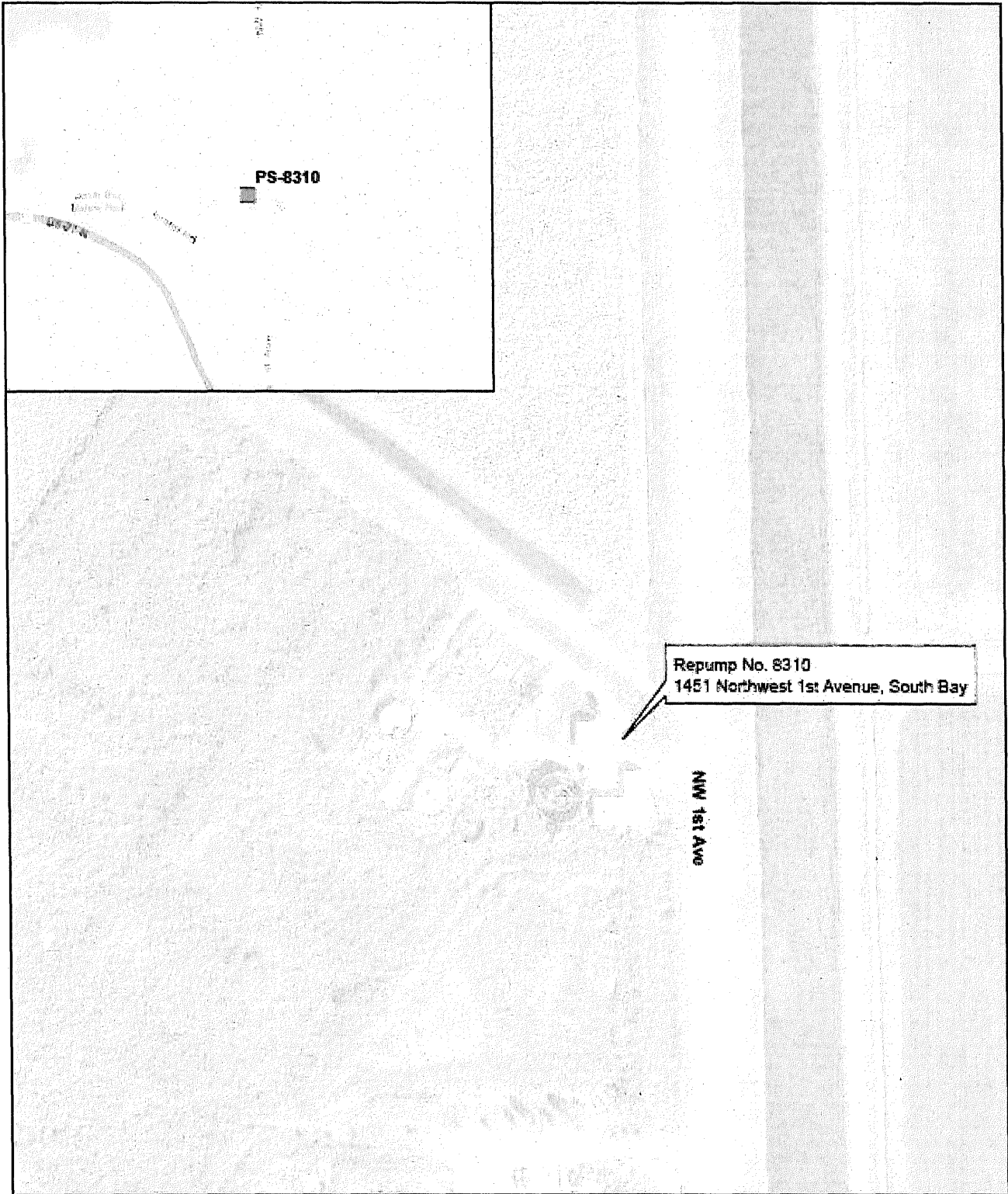
Resolution # R2017-0815 Contract Dated June 20, 2017

AUTHORIZATION STATUS REPORT

SUMMARY OF SBE-M/WBE MINORITY BUSINESS TRACKING

Master Contract Goal: <u>26</u> (%)	SBE
Current Proposal	
Value of Authorization No. <u>10</u>	\$170,472.92
Value of SBE-M/WBE Letters of Intent	\$55,090.00
Actual Percentage	<u>32.31%</u>
Signed/Approved Authorizations	
Total Value of Authorizations	\$808,642.18
Total Value of SBE-M/WBE Signed Subcontracts	\$238,283.14
Actual Percentage	<u>29.46%</u>
Signed/Approved Authorizations Plus Current Proposal	
Total Value of Authorizations	\$979,115.10
Total Value of Subcontracts & Letters of Intent	\$293,373.14
Actual Percentage	<u>29.96%</u>

Revised 8-6-19



**Palm Beach County
Water Utilities
Department**

8100 Forest Hill Blvd
West Palm Beach, FL 33411E
(561) 453-6261

**Repump Station No. 8310
Upgrades and Improvements**

WUD Project No. 18-064

**Location Map
Attachment G**

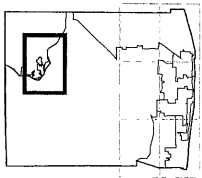
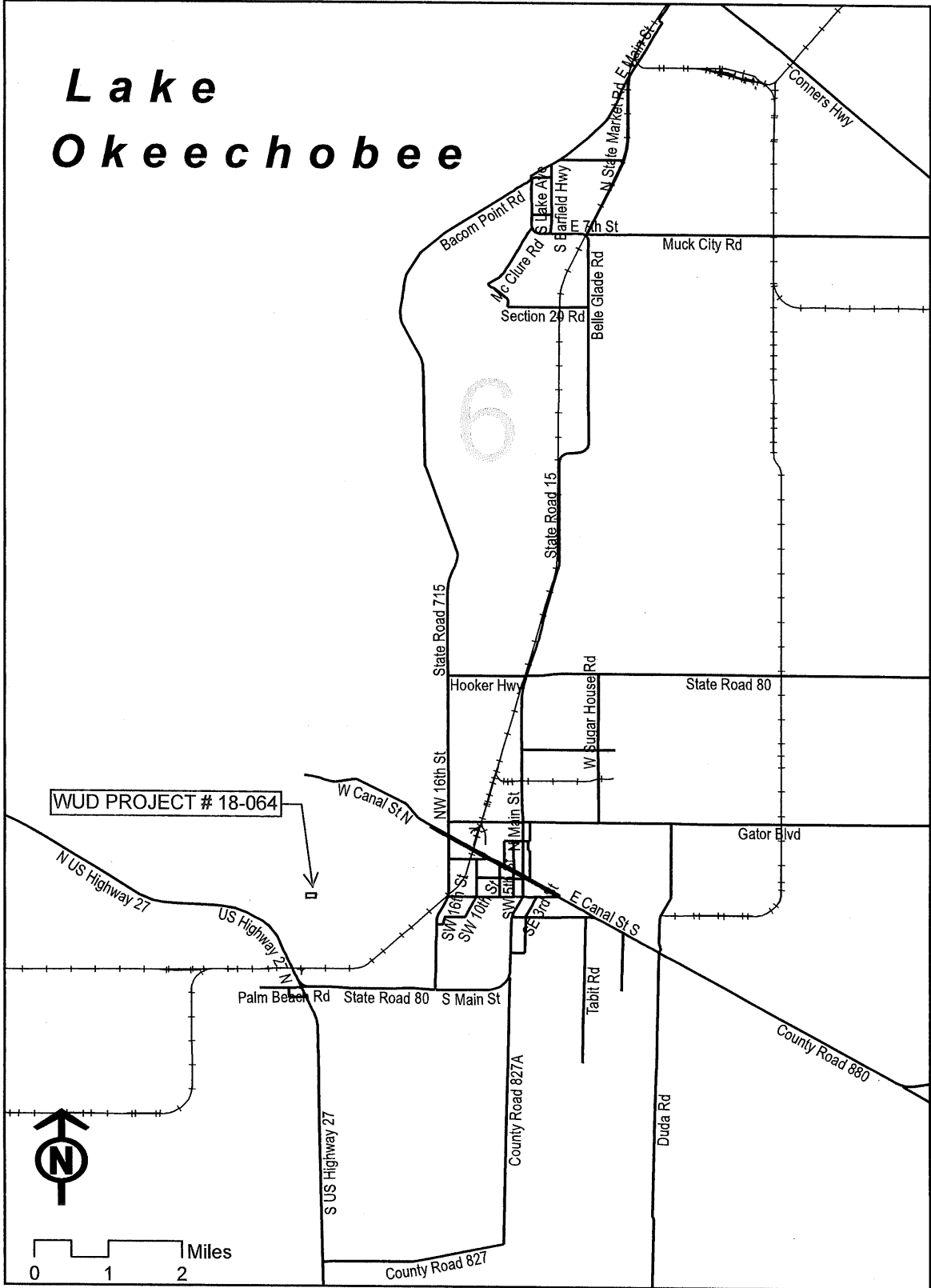


1 in = 500 ft

Legend

 Project Location

ATTACHMENT 2
LOCATION MAP
REPUMP STATION NO. 8310
UPGRADES AND IMPROVEMENTS
WUD PROJECT NO. 18-064



Location Sketch

