

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: November 17, 2020 Consent [X] Regular []
Public Hearing []

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 16 to the Consulting/Professional Services General Utility, Architectural, and Value Engineering Services Contract (Contract) with Baxter & Woodman, Inc. (Consultant) for Improvements to Lift Stations 5195 and 8119 (Project) for a total price amount of \$209,798.99.

Summary: On June 20, 2017, the Board of County Commissioners approved the Palm Beach County Water Utilities Department (PBCWUD) Contract (R2017-0815) with the Consultant. CSA No. 16 provides for professional engineering services related to design and permitting of improvements to Lift Stations 5195 and 8119. These services include survey, data collection, design, construction plans, permitting, and bid support services. The Project includes preliminary design reports to abandon Lift Station 5195 and relocate Lift Station 8119. This Contract was procured under the requirements of the 2002 Small Business Enterprise (SBE) Ordinance (R2002-0064) prior to the adoption of the new Equal Business Opportunity Ordinance on October 16, 2018. The SBE goal established under the 2002 Ordinance was 15% overall participation. The Contract provides for 26% SBE participation. CSA No. 16 includes 43.24% SBE participation. The cumulative SBE participation including CSA No. 16 is 31.02%. Consultant is headquartered in Crystal Lake, IL, but maintains an office in Palm Beach County from which the majority of the work will be performed. The Project is included in the PBCWUD FY21 Budget. (PBCWUD Project No. 20-047) Districts 2 and 6 (MJ)

Background and Justification: Completion of the work provided for in the Project will improve the long term operability and reliability of the wastewater collection system. This work includes the abandonment of Lift Station 5195 and approximately 3,600 linear feet of associated force main to close off a portion of the wastewater infrastructure network that is no longer needed. Completion of this work will also restore the service life and improve the reliability of Lift Station 8119 by replacing the existing lift station with a new lift station that is properly sized to handle wastewater flows.

Attachments:

1. Four (4) Originals Consultant Services Authorization No. 16
2. Location Map
3. Certificate of Liability Insurance

Recommended By: Jim Steele 10-22-2020
Department Director Date

Approved By: Will J. Glenn 11/2/2020
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2021	2022	2023	2024	2025
Capital Expenditures	\$209,799	0	0	0	0
Operating Costs	0	0	0	0	0
External Revenues	0	0	0	0	0
Program Income (County)	0	0	0	0	0
In-Kind Match County	0	0	0	0	0
NET FISCAL IMPACT	\$209,799	0	0	0	0
# ADDITIONAL FTE POSITIONS (Cumulative)	0	0	0	0	0

Budget Account No.: Fund 4011 Dept 721 Unit W031 Object 6546

Is Item Included in Current Budget? Yes X No
Does this item include the use of federal funds? Yes No X

Reporting Category N/A

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

One (1) time expenditure from user fees, connection fees and balance brought forward.

C. Department Fiscal Review: [Signature] GE

III. REVIEW COMMENTS

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

[Signature] 10/23/2020
OFMB [Signature] BR 10/27
[Signature] 10/30/2020
Contract Development and Control
10-30-20 TW

B. Legal Sufficiency:

[Signature]
Ar. M. Jones 11/2/2020
Assistant County Attorney

C. Other Department Review:

Department Director

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

CONSULTANT SERVICES AUTHORIZATION NO. 16

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
General Utility, Architectural and Value Engineering Services
Resolution No. R2017-0815 Contract Dated June 20, 2017

Project Title: Improvements to Lift Stations 5195 and 8119

WUD Project No.: 20-047

Consultant: Baxter & Woodman, Inc.

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

Budget Line Item No. 4011-721-W031-6546

District No.: 2, 6

This Consultant Services Authorization provides for: Engineering services related to the completion of the design for Improvements to Lift Stations 5195 and 8119 including, but not limited to, Project Management, Quality Assurance/Quality Control (QA/QC), Data Collection, Design Service, Permitting and Bid Assistance.

(See **ATTACHMENT A** for detailed scope of services)

The Contract provides for 26% SBE participation. This Consultant Services Authorization includes 43.24% overall participation. The cumulative SBE participation, including this authorization is 31.02%.

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 \$20,450.00
 - B. Fixed price of \$189,348.99
 - C. Total \$209,798.99
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, as amended, 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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WUD Project No.: 20-047

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: _____
GAM, Mayor JS

Typed Name: _____
Deputy Clerk

_____ Date

Approved as to Form and Legal
Sufficiency

CONSULTANT: Baxter & Woodman, Inc.

Signed: _____

(Signature)

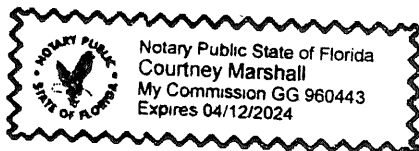
Typed Name: _____
County Attorney

Rebecca Travis, Vice President
(Name and Title)

Date 9/3/2020

STATE OF FLORIDA
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization,
this 3 day of September, 2020, by Rebecca Travis 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)

CONSULTANT SERVICES AUTHORIZATION NO. 16

Palm Beach County Water Utilities Department
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General Utility, Architectural and Value Engineering Services
Resolution No. R2017-0815 Contract Dated June 20, 2017

LIST OF ATTACHMENTS

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

Revised 06/09/2020

ATTACHMENT A

SCOPE OF SERVICES

WUD Project No.: 20-047

Project Title Improvements to Lift Stations 5195 and 8119

BACKGROUND

Lift Station 5195 (Zone 2)

Palm Beach County Water Utilities Department (PBCWUD) requested Baxter & Woodman, Inc. (CONSULTANT) to provide engineering design services for the demolition of Lift Station 5195 and abandonment of approximately 3,600 linear feet of 10-inch force main. Lift Station 5195 is a duplex (56 horsepower [HP] pumps), submersible-type lift station which is located on the southwest corner of the intersection of Lake Worth Road (State Road 802) and Lake Worth Drainage District (LWDD) E-3 Canal in Lake Worth, Florida. Lift Station 5195 was originally a master lift station which was replaced by Lift Station 5015 located at the northeast corner of Sherwood Forest Boulevard and South 38th Court. Lift Station 5195 was previously removed from service but continues to receive minimal flows due to a leaking isolation valve on a 10-inch force main. The force main receives flow from a private lift station servicing an automotive dealership located approximately 1,250 linear feet south of Lift Station 5195, at the northeast corner of Lake Worth Road and South 57th Avenue. The 10-inch force main travels from Lift Station 5195 south along Lake Worth Road (1,250 linear feet), then north on South 57th Avenue (750 linear feet), turns south on South 38th Court (1,400 linear feet) and finally north on Sherwood Forest Boulevard (200 linear feet) to connect and discharge to Lift Station 5015.

The 10-inch force main is nearing the end of its useful service life; therefore, PBCWUD desires to abandon the 10-inch force main between Lift Station 5195 and Lift Station 5015 and re-route the wastewater flow from the private lift station force main to the gravity sewer system to the north at a manhole located at the southeast corner of the intersection of South 57th Avenue and South 38th Court.

Lift Station 8119 (Zone 6)

PBCWUD has requested CONSULTANT to provide engineering design services for the relocation of Lift Station 8119. Lift Station 8119 is a simplex (3 horsepower [HP] pump), submersible-type lift station which is located immediately adjacent to the northwest corner of the intersection of Southwest 12th Street and Southwest Avenue D in Belle Glade, Florida. The proximity of the lift station to the roadway creates an access and safety concern. Lift Station 8119 was constructed from an existing manhole without a redundant pumping unit. The 4-foot diameter well is shallow and there is very limited storage capacity. All discharge valves and fittings are located within the wet well. PBCWUD indicated that there is a significant amount of infiltration and inflow issues within the lift station service area. There is also a significant grease issue. The discharge force main is a 4-inch diameter pipe approximately 1,575 linear feet in length that travels north on Southwest 12th Street (1,050 linear feet) then east on West Avenue A (350 linear feet) and north on Northwest 11th Street (175 linear feet) where it connects to a gravity sewer collection manhole. CONSULTANT will evaluate the feasibility of replacing the existing lift station with a duplex lift station at two (2) alternate locations outside of the roadway limits. CONSULTANT shall prepare a preliminary AutoCAD layout for a "small footprint lift station" for PBCWUD to use for public outreach. The existing 4-inch force main will be abandoned and replaced with a high-density

polyethylene (HDPE) pipe via horizontal directional drill (HDD) installation with a diameter size to be determined by CONSULTANT. PBCWUD requests that the CONSULTANT evaluate the location for discharge tie-in since the existing gravity sewer collection manhole is extremely shallow and prone to wastewater overflows. PBCWUD indicates that there is a force main along Northwest 10th Street that is preferred as a tie-in location. If this is not feasible, there is a manhole with additional depth located to the north (approximately 400 linear feet from the existing gravity sewer collection manhole connection) which should be considered. CONSULTANT shall provide a preliminary design report identifying two possible locations for the new Lift Station 8119, design of the "small footprint lift station," and the force main diameter size and alignment.

Upon approval of the preliminary design report by PBCWUD, CONSULTANT shall commence with the design for the demolition of Lift Station 8119, abandonment of the 4-inch force main, construction of the new lift station 8119, modifications of gravity sewer system to discharge to the new lift station location, and new force main. The components of the new lift station will include wet well, valve vault, pumping units, piping, check valves, control valves, emergency pump out connection, electrical systems, fencing, driveway, and site restoration. The electrical systems shall include the electrical service, rack-mounted control panel, remote telemetry unit and interconnecting conduit and cabling. The design of the new Lift Station 8119 shall meet PBCWUD's Minimum Engineering and Construction Standards, latest edition.

CONSULTANT shall perform:

Scope of Services

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 Project Meetings

CONSULTANT shall attend:

- One (1) kick-off meeting
- Up to five (5) additional meetings with PBCWUD:
 - One (1) additional meeting will include an onsite meeting at Lift Station 5195.
 - One (1) additional meeting will include an onsite meeting at Lift Station 8119.
 - One (1) additional meeting will be to discuss the review of the DRAFT preliminary design report (PDR) for Lift Station 8119.
 - One (1) additional meeting will be to review the 60% design submittal.
 - One (1) additional meeting will be to review the 90% design submittal.

PBCWUD shall provide CONSULTANT with comments forty-eight (48) hours in advance of the DRAFT PDR and the 60% and 90% design submittal meetings. CONSULTANT will lead each of these meetings and provide meeting agendas with sign-in sheet. Meeting minutes shall be produced by the CONSULTANT within five (5) calendar days of each meeting. These meetings will be exclusive of other meetings identified elsewhere, herein.

Subtask 1.3 QA/QC

CONSULTANT shall provide internal QA/QC reviews for the duration of the project.

Task 1 Deliverables:

- Monthly payment applications and supporting documentation
- Kick-off meeting agenda and meeting minutes
- Additional Progress meeting agenda and meeting minutes

Task 2 – Data Collection

Subtask 2.1 Record Drawing Verification

CONSULTANT shall provide engineering services to compile and review available record drawings as provided by PBCWUD, Palm Beach County, City of Greenacres, City of Belle Glade, and Florida Department of Transportation for all lift stations, utilities, and roadway improvements affected by proposed future improvements to Lift Stations 5195 and 8119.

Subtask 2.2 Utility Coordination

CONSULTANT shall coordinate with the utility agencies (electric, phone, gas, cable television, and fiber optics, etc.) to collect record information to identify the locations of the existing above grade and buried utilities within the limits or immediately adjacent to each lift station area. This Subtask includes reconciling apparent discrepancies between record information and existing photographic and field verification information.

Subtask 2.3 Survey Verification

CONSULTANT shall provide survey services through its subconsultant, consisting of site boundary and 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 surveys shall be performed at Lift Stations 5195 and 8119. Topographic survey data shall be collected at 25-foot 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 areas, including, but not limited to, 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: Florida Power & Light Company (FPL), AT&T, cable TV, natural gas, potable water (pipe diameter, pipe material, top of pipe (TOP), valves, fire hydrants, and meters), force mains (pipe diameter, pipe material, TOP, and valves), sanitary sewer (pipe diameter, pipe material, manhole, inverts and direction, rim elevations, laterals, and clean-outs), storm sewers (pipe diameter, pipe material, manhole inverts and direction, catch basins, and rim/grate elevations), and all other accessible structures and facility piping.
 - c. Elevations within each lift station area shall be indicated on a minimum 25-foot grid (based on North American Vertical Datum of 1988 [NAVD 88]), 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. Site boundary surveys shall be performed at Lift Stations 5195 and 8119. The boundary surveys shall identify platted Rights-of-Way (ROWs), property boundaries, lot numbers, addresses, block numbers, dedicated easements and encumbrances at all lift stations. Title searches shall be performed at each site as required to identify all encumbrances, easements, ROWs, etc. Boundary survey extents shall be shown to 25 feet beyond the established boundary or easement at each lift station site.
3. The above boundary and topographical survey data will be prepared in AutoCAD (Version 2016) format at a scale of 1 inch = 20 feet. The AutoCAD drawing shall also include:
 - a. Location of utility potholing performed at all project lift stations.
 - b. Location of buried structures and utilities discovered during subsurface utility targeting at each lift station site.
4. Upon receipt of the survey data, CONSULTANT shall "ground truth" the new information through field verification. CONSULTANT shall perform a field visit at each lift station site. A photograph log of the walk-through will be included. Potential existing conflicts will be identified.
5. For Lift Station 5195, topographic and boundary surveys will be provided over the Lift Station 5195 site. A topographic survey will be provided over the private lift station site and along ROW of South 57th Avenue between Lake Worth Road and South 38th Court.
6. For Lift Station 8119, topographic and boundary surveys will be provided over the proposed Lift Station 8119 site. A topographic survey will be provided over the ROW of Southwest 12th Street from Southwest Avenue E to West Avenue A, West Avenue A from SW 12th Street to Northwest 11th Street, and Northwest 11th Street from West Avenue A to approximately 700 feet north.
7. It is anticipated that PBCWUD may be required to acquire and record appropriate land use easements from potentially affected property owners for the new site for Lift Station 8119. The cost of providing the services of a professional land surveyor to prepare signed and sealed sketch and description for the Lift Station 8119 site in portable document format (PDF) is included in the subconsultant survey fee. PBCWUD shall be responsible for securing and recording all required easements. CONSULTANT shall provide Geographic Information System (GIS) sketch showing proposed easement for two (2) locations.

Subtask 2.4 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, as well as pipe diameter and material of affected utilities within the project limits. It is estimated that a maximum of thirty (30) utility locations will need to be pot-holed between the two (2) sites. The professional underground services company shall also provide subsurface utility targeting at each lift station site and along the alignment of the future force mains. 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. CONSULTANT shall provide a subsurface investigation report. The cost of providing

the professional underground services company will be treated as a utility allowance with an authorized upper limit.

Subtask 2.5 Geotechnical Evaluation

CONSULTANT shall furnish the services of a professional geotechnical engineer to provide subsurface investigations of the project area that will include:

1. Perform up to two (2) standard penetration test (SPT) borings to a depth of 15 feet below grade along the alignment of the re-routed force main for the private lift station as part of the Lift Station 5195 project.
2. Perform up to five (5) SPT borings to a depth of 20 feet below grade along the alignment of the force main from the proposed Lift Station 8119 site to the ultimate discharge connection and along the gravity sewer that is to be re-routed to the proposed Lift Station 8119 site.
3. Perform three (3) SPT borings at Lift Station 8119 to a depth of 30 feet below grade, as required. The SPT boring shall be located within the limits of the footprint of the proposed wet well at the proposed Lift Station 8119 site.
4. Evaluate field data collected and provide geotechnical engineering evaluation report.
5. One (1) hard copy of the signed and sealed geotechnical engineering evaluation report shall be provided to PBCWUD along with an electronic copy.

Task 2 Deliverables:

- Topographical and boundary surveys
- Signed and sealed legal description for easement for Lift Station 8119
- Subsurface investigation report
- Geotechnical engineering evaluation report

Task 3 – Design Services

Task 3.1 Preliminary Design Report (PDR)

PBCWUD requests CONSULTANT to evaluate the design of a new lift station that will replace Lift Station 8119. CONSULTANT shall provide engineering services to develop one (1) PDR for Lift Station 8119. CONSULTANT shall evaluate the existing and future wastewater flows to the year 2040 to develop a minimum footprint design that is based on the latest standards, input and low profile control panel layout from PBCWUD. The minimum slab elevation shall be determined by the Palm Beach County Health Department and City of Belle Glade. This minimum footprint design will be utilized by PBCWUD for public outreach purposes to identify a new location for Lift Station 8119 prior to CONSULTANT preparing the DRAFT PDR.

This subtask shall include:

1. CONSULTANT shall review and summarize the capacity and equipment characteristics for Lift Station 8119. Data will include: number of pumps, pump make/model, design capacity, run times, daily start/stops and daily wastewater flows.
2. CONSULTANT shall utilize pump run time data (previous one [1] to two [2] years) and pump curve data for Lift Station 8119 to establish current (baseline) wastewater flows.

3. CONSULTANT shall perform a Traffic Area Zone (TAZ) analysis for Lift Station 8119 basin area to the year 2040 for the design of Lift Station 8119 and the discharge force main up to the tie-in location.
4. CONSULTANT shall perform field pump drawdown tests with PBCWUD at Lift Station 8119 to confirm the pump operating capacities and system pressures. CONSULTANT shall compare the field data with the historical operations data (flow, pump run times and daily start/stops).
5. CONSULTANT shall perform a desktop analysis of the discharge force main for Lift Station 8119 up to the tie-in location.
6. Upon completion of the desktop analysis, CONSULTANT shall evaluate and develop conceptual design criteria for the proposed improvements to the Lift Station 8119. The following design criteria shall be considered:
 - a. Number of pumping units
 - b. Pump capacities
 - c. Suction and discharge pressure criteria
 - d. Discharge pipe sizing and material types
 - e. Site layout
 - f. Process control and instrumentation
 - g. Site electrical requirements
7. CONSULTANT shall prepare a conceptual level, Engineer's Opinion of Probable Construction Cost (EOPCC) estimate for the implementation of the suggested improvements at each lift station site including demolition/decommissioning.
8. CONSULTANT shall prepare a conceptual level sketch for Lift Station 8119 including lift station layout, re-routing collection piping, and force main piping. Details of the lift station equipment within the wet well and valve vault, electrical panels, and electrical controls will not be provided. Dimensions, bearings, distances of existing easements, ROWs, and site improvements are shown for reference only.
 - a. Lift Station 8119 – Two (2) sketches of lift station relocation, re-routed collection and force main piping.

Subtask 3.1a DRAFT PDR

1. CONSULTANT shall prepare and submit three (3) hard copies and one (1) PDF of the DRAFT PDR for Lift Station 8119 which summarizes the findings and conclusions of the evaluation.

Subtask 3.1b FINAL PDR

1. Upon receipt of comments from PBCWUD, CONSULTANT shall address and/or incorporate any comments into the FINAL PDR. Four (4) hard copies and one (1) PDF of the FINAL PDR shall be prepared and submitted to PBCWUD.

Subtask 3.2 Design Drawings

CONSULTANT shall prepare construction documents which shall include design drawings consisting of: sheet, general notes, civil plan drawings, mechanical, electrical, and miscellaneous detail sheets conforming to the requirements of PBCWUD's minimum construction standards. CONSULTANT shall prepare the engineering design elements on topographic survey information prepared by CONSULTANT's surveyor using AutoCAD (Version 2016) and available as-built drawings. CONSULTANT shall coordinate with PBCWUD in order to design the proposed lift station improvements in accordance with the requirements and design standards of PBCWUD.

CONSULTANT shall prepare the design drawings utilizing the CONSULTANT's standard layering system. Three (3) sets of hard copy 22x34 and two (2) sets of hard copy 11x17 drawings, plus one (1) set of PDF files in electronic format Universal Serial Bus (USB) drive shall be submitted for PBCWUD's review at 60% and 90% design completion stages. CONSULTANT shall meet with PBCWUD to discuss comments, and incorporate comments into final 100% documents.

CONSULTANT shall furnish PBCWUD with four (4) sets of hard copy 22x34 and two (2) sets of hard copy 11x17, 100% construction documents, plus one (1) set of PDF and AutoCAD (Version 2016) files in electronic format on USB drive.

Subtask 3.3 Technical 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 each lift station site. The technical specifications shall conform to the requirements of PBCWUD's Minimum Engineering and Construction Standards and Approved Materials and Equipment List.

CONSULTANT shall prepare the technical specifications in Microsoft Word format. Three (3) sets of hard copy technical specifications shall be submitted for PBCWUD's review at 60% and 90% completion stages. CONSULTANT shall meet with PBCWUD to discuss comments and incorporate comments into the final 100% documents.

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

Subtask 3.4 Engineer's Opinion of Probable Construction Cost (EOPCC)

At the 60%, 90% and 100% design completion stages, CONSULTANT shall prepare a detailed EOPCC based upon the level of design drawings and technical specifications approved by PBCWUD. The EOPCC 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 EOPCC shall be submitted at the 60% and 90% design completion stages. Four (4) hard copies of the EOPCC shall be submitted at the 100% completion stage. One (1) electronic copy in Microsoft Excel and PDF formats shall be submitted at each design stage.

Subtask 3.5 Community Outreach Support

CONSULTANT shall attend a total of four (4) community outreach meetings prior to construction with the homeowners/property owners in the project area. The meeting shall be coordinated by PBCWUD or their designated Community Outreach Consultant. This will also include assistance with the development of presentation materials for the public meeting with the affected residents/property owners.

Task 3 Deliverables

- PDRs for Lift Station 8119
- Design drawings for 60%, 90% and 100% design stages
- Technical specifications for 60%, 90% and 100% design stages
- EOPCC for 60%, 90% and 100% design stages

Task 4 - Permitting

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

- Palm Beach County Health Department (Wastewater Collection/Transmission Permit).
- Florida Department of Transportation (ROW Permit)
- Lake Worth Drainage District (ROW Permit)
- Palm Beach County Engineering (ROW Permit)
- City of Belle Glade Permitting (Building and Engineering Permit)
- City of Greenacres Permitting (Building and Engineering Permit)

Permit applications shall be completed for each of the permitting agencies. Associated permit application fees shall be determined by CONSULTANT and paid by PBCWUD. Services do not include preparing and submitting permit application for South Florida Water Management District (SFWMD) construction dewatering permit (CONTRACTOR will be required to secure this permit if needed for construction).

In addition to preparing and submitting 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) meeting with the staff of each regulatory agency.
- Respond to request(s) for additional information (RFI) from each regulatory agency.

Subtask 4.1 Palm Beach County Health Department Permitting

CONSULTANT shall prepare and submit "Wastewater Collection Construction Permit Applications" to the Palm Beach County Health Department. Based on CONSULTANT's previous experience with permitting separate lift station facilities under the same project, which are not located within the same service area or interconnected, it is estimated that a total of two (2) separate permits will be required for this project. CONSULTANT shall prepare a response for up to one (1) RFI issued by Palm Beach County Health Department per lift station site.

Subtask 4.2 Florida Department of Transportation (FDDT) Permitting

CONSULTANT shall prepare and submit up to one (1) FDOT "ROW Application." The scope includes the preparation and submission of the required permit application documents for the proposed scope of work to be completed at Lift Station 5195 only. CONSULTANT shall prepare a response for up to one (1) RFI issued by FDOT.

Subtask 4.3 Lake Worth Drainage District (LWDD) Permitting

CONSULTANT shall prepare and submit up to one (1) LWDD "ROW Utility Permit Application" (if required). The scope includes the preparation and submission of the required permit application documents for the proposed scope of work to be completed at Lift Station 5195 only.

CONSULTANT shall prepare a response for up to one (1) RFI issued by LWDD.

Subtask 4.4 Palm Beach County Engineering Permitting

CONSULTANT shall prepare and submit up to one (1) Palm Beach County Engineering "ROW Utility Permit Application" (if required). The scope includes the preparation and submission of the required permit application documents for the proposed scope of work to be completed at Lift Station 5195. CONSULTANT shall prepare a response for up to one (1) RFI issued by the Palm Beach County Engineering Department.

Subtask 4.5 City of Greenacres Permitting

CONSULTANT shall prepare and submit for the City of Greenacres "Application for Building Permit" (if required) to initiate the building department review process for the proposed scope of work to be completed for Lift Station 5195. CONSULTANT shall prepare a response for up to one (1) RFI issued by the City of Greenacres Engineering Department. Upon bidding and selection of a CONTRACTOR, the selected CONTRACTOR will be required to assume the permit prior to formal issuance of the permit by the City of Greenacres.

CONSULTANT shall prepare and submit for the City of Greenacres engineering permit (if required) to construct within the ROWs of the City of Greenacres for the proposed scope of work to be completed for Lift Station 5195. CONSULTANT shall prepare a response for up to one (1) RFI issued by the City of Greenacres Engineering Department.

Subtask 4.6 City of Belle Glade Permitting

CONSULTANT shall prepare and submit for the City of Belle Glade "Application for Building Permit" (if required) to initiate the building department review process for the proposed scope of work to be completed for Lift Station 8119. CONSULTANT shall prepare a response for up to one (1) RFI issued by the City of Belle Glade Engineering Department. Upon bidding and selection of a CONTRACTOR, the selected CONTRACTOR will be required to assume the permit prior to formal issuance of the permit by the City of Belle Glade.

CONSULTANT shall prepare and submit for the City of Belle Glade engineering permit (if required) to construct within the ROWs of the City of Belle Glade for the proposed scope of work to be completed for Lift Station 8119. CONSULTANT shall prepare a response for up to one (1) RFI issued by the City of Belle Glade Engineering Department.

Task 4 Deliverables

- Permit from Palm Beach County Health Department
- Permit from Florida Department of Transportation
- Permit from Lake Worth Drainage District (if required)
- Permit from Palm Beach County Engineering (if required)
- Permit review from City of Belle Glade (CONTRACTOR to complete building permit process)
- Permit review from City of Greenacres (CONTRACTOR to complete building permit process)

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 work shall be

awarded under a single Construction Contract. CONSULTANT shall provide up to twenty (20) sets of bid documents in PDF format on USBs. PBCWUD shall receive and process deposits for bidding documents and shall maintain a record of prospective bidders to whom bidding documents have been issued.

Subtask 5.2 Pre-Bid Conference

CONSULTANT shall attend pre-bid conference and attend site visits with CONTRACTORS in conjunction with PBCWUD and provide a written summary of issues discussed.

Subtask 5.3 Bid Clarification/Addenda

CONSULTANT shall issue addenda and shall provide supplemental information or clarification(s), 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 reference checks. CONSULTANT shall submit to PBCWUD written recommendation concerning contract award to the lowest responsive responsible bidder.

Subtask 5.5 Conformed Contract Documents

CONSULTANT shall prepare conformed contract documents for use by the CONTRACTOR during construction which shall incorporate any changes issued by Addendum during the bidding phase of the project.

Deliverables

- Bid documents in PDF format on USBs
- Addenda
- Recommendation of bid award
- Conformed documents

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 Notice to Proceed (NTP).
2. CONSULTANT has been directed by PBCWUD to re-route force main from the private lift station to the gravity sewer system to the north for the Lift Station 5195 project. Analysis of the receiving gravity sewer system and receiving lift station is specifically excluded.
3. CONSULTANT has been directed by PBCWUD to not evaluate the performance of the the private lift station that could be affected by the rerouting of the existing force main as part of the Lift Station 5195 project. Analysis of the performance of the private lift station is specifically excluded.
4. PBCWUD will provide CONSULTANT with operational data including but not limited to pump run times, pump performance curve, lift station construction data and discharge pressure data for Lift Station 8119 within 14 calendar days of NTP.
5. The proposal includes time charges plus expenses, not to exceed, for the survey costs associated with preparing additional topographic survey, boundary survey and signed and sealed sketch and descriptions for Lift Station 8119. The signed and sealed sketch and description is provided to PBCWUD for easement acquisition purposes at Lift Station 8119, as required. PBCWUD shall be responsible for acquiring and recording the easement.
6. PBCWUD will prepare and provide for CONSULTANT review prior to bidding, the front-end documents in electronic format.
7. The contract documents will be prepared as a single contract inclusive of the work required at all lift station sites. No pre-purchase of materials and/or equipment is presumed. Re-bidding of the project is considered an additional services item and is not included in this scope of work.
8. Scope does not include services for addressing a bid protest of the project.
9. 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 are considered additional services and are not currently included in this scope of work.
10. Design shall comply with PBCWUD's Minimum Engineering and Construction Standards, latest edition at the time of NTP issuance.
11. CONSULTANT assumes that there are no contaminated soils or groundwater in the project area.
12. PBCWUD is responsible for all permitting fees, including costs of public notification in local newspapers.
13. PBCWUD shall acquire approval from the property owner to construct Lift Station 8119 prior to the development of the DRAFT PDR for Lift Station 8119. Once approval is received, the

DRAFT PDR will reflect the chosen site. Upon approval of the FINAL PDR, additional survey will then be performed for the development of the contract documents.

14. The evaluation of flows downstream of the discharge force main tie-in locations (including downstream force mains and gravity mains and Lift Station 8101) is 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 %	Approved	
							By	Date
1	17-048	Glades Leak Detection	Closed	\$ 71,813.76	\$ -	0.00%	CRC	8/2/2017
2	17-047	Force Main Improvements on Lyons Road from Norte Lago to Palmetto Park Road	Closed	\$ 89,576.84	\$ 32,320.00	36.08%	CRC	8/2/2017
2.1	17-047	Force Main Improvements on Lyons Road from Norte Lago to Palmetto Park Road	Closed	\$ 15,034.37	\$ 7,425.00	49.38%	Director	3/1/2018
3	17-064	Improvements to Lift Stations 393, 1023, and 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, and Abidjan Estates Lift Station	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	Approved	\$ 75,896.72	\$ 31,560.00	41.58%	CRC	1/15/2020
5	18-064	Repump Station No. 8310 Upgrades and Improvements	Closed	\$ 45,488.58	\$ 8,710.00	19.14%	Director	9/25/2018
6	18-059	Alternate Current Mitigation Testing for F.P.L. Reclaimed Water Main; 2018-2022	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	Water Treatment Plant No. 2 Safety Specifications	Closed	\$ 6,124.96	\$ -	0.00%	Director	4/30/2019
9	19-061	Western Region Water Leak Detection Phase 1	Closed	\$ 74,426.23	\$ -	0.00%	CRC	8/21/2019
10	18-064	Repump Station No. 8310 Upgrades and Improvements	Approved	\$ 170,472.92	\$ 55,090.00	32.31%	BCC	3/10/2020
10.1	18-064	Repump Station No. 8310 Upgrades and Improvements	Pending	\$ 63,248.54				
11	20-001	Water Treatment Plant #2 Energy Isolation and Safety Procedures	Approved	\$ 76,219.71	\$ -	0.00%	CRC	5/20/2020
12	20-013	Green Cay - Phase 2	Approved	\$ 78,899.23	\$ 57,250.00	72.56%	CRC	2/5/2020
13	20-024	Operation and Condition Assessments for Repump Stations System 5 and 9-South	Approved	\$ 181,476.44	\$ 77,680.00	42.80%	BCC	6/2/2020
14	20-032	Operation and Condition Assessment for Repump Station 4100	Approved	\$ 94,928.23	\$ 49,600.00	52.24%	CRC	7/15/2020
15	20-034	Flow Analyses for Repump Stations System 5, 9-South, and 4100	Approved	\$ 95,072.33	\$ -	0.00%	CRC	5/27/2020
16	20-047	Improvements to Lift Stations 5195 and 8119	Pending	\$ 209,798.99	\$ 90,721.60	43.24%	BCC	TBD
17	20-050	WTP No. 8 Energy Isolation and Safety Procedures	Approved	\$ 96,060.99	\$ -	0.00%	CRC	9/16/2020
18	20-055	ECRWRF Reuse Facility Improvements	Approved	\$ 21,178.73	\$ -	0.00%	Director	8/27/2020
19	20-061	Engineering Services During Construction for Rehabilitation for Master Repump Station 9-North, Repump Station 8310 and Five (5) Lift Stations	Pending	\$ 498,278.43				
20	20-068	Water Treatment Plant No. 11 Energy Isolation and Safety Procedures	Pending	\$ 82,449.86				
21	20-070	Western Region Wastewater Treatment Facility Energy Isolation and Safety Procedures	Pending	\$ 68,523.86				
22	20-069	Western Region North Wastewater Treatment Facility Energy Isolation and Safety Procedures	Pending	\$ 40,498.91				
23	20-075	Appraisal Services	Pending	\$ 42,609.93				
24	21-002	Palm Beach County Facilities Main County Courthouse HVAC Chill Water System	Pending	\$ 213,198.92				

Revised 06/09/2020

ATTACHMENT C

OEBO SCHEDULE 1

Office of Equal Business Opportunity Compliance Programs

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

Improvements to Lift Stations 5195 and 8119

SOLICITATION/PROJECT/BID NAME: _____

NAME OF PRIME RESPONDENT/BIDDER: Baxter & Woodman, Inc.

CONTACT PERSON: Rebecca Travis

SOLICITATION OPENING/SUBMITTAL DATE: June 20, 2017

SOLICITATION/PROJECT/BID No.: 20-047

ADDRESS: 477 S Rosemary Avenue, Suite 330, West Palm Beach, Florida 33401-5798

PHONE NO.: 561-655-6175 E-MAIL: rtravis@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				
	Non-SBE	M/WBE	SBE	Black	Hispanic	Women	Caucasian	Other (Please Specify)
1. Baxter & Woodman, Inc. 477 S Rosemary Avenue, Suite 330 West Palm Beach, Florida 33401 561-655-6175	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	\$119,077.39/56.75%	_____
2. Garlek Engineering Corporation 7210 SW 39th Terrace Miami, Florida 33155 305-266-8997	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	\$32,780.00/15.62%	_____	_____	_____
3. Radise International, L.C. 4152 W Blue Heron Boulevard, Suite 1114 Riviera Beach, Florida 33404 561-841-0103	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_____	\$14,511.60/6.91% Asian
4. Craig A. Smith & Associates, Inc. 21045 Commercial Trail Boca Raton, Florida 33486 561-314-4445	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	\$43,430.00/20.70%	_____
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
Total				_____	\$32,780.00/15.62%	_____	\$162,507.39/77.45%	\$14,511.60/6.91%

(Please use additional sheets if necessary)

Total Bid Price \$ \$209,798.99

Total SBE - M/WBE Participation \$90,721.60/43.24%

I hereby certify that the above information is accurate to the best of my knowledge: Rebecca Travis Signature

Vice President Title

- Note:
- 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.
 - 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.
 - 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 06/09/2020

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: 20-047
SOLICITATION/PROJECT NAME: Improvements to Lift Stations 5195 and 8119

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): 11/18/2019 - 11/17/2022

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	\$32,780.00	1		\$32,780.00/15.62%

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: \$32,780.00/15.62%

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

Rebecca Travis

Print Name

Vice President

Title

Date:

9/3/2020

Gartek Engineering Corporation

Print Name of Subcontractor/subconsultant

By:

Authorized Signature

Melquiades F. Garcia

Print Name

Vice President

Title

Date:

8/31/20

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: 20-047
SOLICITATION/PROJECT NAME: Improvements to Lift Stations 5195 and 8119

Prime Contractor: Baxter & Woodman, Inc. Subcontractor: RADISE International, L.C.

(Check box(s) that apply)

☒SBE ☐WBE ☒MBE ☐M/WBE ☐Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 12/13/2017 - 12/12/2020

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 checked="" type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input 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.

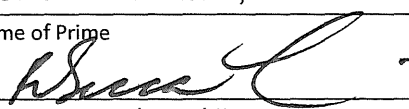
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
Task 2	Data Collection	\$14,511.60	1		\$14,511.60/6.91%

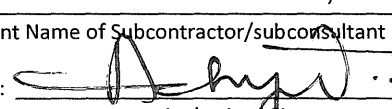
The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$14,511.60/6.91%

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
Rebecca Travis
Print Name
Vice President
Title
Date: 9/3/2020

RADISE International, L.C.
Print Name of Subcontractor/subconsultant
By: 
Authorized Signature
Kumar Achyut Allady
Print Name
CEO
Title
Date: 08/28/2020

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: 20-047
SOLICITATION/PROJECT NAME: Improvements to Lift Stations 5195 and 8119

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 ☐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 2	Data Collection	\$43,430.00	1		\$43,430.00/20.70%

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: \$43,430.00/20.70%

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

Rebecca Travis

Print Name

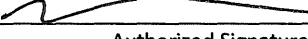
Vice President

Title

Date: 9/3/2020

Craig A. Smith & Associates, Inc.

Print Name of Subcontractor/subconsultant

By: 
Authorized Signature

Robert D. Keener

Print Name

Vice President

Title

Date: 8/27/20

Revised 09/17/2019

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	435
Task 2 – Data Collection	
Subtask 2.3 Survey Verification	150
Subtask 2.4 Field Verification	150
Subtask 2.5 Geotechnical Evaluation	180
Task 3 – Design Services	
Subtask 3.1a DRAFT Preliminary Design Report	120
Subtask 3.1b FINAL Preliminary Design Report	180
Subtask 3.2 Design Drawings	
60%	240
90%	315
100%	390
Subtask 3.3 Technical Specifications	
60%	240
90%	315
100%	390
Subtask 3.4 EOPCC	
60%	240
90%	315
100%	390
Subtask 3.5 Community Outreach Support	435
Task 4 – Permitting	390
Task 5 – Bidding Phase Services	435
Total Duration	435

Revised 06/09/2020

ATTACHMENT - E
BUDGET SUMMARY

Palm Beach County Water Utilities Department
Contract For Consulting/Professional Services General Utility, Architectural and Value Engineering Services
Resolution No. R2017-0815 Contract Dated June 20, 2017
Consultant Service Authorization: 16
Consultant : Baxter & Woodman, Inc.
Project Title: Improvements to Lift Stations 5195 and 8119
WUD Project No.: 20-047

		Labor Classification and Hourly Rates								
Task No.	Task Description	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	Total Labor	Sub- Consultant Services
1	Project Management									
1.1	Overall Project Management	15	30					7	\$2,564.57	
1.2	Project Meetings									
1.2a	Kick-off @ PBCWUD		2	4				1	\$268.69	
1.2b	Site Meeting (Lift Station 5195)		4	6				1	\$442.15	
1.2c	Site Meeting (Lift Station 8119)		4	6				1	\$442.15	
1.2d	PDR Draft Review Meeting		4	6				1	\$442.15	
1.2e	60% Design Review Meeting		4	6				1	\$442.15	
1.2f	90% Design Review Meeting		4	6				1	\$442.15	
1.3	Quality Assurance/Quality Control (QA/QC)	6	12			8		1	\$1,302.97	
	Subtotal Task 1	21	64	34	0	8	0	14	\$6,346.98	\$0.00
2	Data Collection									
2.1	Record Drawing Verification		8	16					\$979.52	
2.2	Utility Coordination		2	8					\$387.72	
2.3	Survey Verification		2	4					\$244.88	
2.4	Field Verification		2	16					\$673.40	
2.5	Geotechnical Evaluation		1	2					\$122.44	
	Subconsultant Survey (Craig A. Smith)									\$24,980.00
	Subconsultant Soft Digs and Targetting (Craig A. Smith) - Allowance									\$18,450.00
	Subconsultant Geotechnical Engineering (Radise)									\$14,511.60
	Subtotal Task 2	0	15	46	0	0	0	0	\$2,407.96	\$57,941.60
3	Design Services									
3.1	Preliminary Design Report (PDR)									
3.1a	Draft Preliminary Design Report	2	15	45	15			1	\$3,047.35	
3.1b	Final Preliminary Design Report	2	5	15	5			1	\$1,108.75	
3.2	Design Drawings									
3.2a	60% Design Drawings	4	20	40	75			2	\$5,405.95	
3.2b	90% Design Drawings	4	16	30	40			2	\$3,594.82	
3.2c	100% Design Drawings	4	16	24	20				\$2,618.84	
3.3	Technical Specifications									
3.3a	60% Specifications	1	40	60				2	\$4,288.84	
3.3b	90% Specifications	1	10	20				2	\$1,329.84	
3.3c	100% Specifications	1	4	10				2	\$866.62	
3.4	Engineer's Opinion of Probable Construction Cost (EOPCC)									
3.4a	60% EOPCC		2	16				1	\$697.21	
3.4b	90% EOPCC		2	6				1	\$340.11	
3.4c	100% EOPCC	1	1	4				1	\$275.49	
3.5	Community Outreach Support	2	8	16	8			2	\$1,428.46	
	Subconsultant Electrical (Gartek)									\$29,800.00
	Subtotal Task 3	22	139	286	163	0	0	17	\$24,802.38	\$29,800.00
4	Permitting									
4.1	Palm Beach County Health Department Permitting		4	8				2	\$537.38	
4.2	Florida Department of Transportation Permitting		4	8				2	\$537.38	
4.3	Lake Worth Drainage District Permitting		4	8				2	\$537.38	
4.4	Palm Beach County Engineering Permitting		4	8				2	\$537.38	
4.5	City of Greenacres Permitting		4	8				2	\$537.38	
4.6	City of Belle Glade Permitting		4	8				2	\$537.38	
	Subtotal Task 4	0	24	48	0	0	0	12	\$3,224.28	\$0.00
5	Bid Phase Services									
5.1	Bid Advertisement	1	8	8				4	\$846.90	
5.2	Pre-Bid Conference		8	8					\$693.84	
5.3	Bid Clarification/Addenda	1	2	8				4	\$540.78	
5.4	Contract Award	1	1	2					\$180.26	
5.5	Confirmed Contract Documents	1	2	8	4			8	\$778.86	
	Subconsultant Electrical (Gartek)									\$2,980.00
	Subtotal Task 5	4	21	34	4	0	0	16	\$3,040.64	\$2,980.00
	Labor Subtotal Hours	47	263	448	167	8	0	59		
	Labor Raw Costs	\$2,717.54	\$13,418.26	\$15,998.08	\$5,963.57	\$320.00	\$0.00	\$1,404.79	\$39,822.24	
	Labor Multiplier	2.94	2.94	2.94	2.94	2.94	2.94	2.94		
	Labor Subtotal	\$7,989.57	\$39,449.68	\$47,034.36	\$17,532.90	\$940.80	\$0.00	\$4,130.08	\$117,077.39	
	Labor Total Costs	\$117,077.39								
	Subconsultant Costs Not Subject to Multiplier	\$90,721.60								\$90,721.60
	Subconsultant Costs Subject to Multiplier	\$0.00								
	Subconsultant Multiplier	1.0								
	Subconsultant Costs Total	\$90,721.60								
	Reimbursable Expenses	\$2,000.00								
	Project Total	\$209,798.99								

Time charges plus expenses, not to exceed = \$20,450.00
Fixed Price = \$189,348.99
Total = \$209,798.99

Revised 06/09/20

Improvements to Lift Stations 5195 and 8119 Reproduction Reimbursement Calculation				
<u>Drawings</u>		<u>Pages</u>		
Cover		1		
General Notes and Legend		1		
Lift Station 5195 Survey		1		
Lift Station 8119 Survey		1		
Lift Station 5195 Existing Site Plan		1		
Lift Station 5195 Existing Site Demolition Plan		1		
Lift Station 5195 FM Abandonment Plan		2		
Lift Station 5195 Force Main		2		
Lift Station 8119 Existing Site Plan		1		
Lift Station 8119 Existing Demolition Plan		1		
Lift Station 8119 Proposed Site Plan		1		
Lift Station 8119 Force Main/Profile		5		
General Details		3		
Standard Details		8		
Electrical General Notes		1		
Electrical Demolition 5195		1		
Electrical Demolition 8119		1		
Electrical Site Plan, Electrical Rack and Riser Diagram		1		
Electrical Standard Details		4		
Total Pages		37		
<u>Description</u>	<u>Each</u>	<u>Pages</u>	<u>Cost/Page</u>	<u>Cost</u>
60% Submittal				
11X17	2	37	\$0.23	\$17.02
22X34	3	37	\$0.58	\$64.38
90% Submittal				
11X17	2	37	\$0.23	\$17.02
22X34	3	37	\$0.58	\$64.38
100% Submittal				
11X17	2	37	\$0.23	\$17.02
22X34	4	37	\$0.58	\$85.84
Subtotal Cost of Drawings				\$265.66
<u>Technical Specifications</u>		<u>Pages</u>		
Based on Improvements to Lift Stations 393, 1023 and 8168		900		
Reduced by 25 pages		875		
Total Pages		875		
<u>Description</u>	<u>Each</u>	<u>Pages</u>	<u>Cost/Page</u>	<u>Cost</u>
60% Submittal	3	875	\$0.07	\$183.75
3-Ring 3" Binder	3		\$25.50	\$76.50
Dividers	3		\$5.00	\$15.00
90% Submittal	3	875	\$0.07	\$183.75
3-Ring 3" Binder	3		\$25.50	\$76.50
Dividers	3		\$5.00	\$15.00
100% Submittal	4	875	\$0.07	\$245.00
3-Ring 3" Binder	4		\$25.50	\$102.00
Dividers	4		\$5.00	\$20.00
Subtotal Cost of Technical Specifications				\$917.50
Total Reproduction Reimbursement Cost				\$1,183.16

Improvements to Lift Stations 5195 and 8119 Mileage Calculation

[illegible]



Mechanical Electrical,
Plumbing and Fire
Protection Engineers

August 5th, 2020

Mathews Consulting
Baxter Woodman Company
477 S. Rosemary Avenue, Suite 330
West Palm Beach, FL. 33401

Via-E-Mail*

SPrinayavivatkul@baxterwoodman.com

Attn: Mr. Sira J. Prinyavivatkul

**Re: Fee Proposals: Lift Station 5195 Demolition, Lake Worth
Lift Station 8119, Replacement, Belle Glade**

Dear Jockey:

This is to present our proposal for Electrical Engineering Services for the referenced projects. The scope of our services is as indicated below:

Lift Station 5195 - Demolition

1. Review existing documentation.
2. Attendance at the following:
 - a. One on-site meeting for verification of existing conditions to be incorporated into the demolition plans.
 - b. Participation in one meeting with the WUD during design.
3. Preliminary design report (electrical discipline).
4. Coordination with Electric Utility company for removal of service
5. Electrical demolition plans
6. Submittals at 60%, 90%, Bid/Permit.
7. Electrical Specifications will be on drawings, not book specs.
8. Preparation of one estimate of probable cost.
9. Responses to permitting agencies comments in a timely manner
10. Participation in one pre-bid conference at site
11. An allowance for responses to contractor bid RFI's

The following is not included in the scope of services:

1. Electrical services related to re-routed force main.
2. Electrical services related to LS 5195.
3. Meetings with staff of permitting or regulatory agencies
4. Multiple meetings with the PBCWUD during design.
5. Reproduction costs other than internal for Gartek.
6. Assistance evaluating bids and contract award
7. Services during construction

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

August 5th, 2020

Baxter Woodman Company

Page 2 of 3

**Re: Fee Proposals: Lift Station 5195 Demolition, Lake Worth
Lift Station 8119, Replacement, Belle Glade**

Our fee for the **Demolition of LS 5195** is as indicated below and in more detail on the attached spreadsheet.

Site Visit and Documentation	\$ 2,080
60% Submittal	\$ 5,020
90% Submittal	\$ 440
100% Submittal	\$ 440
Bid/Permit Phase	\$ 840
Demolition -Lake Worth Total LS 5195	\$ 8,820

Lift Station 8119 – Relocation

1. Review existing documentation.
2. Attendance at the following:
 - a. One on-site meeting for verification of existing conditions to be incorporated into the plans.
 - b. Participation in Draft preliminary Design Report meeting
 - c. 60% Review Meeting
 - d. 90% Review Meeting
3. Preliminary design report (electrical discipline).
4. Coordination with Electric Utility company for removal of existing service and new electrical service.
5. Electrical demolition plans
6. Construction Documents Submittals at 60%, 90%, Bid/Permit. Includes:
 - a. Electrical systems
 - b. Electrical Service
 - c. PBCWUD rack mounted low profile control panel
 - d. Provisions for connection of portable generator
 - e. Remote telemetry, conduit, and wiring
7. Electrical Specifications in book form.
8. Preparation of estimate of probable cost, updates at 90% and 100% submittals
9. Responses to permitting agencies comments in a timely manner
10. Participation in one pre-bid conference at site
11. An allowance for responses to contractor bid RFI's

The following is not included in the scope of services:

1. Participation in Community Outreach.
2. Meetings with staff of permitting or regulatory agencies

Gartek Engineering Corporation

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August 5th, 2020

Baxter Woodman Company

Page 3 of 3

**Re: Fee Proposals: Lift Station 5195 Demolition, Lake Worth
Lift Station 8119, Replacement, Belle Glade**

3. Reproduction costs other than internal for Gartek.
4. Assistance evaluating bids and contract award
5. Services during construction

Our fee for the **LS 8119 – Relocation** is as indicated below and in more detail on the attached spreadsheet.

Site Visit, Documentation, two alternate locations	\$ 4,640
60% Submittal	\$10,840
90% Submittal	\$ 4,720
100% Submittal	\$ 1,620
Bid/Permit Phase	\$ 2,140
Relocation – Belle Glades	Total LS 8119 \$23,960

Construction documents shall be prepared in conformance with PBCWUD's Engineering and Construction Standards, current edition.

Thank you for the opportunity to present this proposal, please review and let me know if I can help clarify any items

Best regards
GARTEK ENGINEERING, CORP.,

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

Authorized by **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

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www.gartek-engineering.com

<div>Gartek</div>		Project: PBC WUD Lift Station 5195 (Demolition), and 8119 (Relocation)															5-Aug-20			
		div/0 correction 31-Aug-20																		
Gartek Engineering Corp		Client: BAXTER & WOODMAN			LS5195 Demolition only										PROPOSED FEE BREAKDOWN					
Position:	PRINCIPAL MECHANICAL		PRINCIPAL ELECTRICAL		FIRE PROT ENGINEER		PLUMBING ENGINEER		HVAC ENGINEER		ELECTRICAL ENGINEER		TECHNICIAN CAD		MISC Other		TOTAL			
Rate (\$/Hour):	\$180.00		\$180.00		\$170.00		\$140.00		\$140.00		\$140.00		\$80.00		\$50.00		M-H	Cost	Avg. Hrly Rate	
	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost				
Preliminary																				
Review existing documentation	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	\$280	0	\$0	0	\$0	2	\$280	\$140	
One site visit and documentation of existing conditions	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	8	\$1,120	4	\$320	0	\$0	12	\$1,440	\$120	
Report	0	\$0	2	\$360	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	\$360	\$180	
Sub-Total Preliminary	0	\$0	2	\$360	0	\$0	0	\$0	0	\$0	10	\$1,400	4	\$320	0	\$0	16	\$2,080	\$130	
60% Submittal																				
Demolition Plans	0	\$0	1	\$180	0	\$0	0	\$0	0	\$0	16	\$2,240	8	\$640	0	\$0	25	\$3,060	\$122	
Coordination with Electric Utility	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	4	\$560	0	\$0	0	\$0	4	\$560	\$140	
Allowance for one WUD meeting	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	4	\$560	0	\$0	0	\$0	4	\$560	\$140	
Address WUD Comments	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	\$280	0	\$0	0	\$0	2	\$280	\$140	
Estimate of probable cost	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	4	\$560	0	\$0	0	\$0	4	\$560	\$140	
60% Submittal	0	\$ -	1	\$ 180	0	\$0	0	\$0	0	\$0	30	\$4,200	8	\$640	0	\$0	39	\$5,020	\$129	
90% Submittal																				
Address WUD comments, Update plans	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	\$280	2	\$160	0	\$0	4	\$440	\$110	
90% Submittal	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	\$280	2	\$160	0	\$0	4	\$ 440	\$110	
100% Submittal																				
Address WUD comments, Update plans	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	\$280	2	\$160	0	\$0	4	\$440	\$110	
Sub-Total Construction Documents	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	\$280	2	\$160	0	\$0	4	\$440	\$110	
Bid/Permit Phase																				
Pre-Bid meeting and walk through	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	4	\$560	0	\$0	0	\$0	4	\$560	\$140	
Allowance for contractor bid RFI's, addenda	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	\$280	0	\$0	0	\$0	2	\$280	\$140	
Sub-Total Bid/Permit Phase	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	6	\$840	0	\$0	0	\$0	6	\$840	\$140	
Construction Phase (NIC)																				
Sub-Total Construction Phase																				
Project Closeout (NIC)																				
Sub-Total Closeout																				
TOTAL LUMP SUM FEE: LS5195 Demolition	0	\$0	3	\$540	0	\$0	0	\$0	0	\$0	50	\$7,000	16	\$1,280	0	\$0	69	\$8,820	\$128	

Gartek

Project: PBC WUD Lift Station 5195 (Demolition), and 8119 (Relocation)

5-Aug-20

div/0 correction 31-Aug-20

Gartek Engineering Corp

Client: BAXTER & WOODMAN

LS 8119 Relocation only

PROPOSED FEE BREAKDOWN

Position:	PRINCIPAL MECHANICAL		PRINCIPAL ELECTRICAL		FIRE PROT ENGINEER		PLUMBING ENGINEER		HVAC ENGINEER		ELECTRICAL ENGINEER		TECHNICIAN CAD		MISC Other		TOTAL		
Rate (\$/Hour):	\$180.00		\$180.00		\$170.00		\$140.00		\$140.00		\$140.00		\$80.00		\$50.00		M-H	Cost	Avg. Hrly Rate
	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	M-H	Cost	Rate
Preliminary																			
Review existing documentation	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	\$280	0	\$0	0	\$0	2	\$280	\$140
One site visit and documentation of existing conditions	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	16	\$2,240	4	\$320	0	\$0	20	\$2,560	\$128
Electrical for two (2 alternate locations)	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	8	\$1,120	4	\$320	0	\$0	12	\$1,440	\$120
Report	0	\$0	2	\$360	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	2	\$360	\$180
Sub-Total Preliminary	0	\$0	2	\$360	0	\$0	0	\$0	0	\$0	26	\$3,640	8	\$640	0	\$0	36	\$4,640	\$129
60% Submittal																			
Relocation Plans	0	\$0	1	\$180	0	\$0	0	\$0	0	\$0	8	\$1,120	8	\$640	0	\$0	17	\$1,940	\$114
60% Construction Documents	0	\$0	2	\$360	0	\$0	0	\$0	0	\$0	24	\$3,360	8	\$640	0	\$0	34	\$4,360	\$128
Allowance for FPL coordination	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	8	\$1,120	0	\$0	8	\$400	16	\$1,520	\$95
Specifications	0	\$0	1	\$180	0	\$0	0	\$0	0	\$0	4	\$560	0	\$0	8	\$400	13	\$1,140	\$88
Estimate of probable cost	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	8	\$1,120	0	\$0	0	\$0	8	\$1,120	\$140
WUD Review Meeting, Address Comments	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	4	\$560	0	\$0	4	\$200	8	\$760	\$95
60% Submittal	0	\$0	4	\$720	0	\$0	0	\$0	0	\$0	56	\$7,840	16	\$1,280	20	\$1,000	96	\$10,840	\$113
90% Submittal																			
90% Construction Documents	0	\$0	1	\$180	0	\$0	0	\$0	0	\$0	16	\$2,240	8	\$640	0	\$0	25	\$3,060	\$122
Update Specifications	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	1	\$140	0	\$0	4	\$200	5	\$340	\$68
Update estimate of probable cost	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	4	\$560	0	\$0	0	\$0	4	\$560	\$140
WUD Review Meeting, Address Comments	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	4	\$560	0	\$0	4	\$200	8	\$760	\$95
90% Submittal	0	\$0	1	\$180	0	\$0	0	\$0	0	\$0	25	\$3,500	8	\$640	8	\$400	42	\$4,720	\$112
100% Submittal																			
100% Construction Documents	0	\$0	1	\$180	0	\$0	0	\$0	0	\$0	8	\$1,120	4	\$320	0	\$0	13	\$1,620	\$125
Sub-Total Construction Documents	0	\$0	1	\$180	0	\$0	0	\$0	0	\$0	8	\$1,120	4	\$320	0	\$0	13	\$1,620	\$125
Bid/Permit Phase																			
Pre-Bid meeting and walk through	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	8	\$1,120	0	\$0	0	\$0	8	\$1,120	\$140
Allowance for contractor bid RFI's, addenda	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	4	\$560	2	\$160	6	\$300	12	\$1,020	\$85
Sub-Total Bid/Permit Phase	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	12	\$1,680	2	\$160	6	\$300	20	\$2,140	\$107
Construction Phase (NIC)																			
Sub-Total Construction Phase																			
Project Closeout (NIC)																			
Sub-Total Closeout																			
TOTAL LUMP SUM FEE: LS8119 Relocation	0	\$0	8	\$1,440	0	\$0	0	\$0	0	\$0	127	\$17,780	38	\$3,040	34	\$1,700	207	\$23,960	\$116



July 29, 2020

Mathews Consulting

477 S. Rosemary Avenue, Suite 330
West Palm Beach, FL 33401

Attn.: Mr. Sira Prinyavivatkul, P.E.

Phone: (561) 655-6175

Direct: (561) 425-7718

Email: sprinyavivatkul@baxterwoodman.com

**RE: Geotechnical Engineering Services Proposal
Lift Station Nos. 5195 and 8119 Improvements
Palm Beach County, Florida
RADISE Project No: TBD**

Dear Mr. Prinyavivatkul,

RADISE International, L.C. (RADISE) is pleased to submit this proposal for the above referenced project. This proposal discusses our understanding of the project, presents our proposed scope of work, and establishes our schedule and fee for performing the work.

PROJECT INFORMATION

We understand that the Palm Beach County Water Utilities Department (PBCWUD) has retained Mathews Consulting for the Lift Station No. 5195 and 8119 Improvements Project. The project includes the upgrades of the existing wastewater lift stations.

SCOPE OF SERVICES

The proposed scope of work for the project consists of the following:

1. We will visit the site to field mark (paint and/or stake) the planned boring locations and observe existing site conditions.
2. We will contact Sunshine 811 to request field location and clearance of underground utilities in the areas of the borings as per Florida Statutes.
3. We will mobilize a truck-mounted drilling rig to each site.
4. Perform two (2) standard penetration test (SPT) borings to depths of 15 feet below grade along the alignment of the re-routed force main for the private lift station as part of the Lift Station 5195 project.

5. Perform three (3) SPT borings at Lift Station 8119 to depths of 30 feet below grade. The SPT boring shall be located within the limits of the footprint of the proposed wet well at the proposed Lift Station 8119 site.
6. Perform five (5) SPT borings to a depth of 20 feet below grade along the alignment of the force main from the proposed Lift Station 8119 site to the ultimate discharge connection and included within the re-routing of the gravity sewer to the proposed Lift Station 8119 site.
7. Following completion of the drilling operations, the boreholes will be backfilled with grout.
8. We will visually classify the collected soil samples in the field with laboratory confirmation/QC verification of classifications using the Unified Soil Classification System (USCS).
9. We will assign and perform a series of laboratory test to ascertain soil index properties for the soils encountered in each boring.
10. Perform appropriate geotechnical engineering analyses and prepare a geotechnical engineering report providing the results of the SPT borings, the soil laboratory testing, bearing capacity and foundation recommendations for the proposed facility. Additionally, the report will provide recommendations regarding proposed backfilling and compaction, dewatering, and other considerations for site construction including utility and foundation excavations.

SCHEDULE/DELIVERABLES

Upon receiving written authorization to proceed, we will commence with field marking of the boring locations and preparation of the utility locate request. Mobilization for the drilling operations will occur soon after Sunshine 811 clearance of boring locations is received from the contacted utilities. These two upfront activities are expected to require no more than 2 weeks to complete.

The specified field drilling work is expected to require two days to complete. Laboratory visual classification of the soils and report preparation will require about 2 to 3 weeks to complete following completion of field work. We expect to provide the final report signed and sealed by a registered professional engineer within 4 to 5 weeks of notice to proceed; however, accelerations of this schedule may be facilitated if needed.

COMPENSATION & TERMS

Based upon our understanding of the project and interpretation of your requirements, we propose to perform the scope of work outlined previously for a Lump Sum Fee as detailed in the Fee Breakdown on Attachment A. Our work will be performed in accordance with the General Terms and Conditions included as part of this proposal as Attachment B.

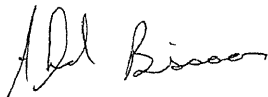


Soil samples obtained from the drilling operations will be retained by RADISE for a period of 90 days from the date of drilling and then they will be discarded unless alternate terms are agreed to in writing with the client.

CLOSURE

RADISE appreciates the opportunity to provide our services for this project, and trust that the scope of work and fee presented in this proposal are clear and understandable. Should the proposal contents require any clarification or amplification, please feel free to contact us.

Sincerely,
RADISE International, L.C.



Akash Bissoon, P.E.
Senior Engineer



Andrew Nixon, P.E.
Operations Manager

Attachments: A – Fee Breakdown
B – General Terms & Conditions





ATTACHMENT A - FEE BREAKDOWN

Geotechnical Engineering Services
PBCWUD Lift Station No. 5195 & 8199 Upgrades
Palm Beach County, Florida

	Qty	Unit	Unit Price	Unit Contract ID	Total
1.0 FIELD EXPLORATIONS					
1.1 Stake borings & Utility Clearance (Staff Engineer)	8	Hour	\$ 105.00	VIII.4	\$ 840.00
1.2 Temporary Traffic Control (TTC) Plan (Staff Engineer)	4	Hour	\$ 105.00	VIII.4	\$ 420.00
1.3 Mobilization of Truck Mounted Drilling Equipment to Project (50-Mile Travel)	1	Each	\$ 360.00	VI.8.1	\$ 360.00
1.4 TTC Cones & Signs	2	Day	\$ 150.00	N/A	\$ 300.00
1.5 SPT Borings (2 to 15', 5 to 20' and 3 to 30')					
1.5.1 Standard Penetration Drilling - Truck w/Std Sampling (0'-50')	220	Foot	\$ 15.00	VI.3	\$ 3,300.00
1.5.2 Casing - 0' to 50' (VI 5)	220	Foot	\$ 6.70	VI.5	\$ 1,474.00
1.5.3 Grout Bore Holes - 0' to 50'	220	Foot	\$ 4.38	VI.4	\$ 963.60
TOTAL FIELD WORK					\$ 7,657.60
2.0 LABORATORY SERVICES					
2.1 Classification QC/Verification (Staff Engineer)	4	Hour	\$ 105.00	VIII.4	\$ 420.00
2.2 Natural Sample Moisture Content	20	Each	\$ 15.00	I.10	\$ 300.00
2.3 Full Grain Size (8 sieves)	0	Each	\$ 85.00	III.1.A	\$ -
2.4 Wash Through (#200)	10	Each	\$ 47.00	III.1.B	\$ 470.00
2.5 Organic Content Test	10	Each	\$ 46.00	I.7	\$ 460.00
TOTAL LABORATORY SERVICES					\$ 1,650.00
3.0 PROFESSIONAL ENGINEERING AND REPORTING SERVICES					
3.1 Senior Geotechnical Engineer	8	Hour	\$ 155.00	VIII.2	\$ 1,240.00
3.2 Project Engineer	16	Hour	\$ 135.00	VIII.3	\$ 2,160.00
3.3 Staff Engineer	12	Hour	\$ 105.00	VIII.4	\$ 1,260.00
3.4 Drafter / CADD	8	Hour	\$ 68.00	VIII.7	\$ 544.00
TOTAL PROFESSIONAL SERVICES					\$ 5,204.00
TOTAL AMOUNT					\$ 14,511.60



ATTACHMENT B - AGREEMENT FOR PROFESSIONAL GEOTECHNICAL SERVICES

STANDARD GENERAL TERMS AND CONDITIONS

This Agreement between **Mathews Consulting ("CLIENT")** and **RADISE International LC ("RADISE")**, a Florida Limited International; 4152 West Blue Heron Blvd., Suite 1114 Riviera Beach, FL 33404 is effective as of the date of signature of the acceptance block of this written proposal. The ordering of Work from RADISE shall constitute acceptance of the terms of RADISE's proposal and these General Conditions. The parties agree as follows:

ARTICLE I – PARTIES AND SCOPE OF WORK - RADISE shall include said company, its individual owners, officers, professionals, employees, agents, division, subsidiary, parent or affiliate and subcontractors performing the Work. "Work" means the specific services to be performed by RADISE as set forth in RADISE's proposal, the CLIENT's acceptance thereof, both incorporated herein by this reference, and these General Conditions. "CLIENT" refers to the person and/or business entity ordering the Work to be done by RADISE. If the CLIENT is ordering the Work on behalf of a third party, the CLIENT represents and warrants that the CLIENT is the duly authorized agent of said third party for the purpose of ordering and directing said Work. In the event CLIENT is not the authorized agent of said third party, CLIENT agrees that he shall be individually liable hereunder. Further, CLIENT shall disclose any such agency relationship to RADISE in writing before the commencement of RADISE's Work hereunder. CLIENT agrees that RADISE's professional duties are specifically limited to the Work as set forth in RADISE's proposal. The CLIENT assumes sole responsibility for determining whether the quantity and the nature of the Work ordered by the CLIENT is adequate and sufficient for the CLIENT's intended purpose. CLIENT shall communicate these General Terms and Conditions to each and every third party to whom the CLIENT transmits any part of RADISE's Work. RADISE's Work is for the exclusive use of CLIENT, and its properly disclosed principal. In no event shall RADISE have any duty or obligation to any third party. No third party shall have the right to rely on RADISE opinions rendered in connection with the Services without RADISE written consent and the third party's agreement to be bound to the same conditions and limitations as CLIENT. In the event that RADISE is requested by CLIENT or is required by subpoena to produce documents or give testimony in any action or proceeding to which CLIENT is a party and RADISE is not a party, CLIENT shall pay RADISE for any time and expenses required in connection therewith, including reasonable attorney's fees.

ARTICLE II – PAYMENT - Payment shall be due within 30 days after the date of invoice. Interest at the rate of 1.5% per month (or the highest rate allowable by law) starting 30 days after date of invoice to date payment is received, may be added to all amounts not paid within 30 days after date of invoice. If payment is not maintained on a thirty (30) day current basis, RADISE shall have the contractual right to suspend further performance of the work until payments are made current. CLIENT shall notify RADISE of any disputed amount within fifteen (15) days from date of the invoice, give reasons for the objection, and shall promptly pay the undisputed amount. All attorney fees and expenses associated with collection of past due invoices will be paid by CLIENT. Failure to timely pay any RADISE invoice shall constitute a waiver of any and all claims by CLIENT or third parties against RADISE.

ARTICLE III – RIGHT-OF-ENTRY - Unless otherwise agreed, CLIENT shall furnish right-of-entry on the property for RADISE to perform the requested testing and/or make the planned borings, surveys, or explorations. RADISE will take reasonable precautions to minimize damage to the property or man-made objects caused by its equipment and sampling procedures, but the cost of restoration or damage repair which may result from the planned and contracted operations, is not included in the contracted amount unless specifically identified and detailed. If the CLIENT desires and requests in writing to restore the property or man-made objects to its former condition, RADISE can accomplish this at an added cost to our fee as approved in advance by the CLIENT.

ARTICLE IV – DAMAGE TO EXISTING MAN-MADE OBJECTS - It shall be the responsibility of the CLIENT or his duly authorized representative, to disclose the presence and accurate location of all hidden or obscure man-made objects relative to field tests, sampling, or boring locations. RADISE will clear field test boring locations with Florida Sunshine One-Call as required by Florida Statutes, as a supplemental disclosure process above that required of the CLIENT. In addition, CLIENT waives any claim against RADISE arising from any damage to land surfaces or existing buried or surficial man-made objects. CLIENT shall: (1) provide RADISE, in writing, all information relating to CLIENT's requirements for the project; (2) correctly identify to RADISE, the location of subsurface structures, such as pipes, tanks, cables and utilities; (3) notify RADISE of any potential hazardous substances or other health and safety hazard or condition known to CLIENT existing on or near the project site; (4) give RADISE prompt written notice of any suspected deficiency in the Services; and (5) with reasonable promptness, provide required approvals and decisions.

ARTICLE V – SAMPLING OR TESTING LOCATIONS - Unless specifically stated to the contrary, the fees included in this proposal do not include costs associated with professional land surveying of the site or the accurate horizontal and vertical locations of tests or for the repair of land damage occurring during the performance of the contracted work. Field tests or boring locations, as described in our report or shown on our sketches, are based on specific information furnished to us by others or estimates of locations made in the field by our inspectors or technicians. Such dimensions, depths or elevations should be considered as approximations unless otherwise stated in the report.

ARTICLE VI – SAMPLE HANDLING AND RETENTION - Generally test samples or specimens are consumed and/or substantially altered during the conduct of tests and RADISE, at its sole discretion, will dispose (subject to the following) of any remaining residue immediately upon completion of test unless required in writing by the CLIENT to store or otherwise handle the samples. (a) NON-HAZARDOUS SAMPLES: At CLIENT's written request, RADISE will maintain free of storage charges, procured test samples and specimens or the residue therefrom, for thirty (30) days after the submission of RADISE's report to CLIENT. After the initial 30 days and upon written request, RADISE will retain test specimens or samples for a mutually acceptable storage charge and period of time. (b) HAZARDOUS OR POTENTIALLY HAZARDOUS SAMPLES: In the event that samples contain substances or constituents hazardous or detrimental to human health, safety or the environment, as defined by federal, state or local statutes, regulations, or ordinances ("Hazardous Substances" and "Hazardous Constituents", respectively), RADISE will, after completion of testing and at CLIENT's expense: (i) return such samples to CLIENT; (i) using a manifest signed by CLIENT as generator, will have such samples transported to a location selected by CLIENT for final disposal. CLIENT agrees to pay all costs associated with the storage, transport, and disposal of such samples. CLIENT recognizes and agrees that RADISE is acting as a bailee for Client and at no time does RADISE assume title or ownership of said waste.

ARTICLE VII – DISCOVERY OF UNANTICIPATED HAZARDOUS MATERIALS - Hazardous materials or certain types of hazardous materials may exist at a site where there is no reason to believe they could or should be present. RADISE and CLIENT agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work or termination of services. RADISE and CLIENT also agree that the discovery of unanticipated hazardous materials may make it necessary for RADISE to take immediate measures to protect health and safety. RADISE agrees to notify CLIENT as soon as practicable should unanticipated hazardous materials or suspected hazardous materials be encountered. CLIENT encourages



RADISE to take any and all measures that, in RADISE's professional opinion, are justified to preserve and protect the health and safety of RADISE's personnel and the public. CLIENT agrees to compensate RADISE for the additional cost of working to protect employees' and the public's health and safety. In addition, CLIENT waives any claim against RADISE arising from RADISE's discovery of unanticipated hazardous materials or suspected hazardous materials.

ARTICLE VIII – STATEMENT OF WARRANTY - RADISE warrants that it shall perform services for CLIENT in a professional manner, using that degree of care and skill ordinarily exercised by and consistent with the applicable standards of professional care that are being practiced in the profession and in the same or a similar locality as the project. CLIENT recognizes that opinions relating to environmental, geologic, and geotechnical conditions are based on limited site information and data obtained by literature reviews and/or the performance of limited site investigational programs and that actual conditions may vary from those encountered at the times and locations where the data are obtained, despite the use of due professional care. In the event any portion of the services fails to comply with this warranty obligation and RADISE is promptly notified in writing within six (6) months after completion of such portion of the services, RADISE shall be provided the opportunity re- perform and correct such portion of the services, or if re-performance is impracticable, RADISE shall refund the appropriate proportional amount of compensation paid to RADISE for such deficient portion of the services. This warranty is in lieu of any and all other warranties. No other warranty, expressed or implied, including warranties of merchantability and fitness for a particular purpose, is made or intended by the proposal for consulting services, by furnishing an oral response of the findings made or by any representations made regarding the services included in this agreement.

ARTICLE IX – LIMITATION OF LIABILITY - RADISE shall be responsible and liable to CLIENT for RADISE services and the services of RADISE subcontractors engaged in the performance of the work. RADISE shall not be responsible or liable for the acts or omissions of the CLIENT or other parties engaged by CLIENT for their services including but not limited to other engineering reports and data, construction means, methods, techniques, sequences, or procedures, or their health and safety precautions and programs. In no event shall RADISE be liable for any special, indirect, incidental or consequential loss or delay or time-related damages. Neither Party shall be liable to the other for consequential damages, including, without limitation, loss of use or loss of profits, incurred by one another or their subsidiaries or successors or assigns, regardless of whether such damages are caused by breach of contract, willful misconduct, negligent act or omission, or other wrongful act of either of them.

Client is also advised that Florida Statutes (FS), Section 558.0035 - Design professionals; contractual limitation on liability states that 1) A design professional employed by a business entity or an agent of the business entity is not individually liable for damages resulting from negligence occurring within the course and scope of a professional services contract if certain conditions apply. Correspondingly: **PURSUANT TO THIS FS SECTION, AN INDIVIDUAL EMPLOYEE OR AGENT OF RADISE MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.** This release of individual liability applies only so long as any damages are solely economic in nature and the damages do not extend to personal injuries or to property not subject to the contract.

The remedies set forth herein are exclusive and the total liability of RADISE for all claims arising out of the performance of the Work including sole professional negligence including errors, omissions, or other professional acts, and including unintentional breach of contract, or for other causes for which RADISE is determined to have any legal liability in a court of law. Remedies, whether in contract, tort (including negligence whether sole or concurrent), or otherwise arising out of, connected with or resulting from the services provided by RADISE pursuant to this Agreement, shall not exceed the total fees paid to RADISE by CLIENT or \$50,000.00, whichever is lessor. CLIENT may, upon written request received within five days of CLIENT's acceptance hereof, increase the limit of RADISE's liability by agreeing to pay RADISE an additional sum as agreed to in writing prior to the commencement of RADISE's services. This charge is not to be construed as being a charge for insurance of any type, but is increased consideration for the greater liability involved.

ARTICLE X – CLIENT INDEMNIFICATION - CLIENT agrees to defend, indemnify and save harmless RADISE from all third party and any FS 558 claims unrelated to our work activities and designs, including but not limited to alleged negligence claims, suits, losses, personal injuries, death and property liability not directly resulting or related to RADISE's performance of the proposed work, whether such claims or damages are allegedly caused in whole or in part by RADISE. CLIENT agrees to reimburse RADISE for expenses in connection with any such claims or suits, including reasonable attorney's fees. CLIENT's obligation to indemnify is limited to \$2 million per occurrence, which CLIENT agrees bears a reasonable commercial relationship to the Work undertaken by RADISE. CLIENT further agrees that these General Terms and Conditions are a part of the Work's specifications or bid documents, if any.

ARTICLE XI – LEGAL JURISDICTION - The parties agree that any actions brought to enforce any provision of this Agreement shall only be brought in a court of competent jurisdiction located in West Palm Beach, Palm Beach County, Florida. All causes of action, including but not limited to actions for indemnification, arising out of RADISE's Work shall be deemed to have accrued and the applicable statutes of limitation shall commence to run not later than either the date of substantial completion of the Work for acts or failures to act occurring prior to substantial completion, or the date of issuance of RADISE's final invoice for acts or failures to act occurring after substantial completion of the Work.

ARTICLE XII – FORCE MAJEURE - An event of "Force Majeure" occurs when an event beyond the control of the Party claiming Force Majeure prevents such Party from fulfilling its obligations. An event of Force Majeure includes, without limitation, acts of God (including floods, hurricanes and other adverse weather), war, riot, civil disorder, acts of terrorism, disease, epidemic, strikes and labor disputes, actions or inactions of government or other authorities, law enforcement actions, curfews, closure of transportation systems or other unusual travel difficulties, or inability to provide a safe working environment for employees. In the event of Force Majeure, the obligations of RADISE to perform the Services shall be suspended for the duration of the event of Force Majeure. In such event, RADISE shall be equitably compensated for time expended and expenses incurred during the event of Force Majeure and the schedule shall be extended by a like number of days as the event of Force Majeure. If Services are suspended for thirty (30) days or more, RADISE may, in its sole discretion and upon 10 days' prior written notice, terminate this Agreement or the affected Work, or both. RADISE shall be compensated for those services performed as of the date of the termination.

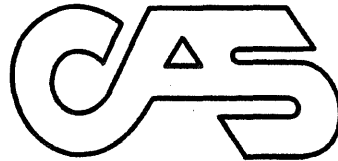
ARTICLE XIII – TERMINATION - CLIENT or RADISE may terminate this agreement with or without cause at any time by giving ten (10) days' notice to either party. CLIENT may terminate this agreement for cause by giving ten (10) days' notice to RADISE. Cause is defined as nonpayment of RADISE's invoices and/or unresponsiveness by RADISE to CLIENT's requests. If this agreement is terminated by either party, RADISE shall be compensated for work actually performed and expense incurred up to the date of termination, but in no event more than the amounts set forth in RADISE's proposal for the work. This agreement will terminate automatically upon termination of any Prime Contract related to and associated with the work

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CRAIG A. SMITH & ASSOCIATES

**HOURS AND RATES
FOR
LIFT STATION SITES 5195 and 8119
PBCWUD PROJECT WUD CSA 17
PALM BEACH COUNTY, FLORIDA**

DATED: August 27, 2020



CRAIG A. SMITH & ASSOCIATES
Engineers•Surveyors•Utility Locators
21045 Commercial Trail, Boca Raton, Florida 33486
(561) 314-4445
EMAIL: BKEENER@CRAIGASMITH.COM



CRAIG A. SMITH & ASSOCIATES

HOURS AND RATES

FOR

PROFESSIONAL SURVEYING AND UTILITY LOCATING SERVICES

PROJECT NAME: PBCWUD Project WUD CSA 17
Palm Beach County, Florida

PROPOSAL NUMBER: 20-9999-P4007

PROJECT DESCRIPTION: Map of Boundary and 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) proposed hours and rates to accomplish the services as follows:

S01A MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY (LS 5195)
Surveying services to produce a Map of Boundary and/or Topographic Survey for private lift station and lift station 5195. Each site will be searched in the Public Records of Palm Beach County, Florida for Ownership and Encumbrances with exceptions (easements) (included).



If a legal boundary exists for each site, they will be surveyed, and property corners found or set based on their description. If only a lift station easement exists for each site, easement corners will be monumented as above. In all cases, above ground visible improvements, including utilities, will be located and shown to twenty-five feet beyond each boundary or easement line that encompasses the site. Additionally, a Route Survey will be performed from the private lift station (AutoNation) north to the intersection of South 57th Ave. (750 LF +/-). CAS Surveying will establish horizontal control relative to North American Datum of 1983 (NAD '83) with the 1990 or newer adjustment, as available, within the project area above. Horizontal control points will be established for reference and orientation. Benchmarks relative to North American Vertical Datum of 1988 (NAVD '88) will also be established. Visible physical improvements will be gathered within the corridor to ten (10') feet beyond each right of way line. Cross sections will be taken at approximate 50 foot intervals. Trees 3 inches or greater at breast height (ABH) within the corridor will be located and shown. CAS Surveying will field locate utilities as field marked by CAS Utility Locates Department, designate same based on information supplied by the Utility Locates Department and also locate all above ground visible utilities within the confines of the corridor discussed above. Up to fifteen (15) vacuum excavation test holes will be located, and the utility type, size, material and depth shown per information provided to the surveyor by others. A Map of Specific Purpose Survey adhering to Florida Statutes Chapter 472.027, Florida Administrative Code 5J-17 (Standards of Practice for Surveying in the State of Florida) will be created.

Optionally, using AWP 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. Also, optionally, up to fifteen (15) Utility Excavation Test Holes per site 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).

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.

The fees for the Station are below and include:
Survey and Title Search as one, Utility locates (Option 1) and Utility Test holes (15) (Option 2). Please be advised that utility locates must performed if utility test holes are requested. The fee for individual test holes is \$495.00 per hole and a minimum of Five holes must be requested per site, if required.

Survey - Field Crew (\$150.00/Hour) 26 Hrs. = \$3,900.00
Survey – Field Crew Coordinator (\$100.00/Hour) 10 Hrs. = \$1,000.00
Survey Cad Technician (\$100.00/Hour) 20 Hrs. = \$2,000.00
Professional Surveyor and Mapper (\$185.00/Hour) 2 Hrs. = \$370.00
Statewide Land Title Services (750.00/per Station) = \$1,500.00
Utility Locates (\$150.00/Hour) 8 Hrs. = \$1,200.00
Soft Digs (\$495.00/Hole) 15 Holes = \$7,425.00

Total = \$17,395.00

S01B MAP OF BOUNDARY AND TOPOGRAPHIC SURVEY (LS 8119)
Surveying services to produce a Map of Boundary and/or Topographic Survey for the proposed lift station (location undetermined) and existing lift station 8119. Each site will be searched in the Public Records of Palm Beach County, Florida for Ownership and Encumbrances with exceptions (easements) (included). If a legal boundary exists for the existing site, it will be surveyed, and property corners found or set based on its description. If only a lift station easement exists for the site, easement corners will be monumented as above and also for the proposed lift station site. In all cases, above ground visible improvements, including utilities, will be located and shown to twenty-five feet beyond each boundary or easement line that encompasses the site. Additionally, a Route Survey will be performed from SW Avenue E along SW 12th Street north to NW 10th Street to west Avenue A, West Avenue A from SW 12th Street to NW 10th Street (1,650 LF +/-). CAS Surveying will establish horizontal control relative to North American Datum of 1983 (NAD '83) with the 1990 or newer adjustment, as available, within the



project area above. Horizontal control points will be established for reference and orientation. Benchmarks relative to North American Vertical Datum of 1988 (NAVD '88) will also be established. Visible physical improvements will be gathered within the corridor to ten (10') feet beyond each right of way line. Cross sections will be taken at approximate 50 foot intervals. Trees 3 inches or greater at breast height (ABH) within the corridor will be located and shown. CAS Surveying will field locate utilities as field marked by CAS Utility Locates Department, designate same based on information supplied by the Utility Locates Department and also locate all above ground visible utilities within the confines of the corridor discussed above. Up to fifteen (15) vacuum excavation test holes will be located, and the utility type, size, material and depth shown per information provided to the surveyor by others. A Map of Specific Purpose Survey adhering to Florida Statutes Chapter 472.027, Florida Administrative Code 5J-17 (Standards of Practice for Surveying in the State of Florida) will be created.

A sketch and description will be provided for the proposed lift station easement suitable for inclusion as Exhibit "A" of the documents prepared for recording.

Optionally, using AWPAs 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. Also, optionally, up to fifteen (15) Utility Excavation Test Holes per site 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).

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.

**The fees for the Station are below and include:
Survey, Sketch and Description and Title Search as one, Utility locates (Option 1) and Utility Test holes (15) (Option 2). Please be**



advised that utility locates must performed if utility test holes are requested. The fee for individual test holes are \$495.00 per hole and a minimum of Five holes must be requested per site, if required.

Survey - Field Crew (\$150.00/Hour) 58 Hrs. = \$8,700.00
Survey – Field Crew Coordinator (\$100.00/Hour) 12 Hrs. = \$1,200.00
Survey Cad Technician (\$100.00/Hour) 32 Hrs. = \$3,200.00
Professional Surveyor and Mapper (\$185.00/Hour) 6 Hrs. = \$1,110.00
Statewide Land Title Services (750.00/per Station) = \$1,500.00
Easement Sketch and Description = \$500.00
Utility Locates (\$150.00/Hour) 16 Hrs. = \$2,400.00
Soft Digs (\$495.00/Hole) 15 Holes = \$7,425.00

Total = \$26,035.00

FEE TOTAL (ALL OPTIONS)

The fee for items listed above will be FORTY THREE THOUSAND FOUR
HUNDRED THIRTY AND 00/100 DOLLARS (\$43,430.00).

ATTACHMENT F

AUTHORIZATION STATUS REPORT

SUMMARY OF
SBE-M/WBE BUSINESS TRACKING

Master Contract Goal: <u>26</u> (%)	SBE
Current Proposal	
Value of Authorization No. <u>16</u>	\$209,798.99
Value of SBE-M/WBE Letters of Intent	\$90,721.60
Actual Percentage	<u>43.24</u> %
Signed/Approved Authorizations	
Total Value of Authorizations	\$1,622,950.76
Total Value of SBE-M/WBE Signed Subcontracts	\$477,903.14
Actual Percentage	<u>29.44</u> %
Signed/Approved Authorizations Plus Current Proposal	
Total Value of Authorizations	\$1,832,749.75
Total Value of Subcontracts & Letters of Intent	\$568,624.74
Actual Percentage	<u>31.02</u> %

ATTACHMENT G

LS-5195

LAKE WORTH ROAD

BRIDGETTE BLVD.

LIFT STATION NO. 5195
LAKE WORTH, FLORIDA

LWDD E-3 CANAL



**Palm Beach County
Water Utilities
Department**

8100 Forest Hill Blvd.
West Palm Beach, FL 33416
(561) 493-6251

WUD Project No. 20-047
Location Map

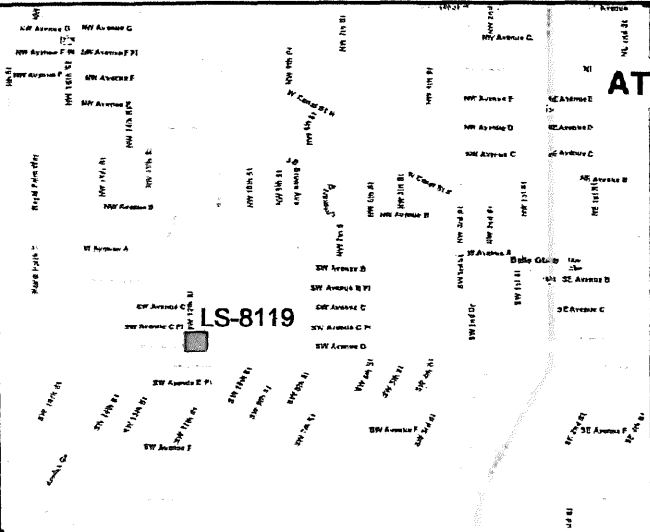


1 in \approx 100 ft

Legend

Project Location

ATTACHMENT G



SW 12TH STREET

LIFT STATION NO. 8119
BELLE GLADE, FLORIDA

SW AVENUE D

DR. MARTIN LUTHER KING JR. BLVD. W

Plot Name : G:\Work\from Ken\195 No. 8119\PS_8119.dwg
Current Plot Style : BColor
Layout Tab: Layout1
Date/Time : Wed, 20 May 2020 : 7:50am

Plot Version : 822.0a (LUS Tech)
User Name : J28469



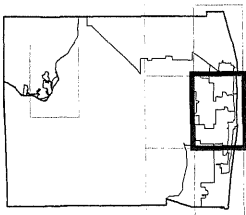
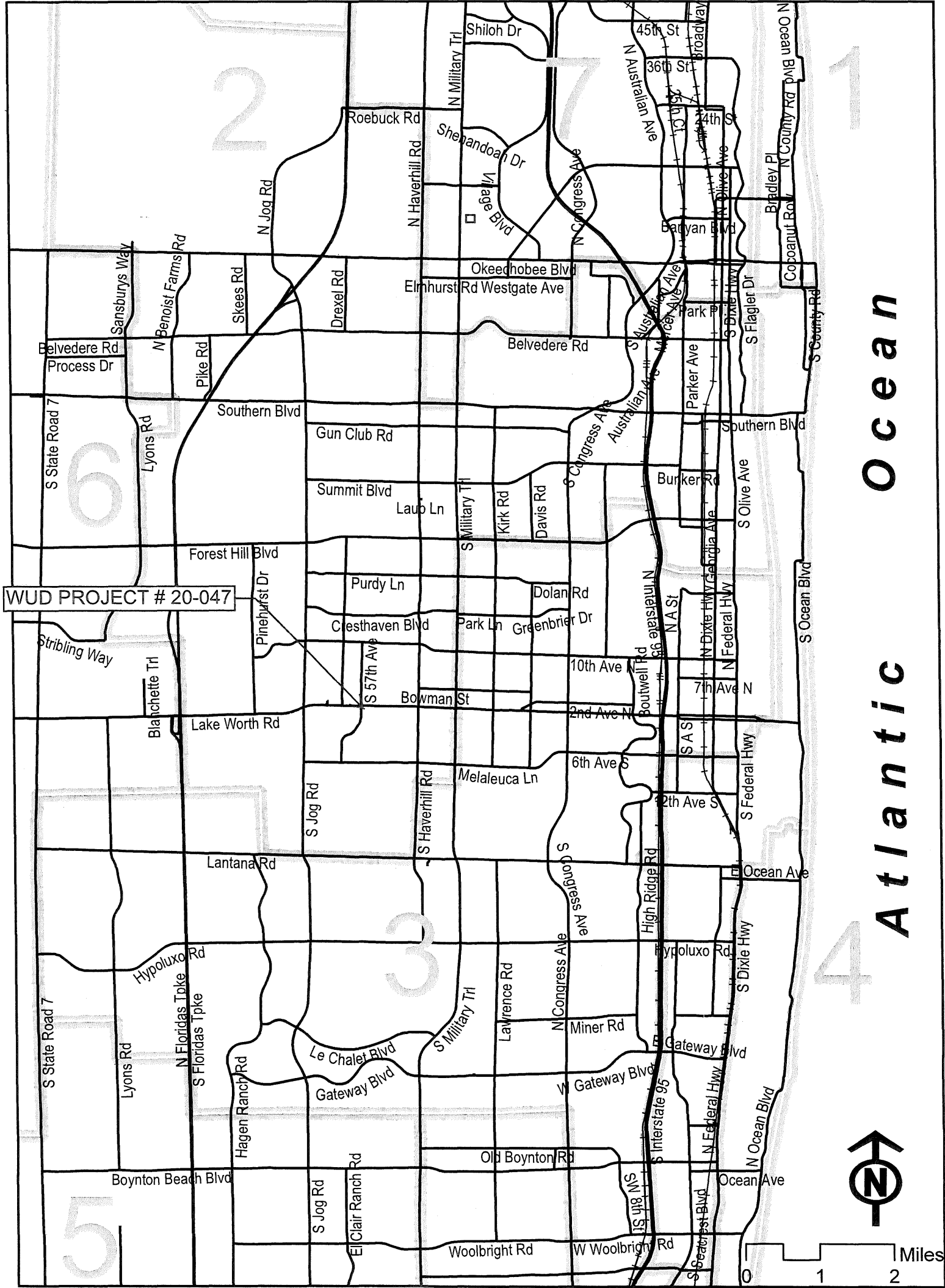
**Palm Beach County
Water Utilities
Department**
8100 Forest Hill Blvd.
West Palm Beach, FL 33416
(561) 493-6251

**WUD Project No. 20-047
Location Map**

N

1 in = 100 ft

Legend
 Project Location

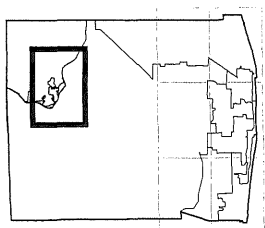
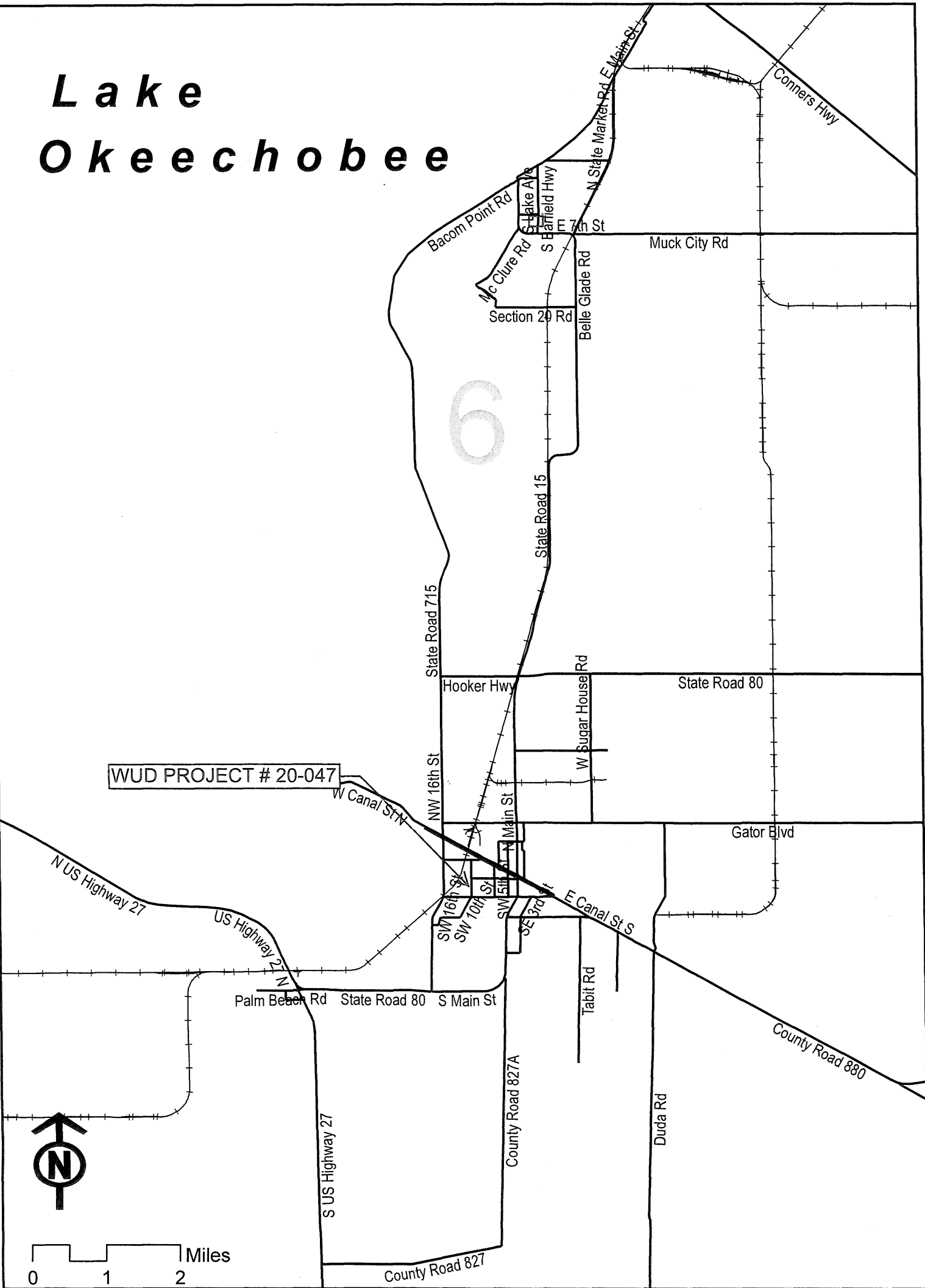


Location Sketch

Lake Okeechobee

6

WUD PROJECT # 20-047



Location Sketch



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
1/28/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Risk Strategies Company 650 Dundee Road, Suite 170 Northbrook, IL 60062 0F06675	CONTACT NAME: PHONE: (A/C, No, Ext): FAX: (A/C, No): E-MAIL: ADDRESS: INSURER(S) AFFORDING COVERAGE INSURER A : Valley Forge Insurance Company INSURER B : Continental Insurance Company INSURER C : Continental Casualty Company INSURER D : INSURER E : INSURER F :
INSURED Baxter & Woodman, Inc. 477 S. Rosemary Avenue, Suite 330 West Palm Beach FL 33401	NAIC # 20508 35289 20443

COVERAGES		CERTIFICATE NUMBER: 53824942		REVISION NUMBER:					
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.									
INSR LTR	TYPE OF INSURANCE		ADD'L INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/>	COMMERCIAL GENERAL LIABILITY			6045872351	1/1/2020	1/1/2021	EACH OCCURRENCE	\$ 1,000,000
	<input type="checkbox"/>	CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 1,000,000
	<input checked="" type="checkbox"/>	Primary/Non-Contributory						MED EXP (Any one person)	\$ 15,000
	<input checked="" type="checkbox"/>	Subject to Written Contract						PERSONAL & ADV INJURY	\$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE	\$ 2,000,000
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC							PRODUCTS - COMP/OP AGG	\$ 2,000,000
	<input type="checkbox"/>	OTHER:							\$
B	AUTOMOBILE LIABILITY				6045872348	1/1/2020	1/1/2021	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
	<input checked="" type="checkbox"/>	ANY AUTO						BODILY INJURY (Per person)	\$
	<input type="checkbox"/>	OWNED AUTOS ONLY	<input type="checkbox"/>	SCHEDULED AUTOS				BODILY INJURY (Per accident)	\$
	<input checked="" type="checkbox"/>	HIRED AUTOS ONLY	<input checked="" type="checkbox"/>	NON-OWNED AUTOS ONLY				PROPERTY DAMAGE (Per accident)	\$
	<input type="checkbox"/>								\$
	<input type="checkbox"/>								\$
B	<input checked="" type="checkbox"/>	UMBRELLA LIAB	<input checked="" type="checkbox"/>	OCCUR	6045872365	1/1/2020	1/1/2021	EACH OCCURRENCE	\$ 5,000,000
	<input type="checkbox"/>	EXCESS LIAB	<input type="checkbox"/>	CLAIMS-MADE				AGGREGATE	\$ 5,000,000
	<input type="checkbox"/>	DED	<input type="checkbox"/>	RETENTION \$					\$
	<input type="checkbox"/>								
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				6045872379	1/1/2020	1/1/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)		<input type="checkbox"/> Y/N	N/A				E.L. EACH ACCIDENT	\$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
								E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
C	Professional Liability				AEH591900841	1/1/2020	1/1/2021	Per Claim	\$5,000,000
								Aggregate	\$5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: WUD #18-064, Consulting/Professional Services for General Utility, Architectural, and Value Engineering Services. Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees and Agents are included as additional insureds per blanket endorsement as respect GL/Auto/Umbrella, subject to written contract requiring same. GL/Umbrella are primary & non-contributory. Waiver of subrogation applies GL/Auto/WC/Umbrella. Umbrella follows form.

CERTIFICATE HOLDER	CANCELLATION
Palm Beach County Water Utilities Department Director Utilities Engineering 8100 Forest Hill Blvd. West Palm Beach FL 33413	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE Michael Christian <i>Michael Christian</i>