

PALM BEACH COUNTY  
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: August 17, 2021 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. 3 to the Consulting/Professional Services Utility Distribution & Collection System Engineering Services Contract (Contract) with Holtz Consulting Engineers, Inc., (Consultant) for the Improvements to Lift Stations 980, 981 and 1051 (Project) for a not to exceed amount of \$170,736.11.

**Summary:** On December 15, 2020, the Board of County Commissioners approved the Palm Beach County Water Utilities Department (PBCWUD) Contract (R2020-1897) with Consultant. CSA No. 3 provides for professional engineering services relating to design, permitting, and bidding related services to provide for the rehabilitation and refurbishment of two (2) submersible lift stations and the conversion of one (1) dry can lift station to a submersible lift station. These services include civil, mechanical, and electrical improvements to the lift stations including new wet well, top slab, pumps, control panels, remote telemetry unit, piping, valves, corrosion barrier, potable water services, and valve vault. The construction package will follow the design-bid-build delivery method.

This Contract was procured under the requirements of the Equal Business Opportunity Ordinance. On October 2, 2019, the Goal Setting Committee applied an Affirmative Procurement Initiative (API) of a minimum mandatory 20% Small Business Enterprise (SBE) subcontracting goal and an evaluation preference for up to 15 points based upon the relative level of dollar participation by certified SBE firms. The Contract provides for 96.00% SBE participation, which includes 90.00% M/WBE participation, 85.00% MBE (H), and 5.00% MBE (A). CSA No. 3 includes 92.43% SBE participation which includes 86.25% M/WBE participation, 74.85% MBE (H) and 11.40% MBE (A). The cumulative SBE participation including CSA No. 3 is 84.98% SBE, which includes 74.33% M/WBE, 72.35% MBE (H) and 1.97% MBE (A). Consultant is a Palm Beach County based company. The Project is included in the PBCWUD FY21 budget. (WUD Project No. 21-059) District 5 (MJ)

**Background and Justification:** PBCWUD owns, operates and maintains approximately 1,000 wastewater lift stations. This Project will relocate two (2) submersible lift stations and increase the capacity of these stations to handle the current and projected flows. This Project will also convert one (1) of the last dry can lift stations left in the system to a submersible lift station. The improvements will increase safety, reliability, and operability of the PBCWUD's wastewater collection system.

**Attachments:**

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

Recommended By:  7-21-2021  
for Department Director Date

Approved By:  8/9/2021  
Assistant County Administrator Date

**II. FISCAL IMPACT ANALYSIS**

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

Fiscal Years	2021	2022	2023	2024	2025
Capital Expenditures	<u>\$170,736</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Operating Costs	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<b>NET FISCAL IMPACT</b>	<b><u>\$170,736</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>
<b># ADDITIONAL FTE POSITIONS (Cumulative)</b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

**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, connection fees and balance brought forward.

C. Department Fiscal Review:  Ben Earth for TR

**III. REVIEW COMMENTS**

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

<p><u>Deleyn Rawles 7/27/21</u>                  OFMB <u>7-21-21</u> <u>BE 7/27</u></p>	<p><u>John J. Jacobson 8/10/21</u>                  Contract Development and Control  <u>8-5-21 TW</u></p>
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**B. Legal Sufficiency:**

For Mike Jono  
8/6/21  
 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. 3  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
Utility Distribution & Collection Engineering Services  
Resolution No. R2020-1897 Contract Dated December 15, 2020

**Project Title:** Improvements to Lift Stations 980, 981 and 1051

**PBCWUD Project No.:** 21-059

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 12/15/2020 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.

CONSULTANT SERVICES AUTHORIZATION NO. 3  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
Utility Distribution & Collection Engineering Services  
Resolution No. R2020-1897 Contract Dated December 15, 2020

Project Title: Improvements to Lift Stations 980, 981 and 1051

PBCWUD Project No.: 21-059

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

Joseph Abruzzo, Clerk of the Circuit Court  
& Comptroller, Palm Beach County

Palm Beach County, Board  
of County Commissioners

ATTEST:

Signed: \_\_\_\_\_

GAM

Signed: \_\_\_\_\_

KB for AB Dave Kerner, Mayor

Typed Name: \_\_\_\_\_  
Deputy Clerk

\_\_\_\_\_  
(Date)

Approved as to Form and Legal  
Sufficiency

CONSULTANT: Holtz Consulting  
Engineers, Inc.

Signed: \_\_\_\_\_

  
(Signature)

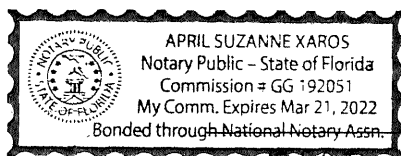
Typed Name: Michael W. Jones  
County Attorney

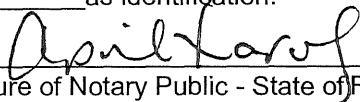
Andrea Holtz, President  
(Name and Title)

7-19-21  
(Date)

STATE OF FLORIDA  
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of  physical presence or  online notarization,  
this 19 day of July, 2021, by Andrea Holtz who is  personally  
known to me or  has produced \_\_\_\_\_ as identification.



  
(Signature of Notary Public - State of Florida)

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

**LIST OF ATTACHMENTS**

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

# ATTACHMENT A

## SCOPE OF SERVICES

PBCWUD Project No.: 21-059

Project Title: Improvements to Lift Stations 980, 981 and 1051

### **INTRODUCTION:**

This scope encompasses services for the design, permitting, and bidding for improvements to lift stations (LS) 980, 981, and 1051.

### **BACKGROUND:**

The Palm Beach County Water Utilities Department (PBCWUD) owns, operates, and maintains over 1,000 LS as part of its wastewater collection system located in six (6) LS Zones throughout Palm Beach County (County).

LS 980 and 981 need to be replaced/relocated. The existing stations shall be demolished or converted into a manhole with new gravity mains to divert the flow to the new LS location. PBCWUD is in the process of obtaining easements at new locations for LS 980 and 981.

LS 1051 will be rehabilitated and converted from a dry can type LS into a submersible LS. The existing wet well will be reused, and it is assumed that the existing wet well is large enough to accommodate the new submersible pumps. The discharge force main from LS 1051 will be modified to connect via a wet tap to the parallel 12-inch ductile iron pipe (DIP) force main on the east side of Ponderosa Drive north of Palmetto Park Road.

Holtz Consulting Engineers, Inc. (CONSULTANT) shall perform surveying, geotechnical engineering, engineering design, permitting, and bidding assistance services for the replacement/relocation of LS 980 and 981, the rehabilitation/conversion of LS 1051, and the force main improvements at the intersection of Ponderosa Drive and Palmetto Park Road. Due to high hydrogen sulfide gas exposure, the terminal pipe may need to be lined and the terminal manhole may need to be rehabilitated for each LS. Additional engineering during construction services may be requested in a future Consultant Services Authorization (CSA).

### **SCOPE OF SERVICES**

CONSULTANT shall perform and be responsible for the engineering Scope of Services as described herein:

#### **Task 1 – Lift Station Review**

##### **Subtask 1.1 – Kick-off Meeting and Site Visits**

- Attend one (1) kick-off meeting with PBCWUD staff to discuss project goals, request records, review the scope of services and schedule, and prepare meeting minutes with a

list of action items with responsible parties and due dates.

- Visit the three (3) existing LS and proposed new locations with PBCWUD staff to review and confirm scope of work.

#### **Subtask 1.2 – Wet Well Drawdown Tests**

During the site visit to each LS, the CONSULTANT shall assist PBCWUD staff to perform and record wet well drawdown tests. Drawdown tests will be conducted a minimum of two (2) times per pump where possible.

#### **Subtask 1.3 – Review Records and Geographic Information Systems (GIS)**

CONSULTANT shall review available as-built record drawing information for each of the three (3) LS. These drawings will be used to assist in preparing each of the site plans, force main connection locations and routing, water service connection locations and routing, and gravity sewer main routes for the LS to be replaced, particularly those features that were not included in the survey. At PBCWUD's request, the CONSULTANT will assist PBCWUD with obtaining copies of the available as-built drawings by reviewing GIS records and requesting specific record drawings from PBCWUD.

#### **Subtask 1.4 - Pump Data Collection and Review**

CONSULTANT shall coordinate with PBCWUD's staff to obtain pressure data, flow data, pump run times and other information required for evaluation of the required pumping capacity of LS to determine if larger or smaller pumps will be required. CONSULTANT will include in the design necessary improvements to address identified pump capacity issues.

#### **Subtask 1.5 - System Curves and Pump Selection**

CONSULTANT will use the pressure data to create a low-pressure system curve and a high-pressure system curve. The low and high-pressure system curves shall be plotted together with the selected pump curves from each of PBCWUD's pre-approved pump manufacturers.

#### **Task 1 Deliverables:**

- Meeting minutes with list of action items in portable document format (PDF).

#### **Task 1 Assumptions:**

- PBCWUD staff will help identify any stations that may have issues with equipment sizing.
- PBCWUD staff will assist with performing all wet well drawdown and pressure tests.
- PBCWUD shall identify the minimum and maximum anticipated connection pressures for LS and the pressure location/elevation within the system. Two (2) weeks of pressure logger data will be provided for each LS by PBCWUD.
- PBCWUD shall provide available record drawings for all three (3) LS.
- PBCWUD to provide a list of future and ongoing projects within the vicinity of the proposed improvements.
- For LS 981, it is anticipated that a new drop manhole will be used to intercept the gravity flow to the north or east of the proposed LS.
- For LS 1051, it is anticipated that the existing wet well is large enough to accommodate



the submersible pumps required to meet the design flow and head pressure.

## **Task 2 – Utility Locates**

### **Subtask 2.1 Sunshine One Call and Underground Utility Locates**

Under this task, the CONSULTANT shall call in a Sunshine One Call Design Ticket and contact utility companies listed on the design ticket that may have underground or aboveground service lines, utilities, easements, or structures within or adjacent to the project limits. CONSULTANT will request location, alignment, size, diameter, material, and depth of cover of existing facilities in order to avoid conflicts with proposed improvements. If record drawings are not available, CONSULTANT will request that the utility mark and provide the best available information on a plan view sheet. If the company has no existing utilities in the area, CONSULTANT will request that the utility confirm such by stating that there are no utilities in the area. If existing utility information is not available, CONSULTANT will perform horizontal locations of existing detectable utility mains using electromagnetic (EM) and ground-penetrating radar (GPR) techniques, mark selected targets on the ground surface as necessary, and review onsite discoveries with onsite personnel/surveyors, where applicable.

### **Subtask 2.2 Soft and Hard Digs**

CONSULTANT will provide services to conduct excavations for each LS – two (2) soft and (1) hard digs – to obtain depth, diameter, and material of the adjacent force and water mains to confirm the location of the force main connection point and the water service connection point. An additional four (4) soft and two (2) hard digs shall be included for LS 1051 for locating electrical and cable utilities.

### **Task 2 Deliverables**

- Report provided by CONSULTANT in PDF indicating findings of utility locates performed.

### **Task 2 Assumptions**

- All three (3) LS will require utility locating services.
- CONSULTANT will provide services to conduct up to two (2) soft dig excavations and one (1) hard dig per LS. An additional four (4) soft and two (2) hard digs shall be included for LS 1051 for locating electrical and cable utilities.
- The soft and hard digs will be on County property or within County easements and obtaining permits to complete the utility locates, including but not limited to a Palm Beach County Land Development permit, are not included in this Scope of Services.
- No underground utility locates or soft digs will be performed in the vicinity of Ponderosa Drive and Palmetto Park Road for the proposed force main improvements in that area.

## **Task 3 – Survey**

Under this task, CONSULTANT shall perform topographic surveys of the existing LS for LS 980 and 981, depicting the horizontal and vertical location of facilities at each LS site such as wet well and inverts, valve vault, piping, control panels, fence perimeter, terminal manhole, etc. CONSULTANT shall perform topographic surveys of the new proposed locations for each LS. CONSULTANT shall perform topographic surveys of gravity sewer features to the north and east of the proposed location of LS 981 that may be part of gravity sewer main modifications. The

following will be included as part of the survey efforts for this project:

1. Obtain horizontal and vertical control for this project using information published by the Palm Beach County Engineering and Public Works Department – Roadway Production Division, Land Survey Section utilizing State Plane Coordinates for horizontal control and the North American Vertical Datum of 1988 (NAVD 88) for vertical control.
2. Location of visible, fixed improvements within the existing LS sites, new LS proposed sites, and proposed gravity sewer route depicting the horizontal and vertical location of facilities such as wet well and inverts, manholes, valve vault, piping, control panels, fences, power poles, buildings, etc.
3. Location of above-ground existing utilities: Florida Power & Light Company (FPL), AT&T, cable TV, natural gas, potable water (valves, fire hydrants, and meters), force mains (valves), sanitary sewer, reclaimed water mains (valves), storm sewers, including information on invert elevations, pipe size, type, and direction for storm and sanitary infrastructure.
4. Provide and reference two (2) site benchmarks. Elevations to be referenced to an existing established City or County Benchmark.
5. Locate utilities marked in the field with paint or flags and incorporate them into the survey file.

### **Task 3 Deliverables**

- An electronically signed and sealed PDF file of topographic survey drawings.

### **Task 3 Assumptions**

- Proposed locations for the new LS will be based on new easements obtained by PBCWUD. It is assumed that the new LS sites in this CSA have sufficient easement for construction of the stations and collection system and that no additional easement coordination or sketch and legal descriptions will be required. It is not anticipated that any temporary construction easements will be necessary.
- The survey previously obtained under PBCWUD Project No. 13-034 will be used for designing the rehabilitation of LS 1051 and the force main improvements at the intersection of Ponderosa Drive and Palmetto Park Road.

### **Task 4 – Geotechnical Investigation**

The CONSULTANT shall perform subsurface explorations and geotechnical studies to obtain subsurface soil information necessary for the proper design of a new LS wet well structure. The work includes one (1) Standard Penetration Test (SPT) to a depth of 35 feet in the vicinity of the proposed wet well for LS 980 and LS 981 for a total of two (2) SPTs. The borings will be performed in general accordance with procedures recommended in the American Society for Testing and Materials (ASTM) D-1586, using a truck-mounted drilling rig. A geotechnical report with a site plan showing the locations of the borings, logs of the exploratory borings, results from SPT samples, identification of organics, and anticipated groundwater levels and will be made available to potential bidders for informational purposes only.

#### **Task 4 Deliverables**

- One (1) PDF file and three (3) hard copies of signed and sealed geotechnical report.

#### **Task 4 Assumptions**

- It is assumed that all test holes will be conducted on County property or within its easements and that no permits will be needed to complete the geotechnical investigation.
- For LS 1051, the geotechnical investigation from the previous design for LS 1051 under PBCWUD Project No. 13-034 that found significant limestone shall be utilized for the design.

#### **Task 5 – Design**

The CONSULTANT shall provide engineering services consisting of the preparation of drawings and specifications depicting the proposed LS improvements work suitable for public bidding and construction of the work.

This bid package of three (3) LS is anticipated to have approximately 30 engineering drawings that will be required. The drawings will be organized by LS zone and will include:

- Cover Sheet
- Sheet Index
- One (1) Location Map Sheet
- Legend Sheet
- General Notes Sheet
- Three (3) LS Existing Site Plan and Demolition Plan Sheets
- Three (3) LS Proposed Site Plan Sheets
- Three (3) Gravity Sewer Main and Force Main Installation Civil Sheets
- Three (3) LS Proposed Site Grading and Restoration Sheets
- Three (3) Proposed Electrical Plan and One-line Diagram Sheets
- Up to five (5) PBCWUD's standard detail sheets supplemented by up to five (5) additional Civil and Electrical Detail Sheets, as necessary

The drawings will include PBCWUD's standard details will be supplemented with the CONSULTANT's standard details. The PBCWUD's Minimum Design & Construction Standards will be supplemented with the CONSULTANT's standard specifications as applicable to the project for preparation of the project technical specifications to be included in the bidding documents.

#### **Subtask 5.1 60% Submittal**

The CONSULTANT shall provide one (1) digital PDF set for review and at PBCWUD's request, up to two (2) full-size (22" x 34") sets and five (5) half-size (11" x 17") set of plans (all legible including detail sheets) for review and comment by PBCWUD at the 60% complete stage. The submittal will also include a draft outline of the specifications table of contents and an Engineer's Opinion of Probable Construction Costs (EOPCC) will be provided.

#### **Subtask 5.2 90% Submittal**

The CONSULTANT shall provide one (1) digital PDF set for review and at PBCWUD's request,

up to two (2) full-size (22" x 34") sets and five (5) half-size (11" x 17") set of plans (all legible including detail sheets) for review and comment by PBCWUD at the 90% complete stage. The submittal will address PBCWUD's comments on the 60% submittal and will also include an updated table of contents and a complete draft of the technical specification sections and an EOPCC will be provided.

### **Subtask 5.3 Bid Submittal**

The CONSULTANT shall prepare bid documents incorporating permitting comments available at the time of bidding submittal development. CONSULTANT will provide Computer-Aided Design (AutoCAD) files of the drawings. The CONSULTANT will also provide an electronically signed and sealed PDF file of the CONSULTANT's bid submittal drawings and specifications and an EOPCC will be provided. CONSULTANT shall also provide Microsoft Word (Word) files and one (1) set of un-bound technical specifications and a bid schedule for preparation of bid sets. The CONSULTANT will provide PBCWUD with up to three (3) full-size (22" x 34") signed and sealed sets of the CONSULTANT's final plans and three (3) signed-and-sealed copies of the technical specifications upon final completion for PBCWUD's use in the bidding of the project.

### **Task 5 Deliverables**

- One (1) electronic PDF file of the submittal package and up to two (2) full-size sets and five (5) half-size sets of the 60% complete submittal package.
- One (1) electronic PDF file of the submittal package and up to two (2) full-size sets and five (5) half-size sets of the 90% complete submittal package.
- One (1) electronic PDF file of the signed-and-sealed submittal package on a flash drive and up to two (2) full-size sets of the drawings (drawings in AutoCAD; specifications in Word).
- One (1) electronic PDF file of the EOPCC will be provided with the 60%, 90%, and bid submittals.

### **Task 5 Assumptions**

- Updating of record drawings is not included in this task.
- All three (3) LS are assumed to receive a new FPL electrical service and one (1) is assumed to require a new automatic transfer switch (ATS) and standby generator as part of the electrical design.
- LS 980 will have the existing generator relocated to the new LS and connected to a new ATS.
- CONSULTANT will use its best knowledge and efforts in good faith to prepare an EOPCC, but CONSULTANT has no control over or responsibility for the cost of materials or labor for the Construction Contractor, of market conditions, or of the Construction Contractor's means, methods, sequences, scheduling, and techniques of construction, and thus cannot be responsible for any deviations and differences, however significant, of the construction bids of the Construction Contractors from the CONSULTANT's EOPCC.

## **Task 6 – Permitting**

### **Subtask 6.1 Permit Application Submittals**

CONSULTANT shall prepare and submit permit applications as required by the governing regulatory agencies. CONSULTANT will coordinate with the permitting agencies during the review

process on a regular basis in an effort to keep the project on schedule and shall respond to review comments and Requests for Information (RFIs). CONSULTANT should identify early in the design how much LS concrete pads will be required to be raised. Permits will be required from the following agencies for all three (3) LS:

- Palm Beach County Land Development
- Palm Beach County Health Department

#### **Subtask 6.2 PBC PZB Department Signed and Sealed Plans**

CONSULTANT shall provide two (2) full-size signed and sealed drawing packages to PBCWUD's Contractor to obtain Palm Beach County Planning, Zoning & Building Department (PBC PZB) permits. An electronically signed and sealed version may be provided if such is acceptable to PBC PZB.

#### **Task 6 Deliverables**

- Electronic PDF files of the draft and final permit applications.
- Signed and sealed sets of plans required for permit application submittal packages.
- Permit tracking spreadsheet indicating permit application submission, RFIs, and permit approval dates.

#### **Task 6 Assumptions**

- All three (3) LS will require Palm Beach County Land Development right-of-way permits.
- The force main improvements at the intersection of Ponderosa Drive and Palmetto Park Road will require a separate Palm Beach County Land Development right-of-way permit.
- All three (3) LS will require Palm Beach County Health Department permits.
- PBCWUD will be responsible for all applicable permit fees.
- CONSULTANT shall assist PBCWUD's selected Contractor in obtaining the building department permits by providing the signed and sealed copies of the drawings for the Contractor's submittal to the building department. CONSULTANT is not anticipated to complete the application or make the submittal prior to bids.
- All permitting submittals will be electronic.

#### **Task 7 – Bidding Phase Services**

Attend a pre-bid meeting, attend site visits at the three (3) LS, and prepare meeting minutes for PBCWUD to issue to plan holders. Respond to questions bidders may have concerning the CONSULTANT's bid documents and issue addenda as necessary to clarify the CONSULTANT's bid documents. Evaluate bids and prepare a recommendation of award. Within two (2) weeks of PBCWUD requesting Conformed Contract Documents, CONSULTANT will produce Conformed Contract Documents associated with the CONSULTANT's work incorporating Bid Addenda and provide PBCWUD with:

- Four (4) full-size (22" x 34") drawing sets (signed and sealed, stamped, and issued for construction)
- Six (6) half-size (11" x 17") drawings sets (signed and sealed, stamped, issued for construction)
- A summary of permit statuses
- Copies of all accepted permits

CONSULTANT will provide two (2) flash drives containing the above documents in PDF and the drawings in AutoCAD (version 2020 or later) for PBCWUD and the Contractor's use preparing Record Drawings.

### **Task 7 Deliverables**

- Bid documents
- Meeting minutes and sign-in sheets from the pre-bid meeting and site visits
- Addenda, if required
- Recommendation of award
- Conformed documents

### **Task 8 - Project Management**

Project management includes contract administration, quality assurance/quality control (QA/QC), and project meetings with PBCWUD staff.

#### **Subtask 8.1 Contract Administration**

The progress of the project will be monitored, and resources will be managed to achieve the schedule, budget, and work quality goals of the project. The CONSULTANT will coordinate with PBCWUD staff and will keep PBCWUD informed as to the status and progress of the project. Communications with PBCWUD will be conducted under this task. Invoices shall be prepared monthly.

#### **Subtask 8.2 Quality Assurance/Quality Control (QA/QC)**

The CONSULTANT will be conducting internal QA/QC review of the deliverables for conformance to contract and internal program requirements. The results of these reviews will be incorporated into the deliverables prior to submission to PBCWUD for review and comment.

#### **Subtask 8.3 Monthly Schedule Update**

Submit electronically a project schedule on a monthly basis. This schedule will be submitted on the first Friday of every month for the duration of the contract.

#### **Subtask 8.4 Project Design Review and Coordination Meetings**

Attend and participate in project meetings with PBCWUD staff. Up to six (6) meetings have been budgeted for as follows:

1. Attend up to six (6) meetings total during the design phase of the project. Meetings are anticipated as follows:
  - a. One (1) design kick-off meeting and interview/discussions with PBCWUD staff
  - b. One (1) 60% complete submittal review meeting
  - c. One (1) 90% complete submittal review meeting
  - d. One (1) final review meeting before the project is bid or awarded to the Contractor
  - e. Two (2) design coordination meetings

**Task 8 Deliverables**

- Provide a monthly updated project schedule in PDF.
- Provide meeting minutes summarizing the key points of all review meetings in PDF.

**SCOPE OF SERVICES ASSUMPTIONS:**

1. Construction Contractor's responsibilities - The CONSULTANT shall not have control over or charge of and shall not be responsible for the Construction Contractor's means, methods, techniques, sequences or procedures, or for their safety precautions and programs in connection with the Work, since these are solely the Contractor's responsibility under its Contract for Construction. The CONSULTANT shall not be responsible for Contractor's schedules or failures to carry out the Work in accordance with the Contract Documents. The CONSULTANT shall not have control over or charge of the acts or omissions of the Contractor or its subcontractors, its suppliers, agents, employees, or any other persons performing portions of the Work.
2. Hazardous materials - Unless otherwise specifically required by this contract or through purchase orders, the CONSULTANT shall not have any responsibility for the discovery, presence, handling, removal or disposal, or exposure of persons to any hazardous or toxic substance of any form at the project site.

**PBCWUD RESPONSIBILITIES:**

1. Designate a project representative as PBCWUD's primary contact for CONSULTANT. CONSULTANT will rely on PBCWUD's designated project representative for instructions and approval of CONSULTANT's services.
2. Provide existing record drawings, GIS files, system pressures, available modeling, future projects and improvements information, and other information pertinent to the project and project schedule.
3. Review and provide comments on all deliverables within two (2) weeks of delivery.
4. Attendance of key PBCWUD personnel to meetings as requested. It is requested to have key staff from the Engineering, Construction, and Operations & Maintenance (O&M) divisions present at project review meetings.
5. Assist with LS pressure and flow evaluations to determine if the LS pumping capacity should be increased or decreased.

**Task 9 – Engineering Services during Construction**

CONSULTANT's scope of work and compensation for this task will be determined in a future CSA or supplement to this Contract.

**Task 9 Deliverables**

- Deliverables to be defined in a future CSA or supplement to this contract.





**ATTACHMENT C**

**OEBO SCHEDULE 1**

**Office of Equal Business Opportunity Compliance Programs**

# OEBO SCHEDULE 1

## LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

**SOLICITATION/PROJECT/BID NAME:** Improvements to Lift Stations 980, 981 and 1051  
**NAME OF PRIME RESPONDENT/BIDDER:** Holtz Consulting Engineers, Inc.  
**CONTACT PERSON:** Stephen Fowler, P.E.  
**SOLICITATION OPENING/SUBMITTAL DATE:** N/A

**SOLICITATION/PROJECT/BID No.:** WUD 21-059  
**ADDRESS:** 270 South Central Blvd. Suite 207, Jupiter, FL 33458  
**PHONE NO.:** 561-575-2005 **E-MAIL:** stephen.fowler@holtzconsulting.com  
**DEPARTMENT:** 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)
		Minority/Women Business	Small Business					
1. Holtz Consulting Engineers, Inc. 270 S. Central Blvd., Suite 207 Jupiter, FL 33458 561-575-2005	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	127,806.26	_____	_____	_____
2. Underdog Utility Detection, LLC 3819 Victoria Drive West Palm Beach, FL 33408 561-687-8536	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	7,200.00	_____
3. Dennis J. Leavy & Associates, Inc. 460 Business Parkway, Suite B Royal Palm Beach, FL 33411 561-753-0650	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	10,550.00	_____
4. Tierra South Florida, Inc. 2765 Vista Parkway, Suite 10 West Palm Beach, FL 33411 561-687-8536	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	5,710.00(A)
5. Hillers Electrical Engineering, Inc. 23257 State Road 7, Suite 100 Boca Raton, FL 33428 561-451-9165	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_____	19,469.85(A)
(Please use additional sheets if necessary)				<b>Total</b>	127,806.264	_____	17,750.00	25,179.85(A)
<b>Total Bid Price \$</b> <u>\$170,736.11</u>				<b>Total SBE - M/WBE Participation</b> <u>\$157,826.11 / 92.43%</u>				

I hereby certify that the above information is accurate to the best of my knowledge: Andrea Holtz Andrea Holtz, President  
Authorized Signature Title

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

**ATTACHMENT C**

**OEBO SCHEDULE 2**

**Office of Equal Business Opportunity Compliance Programs**

Revised 04/26/2021

**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: WUD 21-059

SOLICITATION/PROJECT NAME: Improvements to Lift Stations 980, 981, and 1051

Prime Contractor: Holtz Consulting Engineers, Inc. Subcontractor: Holtz Consulting Engineers, Inc.

**(Check box(s) that apply)**

SBE  WBE  MBE  M/WBE  Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10/3/19-10/2/22

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

<b><u>Column 1</u></b>	<b><u>Column 2</u></b>	<b><u>Column 3</u></b>
<input type="checkbox"/> Male <input checked="" 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
	Civil and Mechanical Engineering				\$127,806.26

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: \$127,806.26

**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.**

\_\_\_\_\_ Price or Percentage: \_\_\_\_\_

Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant

Holtz Consulting Engineers, Inc.  
 Print Name of Prime  
 By: Andrea Holtz  
 Authorized Signature  
Andrea Holtz, P.E.  
 Print Name  
President  
 Title  
 Date: 6/17/21

Holtz Consulting Engineers, Inc.  
 Print Name of Subcontractor/subconsultant  
 By: Andrea Holtz  
 Authorized Signature  
Andrea Holtz, P.E.  
 Print Name  
President  
 Title  
 Date: 6/17/21

**OEBO LETTER OF INTENT – SCHEDULE 2**

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SOLICITATION/PROJECT NUMBER: WUD 21-059

SOLICITATION/PROJECT NAME: Improvements to Lift Stations 980, 981, and 1051

Prime Contractor: Holtz Consulting Engineers, Inc. Subcontractor: Dennis J. Leavy & Associates, Inc.

**(Check box(s) that apply)**

SBE WBE MBE M/WBE Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 02/25/19 - 02/24/22

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

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

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Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Land Surveying	\$10,550.00			\$10,550.00

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: \$10,550.00

**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 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant \_\_\_\_\_

Price or Percentage: \_\_\_\_\_

Holtz Consulting Engineers, Inc.

Print Name of Prime

By: Andrea Holtz  
Authorized Signature

Andrea Holtz, P.E.

Print Name

President

Title

Date: 6/17/21

Dennis J. Leavy & Associates, Inc.

Print Name of Subcontractor/subconsultant

By: David A. Bower  
Authorized Signature

David A. Bower

Print Name

Vice President

Title

Date: 06/15/21

Revised 09/17/2019

**OEBO LETTER OF INTENT – SCHEDULE 2**

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SOLICITATION/PROJECT NUMBER: WUD 21-059  
 SOLICITATION/PROJECT NAME: Improvements to Lift Stations 980, 981, and 1051

Prime Contractor: Holtz Consulting Engineers, Inc. Subcontractor: Underdog Utility Detection, LLC

**(Check box(s) that apply)**  
 SBE  WBE  MBE  M/WBE  Non-S/M/WBE Date of Palm Beach County Certification (if applicable): N/A

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

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

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Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Underground Utility Location Services				\$7,200.00

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: \$7,200.00

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.

\_\_\_\_\_ Price or Percentage: \_\_\_\_\_  
 Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant

Holtz Consulting Engineers, Inc.  
 Print Name of Prime  
 By: Andrea Holtz  
 Authorized Signature  
Andrea Holtz, P.E.  
 Print Name  
President  
 Title  
 Date: 06/14/2021

Underdog Utility Detection, LLC  
 Print Name of Subcontractor/subconsultant  
 By: Justin Ryan  
 Authorized Signature  
Justin Ryan  
 Print Name  
President  
 Title  
 Date: 06/14/2021

**OEBO LETTER OF INTENT – SCHEDULE 2**

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SOLICITATION/PROJECT NUMBER: WUD 21-059  
 SOLICITATION/PROJECT NAME: Improvements to Lift Stations 980, 981, and 1051

Prime Contractor: Holtz Consulting Engineers, Inc. Subcontractor: Tierra South Florida, Inc.

**(Check box(s) that apply)**

SBE  WBE  MBE  M/WBE  Non-S/M/WBE Date of Palm Beach County Certification (if applicable): N/A

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

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<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
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Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
01	Geotechnical Services	\$5,710.00	1		\$5,710.00

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: \$5,710.00

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.

\_\_\_\_\_ Price or Percentage: \_\_\_\_\_  
 Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant

**Holtz Consulting Engineers, Inc.**  
 \_\_\_\_\_  
 Print Name of Prime  
 By: Andrea Holtz  
 Authorized Signature  
 Andrea Holtz, P.E.  
 \_\_\_\_\_  
 Print Name  
**President**  
 \_\_\_\_\_  
 Title  
 Date: June 22, 2021

**Tierra South Florida, Inc.**  
 \_\_\_\_\_  
 Print Name of Subcontractor/subconsultant  
 By: [Signature]  
 Authorized Signature  
 Raj Krishnasamy, P.E.  
 \_\_\_\_\_  
 Print Name  
**President, TSF**  
 \_\_\_\_\_  
 Title  
 Date: June 14, 2021

**OEBO LETTER OF INTENT – SCHEDULE 2**

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SOLICITATION/PROJECT NUMBER: WUD 21-059

SOLICITATION/PROJECT NAME: Improvements to Lift Stations 980, 981, and 1051

Prime Contractor: Holtz Consulting Engineers, Inc. Subcontractor: Hillers Electrical Engineering, Inc.

**(Check box(s) that apply)**

SBE  WBE  MBE  M/WBE  Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10/17/18-10/16/21

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

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<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
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Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Electrical Engineering Services	\$19,469.85	1		\$19,469.85

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: \$19,469.85

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.

\_\_\_\_\_ Price or Percentage: \_\_\_\_\_

Name of 2<sup>nd</sup>/3<sup>rd</sup> tier Subcontractor/subconsultant

**Holtz Consulting Engineers, Inc.**  
 Print Name of Prime  
 By: Andrea Holtz  
 Authorized Signature  
 Andrea Holtz, P.E.  
 Print Name  
**President**  
 Title  
 Date: 6/14/2021

**Hillers Electrical Engineering, Inc.**  
 Print Name of Subcontractor/subconsultant  
 By: [Signature]  
 Authorized Signature  
 Paul Hillers, P.E.  
 Print Name  
**President**  
 Title  
 Date: 6/11/2021



# ATTACHMENT D

## PROJECT SCHEDULE

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

<u>Engineering Services</u>	<u>Completion Date from Notice to Proceed (Calendar Days)</u>
Task 1 Lift Station Review	45
Task 2 Utility Locates	45
Task 3 Survey	45
Task 4 Geotechnical Investigation	30
Task 5 Design	150
Task 6 Permitting	180
Task 7 Bidding Phase Services	180
Task 8 Project Management	180

Revised 04/26/2021

**ATTACHMENT E**  
**BUDGET SUMMARY**

Palm Beach County Water Utilities Department  
 Contract for Consulting/Professional Services Utility Distribution and Collection System Engineering Services  
 Resolution No.: R2020-1897 Contract Dated: December 15, 2020  
 Consultant Services Authorization: 3  
 Consultant: Holtz Consulting Engineers, Inc.  
 Project Title: Improvements to Lift Stations 980, 981 and 1051  
 PBCWUD Project No.: 21-059

Task No.	Task Description	Labor Classification and Hourly Rate								Total Raw Labor	Mileage	ODC	Sub Consultant Services	TASK TOTAL
		Principal	Associate Engineer	Senior Project Manager	Project Engineer (PE)	Project Engineer (E)	Senior Designer CADD Technician	Drafter	Administrative Assistant					
1.0	<b>Lift Station Review</b>	\$ 84.13	\$ 70.68	\$ 54.39	\$ 40.95	\$ 33.34	\$ 38.78	\$ 33.18	\$ 30.10					
1.1	Kick-off Meeting and Site Visits Including Agenda and Minutes		5		6	5				\$ 765.80				\$ 2,266.76
1.2	Wet Well Drawdown Tests				8	8				\$ 594.32				\$ 1,759.19
1.3	Review Records and GIS		4		8	12				\$ 1,010.40				\$ 2,990.78
1.4	Pump Data Collection and Review		6		10	12				\$ 1,233.66				\$ 3,651.63
1.5	System Curves and Pump Selection		8		12	16				\$ 1,590.28				\$ 4,707.23
2.0	<b>Utility Locates</b>													
2.1	Sunshine One Call and Underground Utility Locates		4		12	12	8	2		\$ 1,544.64				\$ 4,572.13
	<i>Subconsultant - Underdog Utility Detection, LLC</i>											\$ 3,200.00		\$ 3,200.00
2.2	Soft and Hard Digs		2			6		2		\$ 401.60				\$ 1,188.74
	<i>Subconsultant - Underdog Utility Detection, LLC</i>											\$ 4,000.00		\$ 4,000.00
3.0	Survey		2		4	4	6	2		\$ 731.40				\$ 2,164.94
	<i>Subconsultant - Dennis J. Leavy &amp; Associates, Inc.</i>											\$ 10,550.00		\$ 10,550.00
4.0	Geotechnical Investigation		2		2					\$ 223.26				\$ 660.85
	<i>Subconsultant - Tierra South Florida, Inc.</i>											\$ 5,710.00		\$ 5,710.00
5.0	<b>Design</b>													
5.1	60-Percent Progress Drawings and EOPCC	2	30		60	60	80	1		\$ 9,878.56				\$ 29,240.54
	<i>Subconsultant - Hillers Electrical Engineering, Inc.</i>											\$ 10,911.32		\$ 10,911.32
5.2	90-Percent Progress Drawings and EOPCC	2	24		40	40	60	1		\$ 7,193.08				\$ 21,291.52
	<i>Subconsultant - Hillers Electrical Engineering, Inc.</i>											\$ 4,477.04		\$ 4,477.04
5.3	Bid Submittal	4	12		30	30	30	1		\$ 4,606.88				\$ 13,636.36
	<i>Subconsultant - Hillers Electrical Engineering, Inc.</i>											\$ 3,047.20		\$ 3,047.20
6.0	<b>Permitting</b>													
6.1	Permit Application Submittals		9		12	18		3		\$ 1,817.94				\$ 5,381.10
6.2	PBC PZB Signed-and-Sealed Plans		4		2		1	2		\$ 463.60				\$ 1,372.26
	<i>Subconsultant - Hillers Electrical Engineering, Inc.</i>											\$ 451.22		\$ 451.22
7.0	<b>Bidding Phase Services</b>		8		8	10	2	4		\$ 1,424.40				\$ 4,216.22
	<i>Subconsultant - Hillers Electrical Engineering, Inc.</i>											\$ 583.07		\$ 583.07
8.0	<b>Project Management</b>													
8.1	Contract Administration		36					12		\$ 2,905.68				\$ 8,600.81
8.2	QA/QC	18	30							\$ 3,634.74				\$ 10,758.83
8.3	Monthly Schedule Update		12							\$ 848.16				\$ 2,510.55
8.4	Project Design Review and Coordination Meetings (up to 6 total)		18		18	9				\$ 2,309.40				\$ 6,835.82
	<b>Totals</b>	26	216	0	232	242	187	0	30		0	0	\$ 42,929.85	\$ 170,736.11
	Labor Total Hours	26	216	0	232	242	187	0	30					
	Labor Hourly Billing Rates	\$ 84.13	\$ 70.68	\$ 54.39	\$ 40.95	\$ 33.34	\$ 38.78	\$ 33.18	\$ 30.10					
	Labor Raw Costs	\$ 2,187.38	\$ 15,266.88	\$ -	\$ 9,500.40	\$ 8,068.28	\$ 7,251.86	\$ -	\$ 903.00					
	Labor Multiplier	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96					
	Labor SubTotal	\$ 6,474.64	\$ 45,189.96	\$ -	\$ 28,121.18	\$ 23,882.10	\$ 21,465.50	\$ -	\$ 2,672.88					\$ 127,806.26
	<b>Labor Total</b>													\$ 127,806.26
	Mileage/ODC													\$ 0.00
	Subconsultant Total													\$ 42,929.85
	<b>Project Total</b>													\$ 170,736.11

**Underdog Utility Detection LLC.**3524 Lone Pine Road  
Delray Beach FL 33445**Proposal****Proposal Date:** 6/9/2021**Proposal #:** 552**Project:** PBC WUD LS 98...**Bill To:**Holtz Consulting  
270 Central Blvd  
Jupiter FL. 33458

Description	Est. Hours/Qty.	Rate	Total
Locate and mark underground utilities utilizing Electromagnetic and Ground Penetrating Radar. 4Hr Min.	16	200.00	3,200.00
Pot hole excavation on soft surfaces.	10	250.00	2,500.00
Pot hole excavation on hard surfaces.	5	300.00	1,500.00
Scope: locate a radius around 3 lift stations in Boca Raton and perform utility verification by pothole at each. Outlined aerials of each area has been provided as well as some prints of the areas and a KMZ file depicting the locations.			
<b>Total</b>			<b>\$7,200.00</b>

## Underdog Utility Detection LLC.

Underdog Utility Detection LLC. is a private and public utility consulting company that specializes in locating underground utilities and sub surface structures. Due to the nature of underground utility locating, Underdog and other utility locating firms have always disclaimed liability for any damages arising out of or relating to their services.

- Customer is always responsible to call 811 for locates of public utilities.
- Customer is advised and aware that limitations exist in locating non-metallic materials and utilities without traceable wire attached (materials such as but not limited to: Plastic/poly, Fiberglass, Fiberoptic).
- Estimate **DOES NOT** include the use of any push/pull, or Robotic camera systems
- Estimate is based upon all discoveries to be marked using water-based paint, if this is an issue, it must be brought to the attention of Underdog during scheduling to make other suitable marking arrangements.
- Estimate based on having access to any, but not limited to: electrical, communication, mechanical, pump rooms. Also to include but not limited to: any utility plants, chiller towers, lift stations, oxygen/gas farms, or locked fences.
- Any site-specific/onsite training, security/safety procedures, or additional time required onsite beyond estimate, shall be a billable charge up to and exceeding this estimate.
- Any and All Blueprints, As Builds, or any other recorded drawings must be provided to Underdog before work is to begin.
- Any and All Survey work is to be done by others.
- Underdog is **NOT** responsible for maintaining marks after completion.
- In the event of rain or poor weather or site conditions, if the client request the crew to show up, the client will be responsible for the minimum charge, whether or not work is performed.
- Due to variances in equipment, soil, and site conditions, any depths if provided are to be considered estimated depths. **NO** guarantee shall made on any depths provided, whether electronically or GPR ( Ground Penetrating Radar) obtained.
- A 50% down payment will be obtained upon agreement of terms, with remainder paid within 30 days of completion of Underdogs services.

Signature: \_\_\_\_\_ Print Name: \_\_\_\_\_

Company: \_\_\_\_\_ Position: \_\_\_\_\_

**DENNIS J. LEAVY & ASSOCIATES, INC**

Land Surveyors • Mappers

Revised: June 16, 2021  
June 07, 2021



**via Email: [stephen.fowler@holtzconsulting.com](mailto:stephen.fowler@holtzconsulting.com)**

**Holtz Consulting Engineers, Inc.**

Mr. Stephen Fowler, P.E.

270 South Central Boulevard, Suite 207

Jupiter, FL 33458

**RE: PROFESSIONAL LAND SURVEYING SERVICES – PALM BEACH COUNTY LIFT STATIONS 980 AND 981, PALM BEACH COUNTY, FLORIDA, (DJLA #21-049-001)**

Mr. Fowler:

In response to your request for professional land surveying services, we are pleased to offer the following tasks and their respective fees.

**I. TOPOGRAPHIC SURVEY:**

- A. Obtain horizontal and vertical control utilizing Florida state plane 83/90 adjustment Horizontal Datum and NAVD 88 Vertical Datum.
- B. Prepare a Topographic Survey as defined in Rule 5J-17.050 of the Standards of Practice adopted by the Board of Professional Surveyors and Mappers. In particular, the surveys will depict the following information:
  1. Topography at major ground elevation changes to depict existing ground profile at proposed project area, which shall include the following:
    - a. Location of visible fixed improvements within the proposed project limits/right-of-way, including physical objects, drainage swales, native trees, signs, fences and power poles.
    - b. Location of above ground existing utilities: FP&L, BellSouth, Cable TV, Natural Gas, Potable Water (valves, fire hydrants, and meters), Force Mains (valves), Sanitary Sewer, Reclaimed Water Mains (valves), Storm Sewers, including invert elevations, pipe size, type and direction for storm and sanitary infrastructure.
    - c. Elevations shall be obtained to indicate existing grades. Intermediate grades shall be indicated at all significant grade breaks.
    - d. Provide and reference benchmarks. Elevations to be referenced to an existing established City or County Benchmark.

460 BusinessParkWay, Suite B, Royal Palm Beach, Florida 33411 • Phone 561-753-0650  
[SURVEY@DJLASURVEY.net](mailto:SURVEY@DJLASURVEY.net)

2. Provide a digitally signed and sealed .pdf file by a registered land surveyor at 1” = 20’ scale and a computer disk with survey and drawing information compatible with AutoCAD Civil 3D Version 2021.

**FEE FOR THE ABOVE SERVICES .....\$10,550.00**

**It is the contractors/owners responsibility to review the scope of services proposed within this Proposal to insure that the services required to successfully complete this project will be provided.**

**The following statement is required by the State of Florida Statutes:**

**PURSUANT TO SECTION 558.0035 OF THE FLORIDA STATUTES, AS AMENDED, AN INDIVIDUAL EMPLOYEE OR AGENT OF DENNIS J. LEAVY & ASSOCIATES, INC. MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.**

**The above fees are subject to the following conditions:**

1. This Proposal is **valid for ninety (90) calendar days** from the date which first appears on this Proposal. After ninety (90) business days, Dennis J. Leavy & Associates, Inc. reserves the right to review and modify the fee(s) and/or time schedule(s) stated in this Proposal
2. Any services not included in this Proposal will be considered Additional Services. Additional Services will be provided at the hourly rates in effect at the time the services are requested, plus reimbursable expenses or for an agreed upon lump sum fee.

**DJLA Current Hourly Rates:**

Principal .....	\$140.00/hr.
Professional Surveyor and Mapper .....	\$125.00/hr.
Field Survey crew (truck, conventional survey equipment) .....	\$140.00/hr.
Survey Associate.....	\$100.00/hr.
Computer Draftperson .....	\$ 85.00/hr.
Office .....	\$ 75.00/hr.
Prints .....	\$ 1.00/s.f.

Revised: June 16, 2021

June 07, 2021

Palm Beach County Lift Stations 980, 981 & 1051 Project (DJLA #21-049-001)

Page 4

These fees do not include the cost of any governmental agency submittal fee or hard costs for printing, reproductions or fees for full-time construction supervision. Representation before public bodies, review agencies, etc. will be done at applicable hourly rates. This includes, but is not limited to, any administrative processing that may be required for submittal to the various municipal and county agencies. Payment is due upon receipt of the invoice and will be considered delinquent if payment is not received within thirty (30) business days of the date of said invoice. A late payment finance charge will be assessed at the rate of 1.5% per month if payment is not received within thirty (30) business days of the invoice date.

The obligation to provide services under this Proposal may be terminated by either party upon receipt of written notice within seven (7) business days in the event of a substantial failure by the other party to perform in accordance with the terms thereof through no fault of the terminating party. In the event of termination, Dennis J. Leavy & Associates, Incorporated shall be paid for all services rendered to the date of termination including all reimbursable expenses and termination expenses. Liability of this contact is limited to not exceed the fees stated herein. Revisions and/or additional services required outside of this Proposal will be invoiced as an addendum to this Proposal. Fees for revisions and/or additional services will be invoiced based on our current hourly/unit rates.


This Proposal, consisting of five (05) pages, represents the entire understanding between **Dennis J. Leavy & Associates, Incorporated** and **Holtz Consulting Engineers, Inc.**, with respect to the project and may only be modified in writing, signed by all parties.

Thank you in giving us the opportunity to bid this project. We hope to hear from you shortly. If the terms and conditions contained herein are acceptable, please sign and return a copy of this Proposal to our office.

Should you have any questions regarding the above, please do not hesitate to contact me.

Sincerely,

DENNIS J. LEAVY & ASSOCIATES, INC.

  
\_\_\_\_\_  
David A. Bower, P.S.M.  
Vice President



Revised: June 16, 2021

June 07, 2021

Palm Beach County Lift Stations 980, 981 & 1051 Project (DJLA #21-049-001)

Page 5

ACCEPTANCE OF PROPOSAL: The fees, terms and conditions, and specifications contained herein are satisfactory and are hereby accepted. Dennis J. Leavy & Associates, Incorporated is authorized to perform the work as specified.

**RE: PROFESSIONAL LAND SURVEYING SERVICES – PALM BEACH COUNTY LIFT STATIONS 980 AND 981, PALM BEACH COUNTY, FLORIDA, (DJLA #21-049-001)**

**PROPOSAL ACCEPTED BY:**

\_\_\_\_\_  
Name and Title

\_\_\_\_\_  
Firm Name

\_\_\_\_\_  
Date of Acceptance

**[By executing this Proposal, I represent that I am a duly authorized representative of the Company named above and have full power and authority to approve this Proposal].**

The following statement is required by the State of Florida Statutes.

**PURSUANT TO SECTION 558.0035 OF THE FLORIDA STATUTES, AS AMENDED, AN INDIVIDUAL EMPLOYEE OR AGENT OF DENNIS J. LEAVY & ASSOCIATES, INC. MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.**

**DENNIS J. LEAVY & ASSOCIATES, INC.  
BUDGET SUMMARY**

**Palm Beach County Water Utilities Department  
Project Title: PBC WUD Lift Stations #980 & 981  
WUD Project No.: 21-059  
Consultant: Dennis J. Leavy & Associates, Inc.  
DJLA Job #21-049-001**

**BUDGET SUMMARY**

		Labor Classification and Hourly Rate								
Task		Principle	Professional Surveyor (PSM)	3 man Survey Crew	Survey Associate	CADD Technician	Clerical	Total	Sub Consultant	
Number	Task Description	\$140.00	\$125.00	\$140.00	\$100.00	\$85.00	\$75.00	Labor	Services	
1	Survey and Mapping	0.00	4.00	30.00	16.00	50.00	0.00	100.00		
2	Title Search (Statewide Land Title, Inc.)									
	Subtotal Task 1	0.00	4.00	30.00	16.00	50.00	0.00			
	Subtotal Task 2								0.00	
	Labor Subtotal Hours	0.00	4.00	30.00	16.00	50.00	0.00	100.00		
	Labor Raw Costs	\$0.00	\$500.00	\$4,200.00	\$1,600.00	\$4,250.00	\$0.00	\$10,550		
	Labor Total	\$10,550.00								
	Reproduction	\$0.00								
	Project Total	\$10,550.00								



June 1, 2021, Rev 1 6/7/21, Rev 2 7/9/21

**Holtz Consulting Engineers, Inc.**  
**270 South Central Blvd., Suite 207**  
**Jupiter, FL 33458**  
**Attn: Mr. Stephen Fowler, P.E., CGC**  
**email: [Stephen.Fowler@HoltzConsulting.com](mailto:Stephen.Fowler@HoltzConsulting.com)**

**RE: Proposal for Geotechnical Services**  
**PBC WUD Lift Station Project**  
**Lift Stations 1051, 980 and 981**  
**Boca Raton, Florida**  
**TSF Proposal No.: 2106-379**

Dear Stephen:

As requested, **TIERRA SOUTH FLORIDA, INC. (TSF)** is pleased to submit this proposal for the above-referenced project. This proposal includes an outline of our proposed scope of work, an estimate of the total fees, and our anticipated schedule for completion of the work.

#### **PROPOSED SCOPE OF WORK**

All work performed by TSF will be in general accordance with PBC standards. We understand that new lift stations will be installed at the two sites noted in Boca Raton, Florida. As requested, TSF will perform one (1) Standard Penetration Test (SPT) boring to a depth of 35 feet for each of the two (2) sites.

Boring locations will be approximately located and noted in the field by our personnel by measuring distances with a tape from known reference points. Elevations at boring locations can be interpreted from topographic plans if furnished by others. Prior to drilling at the project site, TSF will notify the local utility companies and request that underground utilities be marked. Our experience, however, is that the utility companies will not mark privately owned utilities. Our

proposal assumes that private utility lines will be located in the field by others prior to mobilization of the drill rig. TSF will recommend a utility line locating service upon request.

Upon completion of the field exploration, laboratory testing will be performed on selected samples. A geotechnical engineer will evaluate the results of all drilling and laboratory testing. A report will be issued that contains the exploration data, a discussion of the site and subsurface conditions, evaluation, and recommendations of lift station foundation, and soil parameters for wall pressures and a discussion of some construction considerations.

**ESTIMATED FEES**

It is proposed that the fee for the performance of the services outlined above is determined on a unit price basis in accordance with the attached Fee Schedule. On the basis of the proposed quantities, it is estimated that the total fee will be approximately as noted below:

<b>FIELD INVESTIGATION, LAB TESTING &amp; COORDINATI</b>	<b>\$3,895.00</b>
<b>ENGINEERING AND TECHNICAL SERVICES</b>	<b>\$1,815.00</b>
<b>TRAFFIC CONTROL -MOT</b>	<b>\$0.00</b>
	<b>\$5,710.00</b>

Our estimate covers the work needed to present our findings in a formal report. Not included are reviews of foundation drawings, preparation of construction specifications, special conferences and any other work requested after submittal of our report.

Boring, sampling, and testing requirements are a function of the subsurface conditions encountered. Therefore, the estimated fee previously indicated is approximate, and compensation for the exploration will be based on the actual work and tests performed. We will endeavor to keep the exploration cost at a minimum consistent with good engineering practice.

**SCHEDULE AND AUTHORIZATION**

TSF will proceed with the work after receipt of a signed copy of this proposal. With our present schedule, we can commence work within a few days of project approval (weather permitting and utility clearance). The fieldwork is expected to take about one to two days to complete. The written report can be submitted about two weeks after completion of the field exploration, depending on the extent of the laboratory-testing program. Verbal preliminary recommendations can be made to appropriate parties prior to submittal of the written report.

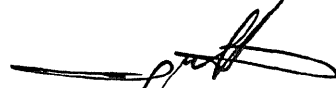
We at TSF appreciate the opportunity to submit this proposal and look forward to working with you on this project. If you should have any questions concerning our proposal, please contact our office.

Respectfully submitted,

***TIERRA SOUTH FLORIDA, INC.***



Harmon C. Bennett, P.E.  
Principal Engineer



Raj Krishnasamy, P.E.  
President

Attachments:

Fee Estimate

Boring Location Plan

TIERRA SOUTH FLORIDA, INC.

FIELD INVESTIGATION, LAB TESTING & COORDINATION					Unit	# of Units	Unit Price		Total
<b>FIELD INVESTIGATION</b>									
Mobilization of drilling equipment to project (Min. charge)									
VI. 8. 1.	Truck-Mounted Equipment (50-mile travel) (V1. 8. 1)	Trip	1	\$	350.00	\$			350.00
VI. 3. 1.	Standard Penetration Test Borings - Truck Rig (0 - 50 ft depth	L.F.	70	\$	13.00	\$			910.00
VI. 4. 1.	GroutSeal Boreholes 0 - 50 ft depth (VI. 4. 1.)	L.F.	70	\$	6.00	\$			420.00
VI. 5. 1.	Casing Allowance 0 - 50 ft depth	L.F.	70	\$	7.00	\$			490.00
									2,170.00
<b>LABORATORY TESTING</b>									
I. 5.	Atterberg Limit Test	Test	0	\$	80.00	\$			0.00
I. 7.	Organic Content Test	Test	0	\$	50.00	\$			0.00
I. 8.	Corrosion Series	Test	2	\$	190.00	\$			380.00
I. 10.	Natural Moisture Content Tests	Test	1	\$	20.00	\$			20.00
III. 1. A.	Grain size determinationn - Full Grain Size (8 sieves)	Test	1	\$	75.00	\$			75.00
III. 1. B.	Grain size determinationn - Wash through (#200)	Test	0	\$	45.00	\$			0.00
III. 8. 4.	Staff Engineer	Hour	3	\$	105.00	\$			315.00
									790.00
<b>FIELD ENGINEERING AND TECHNICAL SERVICES</b>									
VIII. 3.	Engineer, P.E.	Hour	1	\$	135.00	\$			135.00
VIII. 5.	Senior Engineering Technician	Hour	4	\$	70.00	\$			280.00
VIII. 6.	Engineering Technician	Hour	8	\$	65.00	\$			520.00
									935.00
<b>ENGINEERING AND TECHNICAL SERVICES</b>									
VIII. 1.	Principal Engineer/PM, P.E.	Hour	1	\$	175.00	\$			175.00
VIII. 2.	Senior Geotechnical Engineer, P.E.	Hour	2	\$	150.00	\$			300.00
VIII. 3.	Engineer, P.E.	Hour	8	\$	135.00	\$			1,080.00
VIII. 7.	Drafter/Cadd	Hour	4	\$	65.00	\$			260.00
									1,815.00
<b>FEE FOR GEOTECHNICAL SERVICES-Mast Arms</b>							\$		<b>5,710.00</b>



# H E E

HILLERS ELECTRICAL ENGINEERING, INC.

June 4, 2021

Stephen Fowler, P.E.  
Holtz Consulting Engineers, Inc.  
270 South Central Blvd., Suite 207  
Jupiter, FL 33458

Subject: PBC Lift Stations 980, 981, and 1051 Upgrade

Dear Stephen:

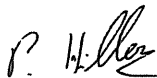
Hillers Electrical Engineering, Inc. (HEE) is pleased to provide Holtz Consulting Engineers, Inc. (HCE) a proposal for the electrical, instrumentation and control (I&C) design engineering services associated with the above referenced project. All lift stations are duplex. The scope of services is as follows:

- Visit lift station sites to become familiar with the project
- Coordinate with FPL for new electrical services. Coordinate with FPL to upgrade the existing 240V, 3-phase service to 480V, 3-phase service for Lift Station 1051.
- Coordinate with AT&T to relocate the existing fiber optic cable passing through existing Lift Station 1051.
- Design Automatic Transfer Switch (ATS) to connect with owner provided generator for Lift Station 980.
- Design generator connections for Lift Stations 981 and 1051.
- 60%, 90%, and bid documents for electrical and I&C design
- Review meetings
- Building permit assistance
- Bidding assistance

Our proposed not-to-exceed electrical and instrumentation and control fee for the three lift stations is \$ 19,469.85.

If you have any questions, please call.

Sincerely,



Paul Hillers





## ATTACHMENT F

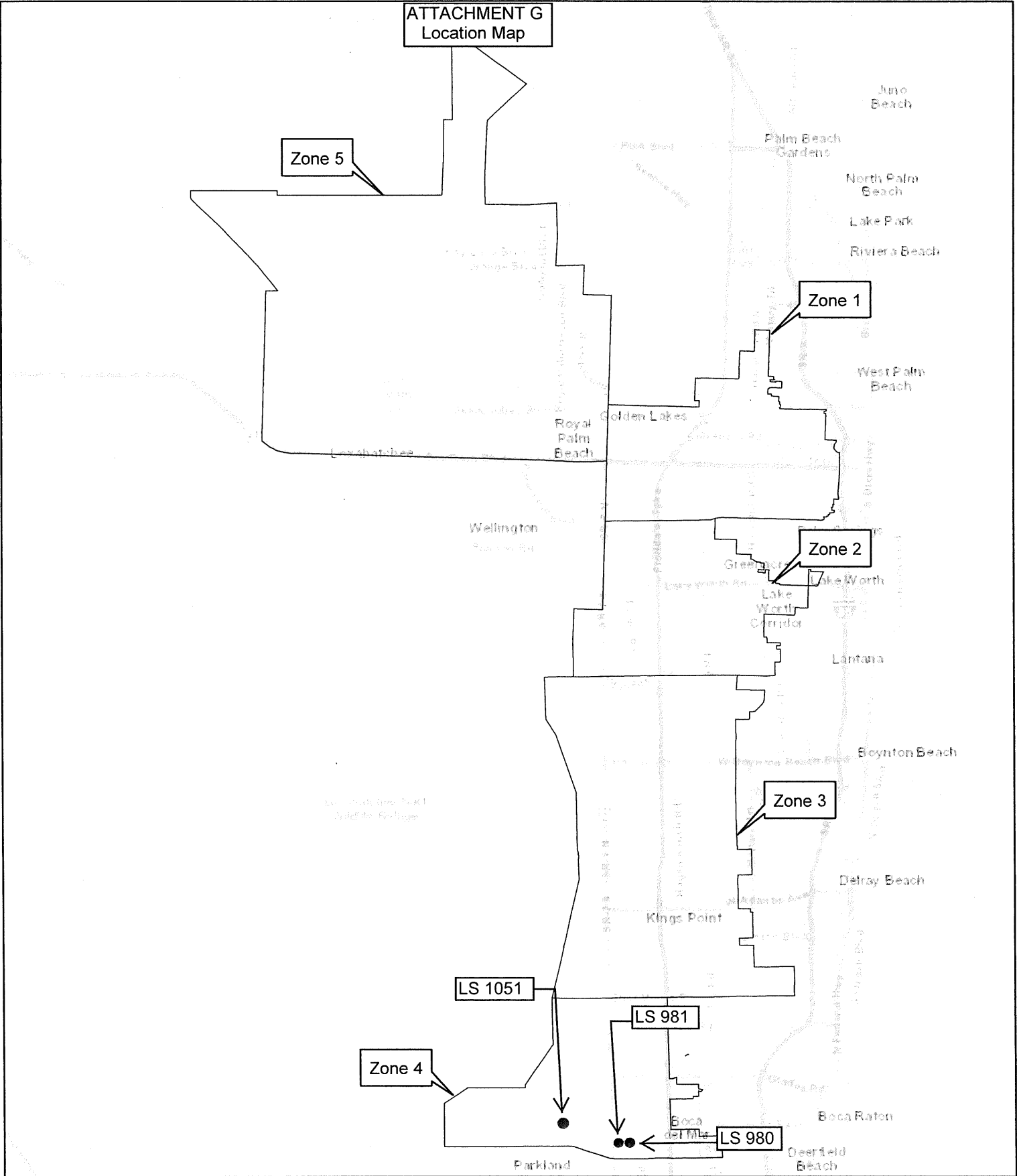
Palm Beach County Water Utilities Department  
 Contract for Consulting/Professional Services  
 Utility Distribution & Collection Engineering Services  
 Resolution No.  R2020-1897  Contract Dated  December 15, 2020

### SUMMARY OF SBE-M/WBE BUSINESS TRACKING

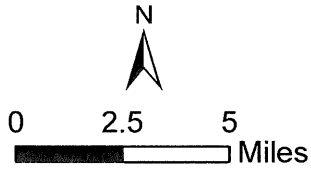
Master Contract Goals	SBE: 96%	M/WBE: 90%	MBE (H): 85%	MBE (A): 5%
Current Proposal				
Value of Authorization No. <u> 3 </u>	\$170,736.11	\$170,736.11	\$170,736.11	\$170,736.11
Value of SBE-M/WBE Letters of Intent	\$157,826.11	\$147,276.11	\$127,806.26	\$19,469.85
Actual Percentage	92.43%	86.25%	74.85%	11.40%
Signed/Approved Authorizations				
Total Value of Authorizations	\$815,300.49	\$815,300.49	\$815,300.49	\$815,300.49
Total Value of SBE-M/WBE Signed Subcontractors	\$680,161.69	\$585,661.69	\$585,661.69	\$0.00
Actual Percentage	83.42%	71.83%	71.83%	0.00%
Signed/Approved Authorizations Plus Current Proposal				
Total Value of Authorization	\$986,036.60	\$986,036.60	\$986,036.60	\$986,036.60
Total Value of Subcontractors & Letters of Intent	\$837,987.80	\$732,937.80	\$713,467.95	\$19,469.85
Actual Percentage	84.98%	74.33%	72.35%	1.97%

Revised 04/26/2021

**ATTACHMENT G  
Location Map**



**PBCWUD Project No. 21-059  
Improvements to Lift Stations 980, 981  
and 1051**



**Legend**  
 Zones

Project Title: Improvements to Lift Stations 980, 981 and 1051

PBCWUD Project No.: 21-059

Consultant: Holtz Consulting Engineers, Inc.

Address: 270 South Central Blvd., Suite 207, Jupiter, FL 33458

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

District No.: 5

This Consultant Services Authorization provides for: the replacement of Lift Stations 980, 981 and 1051. Included are engineering design services including survey, permitting, civil, structural, geotechnical design, and bid support for the replacement of the three (3) lift stations.

(See ATTACHMENT A for detailed scope of services)

The Contract provides for 96.00% SBE participation, which includes 90.00% M/WBE participation, 85.00% MBE (H), and 5.00% MBE (A). This Consultant Services Authorization includes 92.43% overall participation which includes 86.25% M/WBE participation, 74.85% MBE (H), and 11.40% MBE (A). The cumulative SBE participation, including this Consultant Services Authorization is 84.98%, which includes 74.33% M/WBE participation, 72.35% MBE ( H), and 1.97% MBE (A).

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 \$ 170,736.11

B. Fixed price of \$ \_\_\_\_\_

C. Total \$ 170,736.11

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.

CONSULTANT SERVICES AUTHORIZATION NO. 3  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
Utility Distribution & Collection Engineering Services  
Resolution No. R2020-1897 Contract Dated December 15, 2020

**Project Title:** Improvements to Lift Stations 980, 981 and 1051

**PBCWUD Project No.:** 21-059

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 12/15/2020 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.

CONSULTANT SERVICES AUTHORIZATION NO. 3  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
Utility Distribution & Collection Engineering Services  
Resolution No. R2020-1897 Contract Dated December 15, 2020

Project Title: Improvements to Lift Stations 980, 981 and 1051

PBCWUD Project No.: 21-059

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

Joseph Abruzzo, Clerk of the Circuit Court  
& Comptroller, Palm Beach County

Palm Beach County, Board  
of County Commissioners

ATTEST:

Signed: \_\_\_\_\_

GAM  
Signed: \_\_\_\_\_  
KB for AB Dave Kerner, Mayor

Typed Name: \_\_\_\_\_  
Deputy Clerk

\_\_\_\_\_  
(Date)

Approved as to Form and Legal  
Sufficiency

CONSULTANT: Holtz Consulting  
Engineers, Inc.

Signed: \_\_\_\_\_

[Signature]  
\_\_\_\_\_  
(Signature)

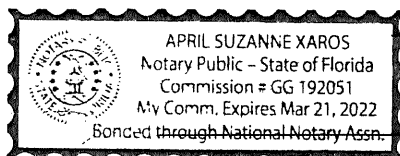
Typed Name: Michael W. Jones  
County Attorney

Andrea Holtz, President  
\_\_\_\_\_  
(Name and Title)

7-19-21  
\_\_\_\_\_  
(Date)

STATE OF FLORIDA  
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of  physical presence or  online notarization,  
this 19 day of July, 2021, by Andrea Holtz who is  personally  
known to me or  has produced \_\_\_\_\_ as identification.



[Signature]  
\_\_\_\_\_  
(Signature of Notary Public - State of Florida)

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

CONSULTANT SERVICES AUTHORIZATION NO. 3  
Palm Beach County Water Utilities Department  
Contract for Consulting/Professional Services  
Utility Distribution & Collection Engineering Services  
Resolution No. R2020-1897 Contract Dated December 15, 2020

**LIST OF ATTACHMENTS**

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

Revised 04/26/2021





