

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: May 17, 2022 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. 7 to the Consulting/Professional Services Utility Distribution & Collection System Engineering Services Contract (Contract) with Holtz Consulting Engineers, Inc. (Consultant) for the Palmetto Park Road Force Main Replacement (Project) for a not to exceed amount of \$251,461.24.

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. 7 provides for professional engineering services relating to design and permitting of the Project. These services include utility locates, surveying, geotechnical engineering, construction plans, permitting and bid support services for the replacement of approximately two (2) miles of 12-inch and 16-inch force main along Palmetto Park Road from Boca Falls Drive to Catskill Court.

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% MBE participation, 85.00% MBE (H), and 5.00% MBE (A). CSA No. 7 includes 87.82% SBE participation which includes 43.74% MBE participation, 43.74% MBE (H), and 0.00% MBE (A). The cumulative SBE participation including CSA No. 7 is 85.26%, which includes 71.21% MBE participation, 68.80% MBE (H), and 2.40% MBE (A). Consultant is a Palm Beach County based company. The Project is included in the PBCWUD FY22 budget. (PBCWUD Project No. 22-015) District 5 (MWJ)

Background and Justification: This portion of the existing force main pipe along Palmetto Park Road has reached the end of its useful life and is experiencing frequent main breaks. The existing 12-inch force main pipe is undersized and needs to be upgraded to a 16-inch force main. This Project will restore the service life and improve the long term operability and reliability of PBCWUD's wastewater collection system.

Attachments:

- 1. Two (2) Originals of Consultant Services Authorization No. 7
- 2. Location Map
- 3. Certificate of Liability Insurance

Recommended By: *Krupton Bok* 4-20-2022
for Department Director Date

Approved By: *Will J. Jones* 4/29/2022
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2022	2023	2024	2025	2026
Capital Expenditures	<u>\$251,462</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>
NET FISCAL IMPACT	<u>\$251,462</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Budget Account No.: Fund 4011 Dept 721 Unit W019 Object 6547

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: Joony Preston GF

III. REVIEW COMMENTS

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

Lise Mac 4/21/22
8/4/2022 OFMB 4/20/22

J. J. Jacobson 4/27/22
 Contract Development and Control

B. Legal Sufficiency:

[Signature] 4/28/22
 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. 7
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Utility Distribution & Collection System Engineering Services
Resolution No. R2020-1897 Contract Dated December 15, 2020

Project Title: Palmetto Park Road Force Main Replacement

PBCWUD Project No.: 22-015

Consultant: Holtz Consulting Engineers, Inc.

Address: 270 S Central Blvd, Suite 207, Jupiter, FL 33458

Budget Line Item No.: 4011-721-W019-6547

District No.: 5

This Consultant Services Authorization provides for: the installation of approximately two (2)-miles of 12-inch and 16-inch force main along Palmetto Park Road in Boca Raton from Boca Falls Drive to Catskill Court. Included are engineering design services, survey, permitting, civil, geotechnical design, and bid support for the proposed improvements

(See ATTACHMENT A for detailed scope of services)

The Contract provides for 96.00% SBE participation, which includes 90.00% MBE participation, 85.00% MBE (H), and 5.00% MBE (A).

This Consultant Services Authorization includes 87.82% overall participation which includes, 43.74% MBE participation, 43.74% MBE (H), and 0.00% MBE (A).

The cumulative SBE participation, including this Consultant Services Authorization is 85.26%, which includes 71.21% MBE participation, 68.80% MBE (H), and 2.40% 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 \$251,461.24

B. Fixed price of \$0.00

C. Total \$251,461.24

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. 7
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Utility Distribution & Collection System Engineering Services
Resolution No. R2020-1897 Contract Dated December 15, 2020

Project Title: Palmetto Park Road Force Main Replacement

PBCWUD Project No.: 22-015

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. 7
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Utility Distribution & Collection System Engineering Services
Resolution No. R2020-1897 Contract Dated December 15, 2020

Project Title: Palmetto Park Road Force Main Replacement

PBCWUD Project No.: 22-015

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: _____

*HMM
KB
or AB*

Signed: _____

Robert S. Weinroth, 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

Stephen Fowler, Vice President

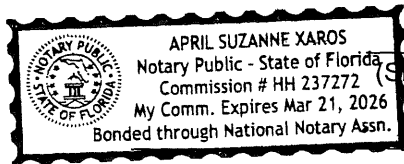
(Name and Title)

4/14/2022

(Date)

STATE OF FLORIDA
COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me by means of physical presence or online notarization,
this 14 day of April, 2022 by Stephen Fowler who is personally
known to me or has produced _____ as identification.



April Xaros

(Signature of Notary Public - State of Florida)

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

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

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Subtask 1.2 – Review Records and Geographic Information Systems (GIS)

CONSULTANT shall review available as-built record drawing information for the existing PBCWUD facilities in the vicinity of the project site. These drawings will be used to assist in preparing the force main connection locations and routing. 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.

Task 1 Deliverables:

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

Task 1 Assumptions:

- PBCWUD staff will determine the size(s) of the force main to be designed.
- The new force main shall be installed within the Palmetto Park Road right-of-way.
- PBCWUD shall provide available record drawings for the existing mains in the area.

Task 2 – Force Main Sizing

Subtask 2.1 Hydraulic Model of Existing System

CONSULTANT shall create a hydraulic model using Innovyze InfoWater modeling software of the force main network in the project area, which will include up to ten (10) lift stations (LS): LS 1075, LS 1077, LS 1076, LS 1070, LS 1043, LS 1047, LS 1050, LS 1041, LS 1045, LS and 1044. The force main network will also include over four (4) miles of force mains ranging from 4-inch 16-inch.

Subtask 2.2 New Force Main Size Determination

CONSULTANT will use the hydraulic model to run multiple scenarios to determine the appropriate size for the new force main. The new force main will be sized to meet the minimum scouring velocity at peak hour flow and to not create a dead-head condition at any of the ten (10) upstream lift stations. CONSULTANT will meet with PBCWUD staff to discuss the results from the model and agree on the new force main size.

Subtask 2.3 Summary Technical Memorandum

CONSULTANT will prepare a technical memorandum summarizing the methodology and results of the hydraulic model. The technical memorandum will also summarize the discussions of the model with PBCWUD staff and the final force main size.

Task 2 Assumptions:

- PBCWUD will provide existing pump curves, two weeks of pressure data and pump run times, and record drawings, which include the lift station wet well, and force main elevations for the lift stations listed above.
- PBCWUD will provide two (2) weeks of force main pressure data at the connection point of the new force main to the existing 16-inch force main at the intersection of Catskill Court. and Palmetto Park Road.

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- The peak hour peaking factor will be 2.5 unless otherwise directed by PBCWUD.
- CONSULTANT will not be evaluating the hydraulic performance of the ten (10) existing stations. CONSULTANT will provide the change in operating pressure for each station.

Task 3 – Utility Locates

Subtask 3.1 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 above-ground 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 designated utility owner mark the plans and/or 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 confirms by stating 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.

Task 3 Deliverables

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

Task 4 – Survey

Subtask 4.1 – Topographic Route Survey

Under this task, CONSULTANT shall perform a topographic survey of the proposed force main route (approximately 11,100 linear feet) along Palmetto Park Road (right-of-way to right-of-way, approximately 200' wide), depicting the horizontal and vertical location of visible facilities and surface features. 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 proposed force main route depicting the horizontal and vertical location of facilities. Elevations shall be obtained at 100-foot stations to indicate existing grades. Intermediate grades shall be indicated at all significant grade breaks.
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 at least 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 4 Deliverables

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

Task 5 – Geotechnical Investigation

The CONSULTANT shall perform subsurface explorations and geotechnical studies to obtain subsurface soil information necessary for the proper design of the force main and for potential bidders' use in determining installation methods. The work includes three (3) Standard Penetration Tests (SPT) to a depth of 30 feet in the vicinity of the proposed force main route. 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 will be made available to potential bidders for informational purposes only.

Task 5 Deliverables

- One (1) PDF file and one (1) hard copy of signed and sealed geotechnical report.

Task 5 Assumptions

- It is assumed that all test holes will be conducted within PBCWUD easements or public right-of-way and no permits will be needed to complete the geotechnical investigation.

Task 6 – Design

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

This drawing package is anticipated to have approximately 24 engineering plan sheets. The drawings will depict plan and profile views of the force main and will generally include:

- Cover Sheet
- Sheet Index
- Location Map Sheet
- Legend Sheet
- General Notes Sheet
- Twelve (12) Force Main Plan Sheets at 1" = 20' scale
- Up to five (5) PBCWUD's standard detail sheets supplemented by two (2) additional Civil Detail Sheet, as necessary

- The drawings will include PBCWUD's standard details and will be supplemented with the CONSULTANT's standard details for preparation of the technical specifications for the project and to be included in the bidding documents.

Subtask 6.1 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") sets 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). CONSULTANT will address the 60% review red-marked comments in the plans provided by PBCWUD.

Subtask 6.2 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") sets 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 include an updated table of contents and a complete draft of the technical specification sections and an EOPCC will. CONSULTANT will address the 90% review red-marked comments in the plans provided by PBCWUD.

Subtask 6.3 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 electronic 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 6 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 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 6 Assumptions

- Updating of record drawings is not included in this task.

- 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 7 – Permitting

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). Permits will be required from the following agencies:

- Palm Beach County Health Department
- Palm Beach County Engineering and Public Works Department - Land Development

Task 7 Deliverables

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

Task 7 Assumptions

- PBCWUD will be responsible for all applicable permit fees.
- All permitting submittals will be electronic.

Task 8 – Bidding Phase Services

Attend a pre-bid meeting 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

- One (1) set of conformed Technical Specifications.

CONSULTANT will provide the above documents in PDF and the drawings in AutoCAD (version 2020 or later) for PBCWUD and the Contractor's use preparing Record Drawings. No site visits are included in this task.

Task 8 Deliverables

- Bid documents
- Meeting minutes and sign-in sheets from the pre-bid meeting
- Addenda if required
- Recommendation of Award
- Conformed Documents

Task 9 - Project Management

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

Subtask 9.1 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 and inform PBCWUD staff of project status and progress. Communications with PBCWUD will be conducted under this task. Invoices shall be prepared monthly.

Subtask 9.2 Quality Assurance/Quality Control (QA/QC)

The CONSULTANT will be conducting an 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 9.3 Monthly Schedule Update

Submit electronic 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 9.4 Project Design Review and Coordination Meetings

Attend and participate in up to four (4) project meetings total with PBCWUD staff 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

Task 9 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 schedule 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, 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.
3. A scope of work and compensation for Engineering Services during Construction will be determined in a future CSA or supplement to this Contract if requested by PBCWUD.

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) present at project review meetings.

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ATTACHMENT B

SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

Auth. No.	WUD Project No.	Title	Status	Project Total Amount	SBE Total Amount	SBE Participation %	By	Date
1	21-016	Valve Additions - Phase 1	Approved	\$200,714.90	\$143,914.90	71.70%	BCC	4/6/2021
2	21-035	Priority Aerial Canal Crossing Improvement Phase 3	Approved	\$614,585.59	\$555,516.79	90.38%	BCC	5/18/2021
3	21-059	Improvements to Lift Stations 980, 981, and 1051	Approved	\$170,736.11	\$157,826.11	92.43%	BCC	8/17/2021
3.1	21-059	Improvements to Lift Stations 980, 981, and 1051	Pending	\$98,701.45	\$90,654.26	91.84%	CRC	Pending
4	22-003	Valve Additions - Phase 2	Approved	\$236,305.02	\$167,405.02	70.84%	BCC	2/1/2022
5	22-002	Finrock Lift Station and Force Main Rehabilitation	Approved	\$139,845.95	\$130,400.95	93.24%	BCC	2/1/2022
6	21-081	89 th Place North Water Main Extension	Pending	\$53,312.75	\$50,112.75	93.99%	BCC	Pending
7	22-015	Palmetto Park Road Force Main Replacement	Pending	\$251,461.24	\$220,851.24	87.82%	BCC	Pending
8	22-016	Main Street Water Main Replacement in Canal Point	Pending	\$49,839.54	\$48,239.54	96.78%	WUD	Pending

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: Palmetto Park Force Main Replacement
 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 22-015
 ADDRESS: 270 South Central Boulevard, Suite 207 Jupiter, FL 33458
 PHONE NO.: 561-575-2005 E-MAIL: stephen.fowler@holtzconsulting.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 Minority/Women Business	SBE Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
1. Holtz Consulting Engineers, Inc 270 South Central Boulevard, Suite 207 Jupiter, FL 33458 (561)-575-2005	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	\$109,994.69	_____	_____	_____
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"/>	_____	_____	_____	\$24,000	_____
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"/>	_____	_____	_____	\$110,856.55	_____
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"/>	_____	_____	_____	_____	\$6,610.00
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
(Please use additional sheets if necessary)				Total	\$109,994.69	_____	\$134,856.55	\$6,610.00
Total Bid Price \$ <u>251,461.24</u>				Total SBE - M/WBE Participation <u>\$220,851.24 / 87.82%</u>				

I hereby certify that the above information is accurate to the best of my knowledge: _____
Signature Stephen Fowler, Vice President
Title

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

ATTACHMENT C

OEBO SCHEDULE 2

Office of Equal Business Opportunity Compliance Programs

Revised 12/06/2021

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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 22-015

SOLICITATION/PROJECT NAME: Palmetto Park Force Main Replacement

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):

Column 1	Column 2	Column 3
<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				\$109,994.69

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: \$109,994.69

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 2nd/3rd tier Subcontractor/subconsultant

Holtz Consulting Engineers, Inc.

Print Name of Prime

By: 
Authorized Signature

Stephen Fowler, P.E.

Print Name

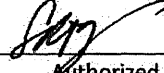
Vice President

Title

Date: 4/12/2022

Holtz Consulting Engineers, Inc.

Print Name of Subcontractor/subconsultant

By: 
Authorized Signature

Stephen Fowler, P.E.

Print Name

Vice President

Title

Date: 4/12/2022

OEBO LETTER OF INTENT – SCHEDULE 2

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SOLICITATION/PROJECT NUMBER: WUD 22-015

SOLICITATION/PROJECT NAME: Palmetto Park Force Main Replacement

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) 01/05/22 - 01/04/25

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 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
	Topographic Engineering Survey				\$110,856.55

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$110,856.55

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

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

Holtz Consulting Engineers, Inc.


 Print Name of Prime
 By: 

 Authorized Signature
 Stephen Fowler, P.E.

 Print Name
 Vice President

 Title
 Date: 04/14/2022

Dennis J. Leavy & Associates, Inc.

 Print Name of Subcontractor/subconsultant
 By: 

 Authorized Signature
 David A. Bower, PSM

 Print Name
 Vice President

 Title
 Date: 4/14/2022

OEBO LETTER OF INTENT – SCHEDULE 2

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SOLICITATION/PROJECT NUMBER: WUD 22-015

SOLICITATION/PROJECT NAME: Palmetto Park Force Main Replacement

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):

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 checked="" 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
	Underground Utility Location Services				\$24,000.00

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: \$24,000.00

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

Holtz Consulting Engineers, Inc.

Print Name of Prime

By: [Signature]
Authorized Signature

Stephen Fowler, P.E.

Print Name

Vice President

Title

Date: 4/1/2022

Underdog Utility Detection, LLC

Print Name of Subcontractor/subconsultant

By: [Signature]
Authorized Signature

Justin Ryan

Print Name

President

Title

Date: 4/1/2022

OEBO LETTER OF INTENT – SCHEDULE 2

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SOLICITATION/PROJECT NUMBER: WUD 22-015

SOLICITATION/PROJECT NAME: Palmetto Park Force Main Replacement

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):

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	

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Line Item	Item Description	Unit Price	Quantity/Units	Contingencies/Allowances	Total Price/Percentage
01	Geotechnical Services	\$6,610.00	1		\$6,610.00

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: \$6,610.00

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 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: _____

Holtz Consulting Engineers, Inc.

Print Name of Prime

By: 

Authorized Signature

Stephen Fowler, P.E.

Print Name

Vice President

Title

Date: 04/14/2022

Tierra South Florida, Inc.

Print Name of Subcontractor/subconsultant

By: 

Authorized Signature

Rajan Krishnasamy, P.E.

Print Name

President, TSF

Title

Date: 1/28/2022

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</u> (Calendar Days)
Task 1 Project Record Review	30
Task 2 Force Main Sizing	60
Task 3 Utility Locates	30
Task 4 Survey	45
Task 5 Geotechnical Investigation	60
Task 6 Design	255
Task 7 Permitting	270
Task 8 Bidding Phase Services	300
Total CSA Duration	300

Revised 12/06/2021

**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: 7
 Consultant: Holtz Consulting Engineers, Inc.
 Project Title: Palmetto Park Road Force Main Replacement
 PBCWUD Project No.: 22-015

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 (EI)	Senior Designer CADD Technician	Drafter	Administrative Assistant						
1.0	Project Record Review														
1.1	Kick-off Meeting and Site Visits Including Agenda and Minutes	4		4	4	4					\$ 851.24				\$ 2,519.67
1.2	Review Records and GIS				6	6					\$ 445.74				\$ 1,319.38
2.0	Force Main Sizing														
2.1	Hydraulic Modeling	4		40		16					\$ 3,045.56				\$ 9,014.86
2.2	New Force Main Size Determination	4		8							\$ 771.64				\$ 2,284.05
2.3	Summary Technical Memorandum	4		16		16					\$ 1,740.20				\$ 5,150.99
3.0	Utility Locates														
3.1	Sunshine One Call and Underground Utility Locates	1		1	4	6	6		2		\$ 795.24				\$ 2,353.91
	<i>Subconsultant - Underdog Utility Detection, LLC</i>												\$ 24,000.00		\$ 24,000.00
4.0	Survey	1		1	4	8	8		2		\$ 939.48			\$ 110,856.55	\$ 110,856.55
	<i>Subconsultant - Dennis J. Leavy & Associates, Inc.</i>														\$ 1,467.80
5.0	Geotechnical Engineering	1		1	4	4			2		\$ 495.88			\$ 6,610.00	\$ 6,610.00
	<i>Subconsultant - Tierra South Florida, Inc.</i>														
6.0	Design														
6.1	60-Percent Progress Drawings and EOPCC	10		25	40	60	70		1		\$ 8,584.15				\$ 25,409.08
6.2	90-Percent Progress Drawings and EOPCC	10		15	30	40	50		1		\$ 6,188.35				\$ 18,317.52
6.3	Bid Submittal	5		15	15	20	25		1		\$ 3,517.15				\$ 10,410.76
7.0	Permitting														
7.1	Permit Application Submittals	4		10	12	16			4		\$ 2,025.66				\$ 5,995.95
8.0	Bidding Phase Services														
		2		3		3	1		1		\$ 500.33				\$ 1,480.98
9.0	Project Management														
9.1	Contract Administration	28							12		\$ 2,716.84				\$ 8,041.85
9.2	QA/QC	12									\$ 1,009.56				\$ 2,988.30
9.3	Monthly Schedule Update	10									\$ 841.30				\$ 2,490.25
9.4	Project Design Review and Coordination Meetings (up to 5 total)	15		15	15						\$ 2,692.05				\$ 7,968.47
	Totals	115	0	154	134	199	160	0	26			0	0	\$ 141,466.55	\$ 251,461.24
	Labor Total Hours	115	0	154	134	199	160	0	26						
	Labor Hourly Billing Rates	\$ 84.13	\$ 70.68	\$ 54.39	\$ 40.95	\$ 33.34	\$ 38.78	\$ 33.18	\$ 30.10						
	Labor Raw Costs	\$ 9,674.95	\$ -	\$ 8,376.06	\$ 5,487.30	\$ 6,634.66	\$ 6,204.80	\$ -	\$ 782.60						
	Labor Multiplier	2.96	2.96	2.96	2.96	2.96	2.96	2.96	2.96						
	Labor SubTotal	\$ 28,637.85	\$ (0.01)	\$ 24,793.14	\$ 16,242.41	\$ 19,638.59	\$ 18,366.21	\$ -	\$ 2,316.50						\$ 109,994.69
	Labor Total														\$ 109,994.69
	Mileage/ODC														\$ 0.00
	Subconsultant Total														\$ 141,466.55
	Project Total														\$ 251,461.24

Underdog Utility Detection LLC.

3524 Lone Pine Road
Delray Beach FL 33445

Proposal

Proposal Date: 1/25/2022

Proposal #: 682

Project: Palmetto park FM...

Bill To:

Holtz Consulting
270 Central Blvd
Jupiter FL. 33458

Description	Est. Hours/Qty.	Rate	Total
<p>Locate and mark underground utilities utilizing Electromagnetic and Ground Penetrating Radar. 4Hr Min.</p> <p>Scope: locate for a new force main replacement project for Palm Beach County. Client will be replacing the force main along Palmetto Park (shown in yellow on provided aerial) from the exiting connection point on the northeast corner of Palmetto Park and Boca Falls Road east along Palmetto Park to the connection point at the southwest corner of Palmetto Park and Catskill. Client will need the intersections located at the connection points and all of Palmetto Park from ROW to ROW from the project start to the project end.</p>	120	200.00	24,000.00
Total			\$24,000.00

DENNIS J. LEAVY & ASSOCIATES, INC

Land Surveyors • Mappers

January 25, 2022

via Email: 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 – PALMETTO PARK ROAD FORCE MAIN REPLACEMENT PROJECT, UNINCORPORATED, PALM BEACH COUNTY, FLORIDA. (DJLA #22-009-001)

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 survey will depict the following information:
 - 1. Topography at major ground elevation changes to depict existing ground profile at proposed project area (right-of-way to right-of-way, approximately 200' wide, along Palmetto Park Road from the west side of the intersection of Boca Falls Drive, heading east to the east side of the intersection of Catskill Court, approximately 11,100 linear feet), 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 at 100 foot stations 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.

2. Provide a .pdf file digitally signed and sealed 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:.....\$ 110,856.55

It is the contractors/owners responsibility to review the scope of services proposed within this contract 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. DJLA 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.

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January 25, 2022

Palmetto Park Road Force Main Replacement Project (DJLA #22-009-001)

Page 3

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, Inc. 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 four (4) pages, represents the entire understanding between **Dennis J. Leavy & Associates, Inc.** 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

January 25, 2022

Palmetto Park Road Force Main Replacement Project (DJLA #22-009-001)

Page 4

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 – PALMETTO PARK ROAD FORCE MAIN REPLACEMENT PROJECT, UNINCORPORATED, PALM BEACH COUNTY, FLORIDA. (DJLA #22-009-001)

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 Palmetto Park Road Force Main Replacement Project
PBCWUD Project No.: 22-015
Consultant: Dennis J. Leavy & Associates, Inc.
DJLA Job #22-009-001

BUDGETSUMMARY

Labor Classification and Hourly Rates

	Senior Surveyor (PSM)	Staff P.S.M.	Three-Man crew	Survey Associate	CADD Tecnician
Raw	\$39.29	\$33.93	\$50.00	\$26.79	\$23.22
Multiplier	2.80	2.80	2.80	2.80	2.80
Burdened	\$110.01	\$95.00	\$140.00	\$75.01	\$65.01

Task Number	Task Description						Total Hours per Task	Total per Task	Sub-Consultant Services
1	Survey and Mapping	10.00	26.00	452.00	188.00	460.00	1136.00	\$110,856.55	\$0.00
2	Sub-Consultant	0.00	0.00	0.00	0.00	0.00	0.00	\$0.00	\$0.00
	Subtotal Task 1	10.00	26.00	452.00	188.00	460.00			
	Subtotal Task 2	0.00	0.00	0.00	0.00	0.00			
	Labor Subtotal Hours	10.00	26.00	452.00	188.00	460.00	1136.00		
	Labor Burdened Cost	\$1,100.10	\$2,470.00	\$63,280.00	\$14,101.88	\$29,904.60	\$110,856.55		
	Labor Total	\$110,856.55							
	Reproduction	\$0.00							
	Project Total	\$110,856.55							



January 27, 2021

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

RE: Proposal for Geotechnical Services
Palmetto Park Rd Utility
Boca Falls Drive to Catskill Road
Boca Raton, Florida
TSF Proposal No.: 2201-065

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 force main will be installed along the roadway section noted in Boca Raton, Florida. As requested, TSF will perform three (3) Standard Penetration Test (SPT) boring to a depth of 30 feet.

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 for force main construction, 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:

FIELD INVESTIGATION, LAB TESTING & COORDINATION	\$4,795.00
ENGINEERING AND TECHNICAL SERVICES	\$1,815.00
TRAFFIC CONTROL -MOT	\$0.00
	\$6,610.00

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.

It is anticipated that borings will be located on the shoulders, and Maintenance of Traffic (MOT) will not be required.

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.

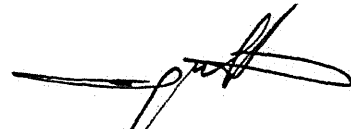
We at TSF appreciate the opportunity to submit this proposal and look forward to working with you on this project. If you should have any questions concerning our proposal, please contact our office.

Respectfully submitted,

TIERRA SOUTH FLORIDA, INC.



Harmon C. Bennett, P.E.
Principal Engineer



Raj Krishnasamy, P.E.
President

Attachments:

Fee Estimate

Site Location Plan

TIERRA SOUTH FLORIDA, INC.

FIELD INVESTIGATION, LAB TESTING & COORDINATION					
	Unit	# of Units	Unit Price		Total
FIELD INVESTIGATION					
Mobilization of drilling equipment to project (Min. charge)					
VI. 8. 1. Truck-Mounted Equipment (50-mile travel) (VI. 8. 1)	Trip	1	\$	350.00	\$ 350.00
VI. 3. 1. Standard Penetration Test Borings - Truck Rig (0 - 50 ft depth	L.F.	90	\$	13.00	\$ 1,170.00
VI. 4. 1. GroutSeal Boreholes 0 - 50 ft depth (VI. 4. 1.)	L.F.	90	\$	6.00	\$ 540.00
VI. 5. 1. Casing Allowance 0 - 50 ft depth	L.F.	90	\$	7.00	\$ 630.00
					2,690.00
LABORATORY TESTING					
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	3	\$	190.00	\$ 570.00
I. 10. Natural Moisture Content Tests	Test	3	\$	20.00	\$ 60.00
III. 1. A. Grain size determinationn - Full Grain Size (8 sieves)	Test	3	\$	75.00	\$ 225.00
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
					1,170.00
FIELD ENGINEERING AND TECHNICAL SERVICES					
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
ENGINEERING AND TECHNICAL SERVICES					
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
FEE FOR GEOTECHNICAL SERVICES-Mast Arms				\$	6,610.00



ATTACHMENT F

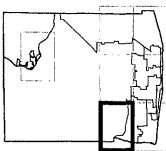
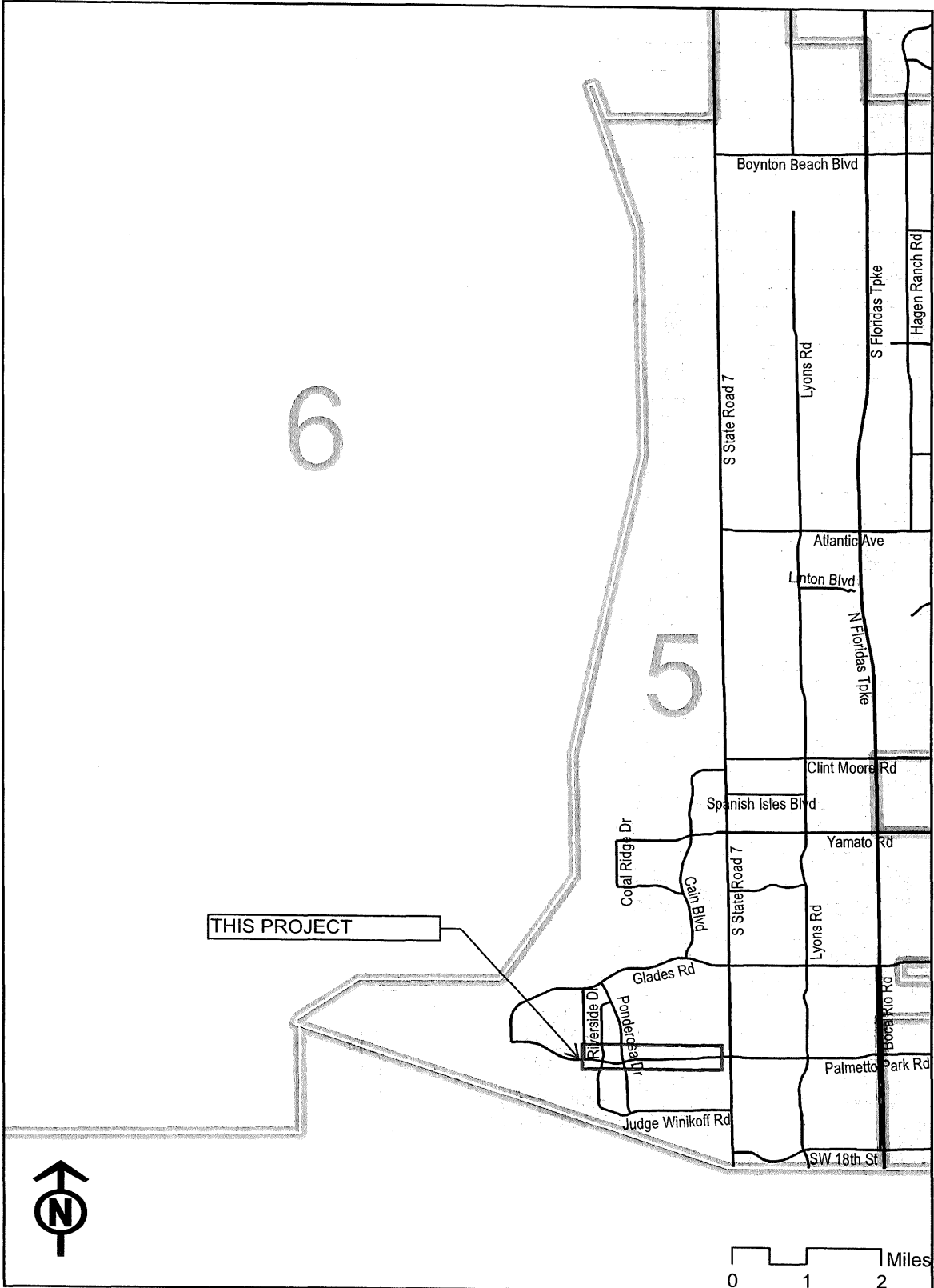
Palm Beach County Water Utilities Department
 Contract for Consulting/Professional Services
 Utility Distribution & Collection System Engineering Services
 Resolution No. R2020-1897 Contract Dated December 15, 2020

SUMMARY OF SBE-M/WBE BUSINESS TRACKING

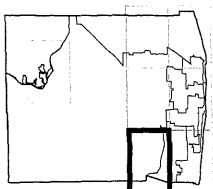
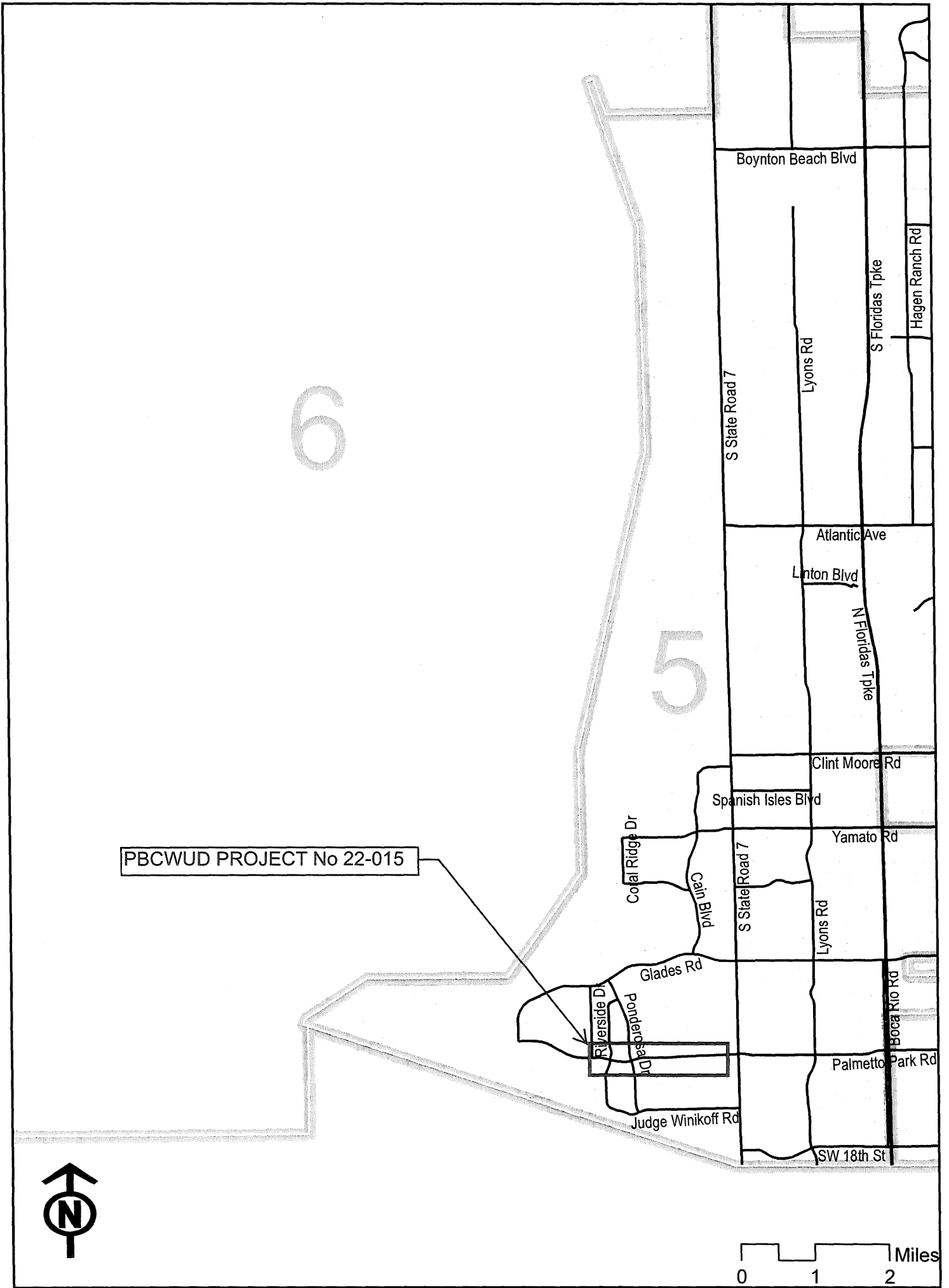
Master Contract Goals	SBE: <u>96.00%</u>	MBE: <u>90.00%</u>	MBE (H): <u>85.00%</u>	MBE (A): <u>5.00%</u>
Current Proposal				
Value of Authorization No. <u>7</u>	\$251,461.24			
Value of SBE-M/WBE Letters of Intent	\$220,851.24	\$109,994.69	\$109,994.69	\$0.00
Actual Percentage	87.82%	43.74%	43.74%	0.00%
Signed/Approved Authorizations				
Total Value of Authorizations	\$1,362,187.57			
Total Value of SBE-M/WBE Signed Subcontractors	\$1,155,063.77	\$1,039,088.77	\$1,000,348.92	\$38,739.85
Actual Percentage	84.79%	76.28%	73.43%	2.84%
Signed/Approved Authorizations Plus Current Proposal				
Total Value of Authorization	\$1,613,648.81			
Total Value of Subcontractors & Letters of Intent	\$1,375,915.01	\$1,149,083.46	\$1,110,343.61	\$38,739.85
Actual Percentage	85.26%	71.21%	68.80%	2.40%

Revised 12/06/2021

ATTACHMENT G
PROJECT LOCATION
CONSULTANT SERVICE AUTHORIZATION No. 7
HOLTZ CONSULTING ENGINEERS, INC.
PBCWUD PROJECT No. 22-015



ATTACHMENT 2
LOCATION MAP
AGENDA ITEM
PBCWUD PROJECT No. 22-015
CONSULTANT SERVICE AUTHORIZATION No. 7
HOLTZ CONSULTING ENGINEERS, INC.





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 11/30/2021

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.

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.

Table with PRODUCER (CAL Risk Management) and INSURED (Holtz Consulting Engineers, Inc.) information, including contact details for Suzanne Nelson and insurer information (Crum & Forster Specialty Ins, Auto-Owners Insurance Company, Travelers Casualty & Surety Company).

COVERAGES CERTIFICATE NUMBER: 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.

Main table listing insurance coverages (A, B, C) with columns for INSR LTR, TYPE OF INSURANCE, ADDL INSD, SUBR WVD, POLICY NUMBER, POLICY EFF, POLICY EXP, and LIMITS. Includes details for Commercial General Liability, Automobile Liability, and Professional/Pollution Liability.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) PBCWUD Project No. 19-082. The certificate holder is included as an additional insured for ongoing and completed operations for general liability per forms EN0111 & EN0320 and a designated insured on the auto when required by written contract.

Table with CERTIFICATE HOLDER (Palm Beach County Insurance Compliance) and CANCELLATION (Should any of the above described policies be cancelled before the expiration date thereof, notice will be delivered in accordance with the policy provisions.)