PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

February 11, 2025 Meeting Date:

Regular [] Consent [X] Public Hearing []

Department:	Water	Utilities	Department
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I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 5 to the Consulting/Professional Services Utility Hydrogeologic Engineering Services (Contract) with JLA Geosciences, Inc., (Consultant) for the Water Treatment Plant (WTP) No. 3 Wellfield Improvements (Project) for a not to exceed amount of \$1,585,643.36.

Summary: On December 5, 2023, the Board of County Commissioners (BCC) approved the Palm Beach County Water Utilities Department (PBCWUD) Contract (R2023-1782) with Consultant. CSA No. 5 provides for design of the rehabilitation of two (2) production wells (3W-15 and 3W-16), the reconstruction of seven (7) production wells (3W-18, 3W-20, 3W-29, 3W-30, 3W-31, 3W-32, and 3W-33), and the replacement of five (5) production wells (3W-4, 3W-7, 3W-8, 3W-9, and 3W-27). Three (3) of the production wells are vaulted wells (below grade) and will include mechanical and electrical improvements and be brought above grade (3W-8, 3W-9, and 3W-20).

This Contract was presented to the Goal Setting Committee (Committee) on April 5, 2023 and the Committee established an Affirmative Procurement Initiative (API) of a minimum mandatory 20% Small Business Enterprise (SBE) subcontracting goal and up to 15 Evaluation Preference Points for participation by certified Minority Business Enterprise (MBE), African American (AA) owned firms. Consultant committed to 89% SBE participation, which includes 1% MBE (AA) participation. The SBE proposed participation for this CSA 5 is 51.22%, which includes 7.60% MBE (AA). To date, the overall participation achieved on this Contract is 56.40% SBE participation, which includes 6.35% MBE (AA). Consultant is a Palm Beach County based company. The Project is included in the PBCWUD FY 2025 budget. (PBCWUD Project No. 24-031) District 5 (MWJ)

Background and Justification: The rehabilitation, reconstruction and replacement activities to be completed under this Project will result in conformance with the PBCWUD standard well design; thereby providing increased reliability as well as increased raw water capacity for WTP No. 3.

Attachments:

- Two (2) Originals of Consultant Services Authorization No. 5 1.
- 2. Location Map
- 3. Ebix Compliance Summary Report

Recommended By: <u>Au-13Mat</u> Department Director

Approved By:

Public Bl

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II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2024	2025	2026	2027	2028
Capital Expenditures Operating Costs External Revenues Program Income (County) In-Kind Match County	<u>\$1,585,644</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u> <u>0</u>			00000	
NET FISCAL IMPACT	<u>\$1,585,644</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.: F	und <u>4011</u> De	ept <u>721</u>	Unit <u>W004</u>	Object <u>6541</u>	
Is Item Included in Current	Budget?		Yes X	No	
Does this item include the ι	ise of federal fun	ds?	Yes	No X	
Is this item using State Fun	ds?		Yes	No <u>X</u>	

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.

MER **Department Fiscal Review:** C.

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments: Juna Marta 1/16/2025 OFMB OFM CONTRACT Development and Control Contract Development and Control 26 1.17.25

B. Legal Sufficiency:

25 Assistant County Attorney

C. Other Department Review:

Department Director

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

Project Title: WTP No. 3 Wellfield Improvements

PBCWUD Project No.: 24-031

Consultant: JLA Geosciences, Inc.

Address: 1907 Commerce Lane, Suite 104, Jupiter, Florida 33458

Budget Line Item No.: 4011-721-W004-6541

District No.: 5

This Consultant Services Authorization provides for: <u>Professional Services for the improvements</u> to surficial aquifer production wells located at Palm Beach County Water Utilities Department (PBCWUD) Water Treatment Plant (WTP) No. 3, located in Delray Beach, Florida. (See ATTACHMENT A for detailed scope of services)

The Contract provides for <u>89.00</u>% SBE participation, which includes <u>1.00</u>% MBE (B). This Consultant Services Authorization includes <u>51.22</u>% overall participation which includes <u>7.60</u>% MBE (B). The cumulative SBE participation, including this Consultant Services Authorization is <u>56.40</u>%, which includes <u>6.35</u>% MBE (B).

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 \$1,585,643.36
 - B. Fixed price of \$ 0.00
 - C. Total \$<u>1,585,643.36</u>
- 4. This Authorization may be terminated, in whole or in part, by the County with or without cause in accordance with the Contract terms. In the event of termination not the fault of the Consultant, the Consultant shall be compensated for all services performed to termination date, together with reimbursable expenses (if applicable) then due in accordance with the Contract terms. Consultant agrees to waive any and all claims for lost profits or anticipated future profits in the event of a termination with or without cause under this Contract.

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Project Title: WTP No. 3 Wellfield Improvements

PBCWUD Project No.: 24-031

- 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 <u>December 5, 2023</u> 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.

Project Title: WTP No. 3 Wellfield Improvements

PBCWUD Project No.: 24-031

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 Cou & Comptroller, Palm Beach County	rt Palm Beach Cour of County Commis	-
ATTEST:		
Signed: Typed Name: Deputy Clerk	Signed: Maria G. Maria G. Maria G. Maria G.	Marino, Mayor PTM
Approved as to Form and Legal Sufficiency Signed:	JLA Geosciences, (Consultant) 	
STATE OF FLORIDA COUNTY OF Palm Beach	<u>Principal</u> (Title) <u>1/8/2024</u> (Date)	
The foregoing instrument was acknowledged	before me by means of 🗌 physic	al presence or 🗆 online notarization,
this <u>8th</u> day of January , 2025 ,	_{by} James L. Andersen	who is 🛿 personally
known to me or ☑ has produced	Julia D. U	as identification. <i>Partoch</i> otary Public - State of Florida)
JULIA PAYLOCK Hotary Public - Sates of Florida Commission of HH 195666 My Camm. Expires Jan 23, 2026 (F	Julia I. Pavlock Print, Type, or Stamp Commiss	·····
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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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ATTACHMENT A

SCOPE OF SERVICES

PBCWUD Project No.: 24-031

Project Title: WTP No. 3 Wellfield Improvements

JLA Geosciences, Inc. (CONSULTANT) shall perform:

The CONSULTANT shall perform wellfield improvements at the following Water Treatment Plant (WTP) No. 3 wells:

WTP No. 3 Well	Anticipated Scope of Work*
3W-4	Well Replacement
3W-7	Weil Replacement
3W-8	Well Replacement
3W-9	Well Replacement
3W-15	Well Rehabilitation
3W-16	Well Rehabilitation
3W-18	Well Reconstruction
<u>3W-20</u>	Well Reconstruction
3W-27	Well Replacement
3W-29	Well Reconstruction
3W-30	Well Reconstruction
3W-31	Well Reconstruction
3W-32	Well Reconstruction
3W-33	Well Reconstruction

*Anticipated scope may be revised depending on results of preliminary investigations.

Task 1.0 Project Meetings and administrative assistance during design, permitting and bidding

- Task 1.1 Project Meetings and administrative assistance – The CONSULTANT shall prepare for and attend up to nine (9) project meetings with PBCWUD staff the following includina:
 - One (1) preliminary design meeting;
 - One (1) project kickoff meeting; .
 - One (1) combined preliminary technical memorandum review meeting for both . Phase 1 and 2 design;
 - Two (2) combined design meetings for both Phase 1 and 2 design;
 - Three (3) permitting meetings with PBCWUD and regulatory agencies;
 - One (1) combined prebid meeting for both Phase 1 and 2 design.

Meetings shall also be attended by SUB-CONSULTANTS (Kimley-Horn and Revised 06-12-24

Associates, Inc., and Hillers Electrical Engineering, Inc.).

Task 1.2 The CONSULTANT shall coordinate with SUB-CONSULTANTS, provide communications with PBCWUD, review and pay invoices for approved SUB-CONSULTANTS services.

Task 1.0 – Deliverables

- Meeting Agenda and Minutes above outlined meetings.
- Permitting regulatory meeting agenda and minutes for up to three (3) meetings.

Task 1.0 – Assumptions

• Bid related meetings, agenda and minutes as required, will be conducted by the PBCWUD. CONSULTANT will assist as needed.

Task 2.0 Preliminary Field Investigations and Review of Historical Data

- Task 2.1Review of historical data, record drawings, well construction data The
CONSULTANT shall review PBCWUD provided historical well construction
information including well videos, well construction reports, PBCWUD standard
engineering details, and record drawings prior to preparing design specifications.
- Task 2.2 **Tree Disposition Plans** The CONSULTANT shall also conduct site visits, review survey information and provide recommendations for construction area and final site plan for the well sites. Recommendations will include a plan for each site that indicates existing tree locations keyed to a chart that describes species, height, diameter at breast height (DBH), and canopy spread, and tabulates the trees that are to remain, to be removed, and/or to be relocated. The CONSULTANT will provide notes and details to support the trees' disposition, and in accordance with code requirements, as well as mitigation calculations to be incorporated into the design documents.
- Task 2.3 **Topographic Survey** The CONSULTANT shall provide a topographical survey for up to twenty (20) well locations with a 150 foot radius from the wellhead of each selected well site. The survey shall include the following: location of visible fixed improvements within the proposed project limits/right-of-way, including physical objects, drainage swales, native trees, signs, fences, power poles; location of above ground existing utilities; elevations obtained to indicate existing grades; location of PBCWUD located underground utilities – pipes, valves, etc.; and reference benchmarks. All surveyed sites shall also include the location of all trees 2-inch DBH or larger, species, DBH, approximate height, and canopy spread.
 - Wells to be surveyed include: 3W-4, 3W-7, 3W-8, 3W-9, 3W-15, 3W-16, 3W-18, 3W-20, 3W-27, 3W-29, 3W-30, 3W-31, 3W-32, 3W-33.
- Task 2.4
 Utilities Locates (Soft Digs) The CONSULTANT shall perform up to 20 subsurface utility locating by air/vacuum test holes (4 test holes at 5 relocated well sites). Exact test hole sites will be determined during the preliminary investigations
- Task 2.5 **Ground Penetrating Radar (GPR) Services** The CONSULTANT shall provide professional services to locate and mark out any detectable subsurface anomalies at each of the fourteen well locations.
- Task 2.6 Sound Investigation -- The CONSULTANT shall perform a noise study of wells 3W-4, 3W-29, 3W-30, 3W-31, 3W-32 & 3W-33. The CONSULTANT will conduct a site visit to each Well of the six (6) wells. The CONSULTANT will assess site conditions using a decibel reader, mechanical stethoscope and manual leak detector. A total of six (6) site visits are anticipated due to the need for coordination and scheduling of

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the site visits to coincide the availability of the neighboring homeowners. The CONSULTANT will summarize the findings from the site visit with a field report. The CONSULTANT will summarize the findings of the noise assessments in a stand alone technical memorandum.

- Task 2.7Underground Piping Assessment (3W-8, 3W-9) The CONSULTANT shall review
record drawings for Wells 3W-8 and 3W-9. It is understood that these wells are
currently configured to provide raw water blending to WTP 3. PBCWUD staff desire
to evaluate the improvements necessary to transition these wells as production wells.
The CONSULTANT will determine the necessary piping improvements for converting
Wells 3W-8 and 3W-9 to production Wells.
- Task 2.8 **Geotechnical Test Well Investigation** The CONSULTANT shall provide subsurface geotechnical borings at four (4) well locations for the purpose of preliminary well design. Test wells shall be located within 30 feet from existing production wells 3W-4, 3W-7, and 3W-27. One (1) test well shall be located between wells 3W-8 and 3W-9. Geotechnical investigations shall include: construction of up to four (4) 6-inch diameter boreholes to a maximum depth of 180 feet below land surface, including geophysical logging, collection of lithologic and water quality samples with depth, relative specific capacity data with depth, well boring abandonment and site restoration.
- Task 2.9 Well Siting The CONSULTANT shall provide assistance with identifying the locations of the easements for five (5) wells to be replaced. The CONSULTANT shall review flood maps (FIRM) and flood control elevations within the wells being modified to determine 100-yr flood elevations for each wellsite and adjust pad and/or wellhead flange and piping to accommodate vertical separation required by Florida Administrative Code (F.A.C.) 62-532 Water Well Permitting and Construction Requirements. The CONSULTANT shall review publicly available records to determine that the proposed well locations meet F.A.C. 62-532 setback distances. Additional well siting will be required for Well 3W-7 due to the need for the well to potentially be relocated outside of its existing easement to avoid conflicts with the overhead utility lines. This subtask will also include the evaluation for installation of permanent stormwater discharge locations at Wells 3W-7, 3W-20, and 3W-27.
- Task 2.10 **HOA Coordination** Currently some of the wells are within Homeowners' association (HOA) maintenance boundaries. The CONSULTANT shall coordinate, through PBCWUD with up to six (6) HOA Boards for a review of the proposed well rehabilitation/ reconstruction/ replacement. The intent of these reviews is to receive feedback on the proposed well and landscape impacts. The CONSULTANT will coordinate through PBCWUD with each of the six (6) HOA boards by sending plans and facilitating up to two (2) virtual review calls with the respective HOA board members. The first review call shall happen after completion of the 60% design plans listed in Tasks 3 and 4 below. The second review call shall happen after completion of the 90% design plans listed in Tasks 3 and 4. The CONSULTANT shall coordinate the HOA's comments with PBCWUD and incorporate the desired solutions into the 90% and final design plans. If any HOA board requests more than the two (2) meetings outlined above or further coordination causing significant revisions to the project drawings, additional services will be required.
- Task 2.11 **Electrical and Communication Assessment** The CONSULTANT shall provide an electrical power study to four (4) existing wells (3W-4, 3W-7, 3W-8, and 3W-9) which will have increased motor horsepower. The CONSULTANT shall study the existing master radio system and up to five (5) remote well radios and antenna systems which have communication issues.
- Task 2.12
 Preliminary Investigation, Cost Estimate and Phase Recommendation

 Technical Memorandum
 The CONSULTANT shall provide a brief technical

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memorandum for each well outlined in the project, summarizing results of preliminary investigations under task 2.0 with the exception of task 2.6 (noise investigation) which will be provided as a standalone document. The CONSULTANT shall prepare an Opinion of Probable Construction Cost (OPCC) of anticipated construction costs adequate for a budgetary estimate (Class 5) in accordance with American Association of Cost Engineering (AACE). These recommendations will be used to determine phasing of outlined wells into two (2) design packages for PBCWUD Contractor bidding. This scope will also include a preliminary construction schedule for each phase. Comments from PBCWUD regarding recommendations for phasing shall be integrated into the project design documents.

Task 2.0 – Deliverables

- Provide electronic signed and sealed registered land surveyor survey and drawing at 1" = 20' scale with information compatible with AutoCAD.
- Provide one (1), final, preliminary investigation technical memorandum for each well listed above in electronic format (Portable Document File (PDF)).
- Provide one (1), final, cost estimate and recommendation technical memorandum in electronic format (PDF).
- Provide a preliminary construction schedule for each phase in electronic format (PDF).

Task 2.0 – Assumptions

- PBCWUD shall provide all available historical data and PBCWUD standard engineering details to the CONSULANT. A copy of available record drawings, in CAD format, depicting the layout construction and details of the existing wellfield, will be furnished by the PBCWUD for the CONSULANT'S use in preparing the design documents.
- The CONSULTANT shall provide easement assistance as stated in section 2.9; however, this contract scope of work does not include assistance with property or easement acquisition, including boundary surveys, Ownership and Encumbrances (O&E) Investigations, appraisals, or land negotiations.
- Following completion of Task 2.0 services, additional changes to the project design scope of service shall not be added by PBCWUD without approved change order.
- PBCWUD comments on the technical memorandum (Task 2.12) will be incorporated in the design phase of the project. Revisions of the technical memorandum are not included.
- Scheduling, meeting agendas and minutes with HOAs shall be prepared by PBCWUD. The CONSULTANT shall prepare exhibits for HOA review during HOA coordination meetings.
- All permit application fees shall be paid for by the PBCWUD.

Task 3.0 PHASE 1: Design Phase Services

 Task 3.1
 Phase 1: 60% Design Specifications, Project Drawings and Opinion of Probable

 Cost – The CONSULTANT shall prepare and submit to the PBCWUD 60% design phase specifications and drawings. This task shall include 60% technical specifications, 60% electrical and mechanical project drawings, well construction specifications, electrical and instrumentation, wellhead, pump selection and pump, wellhead piping, valves, smart wellfield instrumentation, raw water main connections, Revised 06-12-24

well pad and appurtenances. The CONSULTANT shall also prepare an OPCC of construction cost estimates adequate for a budgetary estimate (Class 4) in accordance with AACE. The construction cost will also include cost estimates for goal setting purposes. The PBCWUD shall review the 60% specifications and provide comments in electronic format. The CONSULTANT shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the 90% design.

The CONSULTANT shall prepare and submit to PBCWUD 60% landscape plans. This task shall include 60% planting plans for each well and will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required. A note will be added to each landscape plan delineating the type of irrigation source to be used for each well. Irrigation source options include existing system, proposed well and pump or meter, or hand watering notes.

Task 3.2Phase 1: 90% Design Specifications, Project Drawings and Opinion of Probable
Cost - Following completion of PBCWUD review 60% design work, the
CONSULTANT shall prepare and submit to the PBCWUD 90% design phase
specifications and drawings. This task shall include 90% technical specifications
including front-end specifications, 90% electrical and mechanical project drawings,
well construction specifications, electrical and instrumentation, wellhead, pump,
wellhead piping, valves, smart wellfield instrumentation, raw water main connections,
well pad and appurtenances. The CONSULTANT shall also prepare an OPCC of
construction cost estimate (Class 3) in accordance with AACE. The PBCWUD shall
review the 90% specifications and provide comments in PBCWUD excel format. The
CONSULTANT shall review and respond to the PBCWUD comments and utilize the
agreed upon changes for the 100% design.

The CONSULTANT shall prepare and submit to PBCWUD 90% landscape plans. This task shall include 90% planting plans for each well and will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required. Depending on the source listed and the scope of work for each well, 90% Irrigation Plans will delineate irrigation equipment, quantities, piping layout, specifications, and project-specific irrigation details as required.

Task 3.3Phase 1: 100% Design Specifications, Project Drawings - Following completion
of PBCWUD review 90% design work, the CONSULTANT shall prepare and submit
to the PBCWUD 100% design phase specifications and drawings. This task shall
include 100% technical specifications including front-end specifications, 100%
electrical and mechanical project drawings, OPCC, and cost estimate (Class 3) for
goal setting. The PBCWUD shall review the 90% specifications and provide
comments in electronic format. The CONSULTANT shall review and respond to the
PBCWUD comments and utilize the agreed upon changes for the conformed design
(bid set).

The CONSULTANT shall prepare and submit to PBCWUD landscape and irrigation plans. This task shall include final planting plans for each well and will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required. Depending on the source listed and the scope of work for each well, final irrigation plans will delineate irrigation equipment, quantities, piping layout, specifications, and project-specific irrigation details as required.

Task 3.0 – Deliverables

- 60% Design Specifications, OPCC, and Project Drawings in electronic format (PDF).
- 90% Design Specifications, OPCC, and Project Drawings in electronic format (PDF).

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 100% Design Specifications, and Project Drawings – Digitally signed and sealed in electronic format (PDF).

Task 3.0 – Assumptions

- All Design Phase Deliverables shall be submitted to the PBCWUD Project Manager.
- Following PBCWUD review, requested changes to specific design phase specifications shall be implemented during the subsequent design phase.
- Electronic files exchanged between the PBCWUD and the CONSULTANT will be in a format compatible with MS Office, Adobe Acrobat, and AutoCAD.
- The CONSULTANT has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs are based on the information known to consultant at this time and represent only the CONSULTANT 's judgment as a design professional familiar with the construction industry. The consultant cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Task 4.0 PHASE 2: Design Phase Services

Task 4.1Phase 2: 60% Design Specifications, Project Drawings and Opinion of Probable
Cost - The CONSULTANT shall prepare and submit to the PBCWUD 60% design
phase specifications and drawings. This task shall include 60% technical
specifications, 60% electrical and mechanical project drawings, well construction
specifications, electrical and instrumentation, wellhead, pump selection and pump,
wellhead piping, valves, smart wellfield instrumentation, raw water main connections,
well pad and appurtenances. The CONSULTANT shall also prepare an OPCC of
construction cost estimates adequate for a budgetary estimate (Class 4) in
accordance with AACE. The construction cost will also include cost estimates for
goal setting purposes. The PBCWUD shall review the 60% specifications and provide
comments in electronic format. The CONSULTANT shall review and respond to the
PBCWUD comments and utilize the agreed upon changes for the 90% design.

The CONSULTANT shall prepare and submit to PBCWUD 60% landscape plans. This task shall include 60% planting plans for each well and will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required. A note will be added to each landscape plan delineating the type of irrigation source to be used for each well. Irrigation source options include existing system, proposed well and pump or meter, or hand watering notes.

Task 4.2 Phase 2: 90% Design Specifications, Project Drawings and Opinion of Probable Cost - Following completion of PBCWUD review 60% design work, the CONSULTANT shall prepare and submit to the PBCWUD 90% design phase specifications and drawings. This task shall include 90% technical specifications including front-end specifications, 90% electrical and mechanical project drawings, well construction specifications, electrical and instrumentation, wellhead, pump, wellhead piping, valves, smart wellfield instrumentation, raw water main connections, well pad and appurtenances. The CONSULTANT shall also prepare an OPCC of construction cost estimate (Class 3) in accordance with AACE. The PBCWUD shall review the 90% specifications and provide comments in PBCWUD excel format. The CONSULTANT shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the 100% design.

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The CONSULTANT shall prepare and submit to PBCWUD 90% landscape plans. This task shall include 90% planting plans for each well and will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required. Depending on the source listed and the scope of work for each well, 90% Irrigation Plans will delineate irrigation equipment, quantities, piping layout, specifications, and project-specific irrigation details as required.

Task 4.3

Phase 2: 100% Design Specifications, Project Drawings - Following completion of PBCWUD review 90% design work, the CONSULTANT shall prepare and submit to the PBCWUD 100% design phase specifications and drawings. This task shall include 100% technical specifications including front-end specifications, 100% electrical and mechanical project drawings, OPCC, and cost estimate (Class 3) for goal setting. The PBCWUD shall review the 90% specifications and provide comments in electronic format. The CONSULTANT shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the conformed design (bid set).

The CONSULTANT shall prepare and submit to PBCWUD landscape and irrigation plans. This task shall include final planting plans for each well and will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required. Depending on the source listed and the scope of work for each well, final irrigation plans will delineate irrigation equipment, quantities, piping layout, specifications, and project-specific irrigation details as required.

Task 4.0 – Deliverables

- 60% Design Specifications, OPCC, and Project Drawings in electronic format (PDF).
- 90% Design Specifications, OPCC, and Project Drawings in electronic format (PDF).
- 100% Design Specifications, OPCC, and Project Drawings digitally signed and sealed in electronic format (PDF).

Task 4.0 – Assumptions

- All Design Phase Deliverables shall be submitted to the PBCWUD Project Manager.
- Following PBCWUD review, requested changes to specific design phase specifications shall be implemented during the subsequent design phase.
- Electronic files exchanged between the PBCWUD and the CONSULTANT will be in a format compatible with MS Office, Adobe Acrobat, and AutoCAD.
- The CONSULTANT has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs are based on the information known to CONSULTANT at this time and represent only the CONSULTANT's judgment as a design professional familiar with the construction industry. The consultant cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Task 5.0 PHASE 1 & 2: Permitting Assistance

Task 5.1 **Permitting Assistance** - The CONSULTANT shall prepare documents and permit applications (FAC 62-555.900(1) for each individual well and submit to PBCHD (Palm

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Beach County Health Department). The CONSULTANT shall respond to up to two (2) reasonable requests for additional information from PBCHD. CONSULTANT shall communicate with Lake Worth Drainage District (LWDD) to coordinate discharge of development water. The CONSULTANT shall provide information for the PBCWUD in the development of Land Development permits for discharge to storm drainage where applicable. The CONSULTANT shall prepare one letter modification of the PBCWUD Water Use Permit (No. 50-00135-W) to address the relocation and proposed construction details of relocated wells in Phase 1 and 2. The CONSULTANT shall provide the PBCWUD with exhibits and information needed to assist the PBCWUD in acquiring Palm Beach County (PBC) Traffic right-of-way (ROW) permitting.

Task 5.0 – Deliverables

- PBCHD permits: 2 signed and sealed full sized sets grouped by Water Treatment Plant to be submitted by the CONSULTANT.
- Letter modification of SFWMD permit No. 50-00135-W of relocated wells including updated Table A in electronic formation (PDF).
- PBCWUD: Five (5) sets of signed and sealed full size drawings (24" by 36") and one (1) set of half size drawing.

Task 5.0 – Assumptions

- All permit application fees shall be paid for by PBCWUD.
- PBCERM coordination is assumed to take place during building permit review. If Consultant assistance is required for PBCERM coordination, additional services will be required.

Task 6.0 PHASE 1 & 2: Bidding Assistance

Task 6.1Bidding Assistance - The CONSULTANT shall prepare conformed bid set documents
for Phase 1 and 2 and shall assist the PBCWUD with the bidding of the construction
contract for the project. The CONSULTANT shall attend one (1) pre bid meeting. The
CONSULTANT shall review submitted contractor bids and prepare a written
assessment of bid values to the PBCWUD. Consultant will also provide up to two (2)
rounds of landscape and irrigation addenda questions per design phase.

Task 6.0 – Deliverables

- Digitally signed and sealed conformed Specifications and Project Drawings for each design package.
- Review and provide responses for up to two (2) Requests for Information requests from Bidders for each design package.
- Bid Assessment Recommendation letter in electronic format (PDF).

Task 6.0 – Assumptions

• Electronic files exchanged between the PBCWUD and the CONSULTANT will be in a format compatible with MS Office, Adobe Acrobat, and AutoCAD.

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Revised 06-12-24

ATTACHMENT B

Project SBE Total SBE Approved PBCWUD Project No. Title Auth, No. Status Total Amount Amount Participation % By Date 1 23-037 WTP No. 11 - Well PW-5 Modifications \$88,631,53 Approved \$55,143.52 62.21% CRC 9/11/2024 2 24-020 Monitoring Well Installation Approved \$58,299.00 \$58,299.00 100.00% CRC 8/14/2024 3 24-026 Hydrogeologic General Engineering Services \$96,600.00 9/11/2024 Approved \$96,600.00 100.00% CRC 4 23-010 Wellfield Testing Approved \$114,833.98 \$114,833.98 100.00% CRC 12/18/2024 5 24-031 WTP No. 3 Wellfield Improvements Pending \$1,585,643.36 \$812,219.36 51.22% BCC Pending 6 22-040 Mechanical Integrity Testing \$28,400.00 Approved \$28,400.00 100.00% 11/14/2024 Director 7 23-011 Pump and Motor Evaluation Update Pending \$51,792.00 \$6,540.00 12.62% CRC Pending

SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

ATTACHMENT C
OEBO SCHEDULE 1
Office of Equal Business Opportunity Compliance Programs
Revised 06-12

OEBO SCHEDULE 1

SOLICITATION/PROJECT/BID NAME: WTP No. 3 Wellfield Improvements	SOLIC	ITATION/PR	OJECT/BI	D NO.:	4-031		
	Water Utilities Department						
Section A PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO		ED BY THE <u>P</u>				<u>TANT*</u> ON THE PROJECT: Suite 104, Jupiter Florida 33458	
NAME OF PRIME RESPONDENT/BIDDER:		ADDRE					
CONTACT PERSON:	PHONE NO.:	561 746	6-0228	E	JAI - MAIL:	NDERSEN@JLAGEOSCIENCES.COM	
\$342,056.00 PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: *SMWBE Prime's must include their percentage or dollar amount in the Total Participation line und	the second s	Non-SBE	MBE	WBE	SBE		

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT BELOW:

- •	(Check all Applicable Categories)						DOLLAR AMOUNT OR PERCENTAGE OF WORK				
Subcont	ractor/Sub consultant Name	<u>Non-SBE</u>	<u>MBE</u> Minority Business	<u>WBE</u> Women Business	<u>SBE</u> Smali Business	Black	Hispanic	Women	Caucasian	Asian	Other
1. Brown	n & Phillips, Inc.		\checkmark			\$64,930.20					
_{2.} Barne	es Ferland & Associates, Inc		✓	Yeard Tobu	\checkmark	\$22,763.04			<u> </u>		•
3. Cente	erline Drilling, Inc	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	22.56.7244	a revealed and the second s	\checkmark				\$112,200.00		
4. Lee L	ogging LLC		4 		1 March 1						\$7,800.00
_{5,} Engin	eered Design Services LLC		\checkmark	AAAAAAAA	\checkmark	\$32,852.16					
(Please use a	additional sheets if necessary)	·			Total	\$120,545.40	\$237,417.96	\$0.00	\$454,256.00	\$0.00	\$773,424.00
otal Bid/Offe	er Price \$ \$1,585,643.36	_				Tota		WBE Participation \$	\$812,21	9.36	-
hereby certi	ify that the above information is accurate to the best	of my knowle	_{lge:} Jan	nes L.	Anders	sen	Dank	\sim	Pn	esident, JLA (Geosciences, In
						orized Signature	U VI		·····		Title
	The amount listed on this form for a Subcontractor/s Only those firms certified by Palm Beach County at the applicable box and list the dollar amount or percents	e time of solic	itation due d	late are eligi	ble to meet th				• • •		
3.	Modification of this form is not permitted and will be										
4.	If a Mandatory API goal applies, failure to submit a p	roperly execut	ed Schedule	2 will result	in a determin	ation of non-respo					
	REVISED 09/26/2024						•	experienced or v or would like to f			

OEBO SCHEDULE 1

SOLICITATION/PROJECT/BID NAME: WTP No. 3 Wellfield Improvements	SOLICITATION/PROJECT/BID NO.: 24-031					
	Water Utilities Department					
Section A PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO	D BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT* ON THE PROJECT:					
NAME OF PRIME RESPONDENT/BIDDER:	1907 Commerce Lane, Suite 104, Jupiter Florida 33458 ADDRESS:					
CONTACT PERSON: James L. Andersen, P.G.	PHONE NO.:561 746-0228JANDERSEN@JLAGEOSCIENCES.COM					
\$342,056.00 PRIME'S DOLLAR AMOUNT OR PERCENTAGE OF WORK: *SMWBE Prime's must include their percentage or dollar amount in the Total Participation line under the second						

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY <u>ALL SUBCONTRACTORS/SUBCONSULTANTS</u> ON THE PROJECT BELOW:

(Check all Applicable Categories)						DOLLAR AMOUNT OR PERCENTAGE OF WORK				<u>к</u>
Subcontractor/Sub consultant Name	<u>Non-SBE</u>	<u>MBE</u> Minority Business	<u>WBE</u> Women Business	<u>SBE</u> Smali Business	Black	Hispanic	Women	Caucasian	Asian	Other
$_{1}$ Hillers Electrical Engineering, Inc.		\checkmark				\$237,417.96				
2. Kimley-Horn and Associates Inc.		97-107 V 12	Sector Marca							\$736,224.00
3. WrightPSM LLC				and the second sec						\$29,400.00
4.	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y									
5.				a a constant a constan				**********		
(Please use additional sheets if necessary)				Total	\$120,545.40	\$237,417.96	\$0.00	\$454,256.00	\$0.00	\$773,424.0
otal Bid/Offer Price \$_\$1,585,643.36					Totş	Certified S/MIV	VBE Participation \$	\$812,21	9.36	
hereby certify that the above information is accurate to the be	st of my knowle	_{dge:} Jan	nes L.	Anders	en	Dinkh	\sim	Pro	esident, JLA C	Geosciences, In
					orized Signature					Title
Note: 1. The amount listed on this form for a Subcontractor/sub consultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal. 2. Only those firms certified by Palm Beach County at the time of solicitation due date are eligible to meet the established OEBO Affirmative Procurement Initiative (API). Please check the applicable box and list the dollar amount or percentage under the appropriate demographic category.										
3. Modification of this form is not permitted and will	-	., .	• •	~ .						
4. If a Mandatory API goal applies, failure to submit a	properly execut	ed Schedule	2 will result	in a determin	ation of non-respo					
REVISED 09/26/2024						•	experienced or v or would like to f			

ATTACHMENT C

OEBO SCHEDULE 2

Office of Equal Business Opportunity Compliance Programs

Revised 06-12-24

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. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMB	_{ER:} WUD 24-031			
SOLICITATION/PROJECT NAME		provements		
Prime Contractor: JLA Geo (Check box(s) that apply)	osciences, Inc.	Subcontrac	tor:	
	M/WBE □Non-S/M/WBE	Date of Palm Beach	County Certification (if appli	cable): 4/10/23-4/9/26
The undersigned affirms they a <u>Column 1</u>	re the following (select one fro <u>Column 2</u>			<u>Column 3</u>
🗹 Male 🗀 Female	☐ African-American/Black ☐ Hispanic American	□Asian American □Native American	🗹 Caucasian American	
S/M/WBE PARTICIPATION S/M/	WBE Primes must document all w	vork to be performed h	w their own work force on this	form Specify in detail

<u>nis form.</u> the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Hydrogeologic Consulting	\$1,585,643,36	1		\$1,585,643.36
	Commodity Codes: 91843, 91855, 92683, 96143, 96892				

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: \$342,056.00

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.

Brown & Phillipe, Inc.; Barnes Perland & Associates, Inc; Centerline Drilling, Inc; Lee Logging LLC; Engineered Design Services LLC; Hillers Electrical Engineering, Inc.; Kimley-Horn and Associates Inc.; WrightPSM LLC

\$64,930,20; \$22,763.04; \$112,200.00; \$7,800.00; Price or Percentage:

Name of 2nd/3rd tier Subcontractor/subconsultant

JLA Geosciences, Inc.	JLA Geosciences, Inc.
Print Name of Prime	Print Name of Subcontractor/subconsul
ву:	ву:МММ
Authorized Signature	Authorized Signatur
James L. Andersen	James L. Andersen
Print Name	Print Name
President	President
Title	Title
Date: 12/31/2024	Date: 12/31/2024

Print Name of Subcontractor/subconsultant
ву:
Authorized Signature
James L. Andersen
Print Name
President
Title
_{Date:} 12/31/2024

you have experienced or witnessed a violation of the EBO Ordinance or would like to file a complaint, please scan the QR Code

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. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: WUD 24-031

SOLICITATION/PROJECT NAME:	WTP No.	3 Wellfield	Improvements
----------------------------	---------	-------------	--------------

Prime Contractor: JLA Geosciences, Inc.			Geosciences, Inc.	Subcontractor: Kimley-Horn and Associates Inc.
(Check	box(s) th	at appl <u>y</u>)		
□SBE	□wbe		□ M/WBE ⊡Non-S/M/WBE	Date of Palm Beach County Certification (if applicable):
The un	dersigned	affirms th	ey are the following (select one f	rom each column if applicable):
Colum	n 1		Column 2	Column 3

☑ Male □ Female □ African-American/Black □ Asian American □ Caucasian American □ Supplier □ Hispanic American □ Native American

S/M/WBE PARTICIPATION - S/M/WBE Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Engineering Consulting	\$736,224.00	1		\$736,224.00
	Commodity Codes: 92597, 92567, 92517			· · · · · · · · · · · · · · · · · · ·	

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: \$736,224.00

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.

N/A

Date:

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: N/A

JLA Geosciences, Inc. Print Name of Prin By: ed Signature Aøj Andersen James Print Name President Title

If you have experienced or witnessed a violation of the EBO Ordinance or would like to file a complaint, please scan the QR Code

1/2/2025

Kimley-Horn and Associates Inc. Print Name of Subcontractor/subconsultant

Bv: Authorized Signature

Jason Lee, P.E

Print Name

Vice President

Title

Date: 1/2/2025

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. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

.

SOLICITATION/PROJEC	TNUMBER: WUD 24-031		
SOLICITATION/PROJEC	T NAME: WTP No. 3 Wellfield I	mprovements	
Prime Contractor:	A Geosciences, Inc.	Subcontractor: Hillers Electrica	Engineering, Inc.
(Check box(s) that app	ily)		··· ··································
⊠SBE □WBE ☑N	IBE □M/WBE □Non-S/M/WBE	Date of Palm Beach County Certification (if ap	10/17/24-10/16/27 plicable):
The undersigned affirn	ns they are the following (select one f	rom each column if applicable):	
<u>Column 1</u>	Column 2		<u>Column 3</u>
⊠Male □Female	African-American/Blac	ck □Asian American □ Caucasian American □Native American	Supplier
S/M/WBE PARTICIPATIO	<u>N – S/M/WBE Primes must document all</u>	work to be performed by their own work force on	this form. Specify in detail,

<u>Sympt were participation</u> — <u>Symptwise primes must document all work to be performed by their own work force on this form</u>. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Electrical Engineering Consulting	\$237,417.96	1		\$237,417.96
	Commodity Codes: 9253130, 92557, 95826, 96848, 92522				

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: \$237,417.96

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.

N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Authorized Signature

Price or Percentage: N/A

JLA Geosciences, Inc.

Ву:_____

James L. Andersen Print Name

Print Name of Prime

President

Date: 12/31/2024

Title

If you have experienced or witnessed a violation of the EBO Ordinance or would like to file a complaint, please scan the QR Code Hillers Electrical Engineering, Inc.

Print Name of Subcontractor/subconsultant
By:

Authorized Signature

Paul F. Hillers Print Name

President

Title

Date: 12/31/2024

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. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT	NUMBER: WUD 24-031			
	NAME: WTP No. 3 Wellfield I	mprovements		
	Geosciences, Inc.	Subcontra	_{ctor:} Engineered Des	ign Services LLC
(Check box(s) that apply	<u>x)</u>			
🖾 SBE 🗆 WBE 🖾 ME	BE IM/WBE INon-S/M/WBE	Date of Palm Beach	County Certification (if app	licable):
The undersigned affirms	s they are the following (select one f	rom each column if a	pplicable):	
Column 1	Column 2		· · · · · · · · · · · · · · · · · · ·	<u>Column 3</u>
🗹 Male 🗖 Female	🗹 African-American/Blac	ck □Asian American □Native American		□Supplier
S/M/WBE PARTICIPATION	– S/M/WBE Primes must document all	work to be performed	by their own work force on th	is form Crossify in detail

Symptop Participation – Symptop Primes must document all work to be performed by their own work force on this form. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Engineering Services	\$32,852.16	1		\$32,852.16
	Commodity Codes: 92588				

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$32,852.16

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.

N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: <u>N/A</u>

James L. Andersen

Date: 12/31/2024

Print Name

President

Title

If you have experienced or witnessed a violation of the EBO Ordinance or would like to file a complaint, please scan the QR Code Engineered Design Services LLC Print Name of Subcontractor/subconsultant

Bv: Authorized Signature

Craig McKenzie

Print Name

Manager

Title

Date: 12/31/2024

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SOLICIT	TATION/PI	ROJECT NU	JMBER: WUD 24-031				
SOLICIT	ration/pi	ROJECT NA	ME: WTP No. 3 Wellfield Ir	nprovements			
			Geosciences, Inc.	Subcontrac	tor: Centerline Dril	ling, Inc.	
	box(s) the					11/20/22 11/1	nne
RI285			□M/WBE □Non-S/M/WBE	Date of Palm Beach	County Certification (if app	licable):	9120
		affirms th	ey are the following (select one f	rom each column if a _l	oplicable):		
Colum	<u>n1</u>		<u>Column 2</u>			<u>Column 3</u>	
⊡Male	Femal	e	African-American/Blac	k □Asian American □Native American	Caucasian American	Supplier	

<u>S/M/WBE PARTICIPATION</u> – <u>S/M/WBE Primes must document all work to be performed by their own work force on this form</u>. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Well Services (Including Oil, Gas, and Water)	\$120,000.00	1		\$120,000.00
	Commodity Codes: 96296				
	· · · · · · · · · · · · · · · · · · ·				
	·····				

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: \$112,200.00

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.

Lee Logging LLC

Price or Percentage: \$7,800.00

By:

Title

Print Name of Subconte

<u>John Sẩy, Jr</u>

President

Date: 12/31/2024

Print Name

Centerline Drilling, Inc

Authorized S

Name of 2nd/3rd tier Subcontractor/subconsultant

JLA Geosciences, Inc. Print Name of Prime

ву:_____

Authorized Signature

James L. Andersen Print Name

President

Title

Date: 12/31/2024



If you have experienced or witnessed a violation of the EBO Ordinance or would like to file a complaint, please scan the QR Code

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. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: WUD 24-031

SOLICI	TATION/PI	ROJECT NA	ME: WTP No. 3 Wellfield I	mprovements		
Prime	Contracto	r: JLA (Geosciences, Inc.	Subcontra	_{ctor:} Lee Logging L	LC
(Check	box(s) th	at apply)				
SBE	🗆 WBE	□мве	□M/WBE ⊡Non-S/M/WBE	Date of Palm Beach	County Certification (if app	licable): N/A
		affirms th	ey are the following (select one f	rom each column if a	pplicable):	
Colum	<u>n 1</u>		<u>Column 2</u>			<u>Column 3</u>
⊡Male	E 🗆 Femal	e	African-American/Blac	k⊡Asian American □Native American		Supplier

<u>S/M/WBE PARTICIPATION</u> – <u>S/M/WBE Primes must document all work to be performed by their own work force on this form</u>. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Logging Services	\$7,800.00	1		\$7,800.00
	Commodity Codes: 94756				

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: \$7,800.00

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.

N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: _____

JLA Geosciences, Inc.

Ву:_____

Print Name of Prime

James L. Andersen Print Name

President Title

Date: 12/31/2024

If you have experienced or witnessed a violation of the EBO Ordinance or would like to file a complaint, please scan the QR Code

Authorized Signature

Lee	Logging	LLC	
Print Na	me of Subcontr	actor/subconsult	ant

By: Michon Authorized Signature

Nicholas Lee

Print Name

President

Date: 12/31/2024

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SOLICITATION/PROJECT NU	IMBER: WUD 24-031			
	ME: WTP No. 3 Wellfield I	mprovements		· · · · · · · · · · · · · · · · · · ·
Prime Contractor: JLA C	Geosciences, Inc.	Subcontra	_{ctor:} Brown & Phillip	os, Inc.
(Check box(s) that apply)				
☑SBE □WBE ☑MBE	□M/WBE □Non-S/M/WBE	Date of Palm Beach	County Certification (if appl	licable): 1/31/22-1/30/25
The undersigned affirms th	ey are the following (select one f	rom each column if a	oplicable).	
Column 1	<u>Column 2</u>			<u>Column 3</u>
☑Male □Female	☑ African-American/Blac □ Hispanic American	k □Asian American □Native American	Caucasian American	□Supplier
S/M/WBE PARTICIPATION -	5/M/WBE Primes must document all	work to be performed	by their own work force on th	is form. Specify in detail,
	rmed or items supplied with the dol			
	the service/product being supplied			
certified. A detailed quote/pro	oposal may be attached to a properly	executed Schedule 2 fo	r additional information.	

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Surveyor Services, Land	\$64,930.20	1	Anna	\$64,930.20
	Commodity Codes: 92586				······

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: \$64,930.20

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.

N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: <u>N/A</u>

ΠΛ	Good	science	a Ina
. II A	Laeos	science	s inc

Print Name of Prime By: _____

Authorized Signature

Print Name

President

Title

Date: 12/31/2024

If you have experienced or witnessed a violation of the EBO Ordinance or would like to file a complaint, please scan the QR Code Brown & Phillips, Inc. Print Name of Subcontractor/subconsultant By: John E. Phillips Authorized Signature

John ⊭. Phillips

Print Name

DP Title

Date: 12/31/2024

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. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER:	WUD 24-031			
SOLICITATION/PROJECT NAME: W	TP No. 3 Wellfield Im	provements		
Prime Contractor: JLA Geosc	ciences, Inc.	Subcontrac	tor: Barnes Ferland &	Associates, Inc.
(Check box(s) that apply)				
⊠SBE □WBE ☑MBE □M/V	WBE Non-S/M/WBE	Date of Palm Beach	County Certification (if appli	cable):8/7/23 - 8/6/26
The undersigned affirms they are t	he following (select one fro	om each column if ar	oplicable):	
Column 1	Column 2	•		<u>Column 3</u>
	☑ African-American/Black □ Hispanic American	: □Asian American □Native American	Caucasian American	□Supplier
CARDER DADTICIDATION COMMON				

<u>S/M/WBE PARTICIPATION</u> – <u>S/M/WBE Primes must document all work to be performed by their own work force on this form</u>. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Utility Locator Service (Underground)	\$22,763.04	1		\$22,763.04
	Commodity Codes: 96291			······	
	······································				
	······				

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: \$22,763.04

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.

N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: <u>N/A</u>

JLA Geosciences, Inc.

Ву:_____

Print Name of Prim

James L. Andersen

Print Name

President

Title

Date: 12/31/2024

If you have experienced or witnessed a violation of the EBO Ordinance or would like to file a complaint, please scan the QR Code Barnes Ferland & Associates, Inc.
Print Name of Subcontractor/subconsultant

Willie Mon Bv: Authorized Signature

Willie E. Thomas Print Name

President

Title

Date: 12/31/2024

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. All Subcontractors/subconsultants, including any tiered Subcontractors/ subconsultants, must properly execute this document. If a Mandatory API goal applies, failure to submit a properly executed Schedule 2 will result in a determination of non-responsiveness to the solicitation. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUI	MBER: WUD 24-031		
	ME: WTP No. 3 Wellfield I	mprovements	
Prime Contractor: JLA G	eosciences, Inc.	Subcontractor: WrightPSM LL	с
(Check box(s) that apply)			
□SBE □WBE □MBE	□M/WBE □Non-S/M/WBE	Date of Palm Beach County Certification (if appl	licable):_N/A
The undersigned affirms the <u>Column 1</u>	ey are the following (select one f <u>Column 2</u>	rom each column if applicable):	<u>Column 3</u>
🗹 Male 🗖 Female	□ African-American/Blac □ Hispanic American	k □Asian American	□Supplier
		work to be performed by their own work force on th	

the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. When applicable, identify the line item(s) associated with the service/product being supplied. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed quote/proposal may be attached to a properly executed Schedule 2 for additional information.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
	Surveyor Services, Land (ground penetrating radar)	\$29,400.00	1		\$29,400.00
	Commodity Codes: 92586				

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$29,400.00

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.

N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

N/A Price or Percentage: ____

JLA Geosciences, Inc.
Print Name of Prime
By:
Authorized Signature
James L. Andersen
Print Name
President
Title
Date: 12/31/2024

WrightPSM LLC					
Print Na	me of Subcontractor/	subconsultant			
By:	alle	Digitally signed by WILLIAM J WRIGHT Date: 2024.12.31 14:11:06 -05'00'			
	Authorize	d Signature			

William J. Wright

Print Name

President

Title

Date: 12/31/2024

Revised 09/26/2024



If you have experienced or witnessed a violation of the EBO Ordinance or would like to file a complaint, please scan the QR Code

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</u>	<u>Services</u>	<u>Completion Date from Notice to Proceed</u> (Calendar Days)
Task 1.0	Project Meetings and administrative as during design, permitting and bidding	sistance 480 days
Task 2.0	Preliminary Field Investigations and Re Historical Data	eview of 210 days
Task 3.0	PHASE 1: Design Phase Services	360 days
Task 4.0	PHASE 2: Design Phase Services	360 days
Task 5.0	PHASE 1 & 2: Permitting Assistance	420 days
Task 6.0	PHASE 1 & 2: Bidding Assistance	480 days

Revised 06-12-24

					ATTA	ATTACHMENT E	IT E									Γ
	Paim Beach County Water Utildes Department Contract for Consulting/Professional Services Utility Hydrogeologic Engineering Services Resolution No. <u>R2013-1782</u> Consultant Services Almorization No.: <u>5</u> Constrant Dated <u>December 5, 2023</u> Consultant Services Inc. Project The: <u>WT2 No. 3 Welfield Inprovements</u>	d Hydrog	fract Dated	Interling S Decent	ervices ber 5, 2023											
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1-	1.0 Project Methyga and soministrative assistance during design, permitting and bidding													Sevitas	8	
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	Subconteactor - Kirniay-Hom and Association, Inc. Subconteactor - Englisheered Design Services LLC								┼╀					* *	778,00 5	100.877.84
	Subcontractor - Makes Electrical Engine Ang. (10. Subroat Task 5	4	360	-	4			H				1	Π		\$ 76°04	\$ 6,601,92 \$ 6,601,92
l ^N	2.0 Preliminary Flaid inwartigations and Review of Historical Data			·				-	-	-	-	2 0.0/2	7	s - s	\$ 26.728	166,827,92
~	2.1 Review of Itelorical data, record drawings, well construction data 2.7 Trace Dissemblem Element	Π	8		2				$\left \right $		-			\mid		8,000.00
1.1	 Topographic Survey 		12		• •		+		+		+	_			5 9	\$ 2,480.00
ri 10	2.4 Utilities Locates (Sofi Dign) 2.5 Ground Penntraling Redor (GPR) Servicium		80 ¥					╞		┢╍┝						1,760,00
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4 6	7 Underground Fiping Assessment 3 Geotechnical Tari Walt Investigation		80 P		~			ľ								2, 120.00
14	Weil Skilling		10		\$ \$		┢	+		+	+	_	1			31,580.00
NN	2.10 HOA Coordination 2.11 Electrical and Communication Assessment		20	12	19 e			$\left \right $								\$ 17,312.00
1	2 Preliminary investigation, Cost Estimate and Phase Recommendation Technical Memoryandum		32		. 8				+-		-			-		5 21,440.00
	Subcontractor - Kimisy-Hom and Associates, Inc.	Π				Π		$\left \cdot \right $			$\left \cdot \right $		-	\$ 151	151,374,00	151,374,00
	Subcontractor - Engineered Daston Survices LLC Subcontrector - Hitlers Electrical Engineerenty, inc.													\$ 20	20,308.00 5	\$ 20,808.00
	Subcontractor - Wight PSM, LL C	Π												\$ \$	400,00	29,400,00
	Subcontractor - Brind Consultants Subcontractor - Centertor - Centertor							+	-		+	-		\$ 112	22,763,04 5	22,753.04
	Subcontractor - Centruthe Drafting (Logging) Subcontractor - Review & Philling (Logging)								╞┼					7	800.00	\$ 7,800.00
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ń	 PHASE 1: Design Phase Services 50% Design: Technical Specifications, Opinion of Prubable Cost; 		5	5	8									-		
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	Subcontractor - Kimley-Holn and Associates, inc.	Π								-	$\left \right $			\$ 239	340.00	239,349,00
	Subcontractor - Engineered Dealgn Services LLC Subcontractor - Hillers Electricul Engineering, Inc.									-	+	_		- - -	5 12 20 C	3,606.72
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۳.	5.0 PHASE 1 & 2: Permitting Assistance Provide permiting Assistance		8	12	8		┢		-		-					10 010 00
	Subcontractor - Kimey-Hom and Associates, Inc.	Π					$\left \right $			╋	-		-	5	160.00 \$	32, 160.00
	Subcontractor - Engineerad Deetings Services LLC	T							$\left \right $					1 71	302.72 \$	2,382.72
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ľ	E.O. JPHASE 1.& 2: Bidding Assistance															
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	Subcontractor, Hilbers Electrical Englise ethig, Inc.	ľ		.			╞╌╂	H		$\left \right $				5	512.22 5	\$ 6,512.22
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1	Subeonaultant Total														5	51.243.687.30
Ļ	Project Total														15	86,643.36
All a	ige calculated based on currant US Internal Revenue Service standard rates.									ĺ						

Kimley»Horn

TABLE A	ESTIMATE FOR PROFESSIONAL SERVICE
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200710N: 11772 No. 3 Weilfield Improvements. Desten. Permitting and Bidding		DREE		12	176				
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Topomphic Survey Review (14 wels)		-		2	2 7		\$ ²		0010212
Utility Locales (Soft Digs) Review x20		2	9	8	9		96		X,178.00
Ler Asview Baseline Nhise Assessment (6 Wells)		7	=	•	8	7	42		56,750.00
2.7 3W-8 2 9Ppinis Instructions		3 8	8 8		s x	"	5	ſ	513,950.00
Geolechnical Profile Well Investigation (Abl applicable, performed by Othera)					8	4	8	Ī	WWW/hite
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2.12 Technical Menomendum	1	*	ş	9	5	-	261		
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SublotAL	\$36,100	5101.724	102,2012	8152.530		217.42		-	\$736,224,00

rom bom 1920 Wekita Way, Sure 200, West Palm Beach, H. 32411 561 845 (1665

HEE

ATTACHMENT E

WTP NO. 3 WELLFIELD IMPROVEMENTS, DESIGN, PERMITTING AND BIDDING SERVICES (WUD 24-031) HILLERS ELECTRICAL ENGINEERING BUDGET SUMMARY

						Labor Classification	and Hourly	Rab	5.9.13						
Task Number	Tisk Decription	Project Manager	Project Engineer	Lead Exgineer	CADD/ Technician	Secretarial				Total Labor	Mileage (\$0.54/m)	ODC	Sub Consultant Services		TASK TOTAL
														ſ	90 cy co 600
1.0	Project Meetings and Administrative Assistance Prepare for and attend up to 9 project meetings with PBCWUD staff	4	8	24			T	1	Т	Т	T	T		-	
1.1	rippere for and alloring up to o project meetings that i bottob star									1				-	
	Subtotal Task 1	4	8	24	0	0	0	0	0	36	\$-	\$	- \$	- \$	6,601.92
2,0	Preliminary Field Investigations and Review of Historical Data													Т	
2.1	Raview of Historical Data, Record Drawing, Site Visit	2	4	24			T	1	1	1		1	1	-	
2.4	Review of Soft Dig Data for Underground Exploration	1	4	8					1			1			
2.10	HOA Coordination	1	4	4							1			-	
2.11	Electrical and Communication Assessment	2	10	50			1				1			1	
2.12	Preliminary Investigation, Cost Estimate and Phase Recommendation	4	14	38				1						1	
	Technical Memorandum	·						<u> </u>	 						
	Subtotel Task 2	10	36	124	0	0	0	a	0	170	s .	\$	- \$		30,330,56
3.0	Phase 1: WTP 3 Design Phase Services (7 Wells)			1	ا	-						1 *	1 *	Ť	
3,1	80% Design: Technical Specifications; Opinion of Probable Costs; Project Drawings	18	78	168										1	
3.2	90% Design: Technical Specifications; Opinion of Probable Costs: Project Drawings	10	58	120										1	
3,3	100% Design: Technical Specifications; Project Drawings	6	12	48											
							<u> </u>			ļ					
	Subtotai Task 3	34	148	336	0	0	0	0	0	518	\$ -	\$	- \$	• •	94,328.52
4.0	Phase 2: WTP 3 Design Phase Services (7 Wells)	L													
4.1	60% Design: Technical Specifications; Opinion of Probable Costs; Project Drawings	18	78	168					:						
4.2	90% Design: Technical Specifications; Opinion of Probable Costs: Project Drawings	10	58	120											
4.3	100% Design: Technical Specifications; Project Drawings	6	12	48											
	Subtotal Task 4	34	148	336	0	0	0	0	0	518	s	\$	- 5	15	94,328,52
5,0	Phase 1 & 2: WTP 3 Permitting Assistance		.				2		1		• • • • •			1	
	Permitting Assistance	1	6	20	T	6	<u> </u>	1	ľ		1	1			
					1 1									1	
	Subtotal Task 5	1	6	20	0	6	0	0	0	33	\$ -	\$	- 5	5	5,316.22
6.0	Phase 1 & 2: WTP 3 Bidding Assistance		• • • • • • • • • • • • • • • • • • • •					•	•		•				
6,1	Prepare conformed bid set documents; prepare up to 3 RFI responses; review bids; prepare bid recommendations	2	10	24											
	Subtotal Task 6	2	10	24	0	0	0	0	0	36	\$ -	\$	- \$ -	\$	6,512.22
	Labor Subletal Hours	85	356	864	0	6	0	0	0					<u> </u>	
	Labor Hourty Billing Rates	\$ 251.16						um () (r= 1		<u> </u>				-	·····
	Labor Raw Costs	\$ 84,00			\$ 47.00		#DIV/01	#01V/01	#DiV/0i					-	
	Labor Multiplier	2.99	2.99	2.99	2.99	2.99		L .				1			
	Labor SubTotal	\$ 21,348,60	\$ 73,446.36	\$ 142,084.80	\$ -	\$ 538,20	\$ -	\$-	\$ -					- I	
	Labor Totaj														237,417.96
	Mileage/ODC			····		······									\$0.00
	Subconsultant Total													·	\$0.00
	Project Total														237,417.96

Rev. 05-27-15



ATTACHMENT - E ENGINEERING SERVICES - BUDGET SUMMARY

Palm Beach County Water Utilities Department

Consultant: Engineered Design Services LLC Project Title: WTP No. 3 Wellfield Improvements PBCWUD Project No.: 24-031

					Labor Class	ification and	Hourly Rate				
Task No.	Task Description	Principal Engineer	Sr. Project Manager	Project Engineer	Engineer I	Lead Designer	Technician / Drafter	Total Labor	Mileage (\$0.58/mi)	ODC	Task Total
TASK 1	PROJECT MEETINGS										
	Subtask 1.1 - Project Meetings	12	I						\$ -	\$ -	\$ 2,448.00
			1				1		\$ -	\$ -	\$ -
	Task 1 - Subtotal	12							\$ -	\$ -	\$ 2,448.00
	PRELIMINARY FIELD INVESTIGATIONS AND REVIEW OF			1	1						
TASK 2	HISTORICAL DATA										
	Subtask 2.1 -Review of historical data, record drawings, well construction data	10		20					\$ -	\$ -	\$ 4,651.20
	Subtask 2.9 - Well Siting	20		10					\$ -	\$ -	\$ 5,385.60
	Subtask 2.12 - Preliminary Investigation, Cost Estimate and Phase Recommendation Technical Memorandum	40		20					\$ -	\$ -	\$ 10,771.20
	Task 2 - Subtotal	70		50							\$ 20,808.00
TASK 3	PHASE 1: DESIGN PHASE SERVICES										
	Subtask 3.1 - 60% Design Specifications, Project Drawings and OOPC	4		4							\$ 1,338,24
	Subtask 3.2 - 90% Design Specifications, Project Drawings and OOPC	4		6							\$ 1,599.36
	Subtask 3.3 - 100% Design Specifications, Project Drawings and OOPC	2		2							\$ 669,12
	Task 3 - Subtotai	10		12							\$ 3,606.72
TASK 4	PHASE 2: DESIGN PHASE SERVICES									1	
	Subtask 4.1 - 60% Design Specifications, Project Drawings and OOPC	4		4							\$ 1,338,24
	Subtask 4.2 - 90% Design Specifications, Project Drawings and OOPC	4		6							\$ 1,599,36
	Subtask 4.3 - 100% Design Specifications, Project Drawings and OOPC	2		2							\$ 669,12
	Task 3 - Subtotal	10		12							\$ 3,606.72
TASK 5	PHASE 1 & 2: PERMITTING ASSISTANCE										1
	Subtask 4.1 - Permitting Assistance - Easement Exhibits	4		12							\$ 2,382.72
											\$ -
	•										\$ -
	Task 3 - Subtotal	4		12							\$ 2,382.72
										on internet to be drawn	
····	Labor Subtotal Hours	106	0	86	0	0	0				
	Labor Hourly Biling Rates	\$ 204.00	\$ 195.84	\$ 130.56	\$ 108,80	\$ 97.92	\$ 81,60				
	Labor Raw Costs	\$ 75,00					\$ 30.00				4
	Labor Multiplier	2.72	2,72	2,72	2,72	2.72	2.72				
	Labor Subtotal	\$ 21,624,00	\$-	\$ 11,228.16	\$ -	\$ -	\$-				
	Labor Total	\$									32,852,16
	Mileage/ODC										\$0.00
	Project Total										\$32,852,16

WrightPSM, LLC

2225 53rd Ave Vero Beach, FL 32966 (772) 538-1858 www.wrightpsm.com

Estimate

JOB NUMBER

24-0160

ADDRESS

JLA Geosciences, inc 1907 Commerce Lane Suite 104 Jupiter, FL 33458



Professional Surveying and Mapping

ESTIMATE # 24010156 DATE 06/21/2024 EXPIRATION 08/21/2024 DATE

JOB LOCATION WTP3 Wellsites W Delray

DATE	ACTIVITY	Q	TY	RATE	AMOUNT
	Contract Geophysics GPR Survey of well sites a identified by client, per SC OF WORK: Cost is per site with 14 site included.	as OPE	14	2,100.00	29,400.00
	Term-Timeline 8 Expected turnaround time 10 weeks from notice to proceed, weather and circumstances permitting	: 8-	1	0.00	0.00
*By accepting the proceed, client e described work, amount in full up regardless of rea	RM SCOPE OF WORK is estimate or giving notice to nters into a contract for and agrees to pay invoiced on receipt of deliverables - al estate closing status, gress by others, or other he control of this firm.	TOTAL			\$29,400.00
Accepted By		Accep	ted [Date	
Zelle payment: r	pay@wrightpsm.com				



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00'201'E\$	0Z			00'70T'E\$	oz							1		Task i Survey Control - Horizontal & Vertical
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A TVI ATTA	
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Centerline Drilling, Inc.

1696 Old Okeechobee Rd., #3C West Palm Beach, Florida 33409 Water Well Contractor License #11132

Estimate

Date	Estimate #
6/26/2024	17-837

Name / Address JLA Geosciences, Inc. 1907 Commerce Lane, Suite 104 Jupiter, Florida 33458

			Project	
		·····	PBCWUD WTP 3	
Desc	ription	Qty	Rate	Total
6" Pilot Holes / 2" Test Well (po Logging Permit, Well Completion Report		4 4 4	27,550.00 1,950.00 500.00	110,200.00 7,800.00 2,000.00
Thank you for the oppo Phone #	ortunity to bid this job. E-mail		Total	\$120,000.00

Centerline Drilling, Inc. is not responsible for any damage to landscaping, sidewalks, driveways, or underground utilities. Also, there are no guarantees on the quality and or quantity of water and shall not release Owner/Customer from payment other than in accord with this Estimate. Centerline Drilling is not responsible for any electrical, water testing, Water Use Permit, excessive insurance, bond, prevailing wages, or anything not listed above. Manufactures warranty shall apply on all material & equipment, and 90 days on labor. Estimate is Valid for 10 Days.

Signature and Acceptance



ATTACHMENT 'A' (1 of 2)

PBCWUD Water Treatment Plant Number Three (WTP 3) Wellfield Capital Improvements Project - Fourteen (14) Well Locations

Type of Survey: Topographic Survey Date: June 6, 2024

TASK - Topographic Survey Wells 3W-7, 8, 9 and 20		CADD TECH	SURVEY TECH	PLS	COMMENTS	
Meetings and Coordination				1		
Horizontal Project Network Control	4		2		Find control	
Vertical Project Network Control	0.5		0.5		Establish onsite benchmarks	
Tie In Improvements, Cross Sections and As-builts	7.5		1		Locate above ground features, 25' cross sections & spot elevs. and as-built storm & sanitary	
Underground Utilities	1.5		0.5		Field locate flagged utilities by others	
Drawing		8	2	1	Prepare topographic survey	
Fotal Hours:	13.5	8	6	2		
Rate/Hour	\$50.60	\$31.00	\$31.00	\$42.00	(unloaded rates)	
Subtotal:	\$683.10	\$248.00	\$186.00	\$84.00		
Multiplier: Fotal Labor Cost (loaded) per Fotal Labor Cost for Each Well S Number of Well Sites:	Site:				3.0 \$3,603.3 \$3,603.3	
Fotal Labor Cost (unloaded): Multiplier: Fotal Labor Cost (loaded) per Fotal Labor Cost for Each Well S Number of Well Sites: Fotal Labor Cost for 4 Well Sit FASK - Tree Survey	Site:		SURVEY	PLS	3.0 \$3,603.3 \$3,603.3 \$3,603.3 \$14,413.2	
Aultiplier: Fotal Labor Cost (loaded) per Fotal Labor Cost for Each Well S Number of Well Sites: Fotal Labor Cost for 4 Well Sit FASK - Tree Survey	Site: es: SURVEY CREW	CADD	TECH	PLS	3.0 \$3,603.3 \$3,603.3 \$14,413.2 COMMENTS	
Aultiplier: Fotal Labor Cost (loaded) per Fotal Labor Cost for Each Well S Number of Well Sites: Fotal Labor Cost for 4 Well Sit FASK - Tree Survey	Bite: es: SURVEY	NU232433A16820033提出出现為12.2.365	百分百百万,以正国为法法法的知道只有万百万	PLS	3.0 \$3,603.3 \$3,603.3 \$3,603.3 \$14,413.2 COMMENTS Locate trees over 2" in	
Aultiplier: Total Labor Cost (loaded) per otal Labor Cost for Each Well S Number of Well Sites: Total Labor Cost for 4 Well Sites ASK - Tree Survey ree Survey	Site: es: SURVEY CREW	NU232433A16820033提出出现為12.2.365	TECH	PLS 0.5	3.0 \$3,603.3 \$3,603.3 \$14,413.2 COMMENTS	
Aultiplier: Total Labor Cost (loaded) per Total Labor Cost for Each Well S Number of Well Sites: Total Labor Cost for 4 Well Site TASK - Tree Survey Tree Survey Drawing	Site: es: SURVEY CREW	TECH	TECH		3.0 \$3,603.3 \$3,603.3 \$14,413.2 COMMENTS Locate trees over 2" in diameter (not exotics)	
Aultiplier: Total Labor Cost (loaded) per Total Labor Cost for Each Well S Jumber of Well Sites: Total Labor Cost for 4 Well Site ASK - Tree Survey Tree Survey Prawing Total Hours:	Site: es: SURVEY CREW 5	TECH 2	TECH 1	0.5	3.0 \$3,603.3 \$3,603.3 \$14,413.2 COMMENTS Locate trees over 2" in diameter (not exotics)	
Aultiplier: otal Labor Cost (loaded) per otal Labor Cost for Each Well S Jumber of Well Sites: otal Labor Cost for 4 Well Site TASK - Tree Survey ree Survey prawing otal Hours: Late/Hour	Site: es: SURVEY CREW 5 5 5	2 2 2	1 1 1	0.5	3.0 \$3,603.3 \$3,603.3 \$14,413.2 COMMENTS Locate trees over 2" in diameter (not exotics) Prepare tree survey	
Aultiplier: Total Labor Cost (loaded) per Total Labor Cost for Each Well S Number of Well Sites: Total Labor Cost for 4 Well Sit	Sife: es: SURVEY CREW 5 5 \$50.60 \$253.00	2 2 \$31.00	1 1 1 \$31.00	0.5 0.5 \$42.00	3.0 \$3,603.3 \$3,603.3 \$14,413.2 COMMENTS Locate trees over 2" in diameter (not exotics) Prepare tree survey (unloaded rates) (unloaded rates) \$367.0 3.0	
Aultiplier: Total Labor Cost (loaded) per Total Labor Cost for Each Well S Number of Well Sites: Total Labor Cost for 4 Well Site TASK - Tree Survey Tree Survey Drawing Total Hours: Late/Hour Subtotal: Total Labor Cost (unloaded): Tuttiplier:	Site: es: SURVEY CREW 5 5 \$50.60 \$253.00 well site:	2 2 \$31.00	1 1 1 \$31.00	0.5 0.5 \$42.00	Locate trees over 2" in diameter (not exotics) Prepare tree survey	

M: PROPOSALSIBY COMPANYULA Geosciences (WTP 3 Wellfield Capital Improvements WTP 3 Wellfield Capital Improvements 14 Well Locations - topographic and tree surveys worksheet



ATTACHMENT 'A' (2 of 2)

PBCWUD Water Treatment Plant Number Three (WTP 3) Wellfield Capital Improvements Project - Fourteen (14) Well Locations

Type of Survey: Topographic Survey

TASK - Topographic Survey 10 Well Sites	SURVEY	CADD	SURVEY	PLS	COMMENTS
Meetings and Coordination	CREW	TECH	TECH	<u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u>	
				I	
Horizontal Project Network	4		2		Find control
Vertical Project Network Control	0.5		0.5		Establish onsite benchmarks
Tie In Improvements, Cross Sections and As-builts	7		1		Locate above ground features, 25' cross sections & spot elevs. and as-built storm & sanitary
Underground Utilities	1		0.5		Field locate flagged utilities by others
Drawing		7	2	1	Prepare topographic survey
Fotal Hours:	12.5	7	6	2	
Rate/Hour	\$50.60	\$31.00	\$31.00	\$42.00	(unloaded rates)
Subtotal:	\$632.50	\$217.00	\$186.00	\$84.00	
Aultiplier: otal Labor Cost (loaded) per otal Labor Cost for Each Well :					3.(\$3,358.) \$3,358.)
Fotal Labor Cost (unloaded): Multiplier: Fotal Labor Cost (loaded) per Fotal Labor Cost for Each Well S Number of Well Sites: Fotal Labor Cost for 10 Well S	Site: ites:				3.(\$3,358.(\$3,358.(\$33,585.(
Multiplier: Fotal Labor Cost (loaded) per Fotal Labor Cost for Each Well S Number of Well Sites:	Site: ites: SURVEY	CADD		PLS	3.(\$3,358.(\$3,358.(
Multiplier: Fotal Labor Cost (loaded) per Fotal Labor Cost for Each Well S Number of Well Sites: Fotal Labor Cost for 10 Well S FASK - Tree Survey	Site: ites:	CADD TECH	SURVEY TECH 1	PLS	3.(\$3,358.(\$3,358.(\$33,585.(\$33,585.(COMMENTS Locate trees over 2" in
Aultiplier: Total Labor Cost (loaded) per Total Labor Cost for Each Well S Aumber of Well Sites: Total Labor Cost for 10 Well S ASK - Tree Survey Tree Survey	Site: ites: SURVEY CREW		TECH	PLS 0.5	
Multiplier: Total Labor Cost (loaded) per Total Labor Cost for Each Well S Number of Well Sites: Total Labor Cost for 10 Well S TASK - Tree Survey Tree Survey Drawing	Site: ites: SURVEY CREW	TECH	TECH		3.(\$3,358.(\$3,358.(\$33,585.(\$33,585.(COMMENTS Locate trees over 2" in diameter (not exotics)
Aultiplier: Total Labor Cost (loaded) per Total Labor Cost for Each Well S Aumber of Well Sites: Total Labor Cost for 10 Well S TASK - Tree Survey Tree Survey Drawing Total Hours:	Site: ites: SURVEY CREW 6	TECH 2	TECH 1	0.5	3.(\$3,358.(\$3,358.(\$33,585.(\$33,585.(COMMENTS Locate trees over 2" in diameter (not exotics)
Aultiplier: Total Labor Cost (loaded) per Total Labor Cost for Each Well S Jumber of Well Sites: Total Labor Cost for 10 Well S ASK - Tree Survey Tree Survey Drawing Total Hours: Eate/Hour	Site: ites: SURVEY CREW 6 6 6	<u>тесн</u> 2 2	TECH 1 1	0.5	3.(\$3,358.(\$3,358.(\$33,585.(COMMENTS Locate trees over 2" in diameter (not exotics) Prepare tree survey
Multiplier: Fotal Labor Cost (loaded) per Fotal Labor Cost for Each Well S Number of Well Sites: Fotal Labor Cost for 10 Well S	Site: ites: SURVEY CREW 6 6 \$50.60 \$303.60	2 2 \$31.00	TECH 1 1 \$31.00	0.5 0.5 \$42.00	3.1 \$3,358.4 \$3,358.4 \$33,585.4 COMMENTS Locate trees over 2" in diameter (not exotics) Prepare tree survey

GRAND TOTAL:

M/PROPOSALS/BY COMPANY/LLA Geosciences/WTP 3 Welfield Capital Improvements/WTP 3 Welfield Capital Improvements 14 Well Locations - topographic and tree surveys worksheet

\$64,930.20

ATTACHMENT F

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services

Utility Hydrogeologic Engineering Services

Resolution No. R2023-1782

Contract Dated 12/5/2023

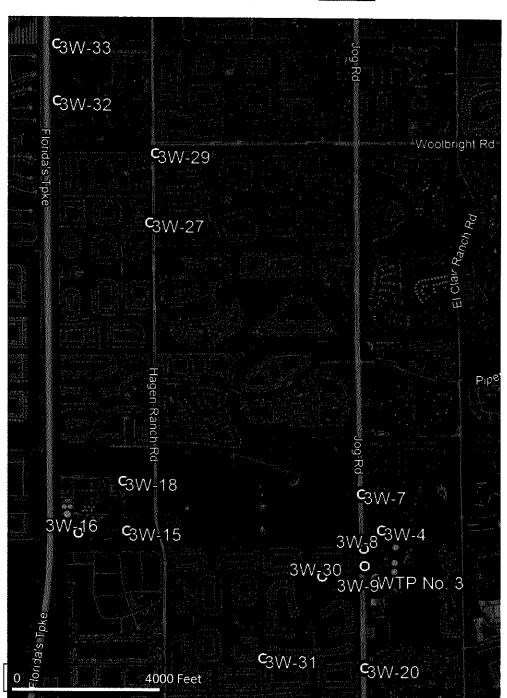
SUMMARY OF SBE-M/WBE BUSINESS TRACKING

Master Contract Goals		SBE: 89.00%	MBE (B): 1.00%
Current Proposal	1		
Value of Authorization No. <u>5</u>	\$	1,585,643.36	
Value of SBE-M/WBE Letters of Intent	\$	812,219.36	\$ 120,545.40
Actual Percentage		51.22%	7.60%
Signed/Approved Authorizations	1		
Total Value of Authorizations	\$	386,764.51	
Total Value of SBE-M/WBE Signed Subcontractors		\$300,403.98	\$ 4,889.00
Actual Percentage		77.67%	1.26%
Signed/Approved Authorizations Plus Current Proposal			
Total Value of Authorizations	\$	1,972,407.87	\$
Total Value of Subcontractors & Letters of Intent	\$	1,112,623.34	\$ 125,434.40
Actual Percentage		56.40%	6.35%

Revised 06-12-24

ATTACHMENT G

Location Map



PBCWUD Project No. 24-031

Revised 06-12-24

PROPOSALS



Kimley Worn

January 2, 2025

Ms. Rani Smith, P.G. JLA Geosciences, Inc. 1931 Commerce Lane, Suite 3 Jupiter, FL 33458

RE: WTP No. 3 Wellfield Improvements

Dear Ms. Smith:

We are pleased to provide this proposal for professional services for preliminary investigations, engineering design, permitting and limited bid phase services associated with the above referenced project.

Palm Beach County Water Utilities Department (COUNTY or PBCWUD) desires to evaluate and construct improvements to the WTP 3 Surficial Aquifer System (SAS) Wellfield. Preliminary discussions between JLA Geosciences, Inc. (JLA) and PBCWUD staff identified 14 Wells for improvements: 3W-4, 3W-7, 3W-8, 3W-9, 3W-15, 3W-16, 3W-18, 3W-20, 3W-27, 3W-29, 3W-30, 3W-31, 3W-32, and 3W-33. PBCWUD desires a scope of work to evaluate the 14 Wells and determine the necessary improvements for each. The Wells will be categorized according to the following categories based on their condition:

- Rehabilitation: Major rehabilitation of a well requiring removal of wellhead, additional equipment. Examples: Acidization, jetting, airlift, pump development.
- Reconstruction: Rescreening of existing well. Used for wells with Standard PBCWUD design except for production interval screen slot size.
- Replacement: Replacement of a well, either in place (overdrill) or adjacent.

The anticipated scope of work for each Well is as follows:

WTP No. 3 Well	Anticipated Scope of Work*
3W-4	Well Replacement
3W-7	Well Replacement
3W-8	Well Replacement
3W-9	Well Replacement
3W-15	Well Rehabilitation
3W-16	Well Rehabilitation
3W-18	Well Reconstruction

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	3W-33	Well Reconstruction
	3W-32	Well Reconstruction
	3W-31	Well Reconstruction
	3W-30	Well Reconstruction
Winese of States and States and	3W-29	Well Reconstruction
	3W-27	Well Replacement
	3W-20	Well Reconstruction

*Anticipated scope may be revised depending on results of preliminary investigations.

The wellfield improvements included in this project will be separated into two design packages. The design packages are referenced as Phase 1 and Phase 2 in tasks 3.0 and 4.0 respectively. The intent will be for each design package to be bid separately. The following scope of services outlines the tasks needed to prepare and bid the design packages.

SCOPE OF SERVICES

Kimley-Horn and Associates, Inc. (KHA), serving as a SUBCONSULTANT to JLA, the PRIME CONSULTANT, shall perform the Scope of Services as described herein and will complete the following tasks:

Task 1.0 - Project Meetings and administrative assistance during design, permitting and bidding

Task 1.1 Project Meetings and administrative assistance – SUBCONSULTANT shall prepare for and attend up to nine (9) project meetings with PBCWUD;

- One (1) preliminary design meeting;
- One (1) project kickoff meeting;
- One (1) combined preliminary technical memorandum review meeting for both Phase 1 and 2 design;
- Two (2) combined design meetings for both Phase 1 and 2 design;
- Three (3) permitting meetings;
- One (1) combined prebid meeting for both Phase 1 and 2 design.

Task 1.2 Project Coordination - KHA shall coordinate with JLA and JLA's subconsultants.

Task 1.0 - Deliverables

 Meeting minutes to be provided by JLA. KHA to review and provide comments prior to submission to PBCWUD.

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Task 2.0 - Preliminary Investigations

- Task 2.1 Review of historical data, record drawings, well construction data KHA shall review PBCWUD provided historical well construction information including well construction reports, County standard engineering details, and record drawings prior to preparing design specifications.
- Task 2.2 Tree Disposition Plans KHA will conduct site visits, review survey information and provide recommendations for construction area and final site plan for up to fourteen (14) well sites. Recommendations will include a plan for each site that indicates existing tree and shrub locations keyed to a chart that describes species, height, Diameter at Breast Height (DBH), and canopy spread, and tabulates the trees that are to remain, to be removed, and/or to be relocated. KHA will provide notes and details to support the trees' disposition, and in accordance with code requirements, as well as mitigation calculations that will be implemented with landscape plans provided under a different task. KHA will revise plans up to one (1) round based on input from PBCWUD.
- Task 2.3 Topographic Survey Review The CONSULTANT shall provide a review of topographical survey provided by JLA's subconsultant surveyor for up to fourteen (14) well locations with a 150 foot radius from the wellhead of each selected well site. The survey shall include the following: Location of visible fixed improvements within the proposed project limits/right-of-way, including physical objects, drainage swales, native trees, signs, fences, power poles; Location of above ground existing utilities; Elevations obtained to indicate existing grades; location of PBC located U/G utilities - pipes, valves, etc.; and reference benchmarks. The survey shall also include the location of all trees 2" DBH or larger, species, DBH, approximate height, and canopy spread. KHA will review survey information and provide coordination through JLA.
- Task 2.4 Utility Locates (Soft Digs) Review KHA will review up to twenty (20) subsurface utility locates by air/vacuum test holes that will be completed by JLA's subconsultant. Exact test hole sites will be determined during the preliminary investigations.
- Task 2.5 Ground Penetrating Radar (GPR) Services To be provided by JLA's subconsultant. KH to provide review of the results of the GPR.
- Task 2.6 Baseline Noise Assessment KHA will perform a noise study of Wells 3W-4, 3W-29, 3W-30, 3W-31, 3W-32 & 3W-33. KHA will conduct a site visit to each Well of the six (6) wells. Consultant will assess site conditions using a decibel reader, mechanical stethoscope and manual leak detector. A total of 6 site visits are anticipated due to the need for coordination and scheduling of the site visits to coincide the availability of the neighboring homeowners. KHA will summarize the

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Page 4

Kimley»Horn

findings from the site visit with a field report. KHA will summarize the findings of the noise assessments in the technical memorandums.

Task 2.7 3W-8/3W-9 Piping Improvements - KHA shall review record drawings for Wells 3W-8 and 3W-9. It is understood that these wells are currently configured to provide raw water blending to WTP 3. PBCWUD staff desire to evaluate the improvements necessary to transition these wells as production wells.

> KHA will determine the necessary piping improvements for converting Wells 3W-8 and 3W-9 to production Wells.

- Task 2.8 Geotechnical Profile Well Investigation N/A To be provided by JLA's subconsultant.
- Task 2.9 Well Siting KHA shall provide assistance with identifying the locations of the easements for each well site to be replaced (5 total), raw water main and construction easement needed to perform anticipated scope of work for each replaced well. Additional Well siting will be required for Well 3W-7 due to the need for the Well to potentially be relocated outside of its existing easement to avoid conflicts with the overhead utility lines.

KHA shall review flood maps (FIRM) and flood control elevations within the wells being modified to determine 100-yr flood elevations for each wellsite and adjust pad and/or wellhead flange and piping to accommodate vertical separation required by FAC 62-532 Water Well Permitting and Construction Requirements.

KHA will evaluate the need for permanent stormwater discharge locations at Wells 3W-7, 3W-20, 3W-27.

Task 2.10 HOA Coordination - Currently some of the wells are within Homeowners' association (HOA) maintenance boundaries. KHA shall coordinate with up to six (6) HOA Boards for a review of the proposed well rehabilitation/ reconstruction/ replacement. The intent of these reviews is to receive feedback on the proposed well and landscape impacts. KHA will coordinate with each of the six (6) HOA boards by preparing exhibits for the respective boards and attending up to two (2) virtual review calls with the respective HOA board members. If any HOA board requests more than the two (2) meetings outlined above or further coordination causing significant revisions to the project drawings, additional services will be required.

Task 2.11 Electrical Assessment - N/A, to be provided by JLA's subconsultant.

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Kimley Worn

Task 2.12 Preliminary Investigation Technical Memorandum - KHA shall provide a brief technical memorandum and Class 5 opinion of probable construction cost (OPCC) summarizing results of the preliminary well recommendations. The technical memorandum will be packaged and provided by JLA.

Task 2.0 - Deliverables

- Provide one (1), final, preliminary investigation technical memorandum for each well listed above in electronic format (Portable Document File (PDF)).
- Provide one (1), final, cost estimate and recommendation technical memorandum in electronic format (PDF).

Task 2.0 – Assumptions

- The COUNTY shall provide all available historical data and COUNTY standard engineering details to the CONSULANT. A copy of available record drawings, in CAD format, depicting the layout construction and details of the existing wellfield, will be furnished by the COUNTY for the CONSULANT'S use in preparing the design documents.
- KHA shall provide easement assistance as stated in section 2.9; however, this contract scope of work does not include assistance with property or easement acquisition, including boundary surveys, Ownership and Encumbrances (O&E) Investigations, appraisals, or land negotiations.
- COUNTY comments on the technical memorandum will be incorporated in the design phase of the project. Revisions of the technical memorandum are not included, but can be incorporated as additional services.
- Scheduling, meeting agendas and minutes with HOAs shall be prepared by PBCWUD. The CONSULTANT shall prepare exhibits for HOA review during HOA coordination meetings.
- The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Task 3.0 - Phase 1 Design Services

Task 3.1 60% Design - KHA shall prepare and submit to PBCWUD 60% design phase specifications and drawings. This task shall include 60% technical specifications, 60% civil/mechanical project drawings, wellhead, pump selection and pump, wellhead piping, valves, raw water main connections, well pad, driveways and appurtenances.

> KHA shall prepare and submit to PBCWUD 60% landscape plans. This task shall include 60% planting plans for each well and will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required. A note will be added to each landscape plan delineating the type of

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irrigation source to be used for each well. Irrigation source options include existing system, proposed well and pump or meter, or hand watering notes.

KHA shall also prepare an OPCC adequate for a budgetary estimate (Class 4) in accordance with AACE. PBCWUD shall review the 60% plans and provide comments in electronic format. KHA shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the 90% design.

Task 3.2 90% Design - KHA shall prepare and submit to PBCWUD 90% design phase specifications and drawings. This task shall include 90% technical specifications, 90% civil/mechanical project drawings, wellhead, pump, wellhead piping, valves, raw water main connections, well pad, driveways and appurtenances.

> KHA shall prepare and submit to PBCWUD 90% landscape plans. This task shall include 90% planting plans for each well and will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required. Depending on the source listed and the scope of work for each well, 90% Irrigation Plans will delineate irrigation equipment, quantities, piping layout, specifications, and project-specific irrigation details as required.

> KHA shall also prepare an OPCC adequate for a budgetary estimate (Class 3) in accordance with AACE. PBCWUD shall review the 90% plans and provide comments in electronic format. KHA shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the final design.

Task 3.3 Final Design - KHA shall prepare and submit to PBCWUD final design phase specifications and drawings. This task shall include final technical specifications and final civil/mechanical project drawings.

> KHA shall prepare and submit to PBCWUD landscape and irrigation plans. This task shall include final planting plans for each well and will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required. Depending on the source listed and the scope of work for each well, final irrigation plans will delineate irrigation equipment, quantities, piping layout, specifications, and project-specific irrigation details as required.

> KHA shall also prepare an OPCC adequate for a budgetary estimate (Class 3) in accordance with AACE. The final design submittal of the Wellfield improvements, landscape improvements, and irrigation improvements will be provided for bidding purposes.

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Task 3.0 - Deliverables

- 60% design Specifications, OPCC, and Project Drawings in electronic format.
- 90% design Specifications, OPCC, and Project Drawings in electronic format.
- Final Design Specifications, OPCC and Project Drawings digitally signed and sealed.

Task 3.0 - Assumptions

- All Design Phase Deliverables shall be submitted to JLA.
- Following PBCWUD review, requested changes to specific design phase specifications shall be implemented during the subsequent design phase.
- Electronic files exchanged between PBCWUD, JLA and KHA will be in a format compatible with MS Office 2016, Adobe Acrobat, and AutoCAD.
- The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Task 4.0 - Phase 2 Design Services

Task 4.1 60% Design - KHA shall prepare and submit to PBCWUD 60% design phase specifications and drawings. This task shall include 60% technical specifications. 60% civil/mechanical project drawings, wellhead, pump selection and pump, wellhead piping, valves, raw water main connections, well pad, driveways and appurtenances.

> KHA shall prepare and submit to PBCWUD 60% landscape plans. This task shall include 60% planting plans for each well and will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required. A note will be added to each landscape plan delineating the type of irrigation source to be used for each well. Irrigation source options include existing system, proposed well and pump or meter, or hand watering notes.

> KHA shall also prepare an OPCC adequate for a budgetary estimate (Class 4) in accordance with AACE. PBCWUD shall review the 60% plans and provide comments in electronic format. KHA shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the 90% design.

Task 4.2 90% Design - KHA shall prepare and submit to PBCWUD 90% design phase specifications and drawings. This task shall include 90% technical specifications, 90% civil/mechanical project drawings, wellhead, pump, wellhead piping, valves, raw water main connections, well pad, driveways and appurtenances.

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KHA shall prepare and submit to PBCWUD 90% landscape plans. This task shall include 90% planting plans for each well and will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required. Depending on the source listed and the scope of work for each well, 90% Irrigation Plans will delineate irrigation equipment, quantities, piping layout, specifications, and project-specific irrigation details as required.

KHA shall also prepare an OPCC adequate for a budgetary estimate (Class 3) in accordance with AACE. PBCWUD shall review the 90% plans and provide comments in electronic format. KHA shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the final design.

Task 4.3 Final Design - KHA shall prepare and submit to PBCWUD final design phase specifications and drawings. This task shall include final technical specifications and final civil/mechanical project drawings.

> KHA shall prepare and submit to PBCWUD landscape and Irrigation plans. This task shall include final planting plans for each well and will delineate plant material, plant quantities, plant schedules, specifications, and project-specific planting details as required. Depending on the source listed and the scope of work for each well, final irrigation plans will delineate irrigation equipment, quantities, piping layout, specifications, and project-specific irrigation details as required.

> KHA shall also prepare an OPCC adequate for a budgetary estimate (Class 3) in accordance with AACE. The final design submittal of the Wellfield improvements. landscape improvements, and irrigation improvements will be provided for bidding purposes.

Task 4.0 - Deliverables

- 60% design Specifications, OPCC, and Project Drawings in electronic format. .
- 90% design Specifications, OPCC, and Project Drawings in electronic format.
- Final Design Specifications, OPCC, and Project Drawings digitally signed and sealed.

Task 4.0 - Assumptions

- All Design Phase Deliverables shall be submitted to JLA.
- Following PBCWUD review, requested changes to specific design phase specifications shall be implemented during the subsequent design phase.
- Electronic files exchanged between PBCWUD, JLA and KHA will be in a format compatible with MS Office 2016, Adobe Acrobat, and AutoCAD.

Task 5.0 - Phase 1 & 2 Permitting Assistance

Task 5.1 Permitting Assistance - KHA will prepare documents and permit application (FAC 62-555.900(1)) for each well (14 total) and submit to Palm Beach County Health Department (PBCHD). SUBCONSULTANT will assemble and coordinate

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application package with JLA and Hillers Electrical Engineers (HEE) for submission to PBCHD. SUBCONSULTANT will provide up to three (3) signed/sealed copies of the drawings. The permit application fees will be paid for directly by PBCWUD. SUBCONSULTANT will respond to one (2) rounds of Request for Additional Information (RAI) from PBCHD for each Well.

Task 5.0 – Deliverables

PBCHD permits: 2 signed and sealed full sized sets for each Well.

Task 5.0 – Assumptions

- All permit application fees shall be paid for by the COUNTY.
- PBCERM coordination is assumed to take place during building permit review. If KHA assistance is required for PBCERM coordination, additional services will be required.

Task 6.0 - Phase 1 & 2 Bidding Assistance

Task 6.1 Bidding Assistance -

KHA shall review the civil, mechanical and landscape portions of the submitted contractor bids and prepare a written assessment of bid values to PBCWUD.

KHA will provide written responses to contractor requests for information (RFIs) related to each of the two design packages. Up to two (2) rounds of addenda questions are included in this scope of work for each design package.

SUBCONSULTANT will prepare conformed drawings and specifications for each design package per the addenda questions, if required.

Task 6.0 - Deliverables

Digitally signed and sealed conformed Specifications and Project Drawings for each design package.

Task 6.0 – Assumptions

- Electronic files exchanged between PBCWUD, JLA and KHA will be in a format compatible with MS Office 2016, Adobe Acrobat, and AutoCAD.
- The wellfield improvements included in this project will be separated into two design packages. The intent will be for each design package to be bid separately.

ITEMS AND SERVICES PROVIDED BY OWNER

- 1. Record drawings in .dwg format
- 2. Site Access

ITEMS NOT INCLUDED

1. Survey and utility locates to be provided by others.

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- 2. Permit application fees.
- 3. Geotechnical investigation services to be provided by others.
- 4. Construction Phase Services.
- 5. Wellhead re-design.
- 6. Electrical or instrumentation design.
- 7. Bacteriological, water quality testing, or PBCHD permit clearances.
- 8. As-built record drawings for PBCHD permit clearance.
- 9. PBCERM coordination.

PROJECT SCHEDULE

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

Task 1.0 – Project Meetings	480 days (Concurrent with Tasks 2.0 to 6.0)
Task 2.0 – Preliminary Investigations	210 days from NTP
Task 3.0 – Phase 1 Design*	150 days from completion of Task 2.0
Task 4.0 – Phase 2 Design*	150 days from completion of Task 2.0
Task 5.0 – Permitting Phase	60 days from completion of Task 3.0 and 4.0
Task 6.0 - Bidding Phase	Commensurate with PBCWUD Schedule
*Assumes 2 weeks of PPCM/UD review for t	he 60% and 00% design deliverable

*Assumes 2 weeks of PBCWUD review for the 60% and 90% design deliverable

COMPENSATION

Kimley-Horn will perform the services in Tasks 1 - 6 on a labor fee plus expense basis with the maximum labor fee shown below.

Task 1.0 – Project Meetings	\$44,778.00
Task 2.0 – Preliminary Investigations	\$151,374.00
Task 3.0 – Phase 1 Design	\$221,259.00
Task 4.0 – Phase 2 Design	\$239,349.00
Task 5.0 – Permitting Phase	\$32,160.00
Task 6.0 - Bidding Phase	\$47,304.00
TOTAL	\$ 736,224.00

Kimley-Horn will not exceed the total maximum labor fee shown without authorization from the Client. Individual task amounts are provided for budgeting purposes only. Kimley-Horn reserves the right to reallocate amounts among tasks as necessary.

Payment will be due within 25 days of your receipt of the invoice and should include the invoice number and Kimley-Hom project number.

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CLOSURE

KHA will provide these services in accordance with the WUD 23-026 Contract with JLA made executed by and between Palm Beach County, a Political Subdivision of the State of Florida, by and through its Board of Commissioners, hereinafter referred to as the COUNTY, and JLA. Geosciences, Inc., authorized to do business in the State of Florida, hereinafter referred to as the CONSULTANT, whose Federal I.D. is 45-0496499.

To proceed with the services, please have an authorized person send us a Subcontractor Agreement to execute. We will commence services only after we have received a fully-executed agreement. Fees and times stated in this Agreement are valid for sixty (60) days after the date of this letter.

Please call if you have any questions.

Sincerely,

By: Jason Lee, P.E. Vice President

Attachments: Table A - Fee Estimate, Exhibit A - Rate Schedule

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Kimley-Horn and Associates, inc. FULL CONTRACT SIGNING AUTHORITY December 14, 2023

The following individuals have authority to sign both standard and non-standard agreements directly related to serving clients ("Project Agreements"). Project Agreements include client contracts, subcontracts, project-specific vendor agreements, IPO's, contract amendments, non-disclosure agreements, teaming agreements, project-specific equipment and facility rental agreements for specific projects, and certifications related to proposals. This document does not grant authorization to sign other types of contracts or legal documents not directly related to client service such as office leases, software purchase or license agreements, tax returns, purchase agreements for supplies, or agreements to procure accounting, legal, recruiting, or similar services.

ATLANTIC

BALTIMORE CITY Falk, Katherine W. Kraft, Jonathan H. Miller, Sean T. Smith, Jeff B.

BALTIMORE COUNTY Leffner, Nicholas J. Hutton, Heather

BOSTON

Jacques, Christopher Keegan, Katherine A.

CHARLOTTESVILLE Oliver, Jonathan H.

HARRISBURG Bankert, Larry I. McGinley, Steve M.

LOUDON Bollinger, Kyle T. Giffin, Geoffrey D.

NORTHERN VIRGINIA Carter, Erica V. D'Alessandro, Jonathan Elman, Paul D. Howell, Christopher M. Kauppila, John L. Koopman, Jennifer R. Lefton, Steven E. Millot, Sean M. Murphy, Erin M. Musson, David B. Prunty, Robert W. Samba, David B. Sauro, Thomas J. Schrader, Carly N. Smith, Andrew T. Stevens, Ross S. Teague, M. Zach Whyte, Richard D.

PHILADELPHIA CENTER CITY Harmon, Amanda R. Hughes, Paul W. Morgan, Taylor M. <u>PITTSBURGH</u> Beaves, Adele M. Beduhn, Tyler J. Moldovan, William

PRINCETON Diggan, Tony W. Gibson, Adam T.

RICHMOND Chance, Maxwell P. Crum, Katie E. Dougherty, Sean P. Harrell, Matthew T. Heustess, Aaron M. Hill, Corey W. Lickliter, Ashley C. McCray, Danielle R. McPeters, Brian A Perkins, Ryan R. White, Timothy E.

VIRGINIA BEACH Chambers, Jon S. Dallman, David B. Davidson, Scott O. Farthing, Andrew P. France, William D. Funk, Gerald S. Holland, Kimberly R. Holland, Kimberly R. Holland, Stephen R Mackey, William F. Mertig, Karl E. Miller Edward W. Moser, Emily A. Niss, Robyn M. Royal, Jack R. Schmitt, Gregory H. Votava Charles F. Wharton, Michelle L. Williams, Kyle D. Yee, Leong Wee

WHITE PLAINS Canning, Thomas J. Van Hise, Kevin A.

CALIFORNIA

LONG BEACH Hewitt, Melissa A. Phillips, Chad E.

LOS ANGELES Chakravarthy, Srikanth

Duong, Danh Fares, Jean B. Kyle, Gregory S Phaneuf, Alyssa S. Ranta, Shahrzad

OAKLAND Akwabi, Kwasi Colety, Mike D. Dankberg, Adam J.

ORANGE Adrian, Darren J. Bossu, David M. Glaze, Jacob S. Kerry, Nicole M. Matson, Jason B. Marechal, Jason A. Melchor, Jason J. Melvin, M. Pearse

<u>PLEASANTON</u> Durrenberger, Randal R. Johnson, Miles R. Mehta, Parag G. Mowery, Michael C. Sowers, Brian E.

RIVERSIDE Cowan, Eugene D. Pollock, John A.

<u>SACRAMENTO</u> Melvin, Enda Pittalwala, Fareed S. Schmitt, Michael L. Tait, Zachary T. Weir, Matthew D.

SAN DIEGO Barlow, Matthew T. Becker, Justin S. Harry, Jennifer L. Kaltsas, Joseph D. Madsen, Michael P. McCormick, Matthew B. McWhorter, Samuel L. Podegracz, Anthony J. Ulery, Megan R. Valencia, Jason B.

SAN JOSE Hamilton, Robert J. Hedayat, Leyla Venter Frederik J.

Page 1 of 2

<u>SAN MATEO</u> Pulliam, John E.

CAROLINAS

Guy, Jonathan R. <u>CHARLOTTE</u> Blakley, Jr., Stephen W. Denney, Seth A.

Edwards, Matthew A. Lewis, Ryan T. Pattison, Paul G. Racer, Joseph M. Taylor, Benjamin S.

COLUMBIA Iser, Christopher M.

Lewellyn, Earl R.

FORT MILL Holcomb, John E.

RALEIGH Adams, Richard C. Barber, Barry L. Beck, Chadwick W. Brewer, Brian J. Cochran, Adam P. Cook, Richard N. Deans, Neil T. Flanagan, Tammy L. Keil, Ashley R. Kuzenski, John D. Leverett, Christopher C. Meador, Emily H. Netzer, Lesley E. Thompson, Erin K.

CENTRAL

DALLAS

Fraccaro, Joseph A. Galloway, Steven D. Gary, Glenn A. Harris, Mark E. Henrichs, Tyler B. Hoppers, Kevin P. Nathan, Aaron W. Rader, Aaron K. Sulkowski, Nicholas E. Williamson, Sarah T.

FORT WORTH Arnold, Douglas M. Arnold, Scott R. Atkins, John R. Hill, Bradley J. James, Richard J. Webb, Floyd C.

FRISCO Brignon, Brit A. Coppin, Thomas G. McCracken, Paul D. Dickey, Kyle A.

IRVING/LAS COLINAS Ante, Louis N.

DURHAM DOWNTOWN FLORIDA

BOCA-DELRAY Webber, Jason A. Haggerty, Jordan L.

FORT LAUDERDALE Alam, Mudassar M. Capelli, Jill A. Dabkowski, Adrian K. Emmons, Erin N. Falce, Christopher T. McWilliams, John J. Ratay, Gary R. Robertson, Stewart E. Viola, Stefano F.

FORT MYERS Bryant, M. Lewis Clark, Kellie R.

GAINESVILLE Towne, Christopher

JACKSONVILLE Brenny, Martin T. Mecca, Joseph P. Mullis, Raiford M. Roland, George E. Shelton, Mark W.

Hoppers, Kevin P. <u>LAKELAND</u> Nathan, Aaron W. Lewis, Jason A. Rader, Aaron K. Wilson, Mark E. Samarripas, Anthony M. White, Wayne E.

Kimley-Horn and Associates, Inc. FULL CONTRACT SIGNING AUTHORITY December 14, 2023

MELBOURNE Husainy, Kinan F.

MIAMI

Almonte, Leonte I. Baldo, Burt L. Buchler, Aaron E. Collier, Julio A. Fernandez, Jorge L. Fye, Barton J.

<u>OCALA</u> Busche, Richard V. Gartner, Amber L. Losito, Gene B.

ORLANDO Chau, Hao T. Lenzen, Brent A. Littrell, Lance R. Martin, Jonathan A. Mingonet, Milton S. Roberts, Heather A. Stickler, Brooks A. Thigpen, Jonathan D. Wetherell, Ryan S.

SARASOTA Klepper, B. Kelley Nadeau, Gary J. Pankonin, James R. Schmid, Seth E.

ST. PETERSBURG Dodge, Dawn M. Walker, Jordan W.

TALLAHASSEE Barr, Richard R. DeVeau, Zachariah A. Kalbi, Shawn C.

<u>TAMPA</u> Bulloch, Kelly B. Collins III, Carroll E. Gilner, Scott W. Lee, Nathan Q.

VERO BEACH Good, Brian A. Lawson, Jacob B. Roberson, Kevin M. Thomas, Melibe S. Van Rens, Peter J.

WEST PALM BEACH Lee, Jason R. Long, Jamea M. Mufleh, Marwan H. Rapp, Bryan T. Schanen, Kevin M. Schwartz, Michael F. Tercilla, Lindsey A. Walthall, David W.

MOUNTAIN PACIFIC Heggen, Christopher W.

WPB DOWNTOWN

Spruce, Michael D.

MIDWEST

<u>CHICAGO</u>

DOWNTOWN

Lemmon, Peter C.

Marnell, Colleen L.

Morton, Jr., Arthur J.

CHICAGO NORTH

Cooper, Jason C. Tracy, Eric J.

CHICAGO WEST

Garner, Chad S.

Heinen, Andrew N.

Walker, Michaela E.

Walker, William A.

COLUMBUS

Muller, Justin M.

Reeves, Michael C. Schall, Andrew J.

INDIANAPOLIS Butz, Jr., William A. Sheward, Bryan A.

Wolfred, Maurice A.

KANSAS CITY

Kist, Matthew D.

McKerrow, Jeff D.

NORTHEAST OHIO

Bourdon, Brandon J.

Clements, Kevin J.

TWIN CITIES

Bishop, Mark C.

Coyle, Daniel J. Elegert, Brandon R.

Fosmo, Eric J.

Hume, Robert M.

Jensen, Matthew D.

Matzek, William D.

Schmitz, William J.

Zimmerman, David

Kuhnau, JoNette L.

Wurdeman, Brian M.

TWIN CITIES- WEST

Phipps, Ryan A.

Wall, Lisa M.

Kaufman, Phil R.

Fancler-Splitt, Rory K.

SUBURBS

West, Craig L

SUBURBS

Mayer, Joseph P.

ASPEN Christensen, Bryce E.

BOISE McDougald, Brandon D. Nicholson, Tim P.

BROOMFIELD Pratt, Anthony J.

COLORADO SPRINGS Gunderson, Eric J. Hess, Mitchell O.

DENVER Andryscik, Kory J. Colvin, Scott W. Garinger, Amy M. Heiberger, John R. Krell, Gabriel M. Phelps, Randall J. Rowe, Curtis D. Salvagio, Robin Skeehan, Daniel L Sobieski, Dennis M. McGee, Meaghan M. Valentine, Brian W. Wilhelm, William R.

FORT COLLINS Felton, Emily P.

PORTLAND Belsick, Jody W. Meyerhofer, Peter N.

SALT LAKE CITY Crowther, Brent C Gresham, Teresa R. Johnson, Zachary A. O'Brien, Molly M.

SEATTLE Kamerath, Marcy Reeverts, Canaan H. Williams, David S.

SOUTHWEST

LAS VEGAS Ahartz, Shannon R. Jones, Christopher R. Moles, Richard A. Moore, Devin V. Mosley, Michael S. Wolf, Treasea

MESA Burm, Jason M. Grandy, Michael L. Margetts, Sterling T. Mutti, Brent H. Page 2 of 2

Walnum, Nathan C.

PHOENIX Christian, Rajesh S. Connelly, Alissa J. Delmarter, Michael L. Ehrick, Taylor R. Henderson, Benjamin J. Thoma, Jayme Ŕ. Jupp, Andrew M. Kimm, Kevin J. Kissinger, John C. Leistiko, David J. Marella, Damon J. Perillo, Adam C. Sjogren, Timothy P. Smalkoski, Brian R.

<u>RENO</u> Hildebrandt, Timothy H. Nasset, Brent J.

TUCSON Payne, Kevin W. Rhine, Timothy J.

SOUTH

ALPHARETTA Fanney, Angela L. Fanney, Lawson H. Hamilton, James R. James, Alvin B. Shearouse, Sarah Stricklin, David L. Walker, John D.

ATLANTA Ergle, Kevin B. Fink, Kenneth L.

ATLANTA MIDTOWN Bosman, Eric S. Coleman, Sean H. Elsey, Jeffrey B. Johnston, Sean P. Ross, Robert A. Triplett, Katherine R.

BIRMINGHAM Bailey, Clark B.

MEMPHIS Danley, Drake E. Minor, Henry W. Peregoy, Samuel J. Peregoy, Jennifer M.

MOBILE Starling, Charles H.

NASHVILLE Creasman, Brett R. Dufour, Zachary J.

Espelet, Leonardo E. McMaster, Ryan L. Neal, Philip H. Rhodes, Christopher D.

<u>SAVANNAH</u> Gwaltney, Jamie N. Marsengill, Chris C.

WOODSTOCK West, Brian B.

TEXAS SOUTH

AUSTIN NORTH Boecker, Brian C. Neal, Trey A. VanLeeuwen, Andrew W.

AUSTIN SOUTH Hudson, Harrison M. Mason, Sean R.

BRYAN/COLLEGE STATION Lucas, Michael D.

HOUSTON Frysinger, Ashley M. Frysinger, Chris V. Guillory, Michael B.

SAN ANTONIO Farnsworth, Jeffrey A. Holscher, Nicholas F.

THE WOODLANDS Freeman, Jr., Steven C.

HEE



HILLERS ELECTRICAL ENGINEERING. INC.

January 2, 2025

Jim Andersen, P.G. JLA Geosciences, Inc. 1907 Commerce Lane, Suite 104 Jupiter, FL 33458

Subject: WTP No. 3 Wellfield Improvements, Design, Permitting and Bidding Services (WUD 24-031)

Dear Jim:

Hillers Electrical Engineering, Inc. (HEE) is pleased to provide JLA Geosciences, Inc. (JLA) a proposal and accompanying spreadsheet for the electrical and instrumentation design, permitting, and bidding phase services associated with the above-referenced project. The scope of services is as follows:

- Project meetings and administrative assistance
- Preliminary field investigation and review of historical data
- Phase 1: WTP 3 design phase services
- Phase 2: WTP 3 design phase services
- Phase 1 & 2: WTP 3 permitting assistance
- Phase 1 & 2: WTP 3 bidding assistance

The scope of work for the preliminary field investigation and review of historical data includes an electrical and communication assessment. HEE shall study the existing electrical conduits, feeder cables, voltage drops, electrical gear rating and capacity, generator power capacity, and FPL transformer capacity of four (4) wells (3W-4, 3W-7, 3W-8, and 3W-9) which will have increased motor horsepower. HEE shall assess the existing master radio system and five (5) remote well radios and antenna systems which have communication issues. This communication assessment will be based on the successful completion of the new antenna tower at WTP 3 which will be installed during ongoing Project No. 21-054. This communication assessment does not include a third-party radio survey using temporary master antenna and temporary remote adjustable antennas.

The wells identified are as follows:

• WTP 3: 3W-4,7, 8,9,15,16,18,20,27,29,30,31,32,33

Our estimated total sheet count for the electrical and instrumentation design is 79 sheets and the following is a breakdown:

E-1, electrical legend E-2, electrical notes

23257 State Road 7, Suite 100, Boca Raton, Florida 33428 561-451-9165 Fax: 561-451-4886

.....

E-3, WTP3 Site Plan E-4, well 3W-4 plan E-5, well 3W-4 one line diagram E-6, well 3W-4 schematic diagram E-7, well 3W-4 riser diagram E-8, well 3W-4 P&ID E-9, well 3W-7 plan E-10, well 3W-7 one line diagram E-11, well 3W-7 schematic diagram E-12, well 3W-7 riser diagram E-13, well 3W-7 P&ID E-14, well 3W-8 plan E-15, well 3W-8 one line diagram E-16, well 3W-8 schematic diagram E-17, well 3W-8 riser diagram E-18, well 3W-8 P&ID E-19, well 3W-9 plan E-20, well 3W-9 one line diagram E-21, well 3W-9 schematic diagram E-22, well 3W-9 riser diagram E-23, well 3W-9 P&ID E-24, well 3W-15 plan E-25, well 3W-15 one line diagram E-26, well 3W-15 schematic diagram E-27, well 3W-15 riser diagram E-28, well 3W-15 P&ID E-29, well 3W-16 plan E-30, well 3W-16 one line diagram E-31, well 3W-16 schematic diagram E-32, well 3W-16 riser diagram E-33, well 3W-16 P&ID E-34, well 3W-18 plan E-35, well 3W-18 one line diagram E-36, well 3W-18 schematic diagram E-37, well 3W-18 riser diagram E-38, well 3W-18 P&ID E-39, well 3W-20 plan E-40, well 3W-20 one line diagram E-41, well 3W-20 schematic diagram E-42, well 3W-20 riser diagram E-43, well 3W-20 P&ID E-44, well 3W-27 plan E-45, well 3W-27 one line diagram E-46, well 3W-27 schematic diagram E-47, well 3W-27 riser diagram E-48, well 3W-27 P&ID E-49, well 3W-29 plan E-50, well 3W-29 one line diagram E-51, well 3W-29 schematic diagram

E-52, well 3W-29 riser diagram E-53, well 3W-29 P&ID E-54, well 3W-30 plan E-55, well 3W-30 one line diagram E-56, well 3W-30 schematic diagram E-57, well 3W-30 riser diagram E-58, well 3W-30 P&ID E-59, well 3W-31 plan E-60, well 3W-31 one line diagram E-61, well 3W-31 schematic diagram E-62, well 3W-31 riser diagram E-63, well 3W-31 P&ID E-64, well 3W-32 plan E-65, well 3W-32 one line diagram E-66, well 3W-32 schematic diagram E-67, well 3W-32 riser diagram E-68, well 3W-32 P&ID E-69, well 3W-33 plan E-70, well 3W-33 one line diagram E-71, well 3W-33 schematic diagram E-72, well 3W-33 riser diagram E-73, well 3W-33 P&ID E-74, electrical details sheet 1 E-75, electrical details sheet 2 E-76, electrical details sheet 3 E-77, electrical details sheet 4 E-78, instrumentation details sheet 1 E-79, instrumentation details sheet 2

Our proposed electrical and instrumentation design, permitting and bidding phase services not-to-exceed fee is \$ 237,417.96 see attached breakdown.

If you have any questions, please do not hesitate to call me.

Sincerely,

P. Hiller

Paul Hillers





Proposal to: JLA Geosciences

WUD 24-026 Hydrogeologic General Engineering Services

> Engineered Design Services LLC Contact: Craig McKenzie, P.E. CraigMcKenzie@EDSEngineers.com (561) 600-1776

edsengineers.com

July 17, 2024

Rani K. Smith, P.G. Principal Hydrogeologist JLA Geosciences, Inc. 1907 Commerce Lane, Suite 104 Jupiter, FL 33458

RE: Proposal for WUD 24-026 Hydrogeologic GES

Dear Ms. Smith:

Engineered Design Services (EDS) is pleased to support JLA Geosciences (JLA) in the design phase of WUD 24-026 Hydrogeologic General Engineering Services for Wellfield Improvements at WTP #3. We understand that a total of 14 production wells will be evaluated for replacement or refurbished under this scope, and the anticipated scope may be revised depending on results of preliminary investigations. As a SUB-CONSULTANT to JLA, EDS proposes the following engineering services.

SCOPE OF SERVICES:

Our proposed scope of services will include the following 14 well locations:

WTP 3 Wells: 3W-4, 3W-7, 3W-8, 3W-9, 3W-15, 3W-16, 3W-18, 3W-20, 3W-27, 3W-29, 3W-30, 3W-31, 3W-32, 3W-33

Task 1.0 - Project Meetings and administrative assistance during design, permitting and bidding

1.1. Project Meetings and Administrative Assistance: The SUB-CONSULTANT shall prepare for and attend up to five (5) project meetings with PBCWUD staff the following including:

- One (1) project kickoff meeting;
- One (1) combined preliminary technical memorandum review meeting for both Phase 1 and 2 design;
- Two (2) combined design meetings for both Phase 1 and 2 design;
- One (1) combined prebid meeting for both Phase 1 and 2 design.

Task 2.0 - Preliminary Field Investigations and Review of Historical Data

2.1 <u>Review of historical data, record drawings, well construction data:</u> The SUB-CONSULTANT shall review PBCWUD provided historical well construction information including well videos, well construction reports, PBCWUD standard engineering details, and record drawings prior to preparing design specifications.

2.10 <u>Well Siting:</u> The SUB-CONSULTANT shall provide assistance with identifying the locations of the easements for four (4) wells to be replaced. The SUB-CONSULTANT shall review flood maps (FIRM) and flood control elevations within the wells being modified to determine 100-yr flood elevations for each wellsite and adjust pad and/or wellhead flange and piping to accommodate vertical separation required by Florida Administrative Code (FAC) 62-532 Water Well Permitting and Construction Requirements. The SUB-CONSULTANT shall review publicly available records to determine that the proposed well locations meet F.A.C. 62-532 setback distances.

2.12 <u>Preliminary Investigation Technical Memorandum</u>: The SUB-CONSULTANT shall provide a brief technical memorandum summarizing results of preliminary investigations.

2.13 <u>Cost Estimate and Phase Recommendation Technical Memorandum</u> – The SUB-CONSULTANT shall prepare an Opinion of Probable Cost (OPC) of anticipated construction costs adequate for a budgetary estimate (Class 5) in accordance with American Association of Cost Engineering (AACE). These recommendations will be used to determine phasing of outlined wells into two (2) design packages for PBCWUD Contractor bidding.

July 16, 2024

SCOPE OF SERVICES (CONTINUED):

Task 2.0 – Deliverables

- Provide a preliminary investigation technical memorandum for each well listed above in electronic format (Portable Document File (PDF)).
- Provide a cost estimate and recommendation technical memorandum in electronic format (PDF).

Task 2.0 – Assumptions

- PBCWUD shall provide all available historical data and PBCWUD standard engineering details to the CONSULANT. A copy of available record drawings, in CAD format, depicting the layout construction and details of the existing wellfield, will be furnished by the PBCWUD for the CONSULANT'S use in preparing the design documents.
- Any temporary or permanent construction easements or easement agreements necessary for access to
 or construction of the work will be provided by the PBCWUD. This contract scope of work does not
 include assistance with property or easement acquisition, including boundary surveys, Ownership and
 Encumbrances (O&E) Investigations, appraisals, or land negotiations.
- Following completion of Task 2.0 services, additional changes to the project design scope of service shall not be added by PBCWUD.
- Water quality sampling associated with Task 2.3 shall be collected and analyzed by PBCWUD laboratories.
- All permit application fees shall be paid for by the PBCWUD.

Task 3.0 - PHASE 1: Design Phase Services

3.1 Phase 1: 60% Design Specifications, Project Drawings and Opinion of Probable Cost: – The SUB-CONSULTANT shall prepare and submit to the PBCWUD 60% design phase specifications and drawings. This task shall include 60% structural technical specifications, and 60% well pad structural drawings. The SUB-CONSULTANT shall also prepare an OPC of construction cost estimates adequate for a budgetary estimate (Class 5) in accordance with AACE. The construction cost will also include cost estimates for goal setting purposes. The PBCWUD shall review the 60% specifications and provide comments in electronic format. The SUB-CONSULTANT shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the 90% design.

3.2 Phase 1: 90% Design Specifications, Project Drawings and Opinion of Probable Cost: - Following completion of PBCWUD review 60% design work, the SUB-CONSULTANT shall prepare and submit to the PBCWUD 90% design phase specifications and drawings. This task shall include 90% structural technical specifications including front-end specifications, and 90% well pad structural drawings. The SUB-CONSULTANT shall also prepare an OPC of construction cost estimate (Class 5) in accordance with AACE. The construction cost will also include cost estimates for goal setting purposes. The PBCWUD shall review the 90% specifications and provide comments in PBCWUD format. The SUB-CONSULTANT shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the 100% design.

3.3 <u>Phase 1: 100% Design Specifications, Project Drawings:</u> - Following completion of PBCWUD review 90% design work, the SUB-CONSULTANT shall prepare and submit to the PBCWUD 100% design phase specifications and drawings. This task shall include 100% structural technical specifications, 100% well pad structural drawings, OPC, and cost estimate for goal setting. The PBCWUD shall review the 100% specifications and provide comments in electronic format. The SUB-CONSULTANT shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the conformed design (bid set).

July 16, 2024

SCOPE OF SERVICES (CONTINUED):

Task 3.0 – Deliverables

- 60% Design Specifications, OPC, and Project Drawings in electronic format (PDF).
- 90% Design Specifications, OPC, and Project Drawings in electronic format (PDF).
- 100% Design Specifications, and Project Drawings Digitally signed and sealed in electronic format (PDF).

Task 3.0 – Assumptions

- All Design Phase Deliverables shall be submitted to the PBCWUD Project Manager, Pat Maher, P.G.
- Following PBCWUD review, requested changes to specific design phase specifications shall be implemented during the subsequent design phase.
- Electronic files exchanged between the PBCWUD and the CONSULTANT will be in a format compatible with MS Office, Adobe Acrobat, and AutoCAD.
- The consultant has no control over the cost of labor, materials, equipment, or over the Contractor's
 methods of determining prices or over competitive bidding or market conditions. Opinions of probable
 costs are based on the information known to consultant at this time and represent only the consultants's
 judgment as a design professional familiar with the construction industry. The consultant cannot and
 does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of
 probable costs.

Task 4.0 - PHASE 2: Design Phase Services

4.1 <u>Phase 2: 60% Design Specifications, Project Drawings and Opinion of Probable Cost:</u> – The SUB-CONSULTANT shall prepare and submit to the PBCWUD 60% design phase specifications and drawings. This task shall include 60% structural technical specifications, and 60% well pad structural drawings. The SUB-CONSULTANT shall also prepare an OPC of construction cost estimates adequate for a budgetary estimate (Class 5) in accordance with AACE. The construction cost will also include cost estimates for goal setting purposes. The PBCWUD shall review the 60% specifications and provide comments in electronic format. The SUB-CONSULTANT shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the 90% design.</u>

4.2 Phase 2: 90% Design Specifications, Project Drawings and Opinion of Probable Cost: - Following completion of PBCWUD review 60% design work, the SUB-CONSULTANT shall prepare and submit to the PBCWUD 90% design phase specifications and drawings. This task shall include 90% structural technical , and 90% well pad structural drawings. The SUB-CONSULTANT shall also prepare an OPC of construction cost estimate (Class 5) in accordance with AACE. The construction cost will also include cost estimates for goal setting purposes. The PBCWUD shall review the 90% specifications and provide comments in PBCWUD format. The SUB-CONSULTANT shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the 100% design.

4.3 <u>Phase 2: 100% Design Specifications, Project Drawings</u> - Following completion of PBCWUD review 90% design work, the SUB-CONSULTANT shall prepare and submit to the PBCWUD 100% design phase specifications and drawings. This task shall include 100% structural technical specifications including front-end specifications, 100% well pad structural drawings, OPC, and cost estimate for goal setting. The PBCWUD shall review the 100% specifications and provide comments in electronic format. The SUB-CONSULTANT shall review and respond to the PBCWUD comments and utilize the agreed upon changes for the conformed design (bid set).</u>

July 16, 2024

SCOPE OF SERVICES (CONTINUED):

Task 4.0 – Deliverables

- 60% Design Specifications, OPC, and Project Drawings in electronic format (PDF).
- 90% Design Specifications, OPC, and Project Drawings in electronic format (PDF).
- 100% Design Specifications, and Project Drawings Digitally signed and sealed in electronic format (PDF).

Task 4.0 – Assumptions

- All Design Phase Deliverables shall be submitted to the PBCWUD Project Manager, Pat Maher, P.G.
- Following PBCWUD review, requested changes to specific design phase specifications shall be implemented during the subsequent design phase.
- Electronic files exchanged between the PBCWUD and the CONSULTANT will be in a format compatible with MS Office, Adobe Acrobat, and AutoCAD.
- The consultant has no control over the cost of labor, materials, equipment, or over the Contractor's
 methods of determining prices or over competitive bidding or market conditions. Opinions of probable
 costs are based on the information known to consultant at this time and represent only the consultants's
 judgment as a design professional familiar with the construction industry. The consultant cannot and
 does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of
 probable costs.

Task 5.0 PHASE 1 & 2: Permitting Assistance

Task 5.1 Permitting Assistance - The SUB-CONSULTANT shall provide the PBCWUD with exhibits and information needed to assist the PBCWUD in acquiring PBC Traffic, ROW and/or PZ&B permits.

Project Pricing

We have developed a time and materials budget for the WUD 24-026 project, based on our understanding of the scope provided.

The T&M not-to exceed fee for EDS to provide the scope of work tasks and services shall be \$32,852.16, based on Attachment E.

We appreciate the opportunity to provide this proposal and look forward to working with you. Should you have any questions, please do not hesitate to contact us.

Respectfully Submitted,

Craig McKenzie, P.E. President/Principal Engineer Engineered Design Services LLC

Offer Accepted by:

Signature:

Date: 7/1/24

WRIGHT PSM

Scope of Work

GPR Survey surrounding 14 well sites in West Delray Beach, Palm Beach County, Florida

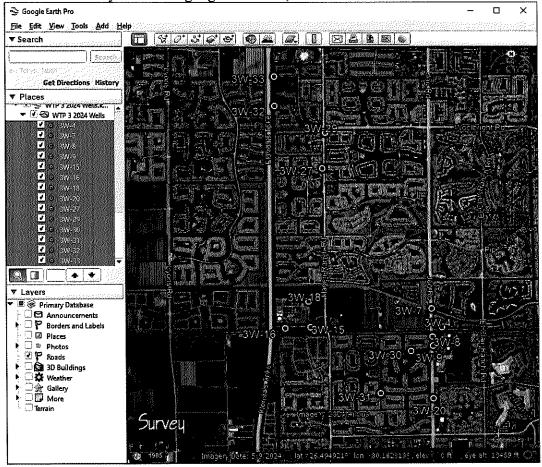
Prepared by: WrightPSM, LLC (this firm) 2225 53rd Ave Vero Beach, FL 32966 WrightPSM Job# 24-0160

Submitted to: JLA Geosciences, inc (client) Attn: Cali Guenov | CGuenov@jlageosciences.com 1907 Commerce Lane, Suite 104 Jupiter, Florida 33458 (561) 746-0228 ext. 109 (office)

Project description:

Client contacted WrightPSM for a proposal and cost for professional services to locate and map any detectable subsurface anomalies within a 150-foot radius at each of fourteen (14) well locations. Subsurface voids, sink hazards, and possible areas of collapse are targeted.

Survey Area: All 14 well sites are located in West Delray Beach, Palm Beach County, Florida. Locations were identified by client in a google earth file, screenshot below.



1

The survey design will be at the discretion of WrightPSM, as dictated per site conditions and interpretations made on each specific well site.

Ground Penetrating Radar (GPR) is to be the expected survey method, with antenna frequency to be determined by soil conditions at time of survey. Straight-line and crossing 2-dimensional transects will be performed where possible, although other survey geometries may be used as needed, including transects radiating from the well head or meandering lines across the survey area.

For each site, a sketch will be made showing substantial above surface features and GPR survey tracks noted. If any anomalies or hazard zones are detected, those will be shown on the sketch. Post processing of the GPR data may be required to properly image any identified hazard zones.

Deliverables:

Deliverables for each site to include a sketch of survey transects and notes of any subsurface conditions discovered during the survey. Screenshots of radargrams may be provided if deemed necessary to illustrate any hazard areas found. Raw radar files may be provided if requested.

Timeframe:

Expected turnaround time for the survey, covering data acquisition, data processing and report prep is expected to be a total of 8-10 weeks from notice to proceed to final deliverables, weather or other conditions permitting.

Additional work:

If deemed necessary, client may add additional sites as needed. Given the site is within the project area, having a similar scope of work, and identified prior to end of fieldwork, the same per-site cost will apply. If additional sites are requested after fieldwork has completed, a new estimate will be provided.

Disclaimer:

Client understands that the geophysical methods outlined here have certain limitations. Wooded areas, conductive soils, and dirty or debris filled soils are especially problematic for GPR, and may obscure targeted anomalies. Note that both false-positive and false negative tests are possible when using only geophysical methods. It is recommended to confirm the existence or lack of hazards through direct methods as well as geophysical methods when possible.

Safe and practical physical access to survey areas is also necessary; for example, surveys will not be performed in heavily trafficked travel lanes requiring FDOT MOT, areas not safe to walk, or by boat under this contract.





September 16, 2024

Rani K. Smith, P.G. Principal Hydrogeologist JLA Geosciences, Inc. 1907 Commerce Lane, Suite 104 Jupiter, Florida 33458

Re: Palm Beach County Water Utility Department – Water Treatment Plant Number three (3) Wellfield Improvements

Dear Rani,

Pursuant to your request, Barnes, Ferland & Associates, Inc. (BFA) is pleased to submit our proposal for professional survey services for the above noted project located in Palm Beach County's Water Treatment Plant Number 3. As we understand your request a Quality Level A - Utility Locate is required of the area.

Scope of Services:

Utility Location

Excavations are included in this proposal including twenty (20) soft digs. All test holes will be staked and graded by Barnes, Ferland and Associates, Inc. Excavations will provide the horizontal and vertical location of the utility as well as the size, type, material and general condition of the utility. A detailed Test Hole Report will be made for the excavation that will show a semi-permanent mark set directly above the utility for survey location. The sketch will show the measurement from the mark to the top of the utility with reference ties to nearby features to aid in the recovery of the mark. All other information obtained will also be in the sketch or Civil 3D drawing.

Please see attached Exhibit "A" Limitations regarding underground utilities.

Sunshine 811 will be contacted for a location ticket prior to excavation as required by Florida Statute 556.106. This should result in utilities being designated (marked) by the appropriate utility company. BFA will perform additional designation to verify utility markings by others and identify any that are not marked.

Please see attached Exhibit "A" Limitations regarding underground utilities.

Project Datum: The horizontal datum will be the Florida State Plane Coordinate System, East Zone, NAD 83/2011. Elevations will be in North American Vertical Datum of 1988 (NAVD 88).

1230 Hillcrest Street • Orlando, Florida 32803 Office (407) 896-8608 • Fax (407) 896-1822

Deliverables: Test Hole Reports.

<u>Fee Estimate</u>: See the attached spreadsheet for the fee estimate to provide you with the above-described Scope of Services and Deliverables.

Schedule: We are prepared to commence work within ten (10) working days of written notice to proceed.

Please let us know if you have any questions or concerns.

Sincerely,

Esteban Jimenez-Colon, P.S.M. Survey / S.U.E. Division Manager



Exhibit "A" Limitations

Subsurface Utility Engineering (SUE) services are utilized to identify and document the underground utility installations as stipulated in the scope of services and by contractual agreement. As in all disciplines, there are limitations of equipment, technology, and personnel. The following describes, but is not limited to, the limitations usually encountered.

• Impervious subsurface material: Rock, below a depth of 3 feet. BFA will use pneumatic techniques to remove rock and pavement up to a depth of 3 feet. Below that depth we will rely solely on remote sensing and disclaim definitive results.

Groundwater: BFA will make every reasonable attempt to definitively identify depth, size and type of underground utilities where groundwater is present. There are situations where groundwater will make visual inspection impracticable. We will use manual sensing to make the most reasonable measurements under these conditions, but it is understood that without direct visual confirmation the measurements and characteristic are limited to 'closely approximate'.
Depth: Direct visual observation is limited to 7 feet under ideal conditions and diminishes as conditions deteriorate. Below 7 feet manual sensing is used to determine physical characteristics. Size by manual sensing is generally reliable, but the physical characteristics (type) of utility is

dependent on too many variables to be considered definitive.
There may be utilities that do not transmit electronic signals, that have not been made known to BFA, or that have no evidence at or above ground level. These utilities may not be detected or located.

• Ownership of underground utilities is not evident by observation of the buried utility. Every reasonable attempt will be made to determine ownership. Subsurface Utility Engineering (SUE) services do not include sanitary sewer installations/structures (gravity), or storm water lines/structures (gravity). However, the location of these utilities may be negotiated as a specific additional service.

• Consultant or Client Instructions: The Consultant or the Client may, from time to time, issue instructions or modify the scope of work. Any such instructions or modifications will be written and accepted by both parties prior to implementation.

If the Consultant or Client has plans, surveys, or other documentation that might assist in determining what utilities are present, they will be provided. As part of the Quality Assurance process, completed plans showing data derived from BFA's services will be submitted for review and confirmation if requested.

BFA's services are intended as an aid to the designers of this project, and it may affect actual construction operations. The information provided by BFA is based, in part, upon data furnished by utility owners and their representatives, or by the Consultant or Client.



CENTERLINE DRILLING

Centerline Drilling, Inc.

1696 Old Okeechobee Rd., #3C West Palm Beach, Florida 33409 Water Well Contractor License #11132

Estimate

Date	Estimate #
6/26/2024	17-837

Name / Address	
JLA Geosciences, Inc. 1907 Commerce Lane, Suite 104 Jupiter, Florida 33458	

		Project						
		PBCWUD WTP 3						
Desc	ription G	ty	Rate	Total				
" Pilot Holes / 2" Test Well (p ogging ermit, Well Completion Report		4 4 4	27,550.00 1,950.00 500.00	110,200.00 7,800.00 2,000.00				
hank you for the oppo Phone #	ortunity to bid this job. E-mail		Fotal	\$120,000.00				
· · · · · · · · · · · · · · · · · · ·								

ectrical, water testing, water Use Permit, excessive insurance, bend, prevailing wages, or anything not listed above. I material & equipment, and 90 days on labor. Estimate is Valid for 10 Days.

Signature and Acceptance





Ms. Rani K. Smith, P.G. JLA Geosciences, Inc. 1907 Commerce Lane, Suite 104 Jupiter, FL 33458

Re: PBCWUD Water Treatment Plant Number Three (WTP 3) Wellfield Capital Improvements Project Fourteen (14) Well Locations – Topographic and Tree Surveys

Dear Rani:

Thank you for the opportunity to provide you with the following services for the subject site. This proposal is based on documentation and information provided by your office. The scope of services is as follows:

SCOPE OF SERVICES

I. HORIZONTAL & VERTICAL PROJECT NETWORK CONTROL

The surveys will be oriented to Palm Beach County horizontal control (NAD 83/11 Adjustment). We will utilize the vertical control from the survey previously prepared Palm Beach County Survey Department "Well Site Project – Benchmark Installation Wellfield No. 3". Elevations will be in North American Vertical Datum of 1988.

II. TOPOGRAPHIC SURVEY

We will perform a specific purpose / topographic survey for fourteen (14) well locations. For Wells 3W-7, 3W-8, 3W-9 and 3W-20, the limits will be 150' radius from the wellhead. For the remaining ten (10) well sites, the limits will be the immediate well site area/lot to the nearest structure. The survey shall include the following: location of visible fixed improvements within the proposed project limits/right-of-way, including physical objects, drainage swales, native trees, signs, fences, power poles; location of above ground existing utilities; elevations obtained to indicate existing grades; location of Palm Beach County located underground utilities – pipes, valves, etc.; and reference benchmarks. No boundary work is proposed. We will show boundaries utilizing the Palm Beach County GIS database. We anticipate access to be an issue for some of the wells that are in gated communities.

The fourteen (14) wells to be surveyed include: 3W-4, 3W-7, 3W-8, 3W-9, 3W-15, 3W-16, 3W-18, 3W-20, 3W-27, 3W-29, 3W-30, 3W-31, 3W-32, 3W-33.

III. TREE SURVEY

All surveyed sites shall also include the location of all native trees 2-inch diameter at breast height (DBH) or larger, including species, DBH, approximate height, and canopy spread. We will locate and tag native trees 2 inches in diameter or larger. Trees will be measured at breast height, and palms will be measured at clear trunk height. Hedges and ground cover will not be located or shown on the survey. Exotic trees such as Melaleuca, Brazilian pepper and Australian pine will not be located or shown on the survey. We will identify the various types of trees located on this site based on common knowledge of tree species. A qualified landscape architect should be employed for positive identification of tree species. We will then produce a drawing showing all the trees located. We will provide you with signed and sealed hard copies and an AutoCAD file of the trees located.

1860 Old Okeechobee Road • Suite 509 • West Palm Beach, Florida 33409 (561) 615-3988 • Fax (561) 615-3991 M:\PROPOSALS\BY COMPANYJLA Geosciences\WTP 3 Wellheld Capital Improvements\WTP Wellheld Capital Improvements (4 Well Locations - topographic and tree surveys.doc Smith June 6, 2024 Page 2

IV. CLOSURE

Drawings will be produced which will show all the features located. We propose to provide JLA Geosciences with hard copies, a digitally signed PDF file, and an AutoCAD file in the version requested. We will perform the scope of services for a **lump sum fee of \$47,998.20** for the topographic surveys (\$3,603.30 for each of wells 3W-7, 8, 9 and 20, and \$3,358.50 for each of the remaining 10 well sites) and **\$16,932.00** for the tree surveys (\$1,101.00 for each of wells 3W-7, 8, 9 and 20, and \$1,252.80 for each of the remaining 10 well sites), see Attachment 'A' for an hourly breakdown. Any additional work will be done on an hourly basis as approved by you. Please do not hesitate to call me with any questions you might have regarding this proposal. We look forward to working with you on this project.

Brown & Phillips, Inc.

ohn E. Philly El

John E. Phillips III, P.L.S. Principal

Attachment

By: _ Geosciences, Inc. James L. Andersen Print Name:

This Proposal accepted this ____ day of __July__, 2024

Title: President

M:/PROPOSALS/BY COMPANY/JLA Geosciences/WTP 3 Wellfield Capital Improvements/WTP 3 Wellfield Capital Improvements 14 Well Locations - topographic and tree surveys.doc

JEP/mb

PALM BEACH COUNTY SUPPLEMENT TO DEP APPLICATION FOR INSTALLATION OF SEWAGE COLLECTION/TRANSMISSION SYSTEM

INSTRUCTIONS: To Engineer/Applicant. Please enclose a drawing showing the entire routing of the sewage from the project in question and identify each set of lines by ownership/maintenance responsibility to the inlet at the Regional Plant.

In each situation, the engineer and the entity, developer, utility(s) etc. are responsible for the adequacy of the system they are signing for being able to handle the existing and proposed flow. This form should be completed in its entirety indicating N/A where not applicable, and crossing out or adding words as necessary to clearly indicate the situation.

Thank you for your cooperation. Use of the form should allow much faster processing of Applications by all of the parties involved.

ACCEPTANCE FOR INSTALLATION OF SEWAGE COLLECTION/TRANSMISSION SYSTEM

1. Applicant

I, the owner/authorized representative of _____Minto PBLH, LLC

am fully aware that the statements made in this application for approval of wastewater collection/transmission facilities are true, correct and complete to the best of my knowledge and belief. Further, I agree to retain the design engineer, or another professional engineer registered in Florida, to provide observation of construction and, if applicable, the initial three months of operation of the facility. I also agree to maintain and operate the facilities in compliance with the provisions of Chapter 403, Florida Statutes, and applicable rules and regulations of the Department of Environmental Regulation; I understand that an approval, if granted by the Department, is nontransferable and will promptly notify the department upon sale or legal transfer of the approved facilities.

Signed	Date 10/4/2024
Name and Title John F. Carter, Sr.Vice President	
2. Applied for lines to be owned, operated and ma	intained by:

2. Applied for lines to be owned, operated and maintained by:

Seminole Improvement District	
who has reviewed the project and agrees to accept the system.	
Signed	Date
Signed Name and Title Scott Massey, President	

3. Lines in 2 to discharge into the Lake Worth, Palm Beach, Palm Beach County, Riviera Beach or West Palm Beach, or <u>Palm Beach County</u> system (indicate one) which has adequate excess capacity to handle the proposed project.

Signed ______Date _____ Name and Title Jackie Michels, P.E., Plan Review Manager - Palm Beach County Water Utilities

4. Lines in 3 to discharge into the Lake Worth, Palm Beach, Palm Beach County, Riviera Beach or West Palm Beach system (indicate one) which has adequate excess capacity to handle the proposed project.

Signed		Date	
Name and Title			
PBCHD 62-604 Supplement Revised 1/12/2007	1		**** ********************************

PALM BEACH COUNTY SUPPLEMENT TO DEP APPLICATION FOR INSTALLATION OF SEWAGE COLLECTION/TRANSMISSION SYSTEM

5. Lines in 4 to discharge into the Lake Worth, Palm Beach, Palm Beach County, Riviera Beach or West Palm Beach system (indicate one) which has adequate excess capacity to handle the proposed project.

Signed	Date
Name and Title	

6. Lines indicated in 5 discharge into the Lake Worth, Palm Beach, Palm Beach County, Riviera Beach or West Palm Beach system (indicate one) which agrees to accept and has capacity for the project flow.

Signed ______Date _____ Name and Title

7. Responsibility for <u>treatment capacity</u> for the applied for collection transmission system is accepted by and to be charged against the capacity of the Lake Worth, Palm Beach, Palm Beach County, Riviera Beach or West Palm Beach system which has adequate reserve treatment capacity to treat the subject flow.

Signed	Date	
Name and Title		
Suzanne Berglund, P.E Public Utility Engineer		
(Regional Treatment Facility)		

PBCHD 62-604 Supplement Revised 1/12/2007 2

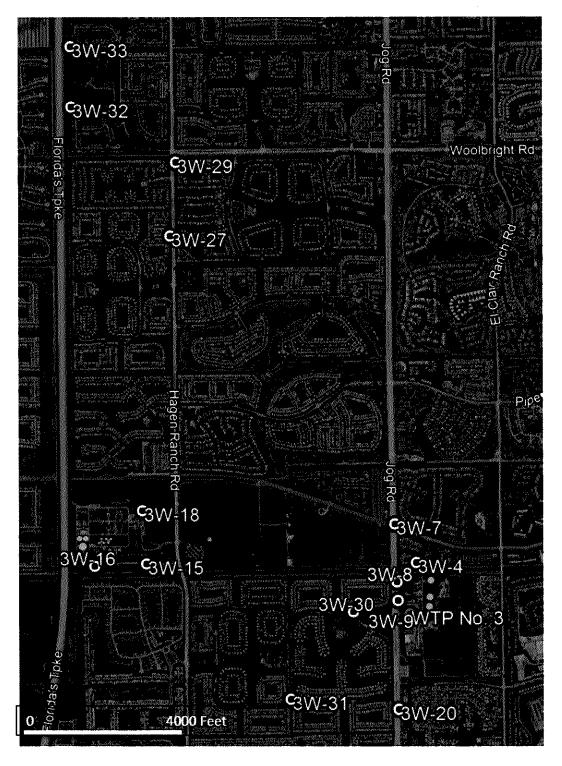
Contract f Consultan									
Project Tit	Palm Beach County Water Utilities Department Contract for Consulting/Professional Services « Lift Station Rehabilitation Consultant Services Authorization Resolution No, <u>2</u> Contract Dated <u>5/18/2021</u> Project Title: Lift Station Rehabilitation Bid Package 4, PBCWUD Project No.: <u>21-087</u>								
······	ļ]								
DESCRIPTION	% Spent to Date								
TASK 2 - UTILITY LOCATES									
Inc. 2.1 - Utilities Designates	<u>99.71%</u> 24.33%								
······	65.63%								
	65,63%								
Inc. 2.1 - Utilities Designates Inc. 2.2 - Utilities Excavations									

	Ritzel Mason, Inc.									
	Palm Beach County Water Utilities Contract for Consulting/Profession Consultant Services Authorization Project Title: Lift Station Rehabilita	al So Reso	ervices - Lift : olution No		<u>2</u> C	ontr	act Dated 5/1	8/20;	21	
			LABOR							
FIRM	DESCRIPTION TASK 2 - UTILITY LOCATES	Tot	al Task (Budg	To	tal Previously	Bill	ed this Period	Tol	al Billed to Date	% Spent to Date
Ritzel Mason, Inc.	2.1 - Utilities Designates	\$	37.880.00	5	37,770.00	\$		\$	37,770,00	99.71%
Ritzel Mason, Inc.	2.2 - Utilities Excavations	\$	31,255.00	\$	1,283.75	_	6,320,50	\$	7,604.25	24.33%
	Total Task 2	\$	69,135.00	\$	39,053.75	\$	6,320,50	\$	45,374.25	65.63%
		\$	69,135.00	\$	39,053.75	\$	6,320.50	\$	45,374.25	65.63%

ATTACHMENT 2

Location Map

PBCWUD Project No. 24-031



Print Date 7/16/2024 12:11:14 PM

Attachtment 3

Page 1 of 1

Palm Beach County Compliance Summary Report

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00002556	JLA Geosciences, Inc.	Modified	Compliant					23-026	Contract For Consulting/Professional Services Utility Hydrogeologic Engineering Services
		Ar , XV	Old Dominion Insurance Company	CA00024541	4/22/2024	4/22/2025	Auto Liability		
		Ar , XV	Crum & Forster Specialty Insurance Company	EFX125151	4/23/2024	4/22/2025	Excess Liability		
		Ar , XV	Crum & Forster Specialty Insurance Company	EPK143580	4/22/2024	4/22/2025	General Liability		
		Ar , XV	Crum & Forster Specialty Insurance Company	EPK147570	4/22/2024	4/22/2025	Professional Liability		
		A-r , XV	Associated Industries Insurance Company, Inc.	AWC1206349	5/8/2024	5/8/2025	Workers Comp		
Risk Profile :	Standard - Professional Serv	rices							
Required Additional Insured :	Palm Beach County Board of	f County Commissior	iers						
Ownership Entity :									

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