

TASK ORDER No. 3

**CONTINUING PROFESSIONAL SERVICES
(Hydrogeological)**

THIS TASK ORDER FOR CONTINUING PROFESSIONAL SERVICES (“Task Order”) is made on the day of _____, between the **City of Lake Worth Beach**, a Florida municipal corporation (“City”) and **JLA Geosciences, Inc.** a State of Florida, CORPORATION (“CONSULTANT”).

1.0 Project Description:

The City desires the CONSULTANT to provide those services as identified herein for the Project. The Project is described in the CONSULTANT’s Proposal, dated July 18, 2024 and services are generally described as: **Surficial Aquifer Water Quality Profile Well and Replacement Monitor Well** (the “Project”).

2.0 Scope

Under this Task Order, the CONSULTANT will provide the City of Lake Worth Beach Water Utilities with civil engineering related to water consulting services for the Project as specified in the **CONSULTANT’s proposal attached hereto and incorporated herein as Exhibit “1”**.

3.0 Schedule

The services to be provided under this Task Order shall be completed within 90 calendar days from the City’s approval of this Task Order or the issuance of a Notice to Proceed.

4.0 Compensation

This Task Order is issued for a lump sum amount of **\$56,318.00**. The attached proposal identifies all costs and expenses included in the lump sum.

5.0 Project Manager

The Project Manager for the CONSULTANT is James L. Andersen, phone: (561) 746-0228; email: jandersen@jlageosciences.com; and, the Project Manager for the City is Garry Baker, 561-586-1713, gabaker@lakeworthbeachfl.gov.

6.0 Progress Meetings

The CONSULTANT shall schedule periodic progress review meetings with the City Project Manager as necessary but every 30 days as a minimum.

7.0 Authorization

This Task Order has been issued under the existing CCNA agreement for geotechnical services. This Agreement has been competitively bid under RFQ#23-300. If there are any conflicts between the terms and conditions of this Task Order and the Agreement, the terms and conditions of the Agreement shall prevail.

IN WITNESS WHEREOF, the parties hereto have made and executed this Task Order No. 3 as of the day and year set forth above.

CITY OF LAKE WORTH BEACH, FLORIDA

By: _____
Betty Resch, Mayor

ATTEST:

By: _____
Melissa Ann Coyne, MMC, City Clerk

APPROVED AS TO FORM AND
LEGAL SUFFICIENCY:

APPROVED FOR FINANCIAL
SUFFICIENCY

By: _____
Glen J. Torcivia, City Attorney

By: _____
Yannick Ngendahayo, Financial Services Director

CONSULTANT: **JLA GEOSCIENCES, INC.**



By: _____
James L. Andersen, President

THE FOREGOING instrument was acknowledged before me by means of physical presence or online notarization on this 25th day of October 2024 by James L. Andersen, as the President [title] of JLA Geosciences Inc a company authorized to do business in the State of Florida, who is personally known to me or who has produced _____ as identification, and who did take an oath under penalty of perjury that the facts stated with regard to section 787.06, Florida Statutes, are true and correct, and that he or she is duly authorized to execute the foregoing instrument and bind JLA Geosciences Inc to the same.

Notary Public Signature

Notary Seal:

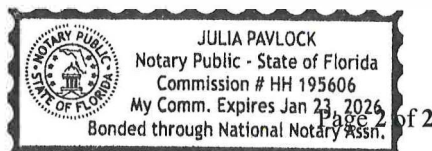


EXHIBIT A
City of Lake Worth Beach
Surficial Aquifer Water Quality Profile Well and Replacement Monitor Well

		Labor Classification and Hourly Rate												
Task Number	Task Description	Proj. Mng. President	Principal Hydro. / C.O.	Senior Hydro III	Senior Hydro II	Senior Hydro I	Hydro III	Hydro II	Hydro I	Hydro. Tech.	Admin.	Principal Modeling	Sub Consultant Services	TASK TOTAL
1	Identify and Select Proposed Well Site	2	2		8									\$2,478
2	Water Quality Profile Well and Replacement Monitor Well Design, Bidding		4		12									\$3,208
3	Construction Phase Services		4		24			90						\$17,974
4	Well Completion Technical Memorandum	2	8		12									\$4,658
	<i>Subcontractor - Mock Roos</i>												\$28,000	\$28,000
	Total Tasks	4	18	0	56	0	0	90	0	0	0	0	\$28,000	\$56,318
	Labor Subtotal Hours	4	18	0	56	0	0	90	0	0	0	0	\$28,000	
	Labor Hourly Billing Rates	\$249	\$238	\$214	\$188	\$162	\$151	\$139	\$128	\$92	\$100	\$238		
	Labor SubTotal	\$996	\$4,284	\$0	\$10,528	\$0	\$0	\$12,510	\$0	\$0	\$0	\$0	\$ 28,000.00	
	Labor Total													\$56,318.00
	Expenses													\$0.00
	Project Total													\$56,318.00

JLA Geosciences, Inc.

HYDROGEOLOGIC CONSULTANTS

1907 Commerce Lane, Suite 104
Jupiter, Florida 33458
(561) 746-0228
fax (561) 746-0119

July 18, 2024

Ms. Vaughn Hayduk
City of Lake Worth Beach, Water Utilities
301 College Street
Lake Worth Beach, FL 33460

RE: Proposal for Hydrogeologic Consulting Services for the City of Lake Worth Beach Water Utilities – Surficial Aquifer Water Quality Profile Well and Replacement Monitor Well

Dear Ms. Hayduk:

JLA Geosciences, Inc. (JLA) is pleased to have the opportunity to provide our services to the City of Lake Worth Beach (City) in assisting with the construction and testing of one (1) proposed temporary water quality profile well and one (1) proposed permanent monitoring well. Both wells will be completed within the surficial aquifer system (SAS). This scope has been developed to assist with the replacement of the City's SAS Monitor Well #9, which has been damaged and no longer serves its intended purpose. The City requires representative data from the replacement monitor well for compliance with the South Florida Water Management District (SFWMD) consumptive use permit. The profile well will serve to provide water quality of the SAS to assist with the determination of the location of the 250 mg/L isochlor line and the design of the replacement monitor well.

JLA's scope of work would include the following:

TASK 1.0 – Identify and Select Proposed Well Site – JLA shall assist the City in gathering information and data to suitably locate the profile well and the replacement monitor well. It is presumed that the profile well and the replacement monitor well will be located on the same City-owned site, in order to obtain representative water quality data from the profile well as it relates to the proposed monitor well. Factors to consider in the selection of a suitable well site include the proximity of the well to the best-known location of the 250 mg/L isochlor line (saline front), in addition to the proximity of the well site to the City's existing SAS production wells. Other factors to consider include the availability of potable water supply and discharge area, open property with ingress and egress and property ownership.

Professional and support services (time and expenses not to exceed) \$2,478.00

TASK 2.0 – Water Quality Profile and Replacement Monitor Well Design – JLA will prepare technical specifications for the construction of one temporary 2-inch diameter water quality profile well and one 2-inch permanent monitor well. Work to be completed under this task includes:

Proposal to Lake Worth Beach

July 18, 2024

Page 2 of 3

- Prepare technical well construction specifications to obtain bids from State of Florida certified water well contractors for a temporary water quality profile well and permanent monitor well at the selected site. The profile well will be used to evaluate water quality data with depth between approximately 150 feet and 300 feet below land surface.
- Monitor well specifications will include a screen and gravel pack design, based on the water quality profile well findings.
- Recommended award to the best qualified bidder.

Professional and support services (time and expenses not to exceed) \$3,208.00

TASK 3.0 – Construction Phase Services – JLA will provide hydrogeologic observation services, hydrogeologic direction and well design/construction expertise during construction of one SAS water quality profile well and one SAS monitor well. Work to be completed under this task includes:

- JLA will be responsible for geologic and water quality data sampling and measurements, geophysical logging and interpretation of the geophysical logs (if required), and preparation of recommendations for the permanent monitor well construction. Water quality testing of the profile well will include field analysis of iron, chloride, specific conductance, temperature, turbidity, hydrogen sulfide, and pH. Other parameters may be included for independent, concurrent testing by the City.
- A JLA hydrogeologist will be present on site during critical phases of the profile well and monitor well construction including bore hole drilling, casing installation, cement grouting, and water quality testing. JLA shall recommend constructed depths of bore holes, casing, and screen interval(s).
- JLA will provide hydrogeologic observation services and direction during the abandonment of the water quality profile well.

Professional and support services (time and expenses not to exceed) \$17,974.00

TASK 4.0 – Well Completion Technical Memorandum – JLA will prepare lithological logs and complete geologic interpretations, review well construction field logs, and complete an analysis of all hydrogeologic and water quality field data. JLA will prepare a brief well completion technical memorandum including figures, data tables, and water quality data.

Professional and support services (time and expenses not to exceed) \$4,658.00

SUBCONSULTING SERVICES – JLA will utilize Mock, Roos & Associates (MR) to provide engineering design and bid phase services throughout this project. MR scope of services is provided in detail in Exhibit B.

Professional and support services (time and expenses not to exceed) \$28,000.00

TOTAL COST ESTIMATE \$ 56,318.00

Proposal to Lake Worth Beach

July 18, 2024

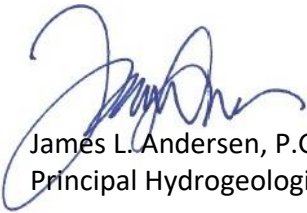
Page 3 of 3

This proposal was prepared based on the information provided to date and our understanding of the project. If you feel that we have omitted anything or have not clearly defined the anticipated scope of work, we will gladly review additional information, and modify the scope and associated costs accordingly. We appreciate the opportunity to work with the City on this important project.

If you have any questions please don't hesitate to call me.

Sincerely,

JLA Geosciences, Inc.

A handwritten signature in blue ink, appearing to read 'James L. Andersen', is written over the typed name and title.

James L. Andersen, P.G.
Principal Hydrogeologist/President

jla/ads/rks



**Proposal to Provide Professional Engineering Services for
Lake Worth Beach
Surficial Aquifer Water Quality Profile Well and Replacement Monitor Well**

A. Project Description:

The City of Lake Worth Beach has requested that JLA and Mock•Roos provide engineering services including design, bidding, and engineering during construction services to assist the City with the installation of a new Surficial Aquifer Water Quality Profile Well and Replacement Monitor Well. This new installation will replace the existing monitoring Well No. 9 (Lake Worth SA Well 9 AAJ0613).

Mock•Roos will provide the Scope of Services outlined below.

B. Scope of Services:

Task 1 – Design and Bid Phase Services

- A. Prepare exhibits and attend a coordination/kickoff meeting with the City of Lake Worth Beach staff and JLA to identify the location of the proposed replacement monitoring well.
- B. Coordinate with the utility companies and request they provide record information for the utilities that they have located within the limits of the proposed project. Incorporate contact information for each utility into the construction documents. Utility locates are not included with the design.
- C. Develop construction documents 90-percent (drawings, specifications, and an engineer's opinion of probable construction cost). Existing elevations will be based on available LIDAR data supplemented with record information to be furnished by the City, survey is not included in the design. The design will show the general intent with sufficient detail for the contractor to permit the drawings and the City to use the drawings to bid the project.
- D. Attend a review meeting with City Staff to discuss the 90-percent submittals.
- E. Incorporate comments from the review meeting into the construction documents. Prepare and submit 100-percent (final) contract documents to City staff for use bidding the project. The 100-percent submittal will include construction drawings, specifications, an Engineer's Opinion of Probable Construction Cost, and Schedule of Values. Provide the City with up to two hard copies (100-percent contract documents) and an electronic copy of contract documents for City use bidding the project.
- F. Provide services related to Project Management, coordination and quality control of the project and project products. These services include general coordination with the City, JLA, its consultants and internal reviews of deliverables.
- G. Assist the City with preparing an Invitation to Bid (ITB) including providing a recommendation for the schedule of values, construction duration, minimum experience requirements, and liquidated damages. Provide the City with up to two hard copies of the signed and sealed drawings and an electronic copy of contract documents for City use.
- H. At the City's request, attend a pre-bid meeting for project. Assist the City respond to RFI's pertaining to the project for the addendum.

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- I. At the City's request, assist the City review and evaluate bid submittals for the project and provide City with Letter of Recommendation for Award of the project.
- J. Coordinate with the City, Contractor, and JLA, including up to one site visit and construction meeting. The construction is anticipated to last 90 days, with up to 2 weeks of active onsite construction. This subtask includes 8 hours of engineering time.


C. Fee and Rates:

The total fee to provide the Scope of Services outlined above is estimated to be \$28,000. Mock•Roos will complete the Scope of Services on a lump sum basis. Additional services can be provided on an hourly basis at Mock•Roos' hourly rates, plus reimbursable expenses.

D. Conditions:

This proposal is valid for 120 days of the date below. If the services are not authorized within this time frame, the fee is subject to revision.

MOCK•ROOS

Signed:  _____

Name: Garry G. Gruber, P.E.

Title: Senior Vice President

Date: July 18, 2024