

# JLA Geosciences, Inc.

HYDROGEOLOGIC CONSULTANTS

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March 4, 2025,

**Via Electronic Mail**

Gustavo Vergara, CPRE  
Parks, Recreation & Conservation  
Operations and Programs Assistant Director  
1590 9<sup>th</sup> St SW  
Vero Beach, FL 32962

**RE: *Proposal for Indian River County, Parks, Recreation & Conservation Department, Gifford Aquatic Complex, Heat Exchange System UFA Supply and Return Well Siting, and Design Phase Services***

Dear Mr. Vergara:

JLA Geosciences, Inc. (JLA) is pleased for the opportunity to assist Indian River County Parks, Recreation and Conservation Department (IRC) with hydrogeologic consulting services. The IRC Gifford Aquatic Complex (GAC) operates a closed loop heat exchange system to regulate water temperature utilizing water from the Surficial aquifer system (SAS). The SAS supply and return wells have been replaced multiple times over the years and have never performed satisfactorily due to low production and subsequent fouling of the heat exchange system. Currently the GAC heat exchange system is inoperable due to chronic issues associated with SAS supply well. IRC is requesting JLA's assistance with replacing the SAS wells with an Upper Floridan Aquifer (UFA) supply and return well similar to the North County Aquatic Complex heat exchange system.

Outlined below are the specific tasks included in our proposed scope of work, along with the associated costs for your thorough review and consideration. Our dedicated team is committed to delivering outstanding results, ensuring the project maintains the highest standards of quality.

**1.0 GAC UFA Supply and Return Well Siting and Design** – Provide hydrogeologic services, for siting and design of UFA heat exchange system supply well and return well at the IRC GAC to replace the existing SAS wells.

- Well siting will include desktop review of existing UFA well construction information in the area to determine proposed well construction details and assist with pricing from well drilling contractors, review of site plans to be provided by IRC to identify potential locations for a new UFA supply well and UFA return well to replace the existing SAS wells. Following the desktop review and identification of potential locations, JLA will meet with

IRC staff onsite to finalize the new well location(s). Replacement well siting will take into account site access, pipeline re-routing and site constructability. Well drilling and testing will be performed by a State of Florida certified water well drilling contractor. Civil and mechanical design work associated with the well pipeline, electrical and connection to existing heat exchange system is not included in this scope.

- JLA will develop a well construction sequence and design criteria for one (1) UFA supply well and 1 UFA return well to generate pricing. Design and pricing will be based off of the Town of Jupiter (TOJ) Well Rehabilitation and Maintenance contract that has been Piggybacked by IRC to complete this work.

Outlined below are the specific tasks included in our proposed scope of work, along with the associated costs for your thorough review and consideration.

TASK	COST
1.0- UFA WELL SITING, PERMITTING, AND DESIGN	\$9,026.00
PROJECT TOTAL	\$9,026.00

### Schedule

JLA understands the importance of expediting this evaluation. As such, following authorization, JLA will begin immediately with the well siting and design to facilitate the start of well construction. Task 1 well siting and design will be provided within 60 days of authorization.

### Assumptions

- Existing Town of Jupiter Wellfield Rehabilitation and Maintenance contract with Centerline Drilling will be piggybacked by the IRC to perform the proposed well construction work.
- Permitting costs if required are not included in this scope of work.
- Certifications by a State of Florida Professional Engineer if required are not included in this scope of work.

This proposal has been carefully prepared using the information provided and our understanding of the project. If there are any additional details or specific requirements that we may have inadvertently overlooked, we would be more than happy to review any additional information provided. Our aim is to ensure that the scope of work and associated costs align with your expectations and project goals.

Proposal to Gustavo Vergara, CPRE

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Thank you once again for considering our services. We look forward to continuing our collaboration with you on this project.

Sincerely,

**JLA Geosciences, Inc.**

A handwritten signature in blue ink, appearing to read 'Jon Friedrichs', with a stylized, flowing script.

Jon Friedrichs, P.G.

Principal Hydrogeologist

ATTACHMENT A  
BUDGET SUMMARY

Client: Indian River County Parks, Recreation & Conservation  
Consultant: JLA Geosciences, Inc.  
Project Title: Gifford Aquatic Complex Floridan Well Relocation and Design Phase Services

		Labor Classification and Hourly Rate														
Task No.	Task Description	President	Prin./Hydro Corp. Officer	Prj. Manager Sr Hydro III	Senior Hydro II	Senior Hydro I	Hydro III	Hydro II	Hydro I	Hydro Tech	Admin / Tech	Total Labor	Mileage (\$0.67/mi)	ODC	Sub Consultant Services	TASK TOTAL
1.0	Replacement well Siting and Design															
	Coordination, planning and meetings with IRC and Well contractor. Identify locations for new UFA supply well and return well to replace existing SAS well system.		8.0		8.0								\$ 146.00			\$ 3,626.00
	Replacement well design and sequence of work/specifications.		4.0		16.0	8.0										\$ 5,400.00
	Subtotal Task 1.0	0.0	12.0	0.0	24.0	8.0	0.0	0.0	0.0	0.0	0.0	44.0	\$ 146.00	\$ -	\$ -	\$ 9,026.00
	Subtotal Task 2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	\$ -	\$ -	\$ -	\$ -
	Labor Subtotal Hours	0.0	12.0	0.0	24.0	8.0	0.0	0.0	0.0	0.0	0.0					
	Labor Hourly Billing Rates	\$ 249.00	\$ 238.00	\$ 214.00	\$ 197.00	\$ 162.00	\$ 151.00	\$ 139.00	\$ 128.00	\$ 112.00	\$ 92.00					
	Labor Subtotal	\$ -	\$ 2,856.00	\$ -	\$ 4,728.00	\$ 1,296.00	\$ -	\$ -	\$ -	\$ -	\$ -					
	Labor Total															\$8,880.00
	Mileage/ODC															\$146.00
	Subconsultant Total															\$0.00
	Project Total															\$9,026.00

Please be advised that the rates outlined in this proposal are valid for a duration of 90 days from the date of this proposal's issuance. After this period, adjustments to the rates may occur to accommodate annual rate increases