

# JLA Geosciences, Inc.

HYDROGEOLOGIC CONSULTANTS

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

July 21, 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  
Coordination, Permitting and Construction 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 **Coordination and Permitting** – Provide hydrogeologic services, for coordination with IRC and well drilling contractor for the St. Johns River Water Management District (SJRWMD) well construction permitting for the replacement UFA heat exchange system supply and return wells at the IRC GAC.
- 2.0 **Construction Phase Services** – Provide hydrogeologic observation services, hydrogeologic direction and well design/construction implementation during construction of one (1) replacement UFA heat exchange system supply well and one (1) return well at the IRC GAC.

- A JLA hydrogeologist will be present at the well site during critical phases of well construction including: pilot hole drilling, geophysical logging, casing installation and cement grouting, completion interval drilling, flow and water quality testing, well development, and pump testing. JLA will observe and log drilling and collect lithologic samples during drilling.
- JLA will provide recommendations for the constructed depths of bore holes and casing, and will direct step drawdown testing, perform water level measurements and well specific capacity analysis. This task will include providing the client with typed geologist's lithologic logs, water quality field data summaries, and copies of the geophysical logs. The proposed budget is based on a 60-day construction schedule for the contractor to complete drilling development and testing of each well. The estimate of labor hours is based on the attached summary.
- JLA will prepare a well tech memo report to be submitted electronically summarizing construction and testing of the UFA supply well including figures, data tables, geophysical logs, pump test data, field water quality data, lithologic logs, geologic interpretations and recommendations.

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
<b>1.0- COORDINATION AND PERMITTING</b>	<b>\$1,616.00</b>
<b>2.0- SUPPLY WELL CONSTRUCTION OVERSIGHT</b>	<b>\$29,975.00</b>
<b>2.1- RETURN WELL CONSTRUCTION OVERSIGHT</b>	<b>\$29,975.00</b>
<b>2.2- REPORTING</b>	<b>\$4,660.00</b>
<b>PROJECT TOTAL</b>	<b>\$66,226.00</b>

## Schedule

JLA understands the importance of expediting this evaluation. As such, following authorization, JLA will begin immediately with the well drilling contractor coordination and permitting assistance to facilitate the start of well construction. Task 1 will be provided immediately upon authorization and continue through the completion of construction. Task 2 well construction schedule will depend on Contractors crew and equipment availability.

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**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.
- JLA will provide up to 160 hours of onsite hydrogeological services for the new replacement supply well assuming a 60-day construction schedule to fully complete drilling, testing, development and construction.
- JLA will provide up to 160 hours of onsite hydrogeological services for the new replacement return well assuming a 60-day construction schedule to fully complete drilling, testing, development and construction.
- 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.

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

Sincerely,  
**JLA Geosciences, Inc.**



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 Return Well Construction Phase Services

		Labor Classification and Hourly Rate														TASK  TOTAL
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	Total  Labor	Mileage  (\$0.67/mi)	ODC	Sub Consultant Services	
1.0	Coordiantion and Permitting															
	Coordination, planning and meetings with IRC and Well contractor.Assistance with SJRWMD Well construction permitting.		6.0										\$ 146.00			\$ 1,616.00
																\$ -
	Subtotal Task 1.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	\$ 146.00	\$ -	\$ -	\$ 1,616.00
2.0	Construction Phase Services															
	Well constroction oversight Supply Well		24.0			16.0			140.0				\$ 2,943.00			\$ 29,975.00
	Well construction oversight return well		24.0			16.0			140.0				\$ 2,943.00			\$ 29,975.00
	Well construction tech memo		2.0			6.0			24.0							\$ 4,660.00
	Subtotal Task 2.0	0.0	50.0	0.0	0.0	38.0	0.0	0.0	304.0	0.0	0.0	392.0	\$ 5,886.00	\$ -	\$ -	\$ 64,610.00
	Labor Subtotal Hours	0.0	56.0	0.0	0.0	38.0	0.0	0.0	304.0	0.0	0.0					
	Labor Hourly Billing Rates	\$ 255.00	\$ 245.00	\$ 228.00	\$ 205.00	\$ 167.00	\$ 155.00	\$ 140.00	\$ 132.00	\$ 95.00	\$ 115.00					
	Labor Subtotal	\$ -	\$ 13,720.00	\$ -	\$ -	\$ 6,346.00	\$ -	\$ -	\$ 40,128.00	\$ -	\$ -					
	Labor Total															\$60,194.00
	Mileage/ODC															\$6,032.00
	Subconsultant Total															\$0.00
	Project Total															\$66,226.00

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