

PROFESSIONAL ENGINEERING SERVICES AGREEMENT

WORK ORDER NO.: _____

PURCHASE ORDER NO.: _____

PROJECT NAME: SJRWMD CUP Permit Renewal - 2024
M&A Project 8905-62-1

CITY: CITY OF GREEN COVE SPRINGS, a political subdivision of the State of Florida

PROJECT MANAGER: Jason R. Shepler, P.E. (Vice President of Environmental Services)

CONSULTANT: Mittauer & Associates, Inc.

CONSULTANT'S ADDRESS: 580-1 Wells Road | Orange Park, Florida 32073

Execution of the Work Order by the CITY shall serve as authorization for the CONSULTANT to provide for the above project, professional services as set out in the Scope of Services attached as Exhibit "B", to that certain Agreement dated 21st day of April, 2021 with associated amendments between the CITY and the CONSULTANT and further delineated in the specifications, conditions and requirements stated in the following listed documents which are attached hereto and made a part hereof.

ATTACHMENTS (Check all that apply):

- ☐ DRAWINGS/PLANS/SPECIFICATIONS
- ☒ DETAILED SERVICES AND TASKS FOR PROJECT OR STUDY
- ☐ SPECIAL CONDITIONS
- ☐ _____

The CONSULTANT shall provide said services pursuant to this Work Order, its attachments and the above-referenced Agreement, which is incorporated herein by reference as if it had been set out in its entirety. Whenever the Work Order conflicts with said Agreement, the Agreement shall prevail.

TIME FOR COMPLETION: The work authorized by this Work Order shall be commenced upon receipt of a Purchase Order by the CONSULTANT. The CONSULTANT shall provide the following deliverables at denoted times:

- Attend Pre-Application Meeting with SJRWMD & City (21 days from notice to proceed)
- Prepare population and water use projections for next 20 years. Provide deliverable to City for review (90 days from pre-application meeting)
- Complete groundwater modeling review and technical memorandum to support CUP application materials (90 days from pre-application meeting)
- Complete CUP application form online (7 days from delivery of CITY comments)
- Respond to Request for Additional Information (14 days from receipt of comments from the SJRWMD pending breadth and depth of additional information)

METHOD OF COMPENSATION:

(a) This Work Order is issued on a:

- ☒ "Lump Sum Basis"
- ☐ "Hourly Rate Basis" with a "Not-to-Exceed" amount
- ☐ "Hourly Rate Basis" with a "Limitation of Funds" amount

(b) If the compensation is based on a "Lump Sum Basis," then the CONSULTANT shall perform all work required by this Work Order for the following amounts per the attached Scope of Services:

• ITEM A: Meetings (City and SJRWMD)	=	\$ 5,000.00
• ITEM B: Water Use Projections and Report	=	\$15,000.00
• ITEM C: Groundwater Modeling and Memorandum	=	\$25,000.00
• ITEM D: CUP Application	=	\$ 2,000.00
• <u>ITEM E: Request for Additional Information (RAI)</u>	=	<u>See Note 1</u>
TOTAL	=	\$47,000.00

Note 1: The Engineer will respond up to two reasonable RAIs as part of the stated fees. If required, additional fees will be requested with back-up information based on the scope of RAIs issued.

In no event shall the CONSULTANT be paid more than the "Lump Sum Fee" Amount.

The CITY shall make payment to the CONSULTANT in strict accordance with the payment terms of the above-referenced Agreement.

It is expressly understood by the CONSULTANT that this Work Order, until executed by the CITY, does not authorize the performance of any services by the CONSULTANT and that the CITY, prior to its execution of the Work Order, reserves the right to authorize a party other than the CONSULTANT to perform the services called for under this Work Order if it is determined that to do so is in the best interest of the CITY.

IN WITNESS WHEREOF, the parties hereto have made and executed this Work Order on this _____ day of _____, 2023, for the purposes stated herein.

MITTAUER & ASSOCIATES, INC.

Witness

By: _____
Joseph A. Mittauer, President

CITY OF GREEN COVE SPRINGS, FLORIDA

Witness

By: _____
Mike Null, Assistant City Manager

Date: _____

Encl.: ATTACHMENT A – SCOPE OF SERVICES

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The Engineer shall complete a Consumptive Use Permit (CUP) renewal application with supporting documentation to renew the City's existing CUP that is set to expire on July 13, 2024. The intent of the CUP is to ensure preservation of natural aquifer resources and prohibit wasteful uses. Renewal of the CUP will include a detailed analysis into growth projections throughout the City of Green Cove Springs in attempts to define necessary water requirements for the next 20 years. It is anticipated the St Johns River Water Management District (SJRWMD) will issue a permit for a 5-year duration going forward, but a 20-year analysis will be provided. The review will include potable water use, non-potable water use (i.e., potable irrigation), and reclaimed water use.

The SJRWMD will also require groundwater modeling of the proposed water allocations. The Engineer, through a subconsultant, will evaluate the City's water allocation impact from the public supply wells on local water resources. The City currently owns seven permitted public supply wells. Five of the seven wells are in operation. Two of the City's wells are open to both the upper and lower Floridan aquifer, and six wells are open to the upper Floridan aquifer. The Engineer, through a subconsultant, will conduct MODFLOW groundwater modelling to be used to evaluate potential impacts on water resources. A technical memorandum (TM) will be prepared for submission to the SJRWMD with documentation of findings and analysis.

In addition, the City's existing water conservation plan will be reviewed and modifications presented for the City's consideration.

All information gathered will be submitted via SJRWMD online e-permitting program and copies provided to the Client.

The Client shall provide the following items in a timely manner at no expense to the Engineer:

1. Copies of monthly operating reports, water use records, and previous related correspondence with SJRWMD.
2. Information on planned/proposed developments.
3. Any required laboratory sampling and analysis.
4. Any permit processing fees charged by regulatory agencies.