

PROFESSIONAL ENGINEERING SERVICES AGREEMENT

WORK ORDER NO.: _____

PURCHASE ORDER NO.: _____

PROJECT NAME: SRF Magnolia Point Reclaimed Water System & Potable Water System Improvements (M&A Project 8905-61-1)

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 Attachment "A", to that certain Agreement dated 19th day of January, 2021 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:

- Complete design and permitting activities and close out the City's SRF Loan Agreement requirements to allow the City to submit for construction request for inclusion in June/July 2025 for consideration by the FDEP SRF program in August 2025.

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 sum of Two Million One Hundred Seventy One Thousand and Four Hundred DOLLARS (\$2,171,400.00). In no event shall the CONSULTANT be paid more than the "Lump Sum Fee" Amount.

- (c) If the compensation is based on an "Hourly Rate Basis" with a "Not-to-Exceed" Amount, then the CONSULTANT shall perform all work required by this Work Order for a sum not exceeding _____ DOLLARS (\$ _____). The CONSULTANT'S compensation shall be based on the actual work required by this Work Order.

- (d) If the compensation is based on an "Hourly Rate Basis" with a "Limitation of Funds" Amount, then the CONSULTANT is not authorized to exceed the "Limitation of Funds" amount of _____ DOLLARS (\$ _____) without prior written approval of the CITY. Such approval, if given by the CITY, shall indicate a new "Limitation of Funds" amount. The CONSULTANT shall advise the CITY whenever the CONSULTANT has incurred expenses on this Work Order that equals or exceeds eighty percent (80%) of the "Limitation of Funds" amount. The CITY shall compensate the CONSULTANT for the actual work performed under this Work Order.

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 _____, 2024, for the purposes stated herein.

MITTAUER & ASSOCIATES

Witness

By: _____
Joseph A. Mittauer, President

CITY OF GREEN COVE SPRINGS

Witness

By: _____
Steve Kennedy, City Manager

Date: _____

Encl.: ATTACHMENT A – SCOPE OF SERVICES

PROFESSIONAL ENGINEERING SERVICES AGREEMENT
ATTACHMENT A: SCOPE OF SERVICES

WORK ORDER NO.: _____

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PROJECT NAME: SRF Magnolia Point Reclaimed Water System & Potable Water System Improvements (M&A Project 8905-61-1)

The City completed a Water System Master Plan in July 2018 (“2018 Water Master Plan”), Reclaimed Water System Master Plan in 2016 (“2016 Reclaimed Water Master Plan”), and a Technical Memorandum on Surface Water Discharge Elimination Plan in 2021 (“2021 SW Discharge Elimination Plan”), which reviewed and provided direction related to the City’s water, wastewater and reclaimed water treatment infrastructure. Due to the State of Florida’s surface water elimination regulations and the studies’ findings, the City’s priority is to replace non-essential potable water use (‘irrigation’) with reclaimed water. Magnolia Point is a residential-golf-course development adjacent to the City’s Harbor Road Water Reclamation Facility (WRF). The WRF is currently in construction to provide public-access reclaimed water service capabilities. As part of this Drinking Water (DW) Design Loan (DW Loan), the City will complete the surveying, design, and permitting activities to extend a public-access reclaimed water distribution system into Magnolia Point with individual services to replace the existing potable water irrigation services.

In addition to the above, this DW Loan will fund surveying, design, and permitting activities to replace aging infrastructure at the City’s Water Treatment Plants (WTP). In total, the design activities will produce permitted construction documents to complete the following improvements:

- Reclaimed water distribution system extensions from the Harbor Road WRF to/thru Magnolia Point including but not limited to:
 - 2,200 LF of 16-inch reclaimed water (RW) main,
 - 6,900 LF of 12-inch RW main,
 - 25,900 LF of 8-inch RW main,
 - 21,000 LF of 6-inch RW main,
 - 715 1-inch RW services, and
 - Valves, fittings, and restoration.

- Potable Water System Enhancements including but not limited to:
 - Replacement of existing high service pumps with jockey and high service pumping systems at the Reynolds Water Treatment Plant, and
 - 400,000 gallon ground storage tank at the Reynolds WTP.

The conceptual construction budget is summarized as follows:

- Magnolia Point Reclaimed Water Extensions = \$10,400,000
- Reynolds WTP Improvements = \$ 3,000,000

The scope of services for this task authorization include the following:

A. FDEP SRF ADMINISTRATIVE ASSISTANCE AND MEETINGS

The Engineer shall assist the City in preparing:

- Reimbursement requests.
- FDEP SRF progress updates.
- FDEP SRF Construction Loan RFI submittal.
- Construction loan application.
- Other administrative tasks during completion of the ‘design’ services.

The Engineer will also provide general project management services to coordinate the design, permitting, and SRF administration activities.

The Engineer shall attend/facilitate the following meetings during completion of the work:

1. One FDEP Meeting.
2. Up to three City Council and/or public meetings.

B. SPECIALIZED FIELD STUDIES

The Engineer shall obtain specialized field studies outlined within the City’s Request for Inclusion including:

1. 56,000 lineal feet of topographic and boundary surveying along the reclaimed water main route.
2. Topographic site survey of the Reynolds Water Treatment Plant.
3. Geotechnical exploration throughout the project area along the 56,000

lineal feet of proposed piping.

4. Limited subsurface utility engineering services to identify existing utilities at potential utility conflicts. At these locations, the utilities will be defined to a Level 'A' while other areas will be defined to a Level 'C' as designated by the American Society of Civil Engineers guidance entitled "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data" (ASCE CI 38-02).

C. ENGINEERING DESIGN

The Engineer shall prepare plans and specifications for:

1. Reclaimed water main extensions from the Harbor Road Water Reclamation Facility (WRF) to and within the Magnolia Point subdivision development. The design intent is serve the entire limits of the subdivision and connect to those areas that were constructed with reclaimed water distribution system piping. The distribution system will also have a connection for potential interconnects to the Clay County Utility Authority (CCUA) reclaimed water distribution system at the Magnolia Point and Magnolia West interface.
2. Reynolds WTP high-service pump replacements with associated mechanical, electrical and instrumentation improvements.
3. Reynolds WTP 400,000 gallon ground storage tank (GST) expansion with associated mechanical and instrumentation improvements.

D. PERMITTING SERVICES

1. The Engineer shall prepare a Florida Department of Environmental Protection "Application for a Specific Permit to Construct PWS Components" for the work at the Reynolds WTP. The Engineer shall respond to typical requests for additional information concerning the proposed permit application.
2. The Engineer will coordinate with the Florida Department of Environmental Protection related to the public access reclaimed water extensions. The service area has previously been permitted, but extensions into the service area will be summarized with FDEP.

PURSUANT TO FLORIDA STATUTES, SECTION 558.0035, AN INDIVIDUAL EMPLOYEE OR AGENT MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

EXCLUSIONS

Services do not include the following:

- Regulatory permit application fees (fees shall be paid by the City).
- Easement acquisition assistance.
- Phase 1 site assessments.
- Phase 2 site assessments.
- Title opinions.
- Title search.
- Wetland surveying and/or permitting.
- FEMA and/or ACOE permitting.
- Post-design services.
- Groundwater testing and/or permitting associated with contamination.

FEES

Item	Description	Lump Sum Fee
A	FDEP SRF Administration Assistance & Meetings	\$19,500
B	Specialized Field Studies (Topographic Surveying, Boundary Surveying, Subsurface Utility Engineering, Geotechnical Work)	\$650,000
C	Engineering Design	\$1,471,900
D	Permitting Services	\$30,000
TOTAL		\$2,171,400.00