

PROFESSIONAL ENGINEERING SERVICES AGREEMENT

WORK ORDER NO.: _____

PURCHASE ORDER NO.: 2721879 [Amendment No. 1]

PROJECT NAME: DEP SRF Water System Improvements
M&A Project 8905-53-1

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 this Work Order Amendment No. 1 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".

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.

METHOD OF COMPENSATION:

- (a) This Work Order is issued on a:
 - "Lump Sum Basis"
- (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	Description	Original PO Amount	Amendment No. 1 Amount	TOTAL
A	Basic Engineering	\$170,300	\$17,500	\$187,800
B	Surveying	\$15,000	\$26,600	\$41,600
C	Permitting	\$5,000	\$0	\$5,000
D	Geotechnical	\$3,000	\$2,000	\$5,000
E	FDEP SRF Admin	\$3,500	\$0	\$3,500
F	Meetings	Included above	\$0	\$0
G	Specialized Studies	Not Included	\$10,000	\$10,000
TOTAL		\$196,800	\$56,100	\$252,900

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 _____, 2020, for the purposes stated herein.

MITTAUER & ASSOCIATES, INC.

Witness

By: _____
Joseph A. Mittauer, President

CITY OF GREEN COVE SPRINGS, FLORIDA

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.: _____

PURCHASE ORDER NO.: 2721879 [Amendment No. 1]

PROJECT NAME: DEP SRF Water System Improvements
M&A Project 8905-53-1

This amendment includes modifications to the design and permitting services to construct the improvements to the Bonaventure Water Treatment Facility as identified within City's Water Facilities Plan and approved by the Florida Department of Environmental Protection (FDEP) State Revolving Fund (SRF) program on July 30, 2019. The funding for the design services are part of the City's Design Loan and Grant Offer under the FDEP SRF Design Loan Agreement No. DW100102.

A. BASIC ENGINEERING SERVICES - DESIGN PHASE (AMDENDMENT NO. 1)

1. Preparation of additional offsite water main plans and associated specifications for the construction of a 12" finished water main to the upstream side of the City's existing hydraulic control valve.
2. All drawings will be prepared in AutoCAD and included within the original scope of work drawings for the water plant improvements.
3. Deliverables as previously defined.

B. TOPOGRAPHIC SURVEYING (AMDENDMENT NO. 1)

- Perform a **Boundary Survey** of the site in accordance with the Standards of Practice of the State of Florida, Chapter 5J-17.05-FAC, F.S.
 - Identify property lines for Parcels 38-06-26-016991, 016946, 016638, 018377.
 - Identify right-of-way lines for Bonaventure Avenue, 206' of South Oakridge Avenue, 521' of Beth Drive and 1100' of the north rights-of-way of SR 16.
 - Show any encroachments into right-of-way from adjacent properties
 - Identify ownership and locate any easement
- Perform a **Topographic Survey** of the site in accordance with the Standards of Practice of the State of Florida, Chapter 5J-17.05-FAC, F.S.
 - Survey north half of right-of-way of Bonaventure Avenue for 175'
 - Survey 20' easement from Bonaventure to South Oakridge Avenue for 442'

- Survey west half of South Oakridge Avenue for 175'
 - Survey south half of Beth Drive for 518'
 - Survey 20' easement from Beth Drive to north right-of-way for SR 16 541'
 - Survey along north half of SR 16 from the north edge of pavement to north right-of-way line 1100' and tie in point for existing 12" water main
 - Locate all above ground features (wall, fences, above ground utilities)
 - Survey grid will be at 50' intervals and 25' beyond property lines
 - Locate all swales and drainage features with inverts, pipe size and material
 - Locate all sewer manholes, inverts, pipe size and material
- Perform Quality Level B Designation for any buried utilities within the survey route including telecommunication, gas, water, force main and electric.

C. GEOTECHNICAL SERVICES (AMDENDMENT NO. 1)

The Engineer shall obtain additional geotechnical soil data for the offsite water main work.

D. SPECIALIZED STUDIES

The Engineer shall obtain onsite well testing for the existing well to ensure functionality and define the well's specific capacity. During the well pump testing, the well's water quality will also be sampled for:

- Primary Inorganic Contaminants;
- Secondary Contaminants;
- Volatile Organic Contaminants;
- Synthetic Organic Contaminants;
- Radionuclides;
- Alkalinity;
- Dissolved Iron;
- Dissolved Oxygen;
- pH;
- Total Sulfide; and
- Turbidity.