

WORK ORDER 1

WEST REGIONAL WWTP BLOWER BUILDINGS

This Work Order Number 1 is entered into as of this ___ day of _____, 2018, pursuant to that certain Continuing Consulting Engineering Services Agreement for Professional Services entered into as of this 17th day of April, 2018 (collectively referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and SCHULKE, BITTLE & STODDARD, LLC ("Consultant").

The COUNTY has selected the Consultant to perform the professional services set forth on Exhibit A (Scope of Work), attached to this Work Order and made part hereof by this reference. The professional services will be performed by the Consultant for the fee schedule set forth in Exhibit B (Fee Schedule), attached to this Work Order and made a part hereof by this reference. The Consultant will perform the professional services within the timeframe more particularly set forth in Exhibit C (Time Schedule), attached to this Work Order and made a part hereof by this reference all in accordance with the terms and provisions set forth in the Agreement. Pursuant to paragraph 1.4 of the Agreement, nothing contained in any Work Order shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each individual Work Order as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Work Order as of the date first written above.

CONSULTANT:
SCHULKE, BITTLE & STODDARD, LLC

**BOARD OF COUNTY COMMISSIONERS
OF INDIAN RIVER COUNTY**

By: 

Joseph W. Schulke, P.E.
Title: Managing Member

By: _____
Peter D. O'Bryan, Chairman

BCC Approved Date: _____

Attest: Jeffrey R. Smith, Clerk of Court and Comptroller

By: _____
Deputy Clerk

Approved: _____
Jason E. Brown, County Administrator

Approved as to form and legal sufficiency: _____
Dylan T. Reingold, County Attorney

EXHIBIT 'A'
SCOPE OF WORK
WORK ORDER NO. 1

Project Description

The proposed project will provide for the evaluation and recommendation for the replacement of blowers for the sludge holding tank and enclosure at the Indian River County West Regional Wastewater Treatment Plant. Replacement of the blowers is necessary due to:

1. Blowers are old, inefficient and significantly oversized for the current and future needs
2. The deterioration of the metal building containing the blowers. The roof has failed allowing water intrusion into the building affecting the mechanical and electrical equipment

The blowers were originally sized to accommodate a much larger system. Under today's operations, the size of the blowers and the motors can be reduced in size. Three different types of enclosures structures will be evaluated and considered for housing and protection of the new blowers. Based on cost benefit analysis, one of the options would be selected and final plans prepared for mechanical, electrical and structural systems.

Scope of Services

Schulke, Bittle & Stoddard, L.L.C. will provide services including engineering evaluation, design, specifications, contract administration and inspection services for the structural mechanical, and electrical replacement of the blowers and enclosures for the Indian River County West Regional Wastewater Treatment Plant. The services will include the field evaluation of the facility, preparation of preliminary plans and preliminary cost estimates, evaluation of various options, and preparation of construction plans and specifications, construction administration and periodic construction field inspection of the construction, as required for the complete replacement.

In connection with this project, the County will provide the Engineer with a copy of any pertinent Preliminary Data or Reports; all available drawings in electronic AutoCAD format; all plans of record, maps and other documentation in the possession of or reasonably available to the County that are pertinent to the project, including plans, reports and other documents on file at the Utility Department, building department, or other IRC offices.

Services not included in this Scope of Work are listed as follows:

- Any services associated with assisting Indian River County in review and evaluation of patent related disputes, issues, or claims including preparing to serve or serving as a consultant or witness for Indian River County in litigation, arbitration, public or private hearings, or other legal administrative proceedings involving patent related disputes, issues or claims.
- Any services in connection with the project not otherwise provided for in this scope of services.
- Design or permitting of any asbestos remediation / related work.
- Design or permitting of wastewater treatment systems or modification to existing systems.
- Building permit application preparation. This task will be provided by the licensed general contractor awarded the construction contract for this project.

- Inspection and certification of welds and mechanical fasteners required by the IRC Building Department. The bid documents and construction specification will include this as a requirement for the contractor to provide this service.

In order to execute this project in the most cost effective manner, with the most aggressive schedule, Schulke, Bittle & Stoddard, L.L.C. will:

- Rely on building plans and building department records obtained from the IRC utility department and IRC building department for as-built conditions of the WWTP components.
- Utilize the IRC utility department standard bid documents and construction contract, which documents shall be provided in an editable format by IRC to SBS.
- SBS may retain consultant(s) at its discretion, which may include one or more companies whose primary occupation is electrical engineering and wastewater treatment plant design. SBS has budgeted up to \$8,500.00 for these services.

Printing and Reproduction

The County shall make direct payment to our office for the cost of printing project plan sheets required for utility coordination and for copies of reports, drawings, specifications, and other pertinent items required by federal, state and local agencies from whom approval of the project must be obtained, material suppliers, and other interested parties, but may charge only for the actual cost of providing such copies based on the following tabulation:

8 1/2" x 11"	\$ 0.12/sheet	Blue Line Prints	\$ 0.333/SF
11" x 17"	\$ 0.50/sheet	Reproducible Sepias	\$ 0.75/SF
3 1/2" diskette	\$ 2.00/each	Reproducible Mylars	\$ 1.00/SF
CD	\$ 4.00/each		

EXHIBIT 'B'
FEE SCHEDULE
WORK ORDER NO. 1

Method and Amount of Compensation

Schulke, Bittle & Stoddard, L.L.C., proposes to provide the above Scope of Services based on the following lump sum fees:

1. Preliminary plan review and evaluation: \$10,500.00

- A. Review the existing plans of record. On-site evaluation of the existing blowers, building and system components, including:
 - On-site review – photograph and document existing conditions, where possible
 - Coordinate field review(s) with consultant(s)
- B. Prepare preliminary structural, electrical, and mechanical drawings and prepare take-off / construction estimate based on field review, consultant's input, and consider rehabilitation options and make recommendation on reconstruction and repairs for three (3) options:
 - a. Replace the metal building with a new building on the same foundation
 - b. Construct a new concrete block building at a new (presumable adjacent) location
 - c. Specify a pre-fab "cabinet" that will house the blowers only (cabinets and blower skid designed by others)

2. Final Design \$5,500.00

Engineering design: preparation of Construction Plans, detailed specifications, and construction details for one (1) of the above listed three (3) options.

3. Contractor procurement / bid documents \$3,000.00

Preparation of bid documents using IRC standard forms. Assistance during Bidding, including preparation of an approved contractors bid list, coordinating and chairing a pre-bid meeting, process answers to RFI's, bid evaluation, prepare addendum (if necessary) and prepare recommendation of contract award.

4. Contract Administration and Construction Phase services \$9,000.00

Coordinate and chair a pre-construction meeting, shop drawing sample review, review progress payments, prepare minor plan modifications, Construction/Field Inspections, as-built review, coordinate post construction conference and inspect structure for warranty approval, and review final documentation for close-out and prepare notice of substantial completion, final recommendation for payment upon satisfactory job completion. Inspections portion of this fee based on:

Assume 3 hours / day @ 20 days

5. Reimbursable Expenses: (estimated) \$1,000.00

Payment of direct costs, including Reproduction costs (prints and copies), application fees, mail and delivery, mileage during construction phase services. (See below for actual costs)

Total: \$29,000.00

Grand Total **\$29,000.00**

EXHIBIT 'C'
TIME SCHEDULE
WORK ORDER NO. 1

Time of Performance

The estimated time frame for completion of services from the approval of this Work Authorization is as follows:

- | | |
|--|------------|
| 1. Preliminary Plan review and field evaluation | 1 ½ months |
| 2. Engineering Design & Preparation of
Construction Plans, specifications and Bid Documents | 1 ½ months |
| 3. Bidding/Contract Award | 2 months |
| 4. Construction | 5 weeks |

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