

WORK ORDER NUMBER MM-1

Moorhen Marsh Structural Services for Revised Facility Cast-In-Place Structures Project Number: IRC-1909

This Work Order Number MM-1 is entered into as of this ___ day of _____, 2020, 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 KIMLEY-HORN AND ASSOCIATES, INC. ("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.

EXHIBIT A – SCOPE OF WORK

Moorhen Marsh Structural Services for Revised Facility Cast-in-Place Structures

The COUNTY is designing the Moorhen Marsh Leaps treatment facility in-house and has requested structural design services for structures in the revised facility layout. The new facility layout maintained the previous layout of the headworks structure. Structural services for the headworks structure were completed under a previous work authorization. The requested structural design services are limited to the preparation of construction drawings and specifications for cast-in-place structures that were revised with the revised facility layout listed below;

- Water Lettuce Scrubber Access Ramp Walls
- Water Lettuce Scrubber Sumps S-8 through S-15
- Water Lettuce Scrubber Perimeter curb
- Solid Sludge Sump/Discharge Weir
- Discharge/Reoxygenation Flume
- Final Discharge Structure S1
- Solids Holding Ingress/Egress Ramp
- Revised Headworks work slab

Task 1 – Structural Design Services

The structural services are included for to the following list of components:

- Concrete elements of the above listed structures
- Aluminum grating support structures at the applicable above listed structures
- Aluminum handrail design at the applicable above listed structures

The structural drawings for the above listed structure will be a component set of the overall project plan set and will consist of the following elements;

- Additional general notes and material specifications
- Structural Plan Views
- Structural sections
- Structural details, including typical jointing plan
- Handrail details
- Grating support details

Design shall be performed in accordance with current Florida Building Code criteria, supplemented by ACI.

Deliverable will consist of structural plan sheets, inclusive of specifications as notes on the plans, to be incorporated into the overall set of construction plans being prepared by the COUNTY.

This scope assumes there will be only two submittals to the COUNTY: at the 90% stage and at the 100% stage.

Task 2 – Coordination and Meetings

The Consultant will attend up to two meetings with the COUNTY. The first meeting (kickoff meeting) shall occur upon NTP to verify layout and design criteria for the above listed structures. The second meeting will take place upon receipt of 90% submittal comments.

Task 3 – Bid Phase Services

The Consultant will attend the pre-bid meeting and respond to bidders structural related bid questions received during the bidding process.

Additional Services

Any other services, including but not limited to the following, are not included in the Agreement.

1. The above listed structures in configuration other than the initial configuration provided by the COUNTY at or before the kickoff meeting.
2. Structural services associated with the precast structures and pole barn operation building
3. Structural Service for the Miscellaneous Work Slabs, Dumpster Pad, and other slabs on grade not listed above.
4. Design and details for aluminum or stainless-steel hatches
5. Precast Structures S2-S7
6. Additional meetings
7. Construction Phase Services

Any services not specifically provided for in the above scope of work will be billed as additional services at our then current rates.

Information Provided By Client

We shall be entitled to rely on the completeness and accuracy of all information provided by the COUNTY or the COUNTY's consultants or representatives. The COUNTY shall provide all information requested by the Consultant during the project, including but not limited to the following:

1. Geotechnical information
2. COUNTY's AutoCAD files

EXHIBIT B – FEE SCHEDULE

The COUNTY agrees to pay and the Consultant agrees to accept for services rendered pursuant to this Agreement fees inclusive of expenses in accordance with the following:

A. Professional Services Fee

The basic compensation mutually agreed upon by the Consultant and the COUNTY is as follows:

Lump Sum Components

<u>Task</u>	<u>Labor Fee</u>
Structural Design Services	\$ 39,800
Coordination and Meetings	\$3,410
Bid Phase Services	\$3,345
Project Total	<u>\$46,555</u>

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EXHIBIT C – TIME SCHEDULE

Upon authorization to proceed by the COUNTY, final design documents are expected to follow the below schedule from the Notice to Proceed (NTP).

NTP	contingent upon BOCC approval
Interim Submittal (90% Design Drawings)	6 weeks following NTP
Final Submittal (100% Design Drawings)	3 weeks following 90% comments

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

CONSULTANT:
KIMLEY-HORN AND ASSOCIATES,
INC.

BOARD OF COUNTY COMMISSIONERS
OF INDIAN RIVER COUNTY

By: _____
Brian Good, P.E.

By: _____

Title: Senior Vice President

BCC Approved Date: _____

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

By: _____
Deputy Clerk

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