

CCNA2018 WORK ORDER 23

**HOBART WATER PLANT
BULK CAUSTIC TANK REPLACEMENT**

This Work Order Number 23 is entered into as of this ___ day of _____, 2019, 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.

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: _____
Print Name: **Brian Good, P.E.**

By: _____
Bob Solari, Chairman

Title: **Principal**

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 #1

Work Order Number 23

Bulk Caustic Tank Replacement At Hobart Water Treatment Plant

PROJECT UNDERSTANDING

The existing bulk caustic tank at the Hobart (North) Reverse Osmosis Water Treatment Plant (ROWTP) is more than 20 years old and recent inspection of the interior of the tank showed significant deterioration of the interior lining. The bulk tank is at the end of its service life, and therefore, replacement of the tank is necessary. Ancillary components to the bulk caustic storage tank, such as the tank heater, level transmitter, tank/piping insulation and heat tracing, piping, and containment coatings should also be addressed as part of the tank replacement. The scope of work consists of review and inspection of the existing tank conditions and site, preparation of design plans and specifications for a new tank and associated supply piping, coordination with FDEP, and bidding.

SCOPE OF SERVICES

Task 1: Review Existing Conditions

Consultant will review existing caustic tank and piping at the Hobart ROWTP and evaluate options for a replacement tank. Consultant will develop a phasing plan to allow replacement of the existing tank without interrupting service.

Task 2: Design Plans and Specification

Consultant will prepare plans and specifications for a replacement tank. Plans will consist of a site plan, tank supports, piping, tie-in details, and general details. Photos may be used to depict details. It is anticipated that approximately four (4) drawings will be prepared.

Specifications will be prepared and consist of the replacement tank, associated piping, coating of existing containment area, and demolition of existing tank.

Consultant will provide 90% plans and specifications for review and comment as well as final plans and specifications for construction. The plans and specifications will be combined with the sulfuric acid tank replacement project (Work Order #14) to be bid out as a single construction contract. Drawings and specifications will be provided in electronic (.pdf – portable document format) form.

Task 3: Coordination

Consultant will prepare permit application Form 62-555.900(1) and submit application with supporting plans and specifications to the Florida Department of Environmental Protection Southeast District. The permit application will include both the bulk sulfuric acid and caustic tank replacement.

A permit application fee of \$1,000.00, in accordance with FAC 62-4 n.7.a will be furnished by Indian River County Utilities as part of the application.

Consultant will answer questions from contractors regarding the scope of work during the price proposal phase. Consultant will review one set of shop drawings on the tank and piping during the construction phase of the project.

TIME SCHEDULE

Services for Tasks 1 and 2 are anticipated to be completed within 5 weeks of notice to proceed. Task 3 will be concurrent with project construction and is anticipated to be completed within 6-8 months, depending on contractor's schedule.

FEE SCHEDULE

We will provide these services in accordance with our Continuing Consulting Engineering Services Agreement for Professional Services dated April 17th, 2018, by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and Kimley-Horn and Associates, Inc., ("Consultant").

The Consultant will provide professional services for a lump sum fee as follows:

Task No.	Task	Task Fee
Task 1	Review Existing Conditions	\$ 3,300
Task 2	Design Plans and Specifications	\$ 13,200
Task 3	Coordination	\$ 5,500
	TOTAL LUMP SUM FEE	\$ 22,000

ADDITIONAL SERVICES

The following services are not included in the Scope of Services for this project, but may be required depending on circumstances that may arise during the execution of this project. Additional services include, but may not be limited to the following:

- Construction phase services not described herein