

**RESOLUTION NO. 19-07-45**

**A RESOLUTION OF THE VILLAGE COUNCIL OF ISLAMORADA, VILLAGE OF ISLANDS, FLORIDA, APPROVING A FIRST AMENDMENT TO PROJECT AGREEMENT WITH WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.; AUTHORIZING THE VILLAGE MANAGER TO EXPEND BUDGETED FUNDS; AUTHORIZING THE VILLAGE MANAGER TO EXECUTE THE PROJECT AGREEMENT; AND PROVIDING FOR AN EFFECTIVE DATE**

**WHEREAS**, Islamorada, Village of Islands (the “Village”) has a current Continuing Services Agreement (“CSA”) with Wood Environment & Infrastructure Solutions, Inc. (“Wood”) for Engineering Services, Canal Restoration Projects and Environmental Permitting and Support; and

**WHEREAS**, under the CSA, a Project Agreement (Work Authorization No. 2) was issued by the Village on December 14, 2018 for professional engineering services for a two-phase project within Canal 132 (Plantation Lake Estates): 1) Air Curtain Design and Permitting, and 2) Gravity Flow Injection Well Conceptual Design, for a not-to-exceed amount of \$50,000.00; and

**WHEREAS**, during this project design phase and after consultation with homeowners adjacent to Canal 132, it was determined that the air curtain design and permitting component of this project be put on hold until after completion of the gravity flow injection well; and

**WHEREAS**, it was the consensus of the homeowners, Wood, and the Village that the project would commence with the design and permitting of the gravity flow injection well; and

**WHEREAS**, the estimated cost of this project remains unchanged; and

**WHEREAS**, the Village Council has determined that a First Amendment to the Project Agreement (Exhibit A) to amend the Scope of Services and Deliverables of Work Authorization No. 2 to correct for the changes in the work plan agreed upon by all parties, is in the best interests of the Village; and

**NOW THEREFORE, BE IT RESOLVED BY THE VILLAGE COUNCIL OF ISLAMORADA, VILLAGE OF ISLANDS, FLORIDA, AS FOLLOWS:**

**Section 1. Recitals.** The above recitals are true and correct and incorporated herein by this reference.

**Section 2. Approval of First Amendment.** The Village Council hereby approves the First Amendment attached hereto as Exhibit “A”.

**Section 3. Authorization of Village Officials.** The Village Manager and/or his designee and the Village Attorney are hereby authorized to take all actions necessary to implement the terms and conditions of the First Amendment.

**Section 4. Authorization of Fund Expenditure.** Notwithstanding the limitations imposed upon the Village Manger pursuant to the Village's Purchasing Procedures Ordinance, the Village Manager is authorized to expend budgeted funds to implement the terms and conditions of the amended Agreement.

**Section 5. Effective date.** This Resolution shall take effect immediately upon its adoption.

Motion to adopt by Councilman Ken Davis, seconded by Councilman Jim Mooney.

**FINAL VOTE AT ADOPTION**

**VILLAGE COUNCIL OF ISLAMORADA, VILLAGE OF ISLANDS**

Mayor Deb Gillis	YES
Vice Mayor Mike Forster	YES
Councilman Ken Davis	YES
Councilwoman Cheryl Meads	YES
Councilman Jim Mooney	YES

**PASSED AND ADOPTED ON THIS 18<sup>TH</sup> DAY OF JULY, 2019.**

  
\_\_\_\_\_  
DEB GILLIS, MAYOR

ATTEST:

  
\_\_\_\_\_  
KELLY JOTH, VILLAGE CLERK

APPROVED AS TO FORM AND LEGALITY  
FOR THE USE AND BENEFIT OF ISLAMORADA,  
VILLAGE OF ISLANDS ONLY

  
\_\_\_\_\_  
ROGET V. BRYAN, VILLAGE ATTORNEY

**FIRST AMENDMENT TO  
PROJECT AGREEMENT  
Between  
ISLAMORADA, VILLAGE OF ISLANDS  
And  
WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.  
For  
Work Authorization No. 2**

This First Amendment to Work Authorization No. 2 under a Continuing Services Agreement (the "First Amendment") is made and entered into this 24<sup>th</sup> day of July, 2019, between Islamorada, Village of Islands ("VILLAGE") and Wood Environment & Infrastructure Solutions, Inc. ("CONSULTANT").

**WHEREAS**, the VILLAGE and CONSULTANT entered into a Continuing Services Agreement ("CSA") for professional services for various engineering and Islamorada canal restoration projects dated September 14, 2018; and

**WHEREAS**, the VILLAGE and CONSULTANT entered into a Project Agreement (Work Authorization No. 2 under the CSA) for engineering services for canal restoration projects and environmental permitting and support services dated December 14, 2018, with a not-to-exceed amount of Fifty Thousand and no/100 Dollars (\$50,000.00); and

**WHEREAS**, the VILLAGE needs the continued services of CONSULTANT to complete the Canal 132 restoration project; and

**WHEREAS**, the VILLAGE and CONSULTANT desire to enter into this First Amendment to amend the Scope of Services and Deliverables of this Work Authorization to correct for the changes in the work plan agreed upon by all parties;

**NOW THEREFORE**, in consideration of mutual promises, covenants and contracts stated herein, and for other good and valuable consideration, the sufficiency of which is hereby acknowledged, VILLAGE and CONSULTANT hereby agree as follows:

**Section 1. Scope of Services**

1.1 The CONSULTANT shall provide engineering services to the VILLAGE for the Project as described in the revised "Scope of Services" attached as Exhibit "1."

1.2 The revised "Scope of Services" and tasks to be provided by the CONSULTANT for this Project are those services and tasks as listed in Exhibit "1."

1.3 The VILLAGE may request changes that would increase, decrease, or otherwise modify the Scope of Services. Such changes must be contained in a written change order executed by the parties in accordance with the provisions of the Continuing Services Agreement between the VILLAGE and

CONSULTANT, dated September 14, 2018, prior to any deviation from the terms of the Project Agreement, including the initiation of any extra work.

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**Section 2. Amendment to Project Agreement.** The Project Agreement is amended to read as follows:

SECTION 2. **Deliverables.** As part of the Scope of Services the CONSULTANT shall provide to the VILLAGE the following Deliverables:

- ~~Site Survey, Engineering Report, and Ecological Report of the site conditions;~~
- *Summary sampling report with analytical data of field water quality data collection*
- *Final Signed and Sealed Construction Plans, Technical Specifications, and Engineers Cost Estimate;*
- *Received permits from FDEP, USACE, FKNMS, and the Village*
- *Request for Proposal package*
- ~~Engineering Report of the site conditions;~~
- ~~Pre Permitting Gravity Flow Injection Well Conceptual Design package~~

Unless otherwise stated, the CONSULTANT will provide draft and site plans, and other materials prepared for the PROJECT in both paper and electronic formats as appropriate, excluding material that is available only as photocopy to the VILLAGE. The VILLAGE shall be provided copies of all correspondence from CONSULTANT to any public or private entity or individual and all correspondence received by the CONSULTANT for the PROJECT.

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**Section 3. No Further Modifications.** All other terms and conditions of the existing Project Agreement not in conflict or superseded by this First Amendment shall remain in full force and effect as if set forth herein.

(This Space is Intentionally Left Blank.)

IN WITNESS WHEREOF, the parties hereto have accepted, made and executed this First Amendment upon the terms and conditions above stated on the day and year first above written.

Attest:

**ISLAMORADA, VILLAGE OF ISLANDS**

Kelly S. Toth  
Kelly Toth, Village Clerk

By: Seth Lawless  
Seth Lawless, Village Manager

Date: 7/22/19

Approved as to Form and Legality  
for the Use and Benefit of Islamorada,  
Village of Islands only

[Signature]  
Roget V. Bryan, Village Attorney

**WOOD ENVIRONMENT &  
INFRASTRUCTURE SOLUTIONS, INC.**

By: Ricardo Fraxedas  
Ricardo Fraxedas  
Office Manager

Date: 7/24/19



June 14, 2019

Mr. Peter Frezza  
Environmental Resources Manager  
**VILLAGE OF ISLAMORADA**  
86800 Overseas Highway  
Islamorada, FL 33036

Phone: 305-664-6427  
email: [peter.frezza@islamorada.fl.us](mailto:peter.frezza@islamorada.fl.us)

**Subject: Proposal for Canal 132 Gravity Flow Injection Well Design & Permitting  
Islamorada, Florida**

Dear Mr. Frezza:

Wood Environment & Infrastructure Solutions, Inc. (Wood) is pleased to submit this proposal to Village of Islamorada for canal restoration in canal 132 Plantation Key. The proposed scope of work includes design, permitting, and construction procurement for a gravity flow injection well, with the design & permitting of the air curtain as well as the conceptual design of the gravity flow injection well previously contracted under a separate scope of services.

The following sections describe the project background, the proposed scope of services, baseline schedule for our deliverables and proposed fees.

## **BACKGROUND**

Due to the stagnant water flow within the canal system that induces degraded dissolved oxygen, Wood is recommending a gravity flow injection well. The injection well will increase flushing by allowing the incoming tide to move through the canal and infiltrate into the subsurface through gravity flow.

A conceptual design package for the gravity flow injection well was prepared and submitted to the Florida Department of Environmental Protection (FDEP). Subsequently, a pre-application meeting was held on April 15, 2019 between the FDEP South District Office, the Village of Islamorada, and Wood. During the pre-application meeting, the FDEP requested that water quality data, specifically Total Petroleum Hydrocarbon (TPH) analysis, be collected to support the permit application. Additionally, the FDEP indicated that additional items may be required by the

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5845 N.W. 158th Street  
Miami Lakes, Florida 33014  
Tel (305) 826-5588  
Fax (305) 826-1799



[www.woodplc.com](http://www.woodplc.com)

Underground Injection Control (UIC) program manager. Multiple attempts to determine the scope of the additional items that may be required by the UIC program manager have not been productive. Therefore, it is suggested that it will be more efficient to prepare a design and permitting package with the currently available data, and that any additional items that may be needed can be addressed through Requests for Additional Information (RAIs) as necessary.

## **SCOPE OF SERVICES**

### **Task 1: Data Collection and Assessment**

This task consists of field data collection to support the permitting package through the collection of a water quality sample for analysis of TPH by the FL-PRO method. The water quality sample will be collected from approximately two feet below the water surface in the vicinity of the proposed injection well location using a dip wand. The water sample will be transferred to the appropriate sample container, sealed and immediately stored in an ice-filled cooler and delivered under chain-of-custody to Pace Analytical, a NELAC certified laboratory in Pompano Beach, Florida. The surface water sample will be submitted for laboratory analysis of TPH by FL-PRO.

The nutrient concentrations in the canal will be characterized using the monitoring data obtained from Canal 132 by Florida International University (FIU) as part of the canal demonstration program; which is comprised of ten samples collected between April 2014 and February 2016 for analysis of Nitrite + Nitrate, Nitrate, Nitrite, Ammonium, Total Nitrogen, Total Inorganic Nitrogen, Total Organic Nitrogen, Total Phosphorous, and Soluble Reactive Phosphorous.

Wood will provide a technical memorandum presenting the current and previous water quality data for Canal 132 as part of the permit application.

### **Task 2: Design Plans**

#### **2A: Preliminary Design Documents**

Wood will prepare a preliminary construction submittal. The Construction Documents will include each of the following components:

- Construction Plans – depicting site impacts, equipment layout, and utilities.
- Specifications – Technical specifications for the project, using Village Standards where applicable, other accepted industry specifications if needed (i.e. FDOT, SFWMD, etc.) or developed specifically for this project application if necessary.



- Schedules –A detailed construction schedule will be prepared, working closely with the Village and the homeowners.
- Estimate of Construction Cost – The cost for the canal restoration will be refined throughout the design process and a detailed Engineer's Opinion of Probable Cost will be prepared and submitted with the final construction documents.

Preliminary construction submittal will be submitted via electronic format to the Village for review and comment. Comments received will be addressed and resolved to the satisfaction of the Village as soon as practicable so as to not delay the design and permitting.

Wood will attend a conference call with the Village and the Homeowners Association to discuss the preliminary design submittal.

#### 2B: Final Construction Documents Completion Submittal

Wood will update the plans, specifications, and costing as required in response to feedback from the Village and regulatory comments. Comments received from the Village will be addressed and resolved prior to the submittal of the final construction documents and design specifications. The final design plans will include an existing site plan, proposed site plan, equipment locations, erosion and sediment control plans, and construction details.

#### **Task 3: Permit Application Assistance**

Wood will prepare a permitting package for a gravity flow injection well for submittal to the FDEP's UIC permitting section. Wood has held preliminary discussions with the FDEP, and it is anticipated that the gravity flow injection well be permitted as a Class V, Group 6 stormwater injection well. The permitting package will provide graphical depiction of the design, as well as supporting information; including but not limited to a design objective narrative, tidal conditions from published tidal stations, hydrogeologic conditions from published literature, estimates of potential flow rates and volumes, estimate of the potential mounding of the piezometric surface, pertinent available water quality data, and equipment specifications for the intake structure and the backflow prevention check valve.

The proposed scope includes one response to an RAI from the UIC permitting section, exclusive of analytical modelling.

Additionally, pre-permit application meetings will be held with required permitting agencies using the preliminary design plans to facilitate the acquisition of an Environmental Resource Permit



(ERP). Comments will be received during the pre-application meetings to complete and submit local, state, and federal permit applications as required, using the final design plans.

Permit applications will be submitted to the following agencies:

- FDEP
- USACE
- FKNMS
- Village

Wood will respond to Requests for Additional Information (RAI) for each permit application. Permit fees to the SFMWD are included but permit fees to the Village are not included as they are not known at this time.

If impacts to wetlands or benthic resources are identified, Wood will coordinate appropriate mitigation either onsite or through the purchase of mitigation credits. Costs to purchase mitigation credits are not included in the cost estimate as it is unknown at this time if mitigation will be required.

#### **Task 4: Support In Procurement Of A Construction Contractor**

Upon completion of the Construction Documents, Wood will assist the Village, who will be procuring the construction of the project, with the necessary procurement documents and meetings. Wood will provide the following services to assist the Village in the procurement of a contractor for the construction of the injection well:

- a) Prepare a Request for Proposal (RFP) Package which will include the 100% Construction documents completed by Wood
- b) Respond to applicable Proposers' Requests for Information (RFI's) and assist in the preparation of answers.
- c) Attend a Pre-Proposal Conference and site walk-through and prepare meeting minutes.
- d) Conduct a Responsibility Review of the Proposals.
- e) Attend a Pre-Award Conference with the Village, to discuss the Proposer's qualifications and understanding of the Project, if required.

## **DELIVERABLES:**

Task 1: Summary sampling report with analytical data.

Task 2: Final Signed and Sealed Construction Plans, Technical Specifications, and Engineers Cost Estimate

Task 3: Received permits from FDEP, USACE, FKNMS, and the Village

Task 4: Request for Proposal package

## **SCHEDULE**

Wood is prepared to initiate the services within one business week of receipt of authorization. Our field activities are expected to encompass a maximum of 7 days, unless field condition limitations are encountered. The preliminary design plans and initial permitting package will be provided 30 days following the field visit, and the final design plans and final permitting package will be provided within 15 days of the receipt of comments. The RFP will be provided 30 days following the submittal of the final permit package.

## **FEES**

Based upon our experience and our understanding of the project requirements, we propose to perform the outlined scope of services on a lump sum basis of \$42,388.50. Below is the breakdown of cost per task:

- Task 1: \$3,139.30
  - Task 2: \$16,773.20
  - Task 3: \$15,188.00
  - Task 4: \$7,288.00
- Total: \$42,388.50

## **ASSUMPTIONS**

1. All areas can be accessed safely and access to all areas is permitted during the assessment.

2. Wood will be allowed full and exclusive access to those areas or sites being inspected.
3. Our field work can be performed during normal working hours (defined as Monday through Friday, 7:00 a.m. to 6:00 p.m.).
4. Our field work will not be hindered by any on-site activities of others.
5. Any information that the Village has regarding drawings, repairs, updates, installation of equipment or utilities, or permitted work performed will be provided to us prior to our field visit.

## **CLOSING**

We appreciate this opportunity to offer our professional services to the Village on this project. We look forward to working with the Village, and are committed to providing the services required for successful completion of this important project within the time frame required.

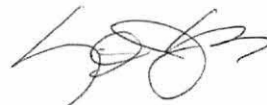
If you have any questions or comments regarding this proposal, please contact Greg Corning by email at [Greg.Corning@woodplc.com](mailto:Greg.Corning@woodplc.com) or by telephone at (314) 920-8359.

Sincerely,

**WOOD ENVIRONMENT & INFRASTRUCTURE SOLUTIONS, INC.**



Mark Tomczyk, PE  
Office Manager



Stephen Hanks, PE  
Senior Engineer



Greg Corning, PE  
Project Manager

Distributions: Addressee (1)

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