

**WORK ORDER NUMBER 6**  
**REUSE SYSTEM EVALUATION REPORT**

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This Work Order Number 6 is entered into as of this \_\_\_\_ day of \_\_\_\_\_, 2018, pursuant to that certain Extension and Amendment of Continuing Contract Agreement for Professional Services entered into as of this 4th day of November, 2014 (collectively referred to as the "Agreement") and that certain Extension of Continuing Contract Agreement for Professional Services entered into as of this 24th day of October, 2017 (collectively referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and MASTELLER & MOLER, INC. ("Consultant").

The COUNTY has selected the Consultant to perform the professional Scope of Services for the Fee Schedule and Timeframe set forth in Exhibit A (Scope of Work), attached to this Work Order and made 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:**  
**MASTELLER & MOLER, INC**

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

**By:**   
**Earl H. Masteller, PE, BCEE**  
**Title:** President

**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"**

**WORK ORDER NUMBER 6  
REUSE SYSTEM EVALUATION REPORT**

**GENERAL INFORMATION**

Masteller & Moler, Inc. (MM) is pleased to present you with Work Order Number 6 which provides Professional Engineering Services for preparation of a Reuse System Evaluation Report. The work order also includes design and preparation of Construction Plans and Bid Documents, if required, for the expansion and modification of the North County (Hobart Road) Reuse Pumping Facilities.

The Professional Engineering Services in this work order are needed at this time to provide for additional reuse water supply to the John's Island Community on the Barrier Island as required by a recent agreement between Indian River County and John's Island Water Management. In addition, the Reuse System Evaluation Report will provide an evaluation of specific portions of the existing reuse system. A brief description of the scope of services and deliverables for Work Order Number 6 is provided as follows:

**SCOPE OF SERVICES**

**Task A – Reuse System Evaluation Report**

Masteller & Moler, Inc. will prepare and provide a Reuse System Evaluation Report. The proposed report will include the following:

1. Barrier Island Reuse Expansion – Evaluation of existing Hobart Road Reuse Storage and Pumping Facility; Provide recommendations to extend reuse service to the Barrier Island, including 1.0 MGD to John's Island and other existing customers; If required by results of report, design of station upgrades, plans, specifications, and bid documents.
2. Evaluate existing County reuse system, including the following:
  - a. Reuse production, storage, and pumping capacity of the South, West, and Central Plants.
  - b. Transmission system capacity, including evaluation of the current bottleneck at the Landfill vicinity to West WWTP and also from the West WWTP to the Hobart Road Reuse Pump Station site.
  - c. Recommendations for improvements, and related cost estimates.

The following information is requested from the Utilities Department:

1. Monthly treated effluent flows generated by the wastewater treatment plants from 2008 to present.

2. The County’s estimated future reuse water flow quantity to be directed to future reuse water storage / disposal facilities other than the North County Storage and Pumping Facility.
3. Modeling information by Knight & McGuire of the proposed John’s Island reuse pipeline from Hobart Road and Old Dixie Highway to the pipeline termination on John’s Island.

**Task B – Expansion & Modification of the Hobart Road Reuse Water Pump Station and Storage Facilities**

If required, Masteller & Moler, Inc. will utilize the information generated in the above-referenced “Report” to design and prepare Construction Plans, Specifications, and Bid Documents showing and describing the expansion pumps, piping, valves, motors, electrical equipment and controls.

**Task C – Services During Bidding**

If required, Masteller & Moler, Inc. will assist the County during project bidding, bid review, and provide the County with our recommendations regarding contract award.

**Task D – Services During Construction**

If required, Masteller & Moler, Inc. will provide contract administration and periodic observation of construction of the project described in Task B on an as-needed basis to observe that construction is in reasonable compliance with the Contract Plans and Specifications. We will also attend meetings, review shop drawings and monthly pay estimates from the Contractor. Following successful completion of the Contract work as evidenced by as-builts and testing by the selected Contractor, we shall prepare Engineer’s Certificates confirming that the project improvements have been constructed in substantial conformance with design plans and specifications.

**Deliverables – The ENGINEER shall provide the COUNTY:**

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| a. Reuse System Evaluation Report               | 2 Copies |
| b. Preliminary Construction Plans (If Required) | 2 Sets   |
| c. Preliminary Specifications (If Required)     | 1 Copy   |
| d. Final Construction Plans (If Required)       | 10 Sets  |
| e. Final Specifications (If Required)           | 2 Copies |
| f. Related digital AutoCAD, DOC, and PDF files  |          |

**TIME SCHEDULE**

Project shall be completed as follows:

Reuse System Evaluation Report (after NTP Receipt)	75 Working Days
Preliminary Design, If Required (after NTP Receipt)	30 Working Days
Final Design, If Required (after Client Comments Receipt)	10 Working Days

**FEE SCHEDULE**

Masteller & Moler, Inc. proposes to provide the outlined Scope of Services based on the following lump sum fees:

- Task A – Reuse System Evaluation Report \$ 39,600.00
- Task B – Expansion of Pump System (If Required) \$ 11,850.00
- Task C – Bidding Services (If Required) \$ 5,310.00
- Task D – Services During Construction (If Required) \$ 7,650.00