

AMENDMENT NUMBER 1 TO AGREEMENT FOR PROFESSIONAL SERVICES
45th STREET ROADWAY IMPROVEMENTS – IRC-1722

This Amendment No. 1 to Agreement for Professional Services is entered into as of this ____ day of _____, 201_, pursuant to that certain Agreement for Professional Services, dated March 13th, 2018 (“Agreement”), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida (“COUNTY”) and Masteller & Moler, Inc. (“Consultant”).

1. The COUNTY has selected the Consultant to perform the professional services set forth in existing Agreement, Effective Date March 13, 2018.

2. The COUNTY and the Consultant desire to amend this Agreement as set forth on Exhibit A attached to this Amendment and made part hereof by this reference, all in accordance with the terms and provisions set forth in the Agreement.

3. From and after the Effective Date of this Amendment, the above-referenced Agreement is amended as set forth in this Amendment. Pursuant to the Agreement, nothing contained in any amendments to the Agreement shall conflict with the terms of the Agreement and the terms of the Agreement shall be deemed to be incorporated in each Amendment as if fully set forth herein.

IN WITNESS WHEREOF, the parties hereto have executed this Amendment No. 1 as of the date first written above.

CONSULTANT:
MASTELLER & MOLER, INC

BOARD OF COUNTY COMMISSIONERS
OF INDIAN RIVER COUNTY

By: _____
Stephen E. Moler, PE
Title: Vice President

By: _____
Bob Solari, 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

Masteller & Moler, Inc. (MM) has in conjunction with Indian River County Department of Utility Services (IRCDUS) Staff reviewed the Construction Plans for 45th Street to identify locations where IRCDUS has existing water and wastewater mains that are expected to conflict with the proposed locations for stormwater culverts planned for the proposed project.

Task H – Land Surveying: As requested by John Boyer, PE of the Indian River County Department of Utilities Services (IRCDUS), we shall have Masteller, Moler & Taylor (MMT) set a stake in the field at all proposed storm culvert crossings along the project route for use by IRCDUS's pot-hole consultant at the locations listed in the Table below.

It is understood once potential conflict locations have been staked by MMT, the IRCDUS's pot-hole consultant will pothole the water main / force main such that its depth on NAVD'88 datum can be determined. The IRCDUS pothole consultant, we understand, will not need the services of MMT to obtain the existing utility main elevations on NAVD88 datum.

Task I – 45th Street Utility Adjustment Design: Using the above-described information, MM will determine if a vertical conflict exists that will require either the water main or wastewater main to be adjusted. If so, MM will prepare designs for each conflict location to allow for the water main and/or force main to be adjusted to avoid conflict with the proposed stormwater culvert design. It should be noted under MM's "Agreement" for 45th Street conflict resolution for various water services was included in the design scope. As such, that scope of service is not included in this Amendment. As a result of review of the 45th Street Construction Plans, it is anticipated that potential conflict locations occur at the following sites:

Station	Offset	Existing IRC Utility	Proposed Storm
290+08.0	20.2' R	8" DIP WM	24" RCP
290+08.3	20.3' L	6" PVC FM	24" RCP
292+94.5	30.0' L	6" PVC FM	Type E Inlet
292+97.1	9.9' R	8" DIP WM	18" RCP
295+01.4	43.9' L	6" PVC FM	18" RCP
295+02.9	2.9' L	8" DIP WM	24" RCP
297+87.7	4.4' L	8" DIP WM	24" RCP
297+87.7	46.9' L	6" PVC FM	18" RCP
299+37.3	47.1' L	6" PVC FM	Type E Inlet (Round)
299+46.9	4.8' L	8" DIP WM	24" RCP
300+81.0	3.2' L	10" DIP WM	24" RCP
302+96.9	4.1' L	10" DIP WM	24" RCP
304+96.9	32.7' L	10" DIP WM	24" RCP
306+31.7	39.1' L	6" PVC WM	18" RCP



306+65.7	32.9' L	10" DIP WM	18" RCP
309+32.2	32.3' L	10" DIP WM	24" RCP
311+77.3	32.4' L	10" DIP WM	24" RCP
314+99.3	32.3' L	10" DIP WM	18" RCP
316+57.6	32.8' L	10" DIP WM	18" RCP
320+15.9	32.1' L	10" DIP WM	18" RCP
320+33.4	23.8	8" PVC WM	18" RCP
320+34.0	17.3' R	8" PVC WM	58"x91" ERCP
320+99.4	17.3' R	2.5" FM	58"x91" ERCP
323+48.2	34.5' L	10" DIP WM	18" RCP
326+73.3	33.0' L	10" DIP WM	24" RCP
327+27.1	60.2' L	6" PVC WM	24" RCP
331+97.0	30.9' L	10" DIP WM	18" RCP
334+15.7	31.6' L	10" DIP WM	18" RCP
337+19.6	29.3' L	8"/10" DIP WM	24" RCP
339+30.4	29.2' L	8" DIP WM	24" RCP
343+93.9	31.9' L	8" DIP WM	36" RCP
345+17.1	32.2' L	8" DIP WM	24" RCP
347+25.2	28.9' L	8" DIP WM	24" RCP
350+72.9	33.1' L	8" DIP WM	30" RCP
352+62.2	15.3' L	8" DIP WM	18" RCP
801+44.7 to 801+86.3	33'± L	10" PVC FM	(2) J-7 M.H. & 54" RCP
801+48.6	19.6' R	6" PVC WM	54" RCP
801+48.6	31.5' R	4" PVC FM	54" RCP

It has been our experience the water main adjustments described above will not require Florida Department of Environmental Protection (FDEP) permit approval.

Task J – 43rd Avenue / 45th Street Intersection Utility Adjustments Design & Permitting: Our scope of services also includes a utility adjustment design for the existing water / wastewater improvements generally parallel with 43rd Avenue at intersection of 43rd Avenue and 45th Street as follows:

1. 10" force main along the west side of 43rd Avenue;
2. 4" force main along the east side of 43rd Avenue;
3. 6" potable water main in the northbound lane of 43rd Avenue

Both the water and force mains described above conflict with the proposed location for the piping to be installed in the IRFWCD Sub-lateral A-7 stormwater piping improvements planned along 45th Street. It is expected due to the length of water main and force main adjustments to be designed at the 43rd Avenue and 45th Street intersection that FDEP permits will need to be obtained.



It should be noted the above-described scope of services does not include any utility adjustment design services for the existing IRCDUS 20" water main and/or force main system on running parallel with 58th Avenue at 45th Street.

Fee Schedule:

The **COUNTY** agrees to pay, and the **CONSULTANT** agrees to accept a lump sum amount for the above-described services as listed below:

Task H: Land Surveying	\$ 3,000.00
Task I: Design	\$ 28,500.00
<u>Task J: 43rd Utility Design / Permitting</u>	<u>\$ 12,000.00</u>
Total Lump Sum	\$ 43,500.00

Time Schedule:**Amendment No. 1 shall be completed as follows:**

- | | |
|---|------------------|
| A. Task H: Land Surveying | 20 Working Days |
| B. Task I: Design | 20 Working Days* |
| C. Task J: 43 rd Utility Design / Permitting | 30 Working Days |

* Following receipt of Depth Information of NAVD'88 datum.

Deliverables – the CONSULTANT shall provide to IRCUD:

- | | |
|---|--------------------|
| a. Construction Plans (Preliminary) 11" x 17" & 24" x 36" | 2 sets |
| b. Construction Plans (Final) 11" x 17" & 24" x 36" | 2 sets & 1 Digital |