



Board of County Commissioners

1801 27th Street
Vero Beach, Florida 32960
Telephone: (772) 567-8000 FAX: 772-778-9391

Project:

**WORK ORDER NO. 3 (Engineering)
FOR
PROFESSIONAL SERVICES AGREEMENT
FOR PROFESSIONAL CIVIL ENGINEERING SERVICES CONTRACT
WITH
Masteller & Moler, Inc.**

**SIDEWALK ALONG 64TH AVENUE FROM 86TH LANE TO WEST WABASSO PARK –
IRC Project No. 1725**

This Work Order No. 3 is in accordance with the existing AGREEMENT dated November 4th, 2014 between Masteller & Moler, Inc. (**ENGINEER**) and Indian River County (**COUNTY**). This Work Order No. 3 amends the agreement as follows:

SECTION I - PROJECT LIMITS

This Work Order No. 3 is for the **ENGINEER** to perform professional engineering services in connection with the planning, design, and permitting of sidewalk along 64th Avenue from 86th Lane to Wabasso Park.

SECTION II - SCOPE OF SERVICES

As agreed upon between **ENGINEER** and the **COUNTY**, the **ENGINEER** shall provide Professional Engineering services to complete all tasks as outlined in this Work Order No. 3 as follows:

Task A – Land Surveying:

The County has provided a Route Survey generally following the limits of the project on NGVD'29 datum in Autocadd format and hard copy format sign & sealed. If necessary, we shall provide additional surveying to supplement the information provided by the County. As it is not known if additional survey information will be required, we will provide for this service on an as needed basis.

Task B – Soils Borings:

We shall obtain six (6) hand augers along the route of the project to verify the stability of soils along the route.

Task C – Sidewalk Design:

We shall provide design services for the construction of a sidewalk along 64th Avenue and the West Wabasso Park Entry Road. The design shall be depicted on both plan views and cross-sections with sufficient details to allow a contractor to clearly understand the scope of work for bidding and construction of the project.

The proposed five foot (5') wide, six inch (6") thick sidewalk shall be designed to be constructed on the west side of 64th Avenue beginning on the northwest corner of 86th Lane. The design shall provide for the installation of both a stop bar and crosswalk at said intersection.

The proposed sidewalk along 64th Avenue will generally slope towards the west into existing available swale drainage. The elevation of the sidewalk shall generally be set to allow for continuation of the crowned street drainage from the 64th Avenue centerline across the sidewalk to the swale drainage system.

The 5' wide sidewalk along the West Wabasso Park Entrance Road shall be designed along the north side of the existing roadway with a 6' separation from the edge of pavement. It is understood the County will be preparing a Maintenance Map which shall depict the north right-of-way line a sufficient distance north of the existing edge of pavement such that the sidewalk will be situated in the right-of-way.

The existing 36" CMP culvert crossing 64th Avenue at Station 113+40 and 12" x 18" CMP as depicted on the Route Survey provided by the County shall be designed to be replaced with reinforced concrete pipes (RCP's) of equal size with FDOT Standard headwalls. (No drainage calculations will be performed to validate the size of the culverts.)

The existing 48" CMP beneath West Wabasso Park Entrance road at Station 14+85 as depicted on the Route Survey provided by the County shall be designed to be replaced with a 38" x 60" elliptical reinforced concrete pipe (ERCP) with FDOT Standard headwalls. (No drainage calculations will be performed to validate the size of said culvert.)

Along the route of the project we shall design for all driveways on the same side of the street as the proposed sidewalk to be replaced with six inch (6") thick concrete with FDOT flared end sections.

Our design plans shall also describe adjustments that may be required to existing water meters, fire hydrants, water valves, and other physical features along the route. The plans will also include modifications to drainage facilities along the route of the project that may be impacted by the proposed sidewalk location. It is anticipated some water meters may need to remain in the new sidewalk.

The sidewalk shall terminate 10' +/- to the east of the existing vehicular entry gate at the West Wabasso Park. The design shall provide for the installation of a pedestrian gate generally within the alignment of the existing fencing near the park entry.

Items to Be Provided By Client:

To support our design and permitting services on this project, it is understood the County will provide the following information:

1. Route Survey in Autocadd with topographic survey information on either NGVD'29 or NAVD'88 datum as desired the County.

Any and all items not specifically set forth in this Work Order are excluded. Specifically excluded items include but are not limited to: application fees, drainage computations; and construction services.

SECTION III - TIME FOR COMPLETION & DELIVERABLES/WORK PRODUCT

1. **Project shall be completed as follows:**

Task A – Land Surveying	As Needed
Task B – Soil Borings	10 Working Days
Task C – Design (Civil) / Site Plan Application	40 Working Days
2. **Deliverables** – The **ENGINEER** shall provide the **COUNTY**:
 - a. Preliminary Construction Plans 2 Sets
 - b. Final Construction Plans 10 Sets
 - c. Permit Application Forms As Required
 - d. Related digital AutoCAD and PDF files

SECTION IV - COMPENSATION

The **COUNTY** agrees to pay, and the **ENGINEER** agrees to accept a maximum not-to-exceed amount of \$ 21,435.00 for the above-described services rendered as identified in Sections I and II of this Work Order No. 3 based on the following:

Task A - Land Surveying (Hourly)	\$ 3,000.00	(See Note Below)
Task B – Soil Borings	\$ 750.00	
Task C – Sidewalk & Drainage Improvements Design	\$16,685.00	
<u>Reimbursables (max.)</u>	<u>\$ 1,000.00</u>	
Total Maximum Amount Not-To-Exceed	\$21,435.00	

Note: Task A is a budget figure that will only be invoiced if MMT is requested to perform supplemental land surveying along the project route.

Reimbursement for payment of direct costs, including reproduction, copies, prints, mail, Fed-Ex, etc. is estimated at \$ 1,000.00. Actual cost will vary depending on quantity provided.

We shall invoice monthly for these services based on the percentage of completion of each task.

All and/or any additional services not described hereon shall be pre-approved by the **COUNTY**. Approved additional services shall be invoiced at the rates disclosed in the approved fee schedule with the **ENGINEER**.

The AGREEMENT is hereby mended as specifically set forth herein. All remaining sections of the AGREEMENT shall remain in full force and effect, and are incorporated herein.

IN WITNESS WHEREOF the parties hereto have executed these presents this _____ day of _____, 20__.

**CONSULTANT:
MASTELLER & MOLER, INC**

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

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

By: _____
Joseph E. Flescher, 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