1655 27th Street, Ste. 2, Vero Beach, FL 32960
(772) 567-5300

EXHIBIT A

The Indian River County Parks and Recreation Division (IRCPRD) plans to modify and improve the existing crushed shell walking path within and around the West Wabasso Park. Under Work Order 5 of the 2018 Agreement, Masteller & Moler, Inc. (MM) performed conceptual planning and submitted for, and attended, an IRCCD Pre-Application Conference

This Work Order proposes to provide for the engineering design and preparation of construction plans, site planning and project permitting, bidding services, and construction administration and observation services for the West Wabasso Park Improvements.

Scope of Work:

Task A – Surveying Services

Masteller & Moler, Inc. shall use the services of our survey sub-consultant Masteller, Moler, & Taylor, Inc. to provide a Site Survey for Engineering Utility & Site Design purposes for this project. The proposed serpentine patterned stabilized walking path internal to the park connecting to the proposed stabilized looped walking path around the exterior of the park. A proposed stabilized parking area in the south east quadrant of the park is to be created to better service park users.

Masteller & Moler, Inc. shall locate all specimen hardwoods greater than 4" in caliper and all Cabbage palms with 10' or greater of clear trunk within the proposed clearing limits.

The Site Survey will include location of all visible improvements within the proposed project limits. Elevations will be based on NAVD 1988 and cross sections will be obtained on an as-needed basis. Base Plans will be generated showing the Site Survey information for use in preparing the Engineering Design Construction Plans.

Task B – Engineering Design & Preparation of Construction Plans

Masteller & Moler, Inc. shall use the aforementioned Base Plans for design and preparation of Construction Plans for the location and requirements for the new proposed serpentine patterned stabilized walking path internal to the park connecting to the proposed looped stabilized walking path around the exterior of the park. A proposed stabilized parking area in the south east quadrant of the park is intended to be created to better serve park users.

Task C – Minor Site Plan Approval

A Pre-Application Conference with the Technical Review Committee (TRC) was held on February 27th, 2023 to discuss the Project requirements based on a Conceptual Site Plan that was submitted along with the Conference request. Masteller & Moler, Inc. shall utilize the aforementioned design and construction plans for submittal to the County Planning Department to secure Minor Site Plan Approval based on comments provided by TRC Staff at the pre-application conference. The Plans shall include improvements necessary to facilitate Minor Site Plan Approval generally including but not limited to:

- Location of the proposed stabilized walking path;

- Location of stormwater management dry retention area;
- Location of the existing Trees.

The permit review fee yet to be determined is excluded from this Work Order. Following the submittal, we shall complete any required additional rounds of responses following the first round based on hours expended multiplied by the appropriate job classification rate set forth in Exhibit 1 attached to the Agreement for a fee not to exceed $2,710.00.

Task D – Soils Engineering Services

Masteller & Moler, Inc. shall use the services of our soils engineering sub-consultant KSM Engineering & Testing to provide soil engineering services for the project as follows:

- Perform one (1) soil boring to a depth of 20' below grade within the limits of the proposed dry retention area;
- Perform one (1) "Usual Open Hole" constant head permeability test up to a depth of 5' below grade within the limits of the proposed dry retention area;
    - Obtain (1) soil sample for each strata encountered;
    - Perform laboratory testing and engineering calculations to determine the saturated permeability coefficient "Ksat" value for each sampled stratum;
- Obtain (1) sample for each encountered stratum from a depth range of 6' to 20' below grade;
    - Perform laboratory testing and engineering calculations to determine the saturated permeability coefficient "Ksat" value for each sampled stratum.
    - Perform (1) Sieve Analysis (includes Fines Content Test) for each sampled stratum (includes sampled stratum from the first 5 feet below grade).
    - Perform laboratory testing and engineering calculations to determine the Coefficient of Uniformity "Cu", Coefficient of Curvature "Cc" for each stratum, and, if applicable, the fineness module for the soil profile.
- Provide a report detailing all findings and conclusions as to the suitability of the subsurface soils per IRC requirements for the project.

Task E – Supporting Permits

Masteller & Moler, Inc. shall secure the supporting permits for the proposed work from the following agencies:

- Indian River County Public Works – Type A SWMS Permit (Review fee of $ 850.00)
- SJRWMD 10-2 Self-Certification (Review fee TBD)
- Tree Removal Permit (Review fee of $200.00) (If Required)
- Land Clearing Permit (Review fee of $120.00) (If Required)

Permit application fees are included for reference only and are excluded from this Work Order.

Task F – Bidding Services and Specifications

Using IRC standard bid documents, Masteller & Moler Inc. shall prepare Contract Plans and Specifications with Bid Documents to allow the Indian River County Purchasing Department to advertise and bid the proposed Site Improvements Project. Additionally, we will provide engineering services during the project's bidding process generally including but not limited to the following:

1. Preparation for and attendance at a mandatory pre-bid meeting and preparation of a letter of response to include in an addendum.
2. Revise and/or amend Contract Plans and Specifications and prepare written addendum / addenda during bidding to reflect any comments and/ or requirements by permitting agencies.
3. Research and responses to bidders' questions to be incorporated into written addenda during the bidding process.
4. Review submitted bids, evaluate for correctness and completion, compile bid comparison by line item for each bidder, contact references (if applicable), and provide Letter of Findings and Recommendation of Contract Award.

Task G – Construction Administration and Observation

Masteller & Moler, Inc. shall provide engineering services as needed during the construction of the project generally including but not limited to the following:

1. Preparation for and attendance of a mandatory pre-construction meeting;
2. Periodic construction observations as needed;
3. Perform the walkthrough at the end of the construction;
4. Provide a punch list to the Contractor;
5. Review the As-built drawings;
6. Prepare Project Close-out/Certification documents.

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

a. 60% Construction Plans and Preliminary Specifications – 1 Hard Copy + PDF
b. Final Construction Plans - 2 Sets + PDF
c. Bid Documents and Final Specifications necessary for Advertisement and Bidding of the work
d. Related digital AutoCAD, DOC, and PDF files

TIME SCHEDULE

Project shall be completed as follows:

Engineering Design & Preparation of Construction Plans (after NTP Receipt)	60 Working Days
Submittal of Permit Applications (after NTP Receipt)	80 Working Days

FEE SCHEDULE

The COUNTY agrees to pay, and the ENGINEER agrees to accept a maximum not-to-exceed amount of $47,120.00 for the above-described services rendered based on the following:

Task A – Surveying Services	$	7,700.00
Task B – Engineering Design & Preparation of Construction Plans	$	10,760.00
Task C – Minor Site Plan Approval*	$	4,160.00
Additional rounds of responses, hourly NTE (if necessary)	$	2,710.00
Task D – Soils Engineering Services	$	2,300.00
Task E – Permitting*	$	6,700.00
Task F – Bidding Services and Specifications	$	7,110.00
Task G – Construction Administration Services	$	5,680.00
Project Total	$	47,120.00

* Permit review fees are excluded from this Work Order.