

WORKORDER NUMBER # 2

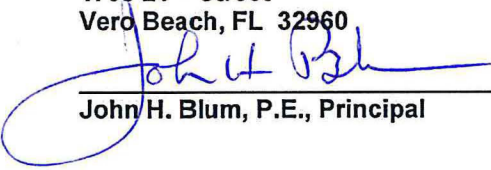
**Indian River County Conservation Lands – Parks & Conservation Resources  
Public Access Improvements for Sebastian Harbor Preserve**

This Work Order Number #2 is entered into as of this 5th day of March, 2019, pursuant to that certain Continuing Consulting Engineering Services Agreement for Professional Services entered into as of this 17th day of April, 2018 (collectively referred to as the "Agreement"), by and between INDIAN RIVER COUNTY, a political subdivision of the State of Florida ("COUNTY") and Carter Associates, Inc. ("Consultant").

The COUNTY has selected the Consultant to perform the professional services set forth on Exhibit A (Scope of Work and Budget), attached to this Work Order and made part hereof by this reference. 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.

CARTER ASSOCIATES, INC.  
1708 21<sup>ST</sup> Street  
Vero Beach, FL 32960

  
\_\_\_\_\_  
John H. Blum, P.E., Principal

BOARD OF COUNTY COMMISSION  
Indian River County, Florida

\_\_\_\_\_  
Bob Solari, Chairman

APPROVED BY BCC: March 5, 2019

ATTEST: Jeffrey R. Smith, Clerk of Court and  
Comptroller

By:

\_\_\_\_\_  
Deputy Clerk

Approved as to form and legal sufficiency:

\_\_\_\_\_  
Dylan Reingold, County Attorney  
Indian River County, Florida

Approved:

\_\_\_\_\_  
Jason E. Brown, County Administrator  
Indian River County, Florida

**EXHIBIT A**

**INDIAN RIVER COUNTY PARKS DIVISION  
PROPOSED CIVIL ENGINEERING AND SURVEYING SCOPE / BUDGET  
SEBASTIAN HARBOR PRESERVER  
BOARDWALKS, PARKING LOT, PAVILION, AND STORMATER FEATURE  
February 2019**

CAI will provide the following scope of services:

**TASK 1 - SITE SURVEYS & SOILS INVESTIGATION**

- Perform specific purpose survey of the southeastern portion of the property including the following: Field recover, record, and verify southeastern property corner, above ground existing improvements, perimeter boundary line physical encroachments, and all adjacent off-site above ground improvements including edge of pavement (Englar Drive), aprons, signs, utility markers, drainage structures, swales, etc.
- Topographic Survey On-site and immediately Off-site for Site Planning Purposes – Perform differential level circuit from a published record vertical benchmark to establish on-site temporary vertical benchmark for survey, design, and construction purposes. Observe and record vertical data of general existing on-site conditions and ground elevations around the southeastern corner perimeter boundary and the adjacent off-site conditions of road, drainage, and above ground (visible) utility services.
- Locate and survey wetland flags with elevations for jurisdictional determination.
- Perform Tree Location Survey showing all protected trees including species and diameter of trunk within area defined above.
- Perform soil borings and design report for the stormwater feature, parking lot subgrade, and pavilion foundation improvements.

**Fees for Task 1 services are estimated @ ..... \$7,900.00.**

**TASK 2 –SITE PLAN APPROVAL**

- Develop dimensional site plan conforming to local permitting requirements. Depict existing boardwalks and proposed parking lot, driveway connection, and buildings (pavilion). Prepare site data to include land use calculations, setbacks, and open space. Complete and submit applications for site plan approval including all checklist items required by the City of Sebastian.
- Prepare stormwater management report for proposed stormwater feature to include flood routings, retention sizing, discharge calculations, and recovery analysis.



- Prepare “code minimum” landscape plan to meet City requirements along with wetland planting plan (by others) for the proposed stormwater feature.
- Attend Planning and Zoning Board meeting for review and approval of Site Plan.

**Fees for Task 2 services are estimated @ ..... \$7,400.00.**

**TASK 3 – CONSTRUCTION PLANS AND SPECIFICATIONS**

Develop drainage and grading plans for proposed parking lot and pavilion. Provide details for stormwater feature along with cross-sections. Prepare project specifications sufficient for bidding. Prepare preliminary engineer’s cost estimate for construction.

**Fees for Task 3 services are estimated @ ..... \$1,700.00.**

**TASK 4 - PERMITTING**

Prepare application documents to obtain the following permits:

- City of Sebastian Site Plan
- City of Sebastian Right-of-Way Permit
- City of Sebastian Land Clearing and Tree Removal Permits
- St. Johns River Water Management District Environmental Resource Permit.
- Army Corp of Engineers Nationwide (if applicable)

**Fees for Task 4 services are estimated @ ..... \$2,900.00.**

**TASK 5 - BID DOCUMENTS**

It is assumed INDIAN RIVER COUNTY will prepare a contract for construction, including bidding requirements and general conditions. ENGINEER will provide technical specifications and project plans in sufficient detail to define the scope and requirements for the site plan and stormwater feature. ENGINEER will assist INDIAN RIVER COUNTY in bidding the project by attending a pre-bid meeting and by addressing inquiries from potential bidders regarding the scope of the proposed work. ENGINEER will assist the County during project bid review and provide a letter summarizing our recommendations regarding contract award.

**Fees for Task 5 services are estimated @ ..... \$2,400.00.**

**TASK 6 - CONSTRUCTION SERVICES**

Review contractor’s material submittals and scheduling. Construction inspection services will be provided for the duration of construction in order to ensure that the contractor’s work conforms

to the requirements of the project design drawings and specifications. Provide certifications upon completion of construction and review of contractor provided as-builts.

Fees for Task 6 services are estimated @ ..... \$2,100.00.

**TASK 7 – REIMBURSABLE EXPENSES**

Reimbursable expenses, such as postage, long distance calls, mileage, fax transmittals, prints, copies, vellum, etc.

Fees for Task 7 services are estimated @..... \$500.00.

**TOTAL ENGINEERING BUDGET  
FOR TASKS 1 THRU 7 NOT TO EXCEED A FEE OF..... \$24,900.00.**

**ENGINEERING SCOPE ASSUMPTIONS:**

In developing this Scope of Services, ENGINEER represents to the INDIAN RIVER COUNTY that the following assumptions have been made and that deviation from these assumptions may require additional work and compensation on behalf of INDIAN RIVER COUNTY to the ENGINEER.

1. This proposal specifically excludes all application and/or impact fees, which shall be the responsibility of the INDIAN RIVER COUNTY.
2. This Scope of Services specifically excludes preparation of legal documents, easement descriptions, structural, mechanical, electrical, and architectural work.
3. It is assumed that there is no new water or sewer improvements associated with this project. In addition, there is an existing fire hydrant located on the north side of Englar Drive near the southeastern corner of the property and is within 500 feet of the proposed pavilion for the required fire protection.
4. Wetland planting design drawings and installation will be provided by others.
5. Construction stakeout and as-builts are not included with this proposal.



**CARTER ASSOCIATES, INC.**

**JANUARY 2019**

**FEE SCHEDULE**

<b><u>Staff Type:</u></b>	<b><u>Hourly Rates</u></b>
Engineer (Principal)	\$165.00
Engineer I	\$140.00
Engineer II	\$125.00
Engineer III	\$115.00
Engineer IV	\$105.00
Engineer V	\$ 95.00
Surveyor (Principal)	\$165.00
Surveyor (Sr. Consultant)	\$140.00
Surveyor I	\$140.00
Surveyor II	\$125.00
Surveyor III	\$105.00
CAD/GIS Tech I	\$115.00
CAD/GIS Tech II	\$110.00
CAD/GIS Tech III	\$105.00
CAD/GIS Tech IV	\$ 95.00
CAD/GIS Tech V	\$ 85.00
Administrative Staff	\$ 60.00
Expert Witness	\$300.00
4 Man Survey Crew	\$175.00
3-Man Survey Crew	\$150.00
2-Man Survey Crew	\$135.00
1-Man Survey Crew	\$110.00
Inspector	\$ 65.00
<b><u>SPECIALIZED EQUIPMENT:</u></b>	
Leica HD P40 Scanner	\$175.00/Hour
Aluminum Boat	\$500.00/Day
All-Terrain Vehicle (ATV)/Trailer	\$250.00/Day
	\$1,000.00/Week
<b><u>REIMBURSABLE EXPENSES:</u></b>	
Postage, Express Mail, etc.	Cost
Blueprints/Blackline (24" x 36")	\$2.00/Each
Color Prints (24"x36)	\$5.00/Each
Mileage	IRS Standard Rate
Mylar	\$7.00/Each
Photocopies:	
8.5" x 11"	15¢/Each
8.5" x 14"	25¢/Each
11" x 17"	35¢/Each
Concrete Monuments	\$20.00/Each
Rebar	\$ 2.50/Each
Laths	\$ 0.75/Each
Hubs	\$ 1.00/Each
<b><u>Sub-Consultants</u></b>	
Cost + 10%	

Note: These hourly billing rates will remain effective for the duration of this Agreement.