



Board of County Commissioners

Administration - Building A

1801 27th Street

Vero Beach, Florida 32960

Telephone: (772) 567-8000 FAX: 772-778-9391

**Project:
Sector 5 Beach and Dune Restoration Project – Erosion Control Line
Survey**

**WORK ORDER NO. 6 (Hydrographic Surveying)
FOR
PROFESSIONAL SERVICES AGREEMENT
ANNUAL SURVEYING and MAPPING/GIS SERVICES
WITH**

MORGAN AND EKLUND, INC

In accordance with Contract No. 1605 2016-2018

This Work Order No. 6 is in accordance with the existing AGREEMENT dated October 4, 2016 and as amended October 18, 2016, between Morgan and Eklund, Inc., (**SURVEYOR**) and Indian River County (**COUNTY**); This Work Order No. 6 amends the agreement as follows:

SECTION I – PROJECT LIMITS

This Work Order No. 6 is for the **SURVEYOR** to perform all related field and office Surveying and Mapping services in connection with the **Sector 5 Beach and Dune Restoration Project – Erosion Control Line Survey**; Florida Department of Environmental Protection Reference Monuments R-70 – R-86.

SECTION II - SCOPE OF SERVICES

As agreed upon between **SURVEYOR** and **COUNTY**, the **SURVEYOR** shall provide Professional Land Surveying services to complete all tasks as outlined in this Work Order No. 6; specifically detailed in the attached proposal Exhibit A.

SECTION III – TIME FOR COMPLETION & DELIVERABLES/WORK PRODUCT

1. Project shall be completed as follows:

- a. 100% "Paper" review submittal (final review prior to request for final deliverables) shall be made within 90 calendar days of receipt of Notice to Proceed for review by County Staff prior to preparing the final submittal package.
- b. Time of FINAL project completion shall be within 10 calendar days of receipt of the County's review comments from the 100% "Paper Submittal".

2. **Deliverables** -The **SURVEYOR** shall provide the **COUNTY**:
- a. 100% Phase Submittal for **COUNTY** review and comment. All submittals shall include one (1) paper "hardcopy" along with AutoCad Files and an ASCII file for all survey points. **COUNTY** shall strive to provide review comments within 10 calendar days of the preliminary submittal.
 - b. FINAL Deliverables, one (1) paper "hardcopy" signed and sealed sets. Sheeted and model space (as applicable) AutoCad drawing file in release 2009 through Civil 3D 2013, PDF formats and an ASCII file for all survey points, all electronic files to be on CD.
 - c. Survey set/sheets shall include a cover sheet with location sketch, survey certifications, related title and project number, survey notes, legend and abbreviations and plan view sheets.
 - d. Work Product and digital versions are to be prepared and submitted so that the **COUNTY** or other consultants can readily use it for the design and analysis of the area, as defined. It shall contain all information necessary for third-party surveyor to independently recreate and/or utilize the survey work. It is acknowledged all final products become property of Indian River **COUNTY** and will be available for use by the public at large.
 - e. The **SURVEYOR'S** work product shall meet or exceed the minimum standards as defined by Sections II, III and IV or the **COUNTY** will not approve the **SURVEYOR'S** request for payment.

SECTION IV – COMPENSATION

The **COUNTY** agrees to pay, and the **SURVEYOR** agrees to accept, for the above described services rendered as identified in Sections I, II, and III of this Work Order No. 6, for a total lump sum fee of \$20,000.

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 **SURVEYOR** for the contract year(s) of October 1, 2016 through September 30, 2018.

All invoicing shall include Work Order No. 6 (WO 6), Contract Number (1605). Payments shall be in accordance with the original Professional Surveying and Mapping Services Agreement, Contract No: 1605 with the **COUNTY** and as stated in Section II, III and IV hereon.

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

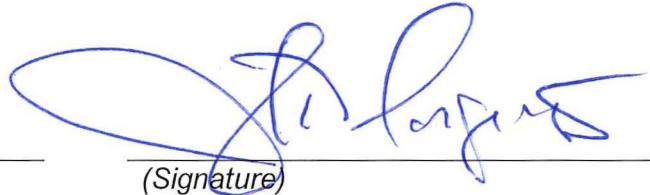
IN WITNESS WHEREOF the parties hereto have executed these presents this _____ day of _____ 2018.

**OWNER
BOARD OF COUNTY COMMISSIONERS
INDIAN RIVER COUNTY, FLORIDA**

Morgan and Eklund, Inc.

(Signature)

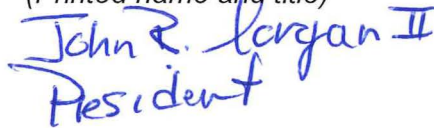
Peter D. O'Bryan, Chairman



(Signature)

John R. Morgan, President

(Printed name and title)


President

Approved by BCC _____

ATTEST:

**Jeffrey R. Smith, Clerk of Court and
Comptroller**

Witnessed by:

(Seal) Deputy Clerk



(Signature)

Approved:

Jason E. Brown, COUNTY Administrator

Approved as to Form and Legal Sufficiency:

**William K. DeBraul, Deputy COUNTY
Attorney**

EXHIBIT A



Morgan & Eklund, Inc.

4909 US Highway 1
Vero Beach, Florida 32967

Phone: 772-388-5364
Fax: 772-388-3165

April 2, 2018

Indian River County
Attn: Mr. James Gray, Jr.
Coastal Engineer
1801 27th Street, Building A
Vero Beach, FL 32960

**RE: Mean High Water Line/Proposed Erosion Control Line for Sector 5 (FDEP
Monuments R-70 to R-86, 3 miles ±), Indian River County, FL**

Dear James:

Morgan & Eklund, Inc. is pleased to provide you with the following proposal to furnish survey and mapping services for the above referenced project.

In accordance with the scope of work as provided, I estimate our costs to be as follows:

A. Project planning, coordinate with FDEP

Chief Surveyor		
4 hours @ \$120/hr.....	\$	480.00
Project Surveyor		
16 hours @ \$95.00/hr.....	\$	1,520.00
	\$	<u>2,000.00</u>

B. Field survey (trace Mean High Water Line)

Three Man GPS Crew		
32 hours @ \$165/hr.....	\$	5,280.00
Polaris Beach Vehicle		
4 days @ \$75.00/day.....	\$	300.00
	\$	<u>5,580.00</u>

C. Obtain and plot property owners along proposed Erosion Control Line on FDEP aerial images

Project Surveyor		
24 hours @ \$95/hr.....	\$	2,280.00
Senior Survey Computer Technician		
32 hours @ \$75.00/hr.....	\$	2,400.00
	\$	<u>4,680.00</u>

D. Plot Mean High Water Line and prepare legal description

Project Surveyor		
32 hours @ \$95/hr.....	\$	3,040.00
Senior Survey Computer Technician		
32 hours @ \$75.00/hr.....	\$	2,400.00
	\$	<u>5,440.00</u>

E. Cover sheet, signature blocks

Project Surveyor		
4 hours @ \$95/hr.....	\$	380.00
Senior Survey Computer Technician		
4 hours @ \$75.00/hr.....	\$	300.00
	\$	<u>680.00</u>

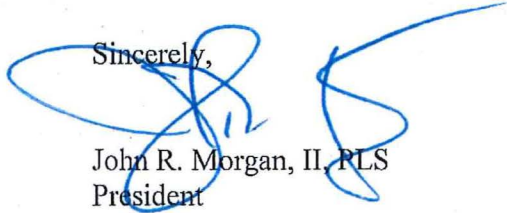
F. Coordinate with FDEP during review and acceptance

Chief Surveyor		
4 hours @ \$120/hr.....	\$	480.00
Project Surveyor		
12 hours @ \$95.00/hr.....	\$	1,140.00
	\$	<u>1,620.00</u>

Total Cost A-F\$ 20,000.00

As always, Morgan & Eklund, Inc. is looking forward to working with you and Indian River County on this project.

Sincerely,



John R. Morgan, II, PLS
President

JRM:dmc