



**HUMISTON  
& MOORE  
ENGINEERS**

COASTAL  
ENGINEERING DESIGN  
AND PERMITTING

5679 STRAND COURT  
NAPLES, FLORIDA 34110  
FAX: 239 594 2025  
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**SCOPE OF SERVICES**

**Tigertail Lagoon / Sand Dollar Island Ecosystem Restoration Project**

**Professional Services 2<sup>nd</sup> and 3<sup>rd</sup> quarters of 2025**

**CONTRACT# 2023-009**

**March 12, 2025**

This proposal consists of professional services required for Environmental and Engineering Professional Services for Continuing permit compliance monitoring for the Tigertail Lagoon/Sand Dollar Island Ecosystem Restoration Project. The environmental services as described in the attached proposal from Turrell Hall and Associates and itemized below cover from the April until the end of september of 2025.

**Environmental Services: Turrell, Hall & Associates (itemized proposals attached)**

Services as itemized in the attached proposal from THA include water quality, escarpment management, bird monitoring and coordination with permitting agencies.

**Subtotal: \$35,524.00**

**H&M Engineering Professional Services:**

- Project Assessment: Site observations, monthly aerial photos, and data analysis
- Permit Compliance, Monitoring, Aerials and Coordination with Collier County and permitting agencies.
- Coordination with Collier County and the City on funding
- Assistance with City FEMA funding request for Hurricanes Helene and Milton Impacts

The H&M professional service will be billed on a time and materials basis.

Estimated hours of Services:

Principal Engineer 20 hours @ \$231.00 = \$4,620.00

Senior Project Manager 62 hours @ \$203.00 = \$12,586.00

Project Manager 34 hours @ \$160.00 = \$5,440.00

Engineer 20 hours @ \$130.00 = \$2,600.00

Scientist/Geologist 35 hours @ \$115.00 = \$4,025.00

Senior Tech 15 hours @ \$103.00 = \$1,545.00

CADD Technician 10 hours @ \$107.00 = \$1,070.00

Clerical/Administrative 2 hours @ \$73.00 = \$146.00

**Subtotal: \$32,032.00**

**Total: \$67,556.00**



# TURRELL, HALL & ASSOCIATES, INC.

## Marine & Environmental Consulting

3584 Exchange Avenue • Naples, Florida 34104-3732 • 239-643-0166 • Fax (239) 643-6632 • tuna@thanaples.com

March 5, 2025

Hideaway Beach Tax District  
City of Marco Island  
C/o Mr. Mohamed Dabees  
Humiston & Moore Engineers  
5679 Strand Court  
Naples, FL 34110

**Re: Proposal for Professional Environmental Services  
Sand Dollar Island/Tigertail Restoration Project-  
Continuing Services for March through September 2025**

Dear. Mr. Dabees:

Turrell, Hall & Associates, Inc. is pleased to provide you with this proposal which will cover all non-construction related continuing services required by permit 0401778-001-JC and SAJ-2007-04224.

TASKS	DESCRIPTIONS	AMOUNTS
<b>1</b>	<b>QUARTERLY DISCRETE LAB SAMPLING</b>	<b>\$1,934.00</b>
<b>1A</b>	Quarterly Discrete Water Quality Sampling by a Lab: May 2025	\$967
<b>1B</b>	Quarterly Discrete Water Quality Sampling by a Lab: August 2025	\$967
<b>2</b>	<b>MONTHLY WATER QUALITY MONITORING</b>	<b>\$2,240.00</b>
<b>2A</b>	Water Quality Sonde Calibration, battery check, download and input all water quality data: April, May, June 2025.	\$1,120.00
<b>2B</b>	Water Quality Sonde Calibration, battery check, download and input all water quality data: July, August, September 2025	\$1,120.00
<b>3</b>	<b>QUARTERLY BERM INSPECTIONS AND REPORTS</b>	<b>\$1,650.00</b>
<b>3A</b>	Quarterly Berm Vegetation Inspection and Report: July 2025	\$825.00
<b>3B</b>	Quarterly Berm Vegetation Inspection and Report: September 2025	\$825.00
<b>4</b>	<b>SAV MAPPING</b>	<b>\$9,080.00</b>
	Map SAV throughout the entire system and pertinent Marco River areas. Prepare AutoCAD maps and raw data.	
<b>5</b>	<b>SAV QUADRAT SAMPLING</b>	<b>\$7,500.00</b>
	Collect quadrat data throughout the system to quantify SAV in permanent and random stations. Prepare raw data.	
<b>7</b>	<b>ANNUAL REPORT &amp; MAP OF SUITABLE NESTING HABITAT</b>	<b>\$665.00</b>
	Prepare and submit maps of suitable nesting habitat on the island and compare them to prior years.	
<b>9</b>	<b>ANNUAL DATA PREPARATION AND SUBMITTAL TO USFWS FOR RED KNOTS AND PIPING PLOVERS</b>	<b>\$665.00</b>

<b>10</b>	<b>TWICE MONTHLY BIRD MONITORING</b>	<b>\$6,840.00</b>
<b>10A</b>	Plovers, Red knots, Shorebirds, Skimmers- April - June 2025	\$3,420.00
<b>10B</b>	Plovers, Red knots, Shorebirds, Skimmers- July - September 2025	\$3,420.00
<b>11</b>	<b>ANNUAL MANGROVE MONITORING</b>	<b>\$1,950.00</b>
	Survey mangrove plots, sample vegetation, take photographs and compile data.	
<b>14</b>	<b>MISCELLANEOUS SERVICES &amp; COORDINATION (T&amp;M)</b> <b>Coordination with agencies, Board, Attend Meetings, etc.</b>	<b>\$3,000.00</b>
	Coordinate with PM and agencies. Attend board meetings. Oversee summer plantings as needed.	
	<b>TOTAL AMOUNT</b>	<b>\$35,524.00</b>

Please feel free to contact me with any questions.

Respectfully,

Marielle Nageon de Lestang  
Operations Manager & Senior Biologist