



**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 1<sup>st</sup> quarter of 2025

CONTRACT# 2023-009

December 4, 2024

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 until the end of 1<sup>st</sup> quarter 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: \$29,484.00**

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.

**Subtotal: \$20,009.00**

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

Estimated hours of Services:

- Principal Engineer 4 hours @ \$231.00 = \$924.00
- Senior Project Manager 35 hours @ \$203.00 = \$7,105.00
- Project Manager 30 hours @ \$160.00 = \$4,800.00
- Engineer 18 hours @ \$130.00 = \$2,340.00
- Scientist/Geologist 30 hours @ \$115.00 = \$3,450.00
- Senior Tech 10 hours @ \$103.00 = \$1,030.00
- CADD Technician 2 hours @ \$107.00 = \$214.00
- Clerical/Administrative 2 hours @ \$73.00 = \$146.00

**Subtotal: \$20,009.00**

**Total: \$49,493.00**



# TURRELL, HALL & ASSOCIATES, INC.

## Marine & Environmental Consulting

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

November 29, 2024

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 January through March 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: January 2025	\$967
<b>1B</b>	Quarterly Discrete Water Quality Sampling by a Lab: March 2025	\$967
<b>2</b>	<b>MONTHLY WATER QUALITY MONITORING</b>	<b>\$1,120.00</b>
<b>2A</b>	Water Quality Sonde Calibration, battery check, download and input all water quality data: January, February and March 2025.	
<b>3</b>	<b>QUARTERLY BERM INSPECTIONS AND REPORTS</b>	<b>\$825.00</b>
<b>3A</b>	Quarterly Berm Vegetation Inspection and Report: March 2025	
<b>4</b>	<b>MARCH 15<sup>TH</sup> PRE-TURTLE NESTING SEASON ESARPMENT SURVEY (Coordination as needed)</b>	<b>\$650.00</b>
<b>5</b>	<b>SEA TURTLE NEST MONITORING REPORT PER FDEP PERMIT AND FWS BO (Due January 15)</b>	<b>\$845.00</b>
<b>6</b>	<b>ANNUAL BIOLOGICAL MONITORING REPORT</b>	<b>\$11,240.00</b>
	Prepare the 2024 annual biological monitoring report from data collected over 2024 and early 2025 for SAV, berms, vegetation, mangroves, and water quality. Annual report will be submitted to FDEP, ACOE and stakeholders.	
<b>10</b>	<b>TWICE MONTHLY BIRD MONITORING</b>	<b>\$3,420.00</b>
<b>10A</b>	Plovers, Red knots, Shorebirds, Skimmers- January to March 2025	
<b>16</b>	<b>ANNUAL BIRD NEST HABITAT VEGETATION CONTROL</b>	<b>\$7,175.00</b>
<b>16A</b>	Herbicide treatment (if needed following construction)	\$5,000
<b>16B</b>	Coordination with agencies, be onsite for herbicidal treatment.	\$675
<b>16C</b>	Hand rolling sand spurs on spit	\$1,500
<b>14</b>	<b>MISCELLANEOUS SERVICES &amp; COORDINATION (T&amp;M)</b>	<b>\$2,275.00</b>

	<b>Coordination with agencies, Board, Attend Meetings, etc.</b>	
<b>14A</b>	Coordinate with PM and agencies. Attend board meetings. Present 2024 Annual Biological Monitoring Report to the board.	
	<b>TOTAL AMOUNT</b>	<b>\$29,484.00</b>

Please feel free to contact me with any questions.

Respectfully,



Marielle Nageon de Lestang  
Operations Manager & Senior Biologist