

PROJECT: Sanibel Island Hurricane Ian Emergency Berm/Beach Recovery Project

OWNER: City of Sanibel

CHANGE ORDER NO. 3

TO: Eastman Aggregate Enterprises, LLC

3705 Bellevue Ave

Lake Worth, FL 33461

You are hereby authorized to make the following additions and/or deductions to your contract amount.

	PREVIOUS CONTRACT AMOUNT	NET CHANGE INCREASE	DECREASE	REVISED (DEDUCT)	(ADD)	CONTRACT AMOUNT
TOTAL:	<u>\$13,854,772.50</u>	<u>\$1,838,369.40</u>	\$	\$ _____	\$ _____	<u>\$15,693,141.90</u>

Description of Change: Add X Deduct

Placement of an additional 52,420 tons of sand at a unit cost of \$35.07 per ton for the “Historic Sanibel Lighthouse Post Hurricane Ian Emergency Protection Project” component added to the “Sanibel Island Post Hurricane Ian Emergency Berm/Beach Recovery Project”. The total estimated sand quantity for the “Historic Sanibel Lighthouse Post Hurricane Ian Emergency Protection Project” increased from 75,000 tons in April 2024 to 105,000 tons in November 2024 due to the cumulative impacts of tropical systems during the summer of 2024 (Tropical Storm Debby, Hurricane Helene, and Hurricane Milton) plus pending approval from USACE to expand the fill template to include the area from the fishing pier to the bay side boundary of Lighthouse Beach Park.

Change Order 2 (approved May 7, 2024) authorized Eastman Aggregates to place an additional 75,000 tons of sand at Lighthouse Beach Park, both above and below mean high water. Approximately 22,420 tons were placed prior to May 1, 2024, leaving 52,580 tons to be placed after sea turtle nesting season on or after November 1, 2024. Based on a new estimated quantity of 105,000 tons, an additional 52,420 tons of sand is needed to complete the project.

Sand (Tons)	Change Order 2
Quantity	75,000
Placed	22,420
Remainder	52,580

Sand (Tons)	Change Order 3
Quantity	105,000
Remainder (CO2)	52,580
Change	52,420
Cost @ \$35.07/Ton	\$1,838,369.40

Specified sand will be purchased directly by the City under the City’s existing contract with Vulcan Materials; the cost of which is not included in this change order.

RECOMMENDED:

APPROVED:

OWNER City of Sanibel

By Holly Milbrandt

Title Project Mgr/Nat Res Dir Date 11/8/24

By _____

Title City Manager Date 11/12/24

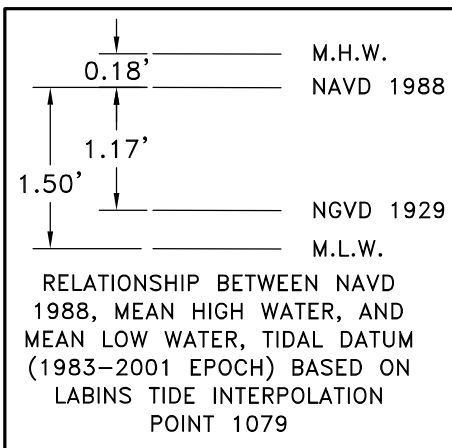
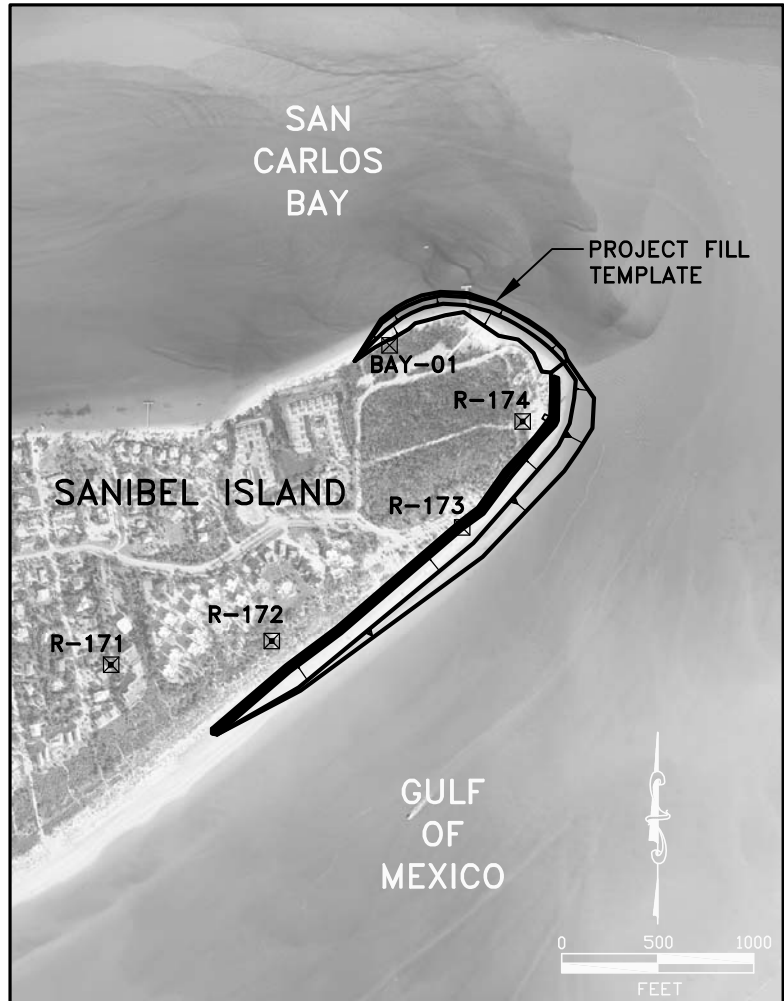
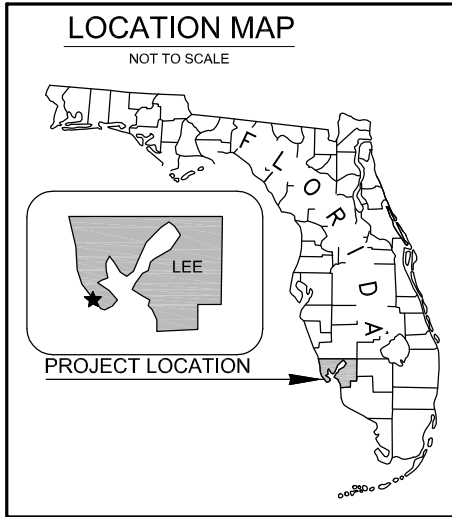
ACCEPTED:

CONTRACTOR _____

BY _____

Title _____ Date _____

CONSTRUCTION PLANS HISTORIC SANIBEL LIGHTHOUSE POST HURRICANE IAN EMERGENCY PROTECTION PROJECT



NOTES:

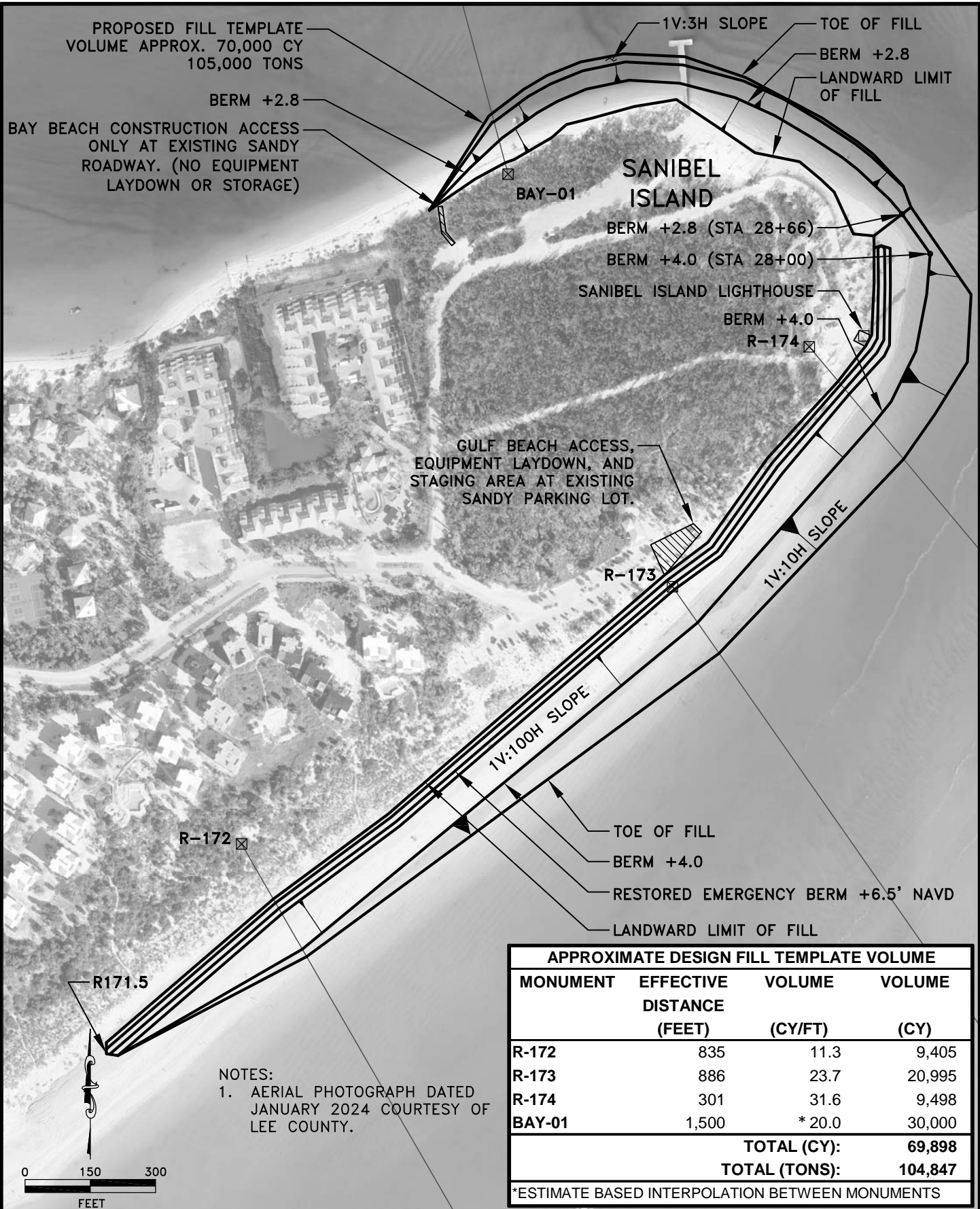
1. AERIAL PHOTOGRAPH DATED JANUARY 2024 COURTESY OF LEE COUNTY.
2. COORDINATES SHOWN IN FEET BASED ON THE NORTH AMERICAN DATUM OF 1983, WEST ZONE (NAD83).
3. ELEVATIONS SHOWN IN FEET BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. PORTION OF FILL TEMPLATE LOCATED NORTH OF EMERGENCY BERM BASED ON 2009 SANIBEL BEACH NOURISHMENT USACOE PERMIT SAJ-2007-05213(IP-LBD) FDEP PERMIT 0281083-001-JC.
5. SAND MEETS 62B-41.007(2)(j), FAC.
6. MIXING ZONE WILL COMPLY WITH 62-4.244 FAC.



**HUMISTON
& MOORE
ENGINEERS**
COASTAL
ENGINEERING DESIGN
AND PERMITTING

HISTORIC SANIBEL LIGHTHOUSE POST IAN EMERGENCY PROTECTION PROJECT - COVER SHEET		
FOR: CITY OF SANIBEL		
DATE: 10/24/24	FILE: PLAN	SCALE: SHOWN
JOB: 27008	DATUM: SHOWN	FIGURE: 1 OF 4

5679 STRAND COURT
NAPLES, FL 34110
FAX: (239) 594-2025
PHONE: (239) 594-2021
www.humistonandmoore.com



PROPOSED FILL TEMPLATE
VOLUME APPROX. 70,000 CY
105,000 TONS

BERM +2.8

BAY BEACH CONSTRUCTION ACCESS
ONLY AT EXISTING SANDY
ROADWAY. (NO EQUIPMENT
LAYDOWN OR STORAGE)

1V:3H SLOPE

TOE OF FILL

BERM +2.8

LANDWARD LIMIT
OF FILL

SANIBEL
ISLAND

BAY-01

BERM +2.8 (STA 28+66)

BERM +4.0 (STA 28+00)

SANIBEL ISLAND LIGHTHOUSE

BERM +4.0

R-174

GULF BEACH ACCESS,
EQUIPMENT LAYDOWN, AND
STAGING AREA AT EXISTING
SANDY PARKING LOT.

R-173

1V:10H SLOPE

1V:100H SLOPE

TOE OF FILL

BERM +4.0

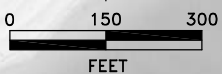
RESTORED EMERGENCY BERM +6.5' NAVD

LANDWARD LIMIT OF FILL

R-172

R171.5

NOTES:
1. AERIAL PHOTOGRAPH DATED
JANUARY 2024 COURTESY OF
LEE COUNTY.



APPROXIMATE DESIGN FILL TEMPLATE VOLUME			
MONUMENT	EFFECTIVE DISTANCE (FEET)	VOLUME (CY/FT)	VOLUME (CY)
R-172	835	11.3	9,405
R-173	886	23.7	20,995
R-174	301	31.6	9,498
BAY-01	1,500	* 20.0	30,000
TOTAL (CY):			69,898
TOTAL (TONS):			104,847
*ESTIMATE BASED INTERPOLATION BETWEEN MONUMENTS			

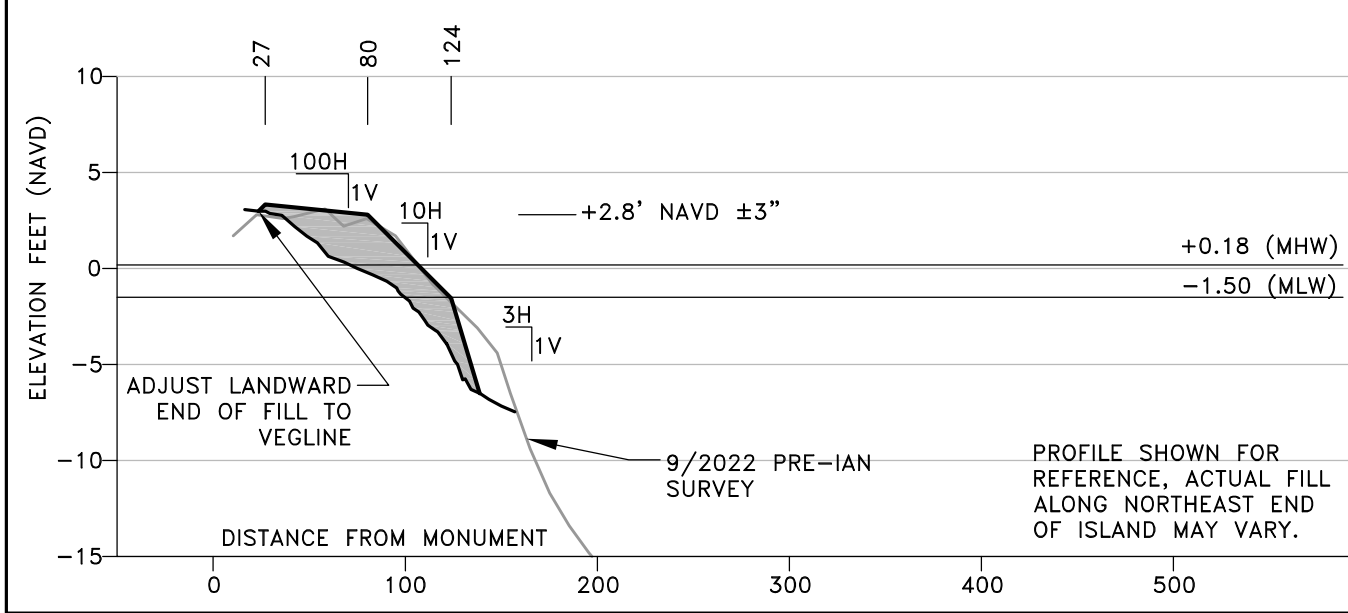


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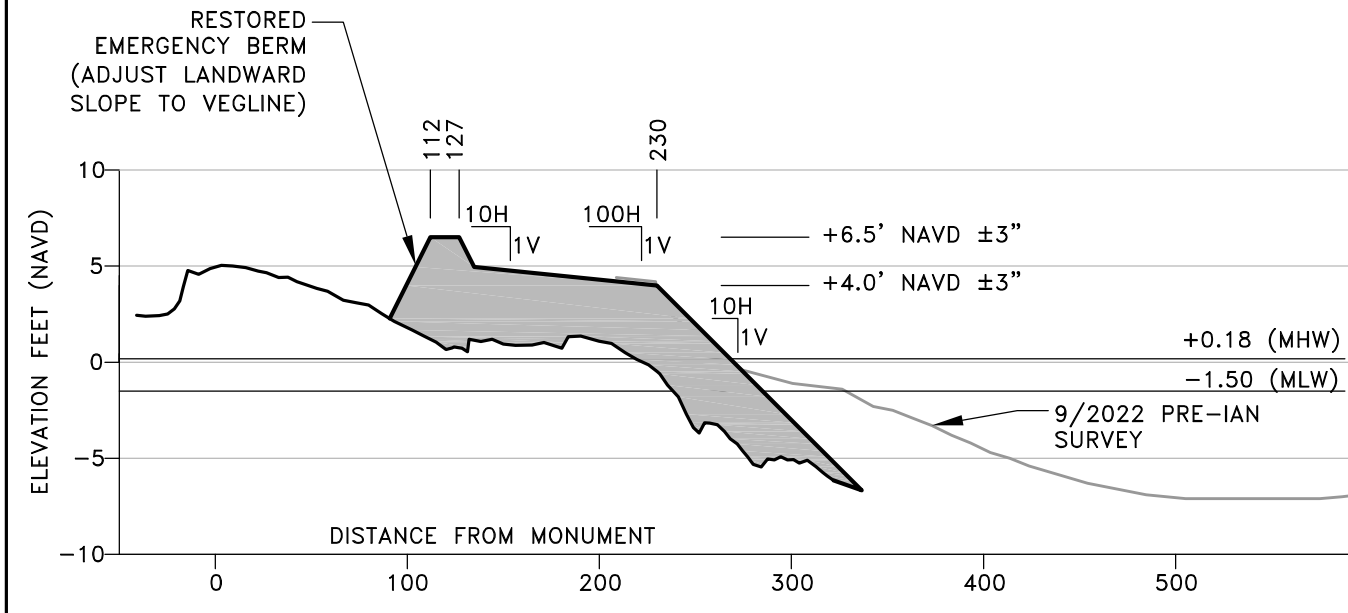
HISTORIC SANIBEL LIGHTHOUSE POST IAN EMERGENCY
PROTECTION PROJECT - PLAN VIEW
FOR: CITY OF SANIBEL
DATE: 10/24/24 FILE: PLAN SCALE: SHOWN
JOB: 27008 DATUM: SHOWN FIGURE: 2 OF 4

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BEACH PROFILE BAY-01

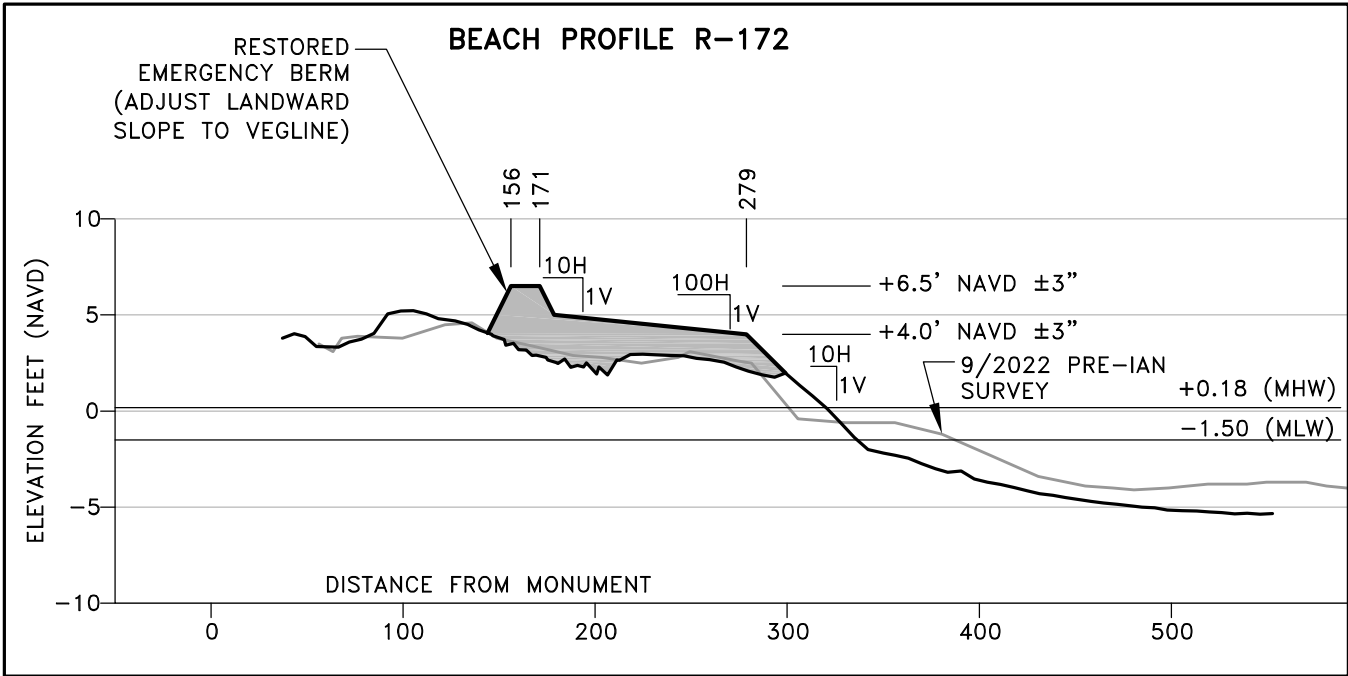
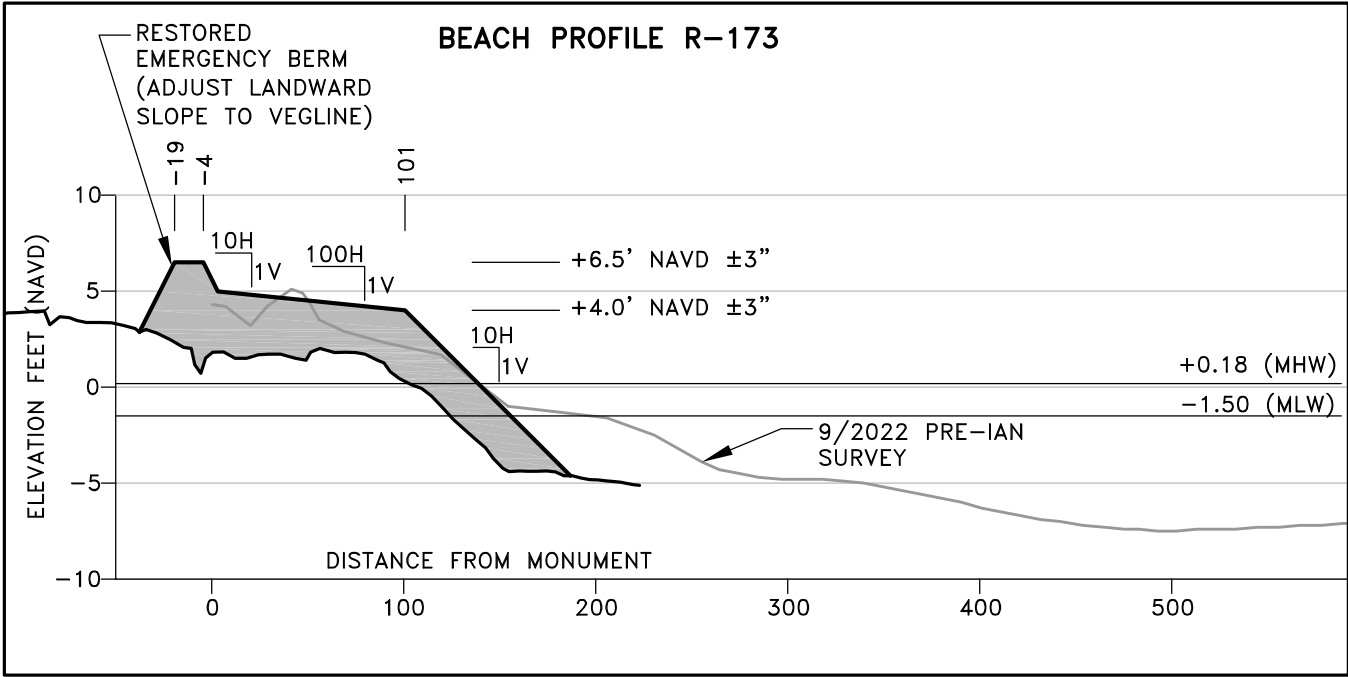


BEACH PROFILE R-174



CROSS SECTION LEGEND	
	DESIGN FILL
	10/2024 PRE-CON SURVEY
	09/2022 PRE-IAN SURVEY

- NOTES:**
1. NO FILL TO BE PLACED ON ESTABLISHED VEGETATION.
 2. DESIGN FILL USING 2009 AUTHORIZED FILL TEMPLATE FOR BERM ELEVATION AND SEAWARD SLOPE TO RESTORE PROFILE TO PRE HURRICANE IAN CONDITION SURVEYED 9/2022 AT STATION BAY-01.
 3. FILL TEMPLATE SHOWN AT THE MONUMENT HAS A SEAWARD SLOPE OF 1V:10H EXTENDING THE MHW NO FURTHER SEAWARD THAN THE MHW LOCATION SURVEYED WITHIN 2 WEEKS PRIOR TO THE IMPACT OF HURRICANE IAN IN SEPTEMBER 2022.



CROSS SECTION LEGEND

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	10/2024 PRE-CON SURVEY
	09/2022 PRE-IAN SURVEY

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