



**US Army Corps
of Engineers®**

PUBLIC NOTICE

Applicant:
Allen Lewis, Lt Col, PE
Tyndall AFB

Published: June 10, 2025
Expires: July 10, 2025

**Jacksonville District
Permit Application No. SAJ-2025-00648**

TO WHOM IT MAY CONCERN: The Jacksonville District of the U.S. Army Corps of Engineers (Corps) has received an application for a Department of the Army permit pursuant to Section 404 of the Clean Water Act (33 U.S.C. §1344) and Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. §403). The purpose of this public notice is to solicit comments from the public regarding the work described below:

APPLICANT: Allen Lewis, Lt Col, PE
Tyndall AFB
102 Checkertail Way
Bldg. 36234
Tyndall AFB, FL 32403

AGENT: David Bell
Jacobs
10 10th Street NE
Suite 1400
Atlanta, GA 30309

WATERWAY AND LOCATION: The project would affect waters of the United States and navigable waters of the United States associated with the Gulf. The project/review area is located on the near Camp Eagle Road in Section 36, Township 4 South, Range 14 West; at Latitude 30.057461 and Longitude -85.524127; in Tyndall Air Force Base, Bay County, Florida.

EXISTING CONDITIONS: The proposed breakwater construction is in East Bay along the northeastern coastline of Tyndall AFB. The base is approximately 18 miles long by 3 miles wide and encompasses approximately 29,276 acres on a peninsula. The peninsula is surrounded by the waters of the Gulf and a series of barrier islands (Shell Island, Crooked Island East, and Crooked Island West) to the south, St. Andrew Bay to the west, and East Bay to the north. The proposed project area is within the Coastal Marshes ecoregion where there is a dominant presence of submerged aquatic vegetation (SAV) along the shoreline.

This project is funded by the Readiness and Environmental Protection Integration program and the National Fish and Wildlife Foundation's National Coastal Resilience Fund grant, awarded to The Nature Conservancy (TNC).

PROJECT PURPOSE: The purpose of the project is to improve the resilience of Tyndall AFB by protecting shorelines near critical base assets, attenuating wave energy, and reducing the rate of coastal erosion from sea-level rise in the project areas over time.

Basic: The basic project purpose is tidal flood mitigation and shoreline protection in Bay County Florida.

Overall: The overall project purpose is to construct a living shoreline breakwater project at the Tyndall Air Force Base, Bay County, Florida.

PROPOSED WORK: The applicant requests authorization to install six 210-foot-long oyster reef breakwater (ORB) units 158 feet apart at distance ranging between 617 and 815 feet from the Mean High Water line (MHWL). The submerged breakwater structures will be installed at least 25 feet seaward of the existing grass meadow. The ORB units will be submerged in water depths of 4 to 5 ft, with the top of each structure 0.56 ft below the current mean low water level. The majority of the ORB units and finger reef structure will be constructed from quarry limestone boulders with 2:1 side slope. The side of the finger reefs will also include precast concrete units to promote oyster colonization and provide additional structure for marine life. Each breakwater unit will cover 9,583 ft² (0.22 acre) on the seafloor, with the six breakwater units totaling approximately 58,806 ft² (1.35 acres). Up to three navigation signs will be installed along the outer limits of the ORB.

AVOIDANCE AND MINIMIZATION: The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment:

Potential impacts to surface water habitats have been avoided and minimized to the extent possible while still achieving the project's purpose: minimizing disruptions to Tyndall AFB's mission due to storm-related flooding of critical infrastructure and operational areas. Avoiding impacts to existing seagrass beds was a primary consideration during development of the proposed nature-based solutions (NBS) breakwaters. All NBS projects were designed to remain at least 25 ft seaward of existing seagrass beds. Additionally, all breakwater designs place units no less than 75 ft apart to ensure adequate flushing for water quality purposes and sufficient spacing for manatee protection.

To further minimize the impacts to the wetlands and other surface waters adjacent to the proposed impact areas, best management practices will be used during project construction. Construction of the NBS projects will be conducted from barges located 200 to 900 ft offshore, depending on the breakwater. No construction activity, including staging areas, will be conducted on land. No operation of heavy machinery will be conducted within wetlands or surface waters outside of these aerial limits. All clearing activities will take place from inside the area to be cleared. No heavy machinery or vegetation will be staged or stockpiled within adjacent areas

COMPENSATORY MITIGATION: The applicant has provided the following explanation why compensatory mitigation should not be required: "No mitigation is proposed because there are no wetland impacts."

CULTURAL RESOURCES:

The Corps is evaluating the undertaking for effects to historic properties as required under Section 106 of the National Historic Preservation Act. This public notice serves to inform the public of the proposed undertaking and invites comments including those from local, State, and Federal government Agencies with respect to historic resources. Our final determination relative to historic resource impacts may be subject to additional coordination with the State Historic Preservation Officer, federally recognized tribes and other interested parties.

ENDANGERED SPECIES: Pursuant to Section 7 ESA, any required consultation with the Service(s) will be conducted in accordance with 50 CFR part 402. The Tyndall Air Force Base is the lead Federal agency for ESA consultation for the proposed action. Any required consultation will be completed by Tyndall AFB. As the lead federal agency Tyndall AFB is ultimately responsible for compliance under section 7 of ESA.

This notice serves as request to the National Marine Fisheries Service and U.S. Fish and Wildlife Service for any additional information on whether any listed or proposed to be listed endangered or threatened species or critical habitat may be present in the area which would be affected by the proposed activity.

ESSENTIAL FISH HABITAT: As Lead Federal Agency, Tyndall AFB initiated consultation with the NMFS on EFH as required by the Magnuson-Stevens Fishery Conservation and Management Act of 1996. The proposal would impact approximately 0.22 acre of shallow water estuarine habitat with soft bottom, sand/shell, water column, and adjacent submerged aquatic vegetation utilized by various life stages of coastal sharks, penaeid shrimp, reef fish, coastal migratory species, and red drum. NMFS determination is that the proposed action is not likely to adversely affect the NMFS ESA-listed species and/or designated critical habitat.

NAVIGATION: The proposed structure or activity is not located in the vicinity of a federal navigation channel.

SECTION 408: The applicant will not require permission under Section 14 of the Rivers and Harbors Act of 1899 (33 USC 408) because the activity, in whole or in part, would not alter, occupy, or use a Corps Civil Works project.

WATER QUALITY CERTIFICATION: Water Quality Certification may be required from the Florida Department of Environmental Protection.

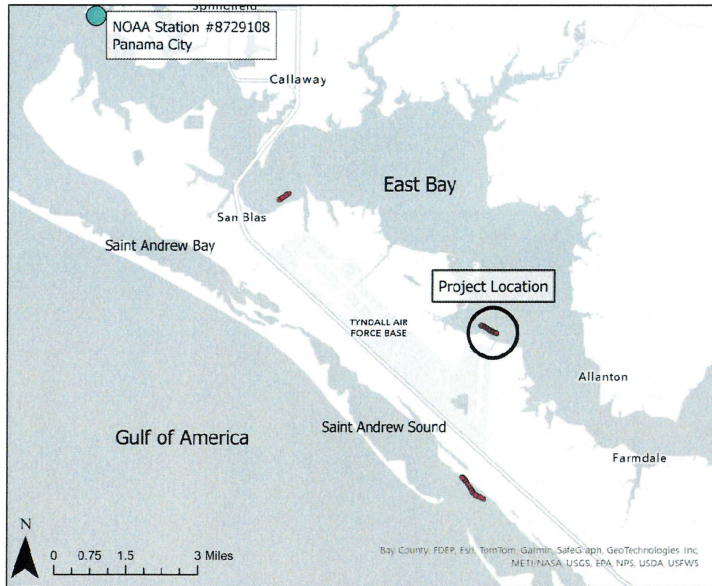
NOTE: This public notice is being issued based on information furnished by the applicant. This information has not been verified or evaluated to ensure compliance with laws and regulation governing the regulatory program. The geographic extent of aquatic resources within the proposed project area that either are, or are presumed to be, within the Corps jurisdiction has been verified by Corps personnel.

EVALUATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, which reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including cumulative impacts thereof; among these are conservation, economics, esthetics, general environmental concerns, wetlands, historical properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food, and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people. Evaluation of the impact of the activity on the public interest will also include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act or the criteria established under authority of Section 102(a) of the Marine Protection Research and Sanctuaries Act of 1972. A permit will be granted unless its issuance is found to be contrary to the public interest.

COMMENTS: The Corps is soliciting comments from the public; Federal, State, and local agencies and officials; Indian Tribes; and other Interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this determination, comments are used to assess impacts to endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment (EA) and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act (NEPA). Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

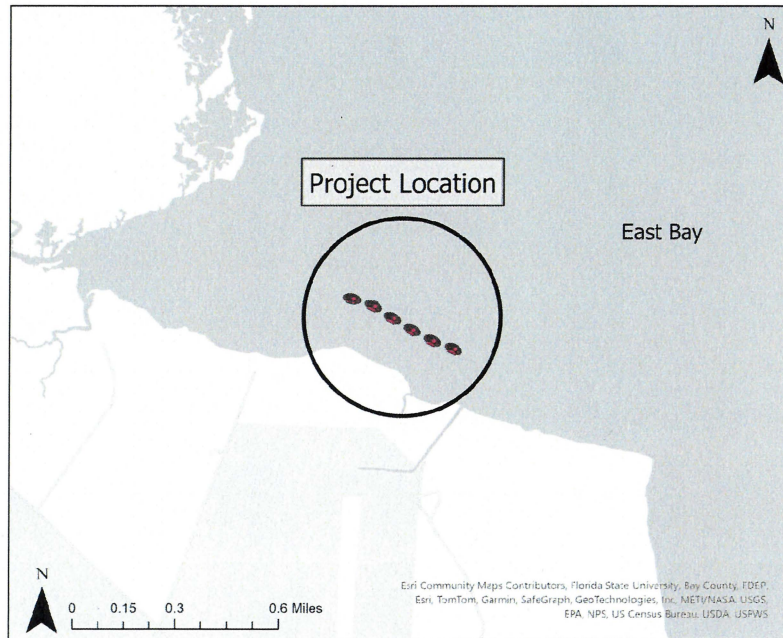
The Jacksonville District will receive written comments on the proposed work, as outlined above, until July 10, 2025. Comments should be submitted electronically via the Regulatory Request System (RRS) at <https://rrs.usace.army.mil/rrs> or to Davielle Drayton at davielle.n.drayton@usace.army.mil. Alternatively, you may submit comments in writing to the Commander, U.S. Army Corps of Engineers, Jacksonville District, Attention: Davielle Drayton, 100 W. Oglethorpe Ave Savannah, GA 31404. Please refer to the permit application number in your comments.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. Requests for a public hearing will be granted, unless the District Engineer determines that the issues raised are insubstantial or there is otherwise no valid interest to be served by a hearing.



PROJECT VICINITY MAP

NTS



PROJECT LOCATION MAP

NTS



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TYNDALL PILOT PROJECT
OYSTER REEF BREAKWATER
BAY COUNTY, FLORIDA



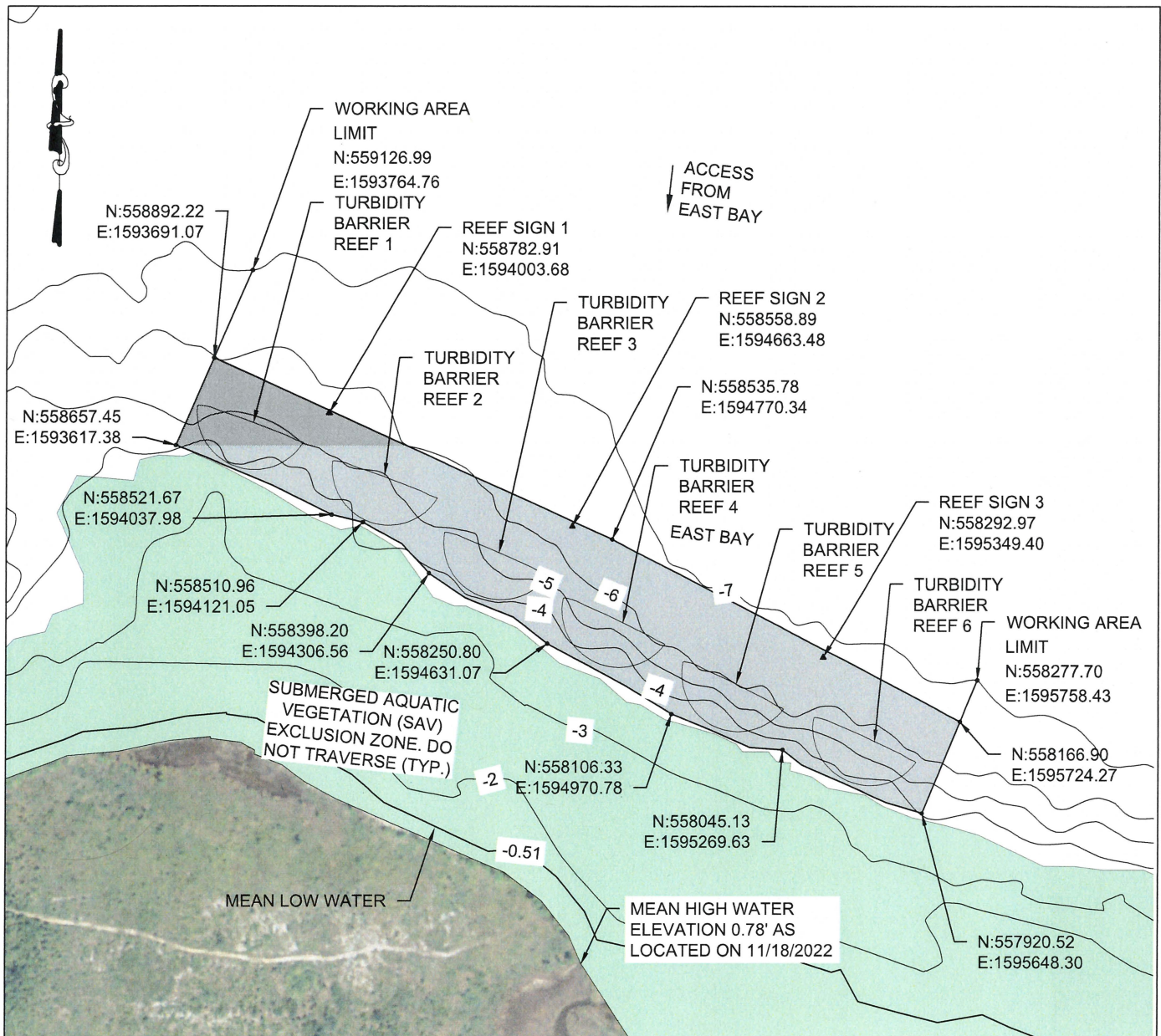
The Nature
Conservancy

PROJECT VICINITY AND
LOCATION MAP





SHEET 2 OF 20

DATE: FEBRUARY
2025

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NOT FOR CONSTRUCTION



LEGEND:

-  -4 CONTOUR
-  SUBMERGED AQUATIC VEGETATION (SAV)
-  WORKING AREA
-  NAVIGATION SIGN

0 400 800 FT.
1"=400'



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TYNDALL PILOT PROJECT
OYSTER REEF BREAKWATER
BAY COUNTY, FLORIDA



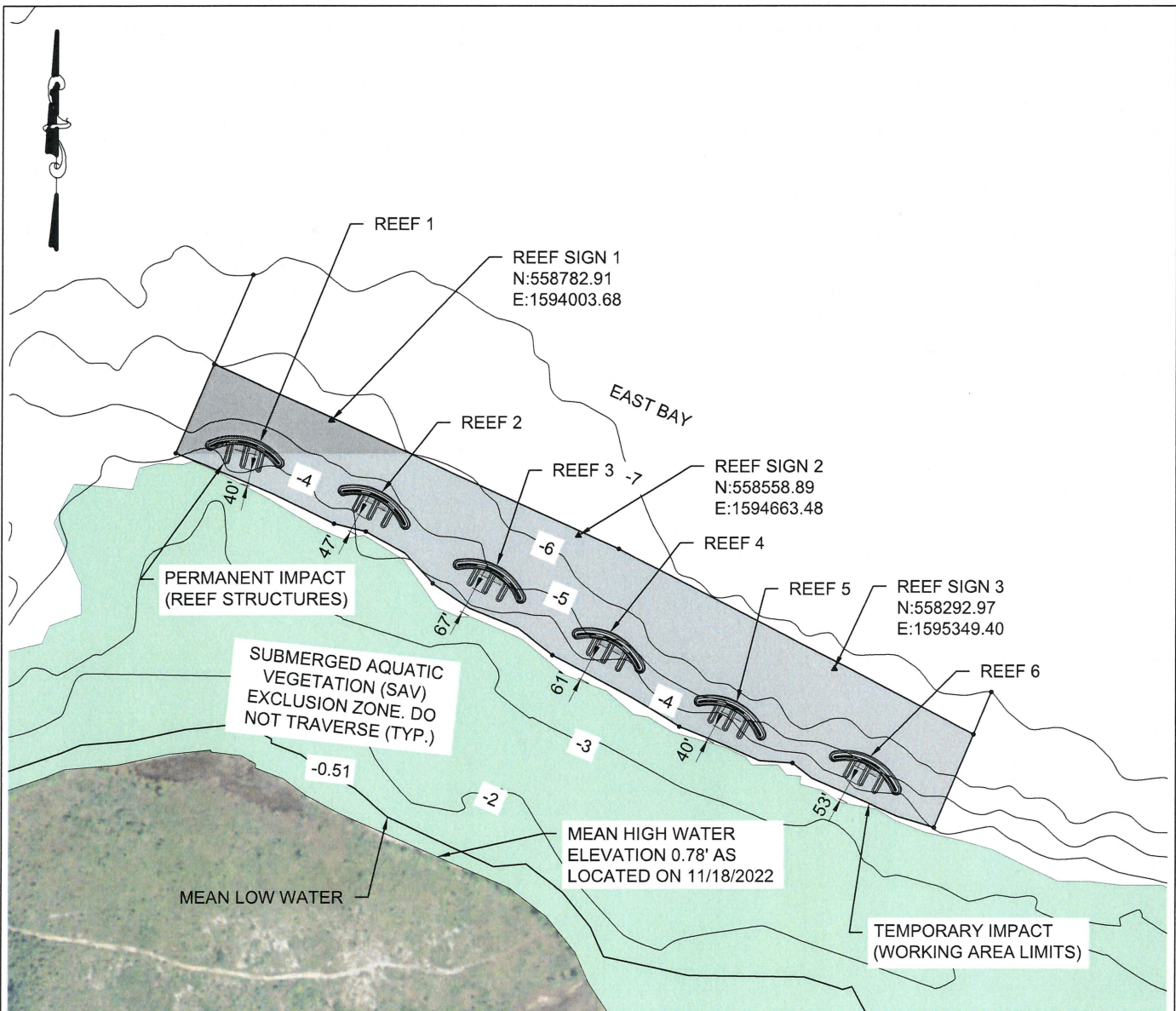
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EXISTING CONDITIONS,
SITE ACCESS AND STAGING
AREA PLAN

SHEET 4 OF 20

DATE: FEBRUARY 2025

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LEGEND:

- 4 CONTOUR
- SUBMERGED AQUATIC VEGETATION (SAV)
- WORKING AREA
- NAVIGATION SIGN

1"=400' 0 400 800 FT.

NOTES:

1. BATHYMETRIC SURVEY IS REFERENCED TO NORTH AMERICA VERTICAL DATUM 1988 (FEET, NAVD88).
2. CONTRACTOR TO ACCESS SITE VIA BARGES WITHIN THE LIMITS SHOW IN SHEET 5.

IMPACT	TYPE	TEMPORARY IMPACT (Acre)	PERMANENT IMPACT (Acre)
STAGING AREA	WATER	12.52	-
REEF 1	WATER	-	0.22
REEF 2	WATER	-	0.22
REEF 3	WATER	-	0.22
REEF 4	WATER	-	0.23
REEF 5	WATER	-	0.23
REEF 6	WATER	-	0.23
NAVIGATION SIGNS (3)	WATER	-	NEGLIGIBLE
TOTALS		12.52	1.35



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TYNDALL PILOT PROJECT
OYSTER REEF BREAKWATER
BAY COUNTY, FLORIDA



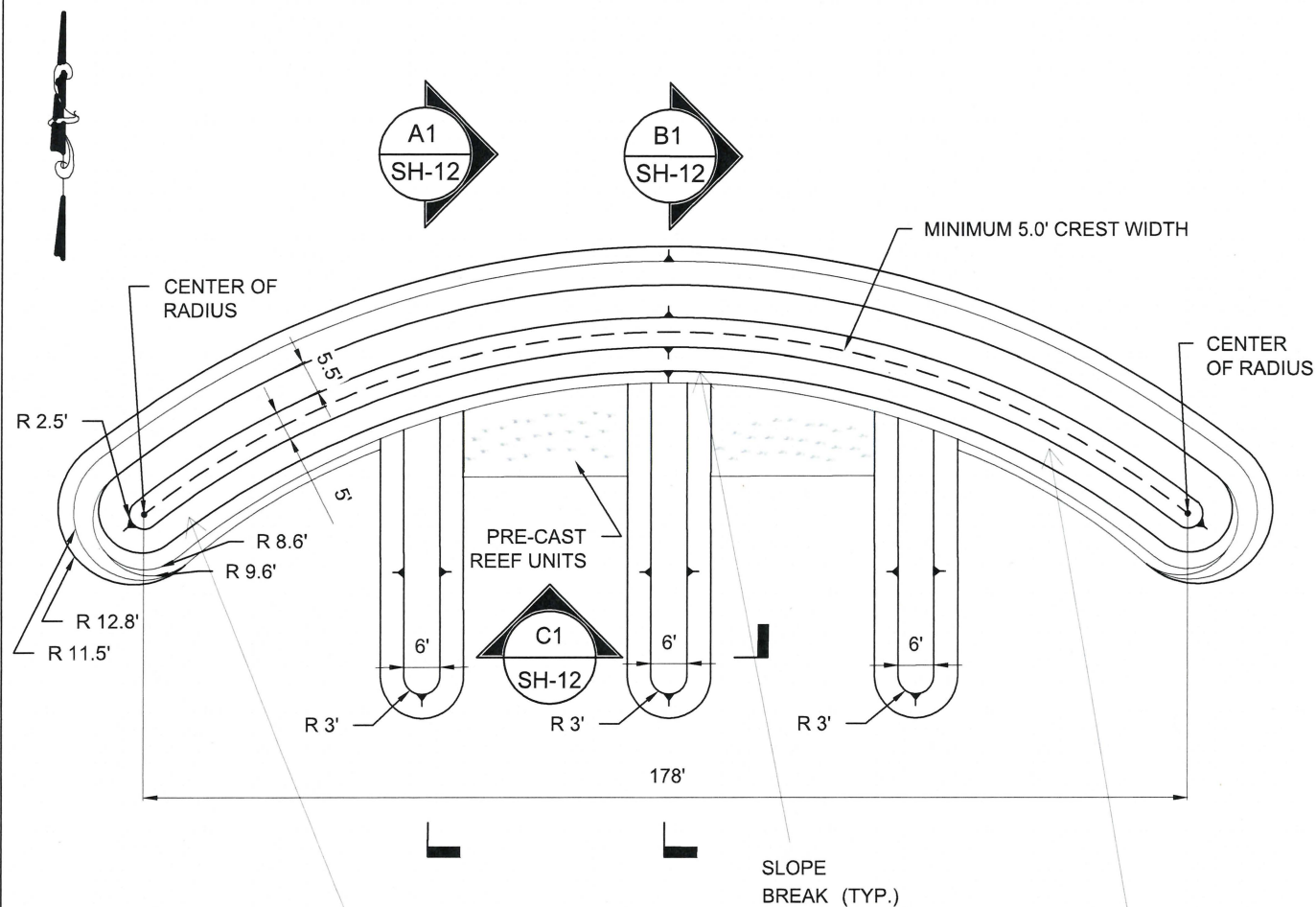
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PROJECT LAYOUT
PROPOSED CONDITIONS
AND IMPACTS

SHEET 5 OF 20

DATE: FEBRUARY 2025

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NOTES:

1. MINIMUM REEF CREST WIDTH OF 5 FEET.
2. SEE SHEET 12 FOR CROSS-SECTIONS.
3. REEF FOOTPRINT DIMENSIONS SHOWN ARE APPROXIMATE AND WILL DEPEND ON BATHYMETRY ON SITE AT THE TIME OF CONSTRUCTION.
4. RADIUS INTENDED TO AID IN SETTING OUT THE REEF.
5. PRE-CAST REEF UNITS SHOWN ARE INDICATIVE AND TO BE CONFIRMED IN THE FINAL DESIGN.

1"=30'

0 30 60 FT.



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TYNDALL PILOT PROJECT
OYSTER REEF BREAKWATER
BAY COUNTY, FLORIDA



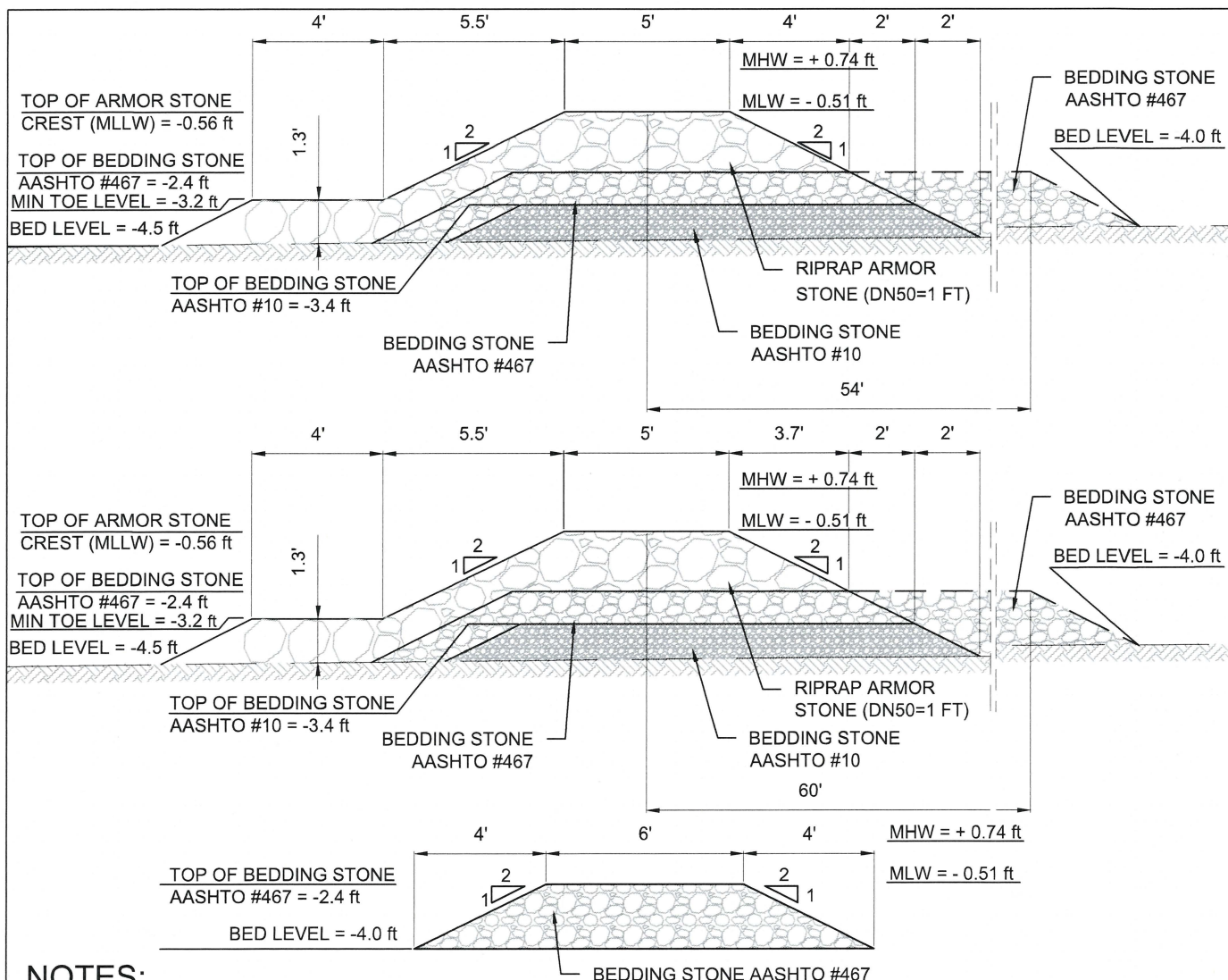
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REEF PLAN VIEW
(REEF 1)

SHEET 6 OF 20

DATE: FEBRUARY 2025

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NOTES:

1. ELEVATIONS OF TOPOGRAPHY AND BATHYMETRY ARE IN NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), US FOOT.
2. FINISHED STRUCTURE ELEVATION IS DEFINED ON THE CROSS-SECTION; GEOMETRIES TO VARY AS REQUIRED TO ACHIEVE STATED LEVELS.
3. STATED REEF ELEVATIONS ARE MAXIMUM LEVELS TO ENSURE THEY ARE IN ACCORDANCE WITH THE BASH [BIRD AIRCRAFT STRIKE HAZARD] PLAN CONSIDERATIONS AT THE SITE. REEF CREST IS NOT TO EXCEED -0.56 FT NAVD88. VERTICAL TOLERANCE OF UP TO 6 INCHES BELOW THIS LEVEL TO BE ACCEPTABLE.
4. STATED HORIZONTAL EXTENTS ARE MINIMUM EXTENTS; HORIZONTAL TOLERANCE OF UP TO 2 FOOT BEYOND THESE EXTENTS TO BE ACCEPTABLE.
5. THIS DRAWING TO BE READ IN CONJUNCTION WITH PLAN VIEW SHEET 6.
6. GROUND SURFACE FOR EACH REEF DETAIL IS DEPICTED AS UNIFORM FOR CLARITY AND MAY NOT REPRESENT ACTUAL CONDITIONS AT EACH REEF LOCATION. CONTRACTOR SHALL FIELD VERIFY GROUND SURFACE CONDITIONS AT EACH REEF LOCATION AND RECOMMEND ADJUSTMENTS TO EACH REEF'S BASE FOR THE ENGINEER'S APPROVAL, PRIOR TO CONSTRUCTION.
7. REEF FOOTPRINT DIMENSIONS SHOWN ARE APPROXIMATE AND WILL DEPEND ON BATHYMETRY ON SITE DURING CONSTRUCTION.



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OYSTER REEF BREAKWATER
BAY COUNTY, FLORIDA



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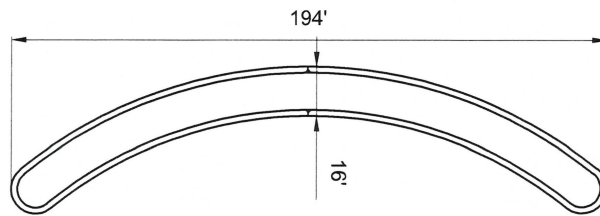
REEF CROSS SECTION
(REEF 1)

SHEET 12 OF 20

DATE: FEBRUARY 2025

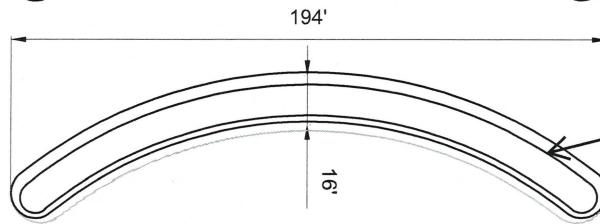
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REEF BEDDING STONE BOTTOM
LAYER (AASHTO #10)



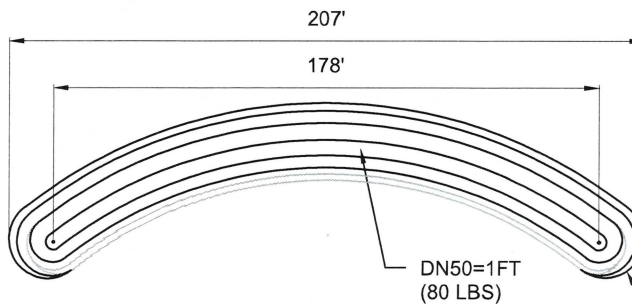
STEP 1

REEF BEDDING STONE TOP
LAYER (AASHTO #467)



STEP 2

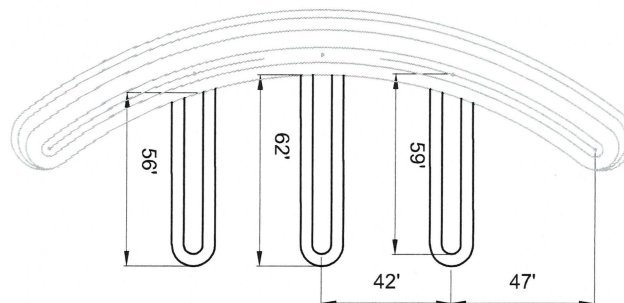
RIPRAP ARMOR
STONE LAYER



STEP 3

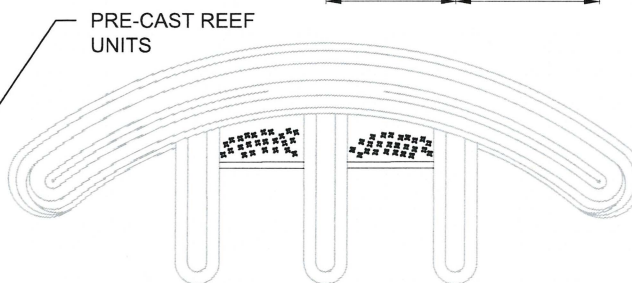
RIPRAP TOE PRO-
TECTION

BEDDING STONE AASHTO
#467



STEP 4

REEF STRINGS PRE-CAST
REEF UNITS



STEP 5

NOTES:

1. ENSURE SUBSTRATE IS LEVELED AND DEBRIS-FREE PRIOR TO BEDDING STONE PLACEMENT.
2. PLACE LIMESTONE ROCK EVENLY ON TOP OF THE BEDDING STONE IN LAYERS, ENSURING DISTRIBUTION ACROSS THE SURFACE TO PREVENT UNEVEN PRESSURE AND INSTABILITY.
3. UNLESS OTHERWISE SPECIFIED, DO NOT DROP STONE FROM A HEIGHT GREATER THAN 2 FEET.



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TYNDALL PILOT PROJECT
OYSTER REEF BREAKWATER
BAY COUNTY, FLORIDA



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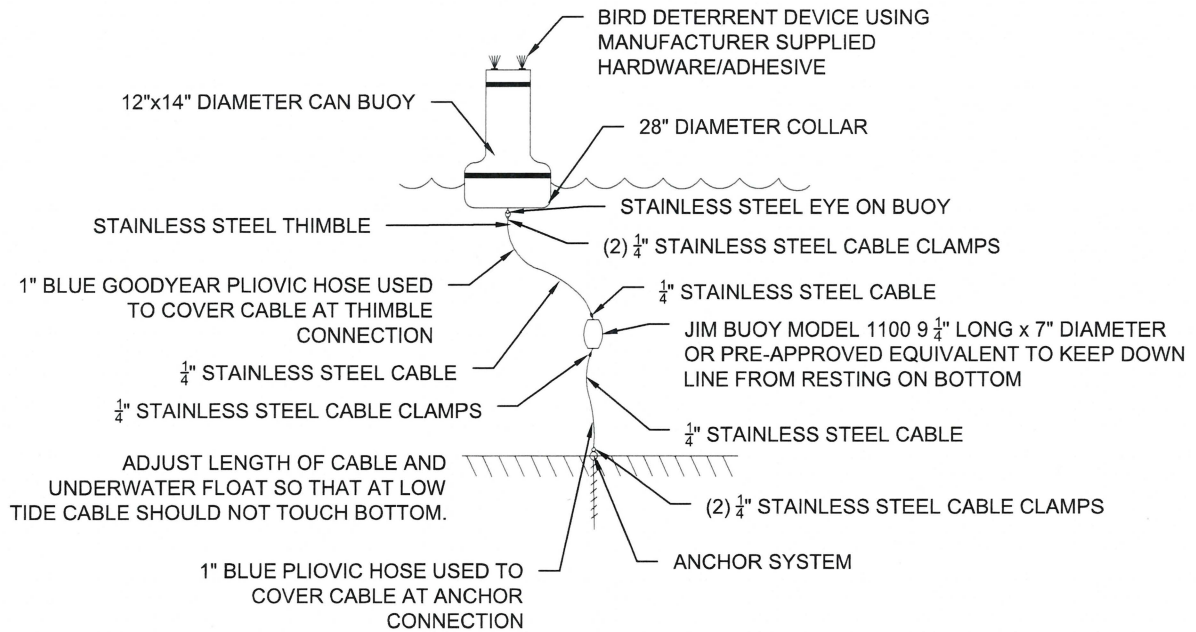
REEF STRUCTURES
INSTALLATION SEQUENCE

SHEET 18 OF 20

DATE: FEBRUARY
2025

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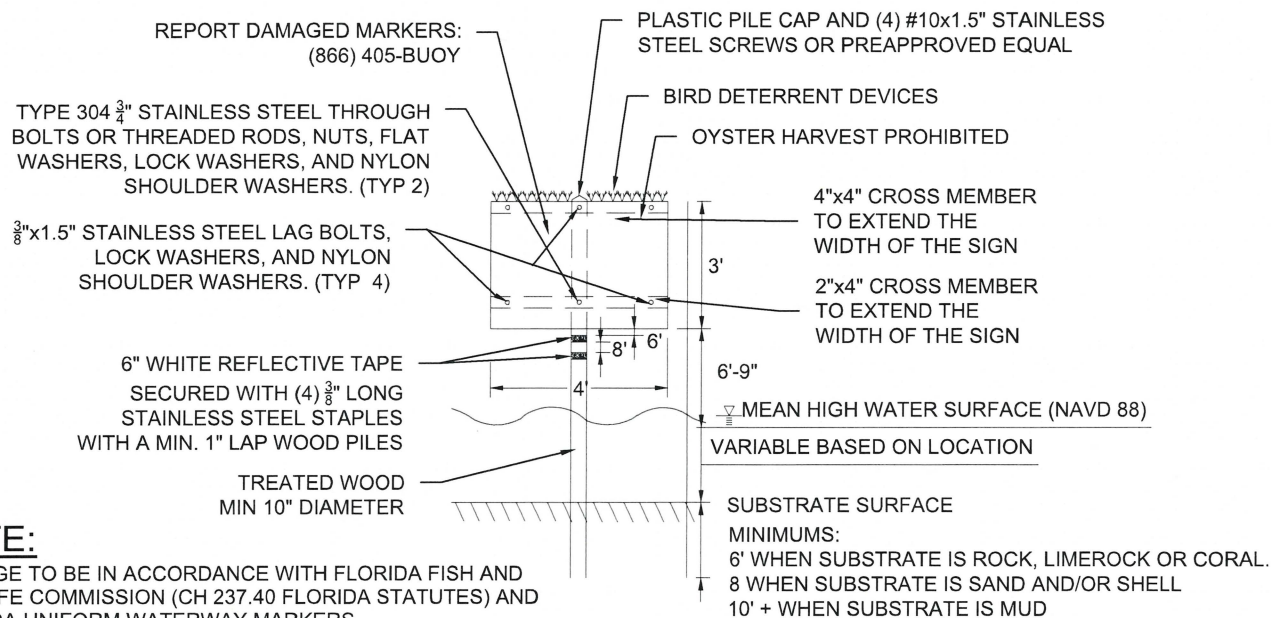
TEMPORARY MARKER BUOY



NOTE:

SIGNAGE TO BE IN ACCORDANCE WITH FLORIDA FISH AND WILDLIFE COMMISSION (CH 237.40 FLORIDA STATUTES) AND FLORIDA UNIFORM WATERWAY MARKERS.

REEF SIGN MARKER



NOTE:

SIGNAGE TO BE IN ACCORDANCE WITH FLORIDA FISH AND WILDLIFE COMMISSION (CH 237.40 FLORIDA STATUTES) AND FLORIDA UNIFORM WATERWAY MARKERS.



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OYSTER REEF BREAKWATER
BAY COUNTY, FLORIDA



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NAVIGATION SIGNS,
TEMPORARY BUOY SYSTEM

SHEET 20 OF 20

DATE: FEBRUARY 2025

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