



**DEPARTMENT OF THE ARMY**  
U.S.ARMY CORPS OF ENGINEERS, MOBILE DISTRICT  
P.O. BOX 2288  
MOBILE, AL 36628-0001

**CESAM-RD-M**  
**PUBLIC NOTICE NO. SAM-2022-00174-MJF**

**June 15, 2022**

**JOINT PUBLIC NOTICE**  
**U.S. ARMY CORPS OF ENGINEERS**

**MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**OFFICE OF POLLUTION CONTROL (MDEQ)**

**MISSISSIPPI DEPARTMENT OF MARINE RESOURCES**  
**DMR22-000078**

**PLACEMENT OF FILL ASSOCIATED WITH THE CONSTRUCTION OF**  
**BREAKWATERS, HANCOCK COUNTY, MISSISSIPPI**

**TO WHOM IT MAY CONCERN:**

This District has received an application for a Department of the Army (DA) permit pursuant to Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act (33 USC 1344). Please communicate this information to interested parties.

**APPLICANT: Mississippi Department of**  
**Environmental Quality**  
**Attention: Mr. Chris Wells**  
**P.O. Box 2261**  
**Jackson, Mississippi 39225**  
**cwells@mdeq.ms.gov**

**WATERWAY AND LOCATION: In the Mississippi Sound from Bayou Bolan to Bayou Caddy, Sections 20, 29, 30, and 31, Township 9 South, Range 14 West, Hancock County, Mississippi.**

**Coordinates for Segment 1: (1.5 miles)**  
**Beginning: 32.2183°N/-89.4340°W**  
**Ending: 30.2326°N/-89.4177°W**

**Coordinates for Segment 2: (0.2 miles)**  
**Beginning: 30.2376°N/-89.4201°W**  
**Ending: 30.2381°N/-89.4209°W**

**PROPOSED WORK:** The applicant proposes to place fill material for the construction of 1.7 miles of a breakwater structure. This structure would be in two separate segments. The first being 1.5 miles in length from Bayou Bolan to an existing USACE Breakwater structure. The second segment is an additional 0.2 miles in length and extends from the USACE Breakwater structure to Bayou Caddy. The proposed work is considered Phase 6 of the existing Hancock County Marsh Living Shoreline breakwater structure, previously permitted under SAM-2013-00088-MJF. The proposed breakwater design would have a 15-foot crest width with heights varying from 3.5 to 8.5 feet based on existing contours.

Base widths would range from 55 feet to 95 feet. The maximum design crest elevation would be +2.5 feet NAVD88. The total footprint of both breakwater segments would be approximately 17 acres in size and would be placed on a geocomposite fabric base. The volume of material placed would be approximately 175,000 cubic yards of clean riprap. The breakwaters would be installed in segments with each segment being approximately 75 feet in length with 25-foot gaps between each segment. The side slopes of the seaward-facing side would be 5H:1V to 6H:1V while the marsh-facing side slopes would be 3H:1V. Aids to Navigation signage would be coordinated with the U.S. Coast Guard to determine the type of signage required and the locations of the signage. Based on preliminary data from geotechnical sampling and experience from previous phases of the project, long-term settlement of the breakwater is expected to be 0.5 to 1.25 feet. The higher crest heights are expected to settle to design height within a 1 to 2 year period. Best Management Practices would be utilized throughout the construction process. A submerged aquatic vegetation (SAV) and oyster survey was conducted along the project area December 9, 2020. No SAV or oysters were observed or collected within the project area.

The applicant has applied for coastal zone (CZ) consistency in accordance with the State Coastal Zone Management Program. A determination relative to CZ consistency will be made by the Mississippi Department of Marine Resources. (DMR22-000078)

The Clean Water Act (CWA) Section 401 Certification Rule (Certification Rule, 40 CFR 121), requires certification for any license or permit that authorizes an activity that may result in a discharge. The applicant is responsible for requesting certification and providing required information to the certifying agency. As of the date of this public notice, the applicant has not submitted a certification request to the Mississippi Department of Environmental Quality (certifying authority).

This public notice is being distributed to all known interested persons in order to assist in developing facts on which a decision by the U.S. Army Corps of Engineers (USACE) can be based. For accuracy and completeness of the record, all data in support of or in opposition to the proposed work should be submitted in writing setting forth sufficient detail to furnish a clear understanding of the reasons for support or opposition.

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 benefit 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 the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic 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, consideration of property ownership and, in general, the needs and welfare of the people.

The USACE 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 USACE to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on 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 and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state with particularity, the reasons for holding a public hearing.

Evaluation of the probable impacts involving deposits of dredged or fill material into waters of the United States will include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency.

In accordance with Section 106 of the National Historic Preservation Act, and Appendix C of 33 CFR 325, the undertaking defined in this notice is being considered for the potential to affect historic properties. In accordance with Appendix C of 33 CFR 325, the Corps has determined the permit area consists of the footprint of the proposed breakwater. The National Register of Historic Places has been consulted and no properties listed in or eligible for the National Register are known to exist which would be affected by the proposed work. The USACE has made a preliminary determination that the proposed project would have “**no effect**” on historic properties. However, we are seeking comment from the State Historic Preservation Officer, federally-recognized American Indian tribes, local historical societies, museums, universities, the National Park Service, and the general public regarding the existence or the potential for existence of significant cultural and historic properties which may be affected by the work. This action constitutes the full extent of cultural resources investigations unless comment to this notice is received documenting that significant sites or properties exist which may be affected by this work, or that adequately documents that a potential exists for the location of significant sites or properties within the project area.

Preliminary review of this application and the U.S. Department of the Interior’s List of Endangered and Threatened Wildlife and Plants indicated the following species may be present onsite: The Eastern Black Rail (*jamaicensis jamaicensis*) (T), the Piping Plover (*Charadrius melodus*)(T), the Red Knot (*Calidris canutus rufa*)(T), the West Indian Manatee (*Trichechus manatus*)(T), the Gulf Sturgeon (*Acipenser oxyrinchus desotoi*) and Gulf Sturgeon Critical Habitat, The Loggerhead Sea Turtle (*Caretta caretta*)(E), the Green Sea Turtle (*Chelonia mydas*)(T), the Hawksbill Turtle (*Eretmochelys imbricata*)(E), the Leatherback Turtle (*Dermochelys coriacea*)(E), the Kemp’s Ridley Turtle (*Lepidochelys kempii*)(E), and the Giant Manta Ray (*Manta birostris*)(T). The USACE has made a preliminary determination that the proposed work will have **no effect** on the Eastern Black Rail, the Piping Plover and the Red Knot. The USACE has made a preliminary

determination that the proposed work **may affect, but is not likely to adversely affect** the West Indian Manatee, the Giant Manta Ray, all species of Sea Turtle listed above, and the Gulf Sturgeon and it's Critical Habitat. This notice serves as request to the U.S. Fish and Wildlife Service and National Marine Fisheries Service for information on whether any listed or proposed to be listed endangered or threatened species may be present in the area which would be affected by the proposed activity.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The proposal would impact approximately 17 acres of marine substrate utilized by various life stages of species included in Fishery Management Plans for Coastal Migratory Pelagics, Red Drum, Reef Fish, Shrimp, Corals, or Highly Migratory Species. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or Federally managed fisheries. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

Correspondence concerning this Public Notice should refer to Public Notice Number SAM-2022-00174-MJF and should be directed to the District Engineer, U.S. Army Engineer District, Mobile, Post Office Box 2288, Mobile, Alabama 36628-0001, Attention: South Mississippi Branch, [maryellen.j.farmer@usace.army.mil](mailto:maryellen.j.farmer@usace.army.mil) with a copy to the Mississippi Department of Environmental Quality, Office of Pollution Control, Post Office Box 2261, Jackson, Mississippi 39225, [FBass@mdeq.ms.gov](mailto:FBass@mdeq.ms.gov) and the Mississippi Department of Marine Resources, 1141 Bayview Avenue, Biloxi, Mississippi 39530, [Greg.Christodoulou@dmr.ms.gov](mailto:Greg.Christodoulou@dmr.ms.gov) in time to be received within **30 days** of the date of this public notice.

If you have any questions concerning this publication, you may contact the project manager for this application, **Maryellen J. Farmer** ([maryellen.j.farmer@usace.army.mil](mailto:maryellen.j.farmer@usace.army.mil)), at (228) 523-4116. Please refer to the above Public Notice number.

For additional information about our Regulatory Program, please visit our website at: [www.sam.usace.army.mil](http://www.sam.usace.army.mil) and please take a moment to complete our customer satisfaction survey while you're there. Your responses are appreciated and will allow us to improve our services.

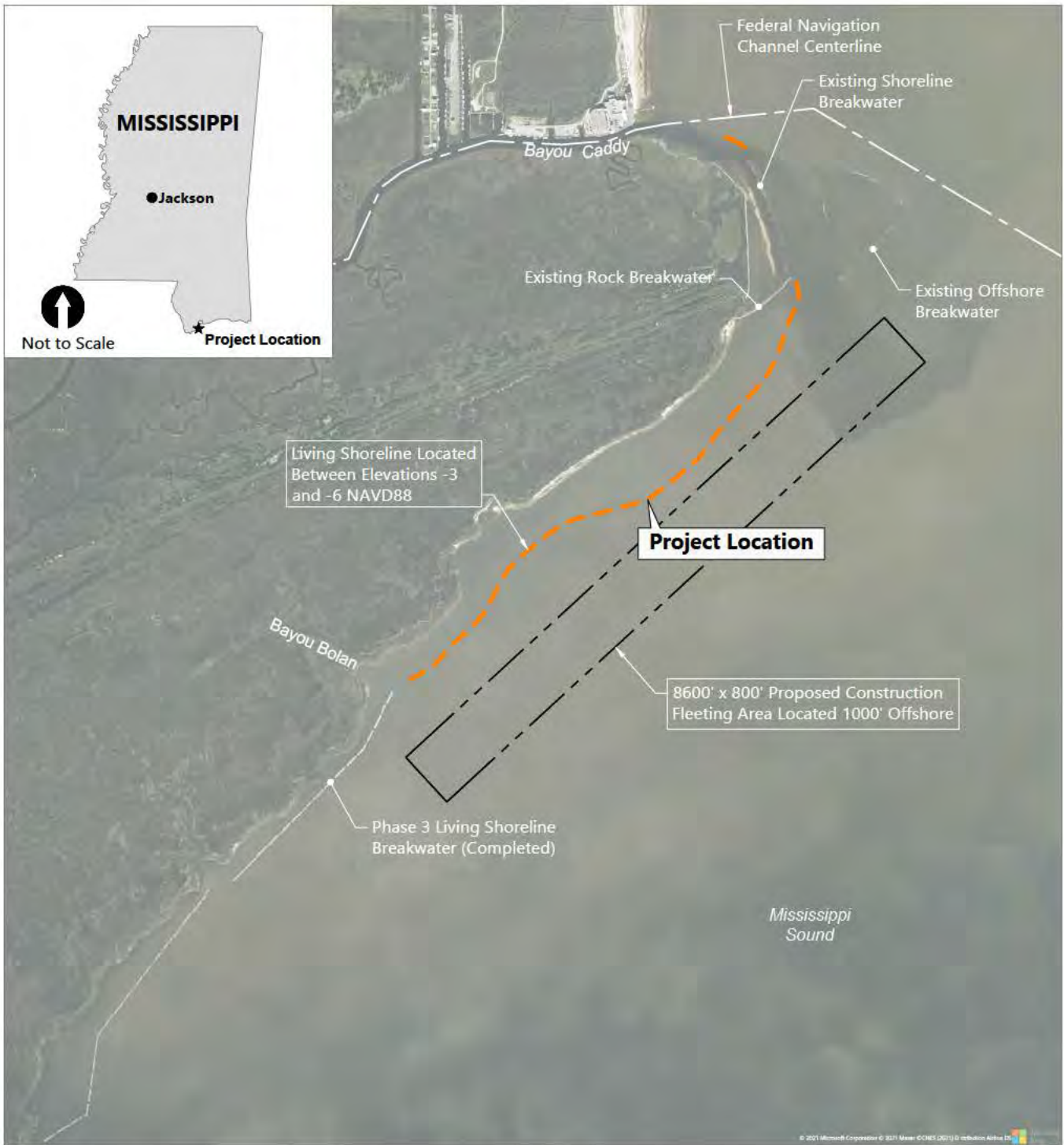
MOBILE DISTRICT  
U.S. Army Corps of Engineers

Enclosures

Hancock County Marsh Living Shoreline Phase 6  
Joint Application and Notification Form



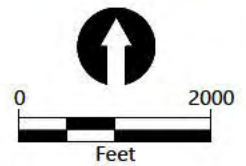
Figure 1: Project Location Map



**SOURCE:** ©2021 Microsoft Corporation ©2021 Maxar  
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**HORIZONTAL DATUM:** Mississippi State Plane East  
 Zone, NAD83, U.S. Survey Feet  
**VERTICAL DATUM:** NAVD88

**LEGEND:**

— — — — Proposed Breakwater Alignment



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 Filepath: 1275-Permit-1.dwg Figure 1




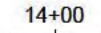

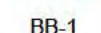
**Figure 1**  
**Vicinity Map**

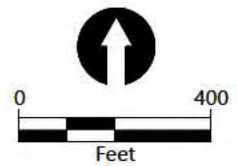
MDEQ Hancock County Marsh Living Shoreline  
 Bayou Bolan to Bayou Caddy Segment



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**HORIZONTAL DATUM:** Mississippi State Plane East  
 Zone, NAD83, U.S. Survey Feet  
**VERTICAL DATUM:** NAVD88

**LEGEND:**

-  Bathymetric Contours (1' Interval)
-  14+00 Project Alignment and Station
-  Proposed Breakwater Contours
-  BB-1 Breakwater Segment Designation

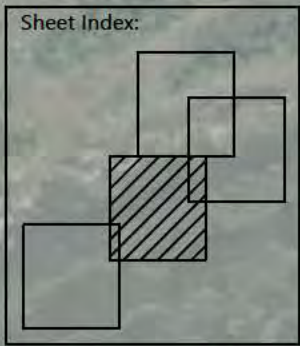


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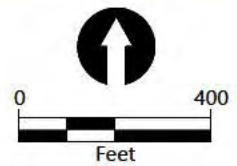
**Figure 2**  
**Proposed Phase 6 Living Shoreline Breakwater (Plan 1 of 4)**

MDEQ Hancock County Marsh Living Shoreline  
 Bayou Bolan to Bayou Caddy Segment



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**HORIZONTAL DATUM:** Mississippi State Plane East  
 Zone, NAD83, U.S. Survey Feet  
**VERTICAL DATUM:** NAVD88

- LEGEND:**
- Bathymetric Contours (1' Interval)
  - 14+00 Project Alignment and Station
  - Proposed Breakwater Contours
  - BB-1 Breakwater Segment Designation



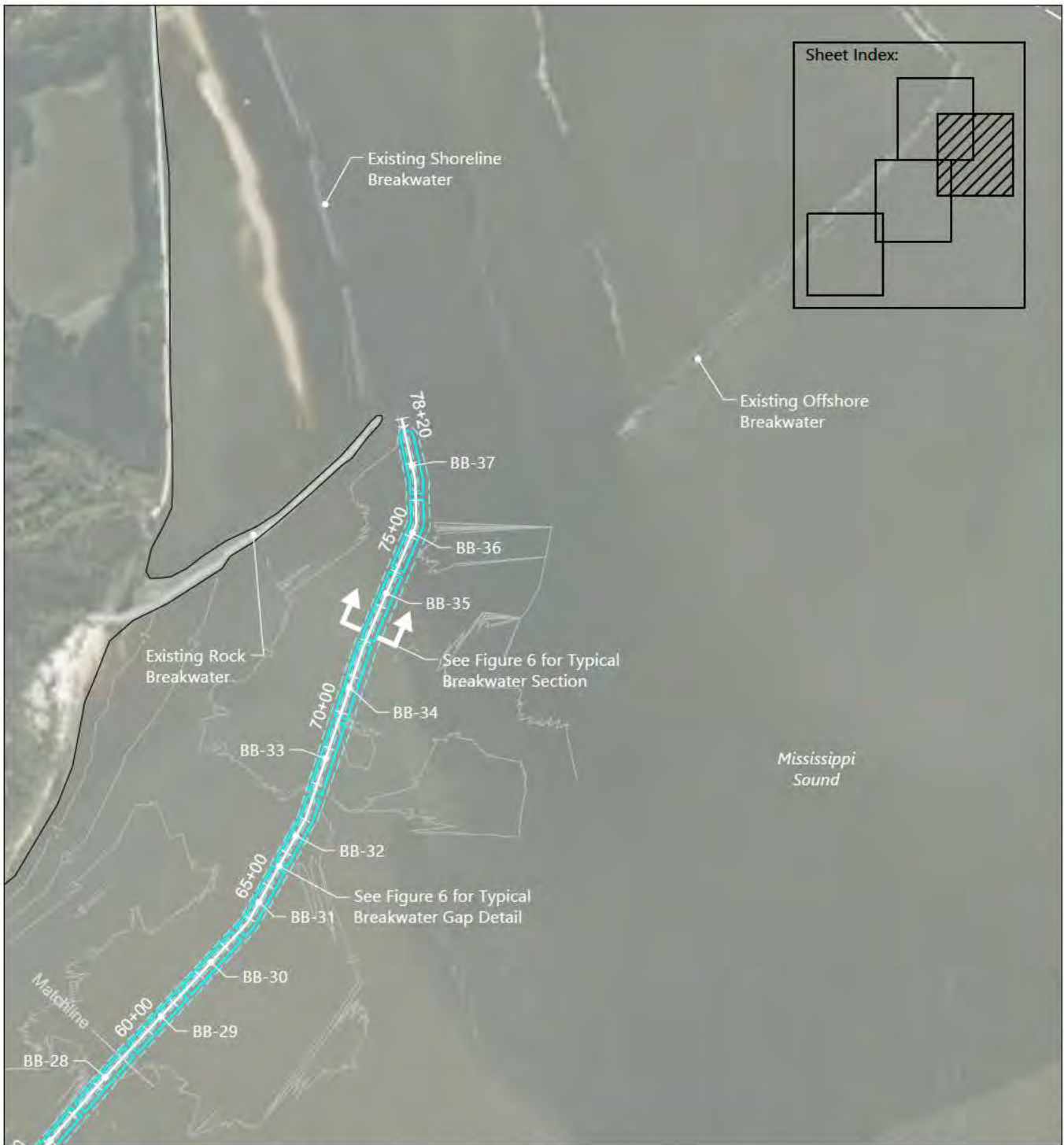
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**Figure 3**  
**Proposed Phase 6 Living Shoreline Breakwater (Plan 2 of 4)**

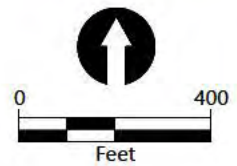
MDEQ Hancock County Marsh Living Shoreline  
 Bayou Bolan to Bayou Caddy Segment





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**HORIZONTAL DATUM:** Mississippi State Plane East  
 Zone, NAD83, U.S. Survey Feet  
**VERTICAL DATUM:** NAVD88

- LEGEND:**
- Bathymetric Contours (1' Interval)
  - 14+00 Project Alignment and Station
  - Proposed Breakwater Contours
  - BB-1 Breakwater Segment Designation

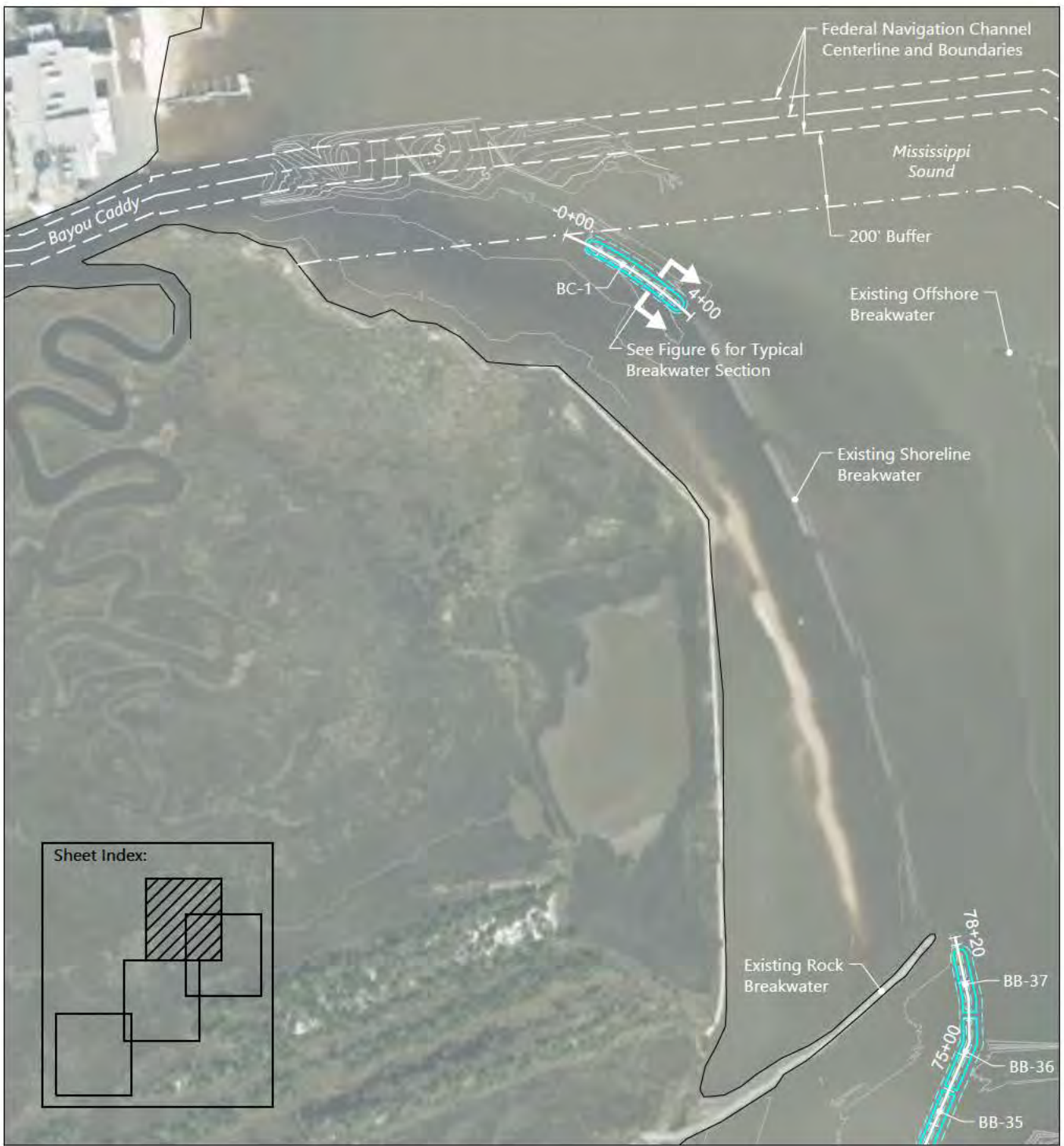


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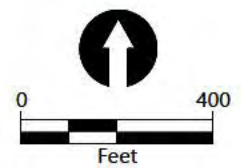
**Figure 4**  
**Proposed Phase 6 Living Shoreline Breakwater (Plan 3 of 4)**

MDEQ Hancock County Marsh Living Shoreline  
 Bayou Bolan to Bayou Caddy Segment



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- LEGEND:**
- Bathymetric Contours (1' Interval)
  - 14+00 Project Alignment and Station
  - Proposed Breakwater Contours
  - Breakwater Segment Designation

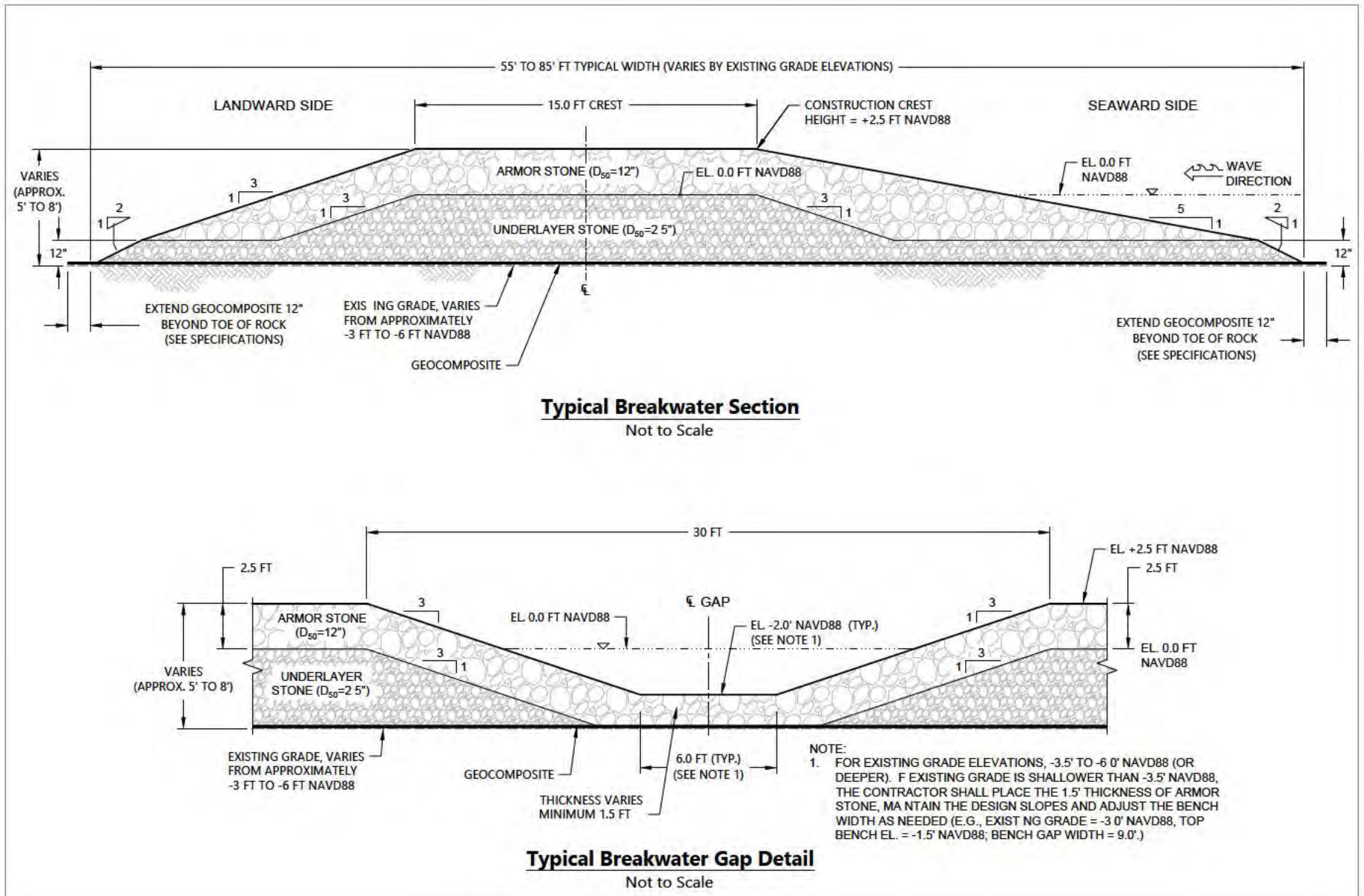


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**Figure 5**  
**Proposed Phase 6 Living Shoreline Breakwater (Plan 4 of 4)**

MDEQ Hancock County Marsh Living Shoreline  
 Bayou Bolan to Bayou Caddy Segment



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**Figure 6**  
**Typical Phase 6 Living Shoreline Breakwater Section and Detail**

MDEQ Hancock County Marsh Living Shoreline  
 Bayou Bolan to Bayou Caddy Segment