



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

CESAM RD-A
PUBLIC NOTICE NO. SAM-2024-00553-DJL

February 5, 2025

JOINT PUBLIC NOTICE
U.S. ARMY CORPS OF ENGINEERS AND
STATE OF ALABAMA
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

REQUEST FOR AUTHORIZATION TO DREDGE WATERBOTTOMS AND
DISCHARGE DREDGED MATERIAL IN ASSOCIATION WITH BEACH AND DUNE
RESTORATION ACTIVITIES WITHIN THE TOWN OF DAUPHIN ISLAND, FRONTING
THE GULF OF MEXICO, MOBILE COUNTY, ALABAMA

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 (33 USC 403) & Section 404 of the Clean Water Act (33 U.S.C. 1344). Please communicate this information to interested parties.

APPLICANT: Town of Dauphin Island
Attention: Mayor Jeff Collier
1011 Bienville Boulevard
Dauphin Island, Alabama 36528

AGENT: Ardea Environmental Consultants, LLC
Attention: Lois A. Edwards
130 S. Indian River Drive, Suite 202
Ft. Pierce, Florida 34950

LOCATION/WATERS: In the waters of the Gulf of Mexico; on waterbottoms and shorelines fronting the west end of Dauphin Island; within Section 00, Township 9 South, Range 2 West; beginning at Latitude 30.2486 and Longitude -88.2024; ending at Latitude 30.2501 and Longitude -88.1400; in Dauphin Island, Mobile County, Alabama. See attachments for location details.

The proposed borrow areas (IIIa, IIIb, IV, Va, Vb, Vc, and VI) are located on the southern end of the ebb tidal shoal of Mobile Pass; approximately 5.5 miles southeast of Dauphin Island and 1 mile south-southwest of Sand Island Lighthouse; at Latitude 30.178584 and Longitude -88.063899.

The dredged material pipeline will extend from the borrow areas to the eastern and western extent of the fill footprint, within the pipeline corridor area.

PROJECT PURPOSE: The purpose of the project is to improve beach/dune habitat, protect infrastructure, reduce island overwashing and provide a recreational beach by reestablishing beach and dune complexes fronting the Gulf of Mexico. The project would prevent the ongoing shoreline retreat of the West End Beaches and mitigate recent and future potential storm-induced erosion of the beach, and to maintain the increased storm protection to upland habitats and resources afforded by the beach.

PROPOSED WORK: The project will extend along approximately 3.5 miles of the west end shoreline fronting the Gulf of Mexico. Approximately 2,565,000-cubic-yards of beach compatible sand will be placed within a 18,500-foot-long by 450-foot-wide (on average) area of the shoreline, totaling 202.4-acres (25.4-acres upland and 177-acres waterward of MHW). Sediment is expected to be pumped through a series of submerged pipelines and rest on the seafloor, which would extend from the borrow areas to the fill areas. The dredge pipeline will be marked for navigational safety, as required by the U.S. Coast Guard.

The total fill volume is 2,565,000-cubic-yards (202.4-acres) with 1,365,000-cubic-yards placed below the mean high water (MHW) and 1,200,000-cubic-yards placed above MHW. The beach berm will be constructed to slope down from an elevation of +6 feet North American Vertical Datum of 1988 (NAVD) at the dune toe at a slope of 1V:200H to the berm crest. At the edge of the beach berm crest, the construction beach fill template will slope down on a constructed slope of 1V:12H until it intercepts the existing submerged grade.

Vegetated dunes are proposed along the length of the project, with gaps at several locations for emergency access through the dune. Dunes in the western 3,400 feet would be constructed in two rows each with: a crest elevation of +14 feet NAVD; crest width of 15 feet; and 1V:2H side slopes. Dunes in the remainder of the project and extending approximately 625 feet eastward of the end of the beach fill will have: a crest elevation of +16 feet NAVD; crest width 15 feet; and 1V:2H side slopes. The dunes will be planted with native dune vegetation such as sea oats, beach elder, bitter panicum, and gulf bluestem which have root systems sufficient to withstand windblown sand and stabilize the created dune.

The proposed project will plant approximately 1,000,000 plants, restore 18,500 feet of Gulf of Mexico sandy beach and dune habitat, and create or improve approximately 30-acres of dune habitat and 125-acres of beach habitat. The remainder of the fill area will be submerged waterbottoms.

AVOIDANCE AND MINIMIZATION: The applicant has indicated the proposed project has been designed to avoid impacts to any submerged aquatic vegetation (SAV) and wetlands that may be present within the project area. Furthermore, Best Management Practices (BMPs) will be implemented to prevent water quality impacts within Wolf Bay during project implementation. The U.S. Army Corps of Engineers (USACE), Mobile

District, has not verified the adequacy of the applicant's avoidance and minimization efforts at this time.

MITIGATION: Compensatory mitigation would not be required because the activity consists of construction of structures that would not adversely impact special aquatic sites.

WATER QUALITY/COASTAL ZONE MANAGEMENT (CZM): The applicant will apply for certification from the State of Alabama in accordance with Section 401(a)(1) of the Clean Water Act, as well as Coastal Zone Management (CZM) consistency certification in accordance with the Alabama Coastal Zone Management Program. Upon completion of the required advertising and public comment review, a determination relative to Water Quality Certification and Coastal Zone consistency will be made by the ADEM. This notice will serve as the notification to the Administrator of the Environmental Protection Agency (EPA) pursuant to section 401(a)(2) of the Clean Water Act.

HISTORIC PROPERTIES: In accordance with Section 106 of the National Historic Preservation Act and Appendix C of 33 CFR Part 325, the undertaking defined in this notice is being considered for the potential to affect cultural and historic properties within the permit area. In accordance with Appendix C of 33 CFR Part 325, the Mobile District has determined the permit area consists of the entire undertaking in waters of the United States. The National Register of Historic Places will be consulted for properties listed, or eligible for listing, in the National Register, which are known to exist and would be affected by the proposed work. The Mobile District is seeking comment from the State Historic Preservation Officer regarding the existence, or the potential for existence, of significant cultural and historic properties within the permit area. At this time, the USACE, Mobile District has made no determination regarding potential effects of the project on cultural/historic resources. Further coordination with the State Historic Preservation Officer and/or federally-recognized American Indian tribes will be performed as determined to be appropriate.

ESSENTIAL FISH HABITAT: This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The proposed project would impact approximately 202.4-acres of shoreline and approximately 389-acres of waterbottoms within the borrow areas utilized by various life stages of multiple marine species. Our final determination relative to project impacts is subject to review by and coordination with the National Marine Fisheries Service (NMFS).

ENDANGERED SPECIES: Preliminary review of this application and the U.S. Department of the Interior List of Endangered and Threatened Wildlife and Plants indicate the proposed activity may affect listed species, and/or their critical habitat. This notice and application will be coordinated with the U.S. Fish and Wildlife Service (FWS) to assess if the proposed activity will adversely affect listed endangered or threatened species, or their critical habitat, with the potential to occur within the Action Area for this

project.

COMMENTS: This public notice is being distributed to all known interested persons in order to assist in developing facts on which a decision by the USACE can be based. The Mobile District 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 below. 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. 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, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, and in general, the needs and welfare of the people. Evaluation of the probable impacts involving deposits of dredged or fill material into waters of the United States will also include the application of guidelines established by the Administrator of the U.S. Environmental Protection Agency.

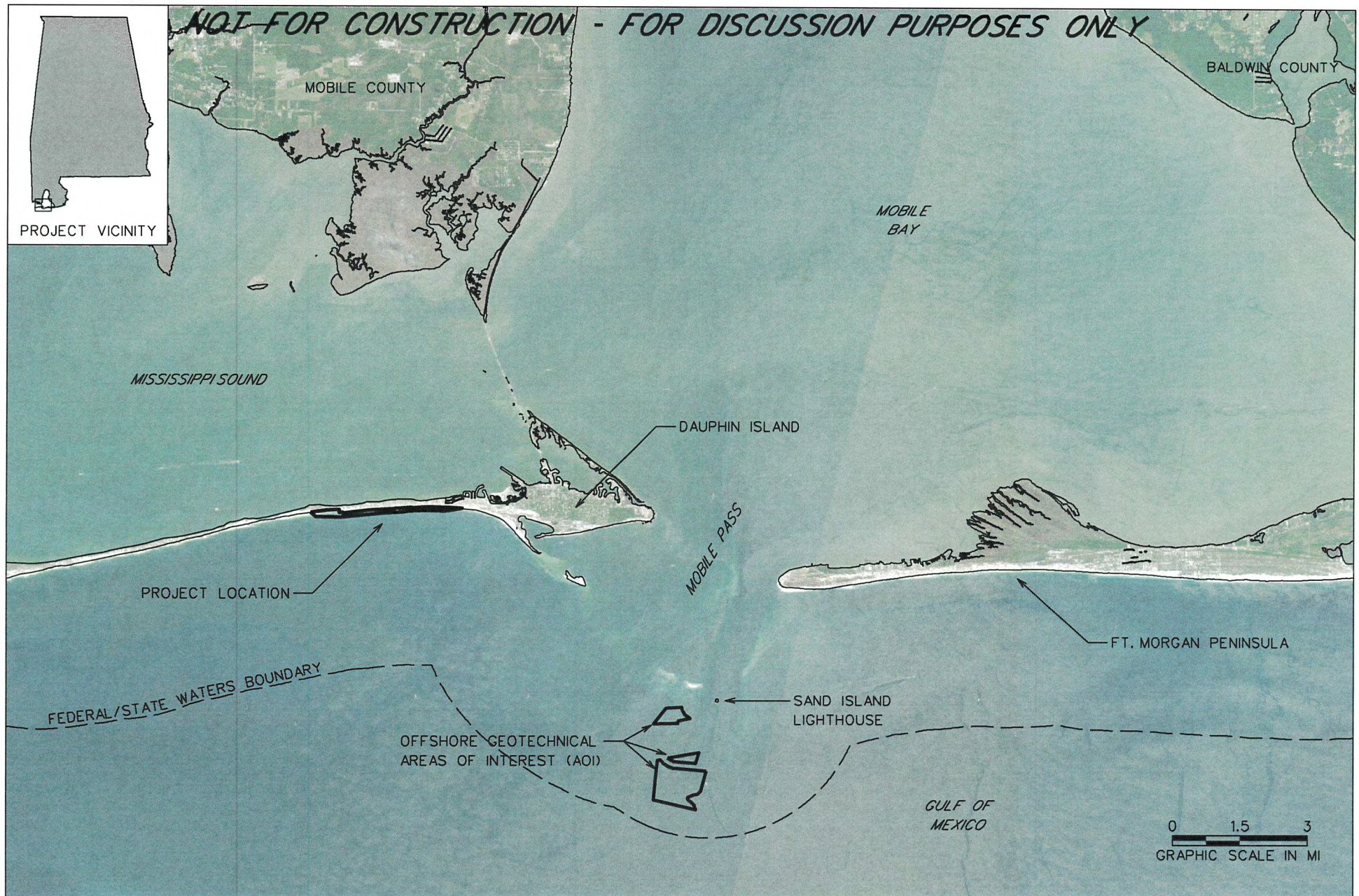
Correspondence concerning this public notice should refer to Public Notice Number **SAM-2024-00553-DJL** and should be directed to the project manager, Mr. Dana John Leach by e-mail at Dana.J.leach@usace.army.mil, or to the U.S. Army Corps of Engineers, Mobile District, Regulatory Division, Attention: Mr. Dana John Leach, Post Office Box 2288, Mobile, Alabama 36628-0001. Copies of all comments should be furnished to the Alabama Department of Environmental Management at coastal@adem.alabama.gov, or sent to: Alabama Department of Environmental Management, Mobile Branch / Coastal Section, 3664 Dauphin Street, Suite B, Mobile, Alabama 36608.

All Comments should be received no later than 30 days from the date of this Public Notice. If you have any questions concerning this publication, you may contact Mr. Dana John Leach by e-mail at Dana.J.Leach@usace.army.mil, or by phone at (251) 305-8963. Please refer to the above Public Notice Number **SAM-2024-00553-DJL**, in any communication concerning this project.

For additional information about our Regulatory Program, please visit our web site at www.sam.usace.army.mil/Missions/Regulatory.aspx.

MOBILE DISTRICT
U.S. Army Corps of Engineers

Attachments



Project Vicinity and Location Map
West End Beach & Dune Restoration
Dauphin Island, AL

DESIGN:
SD
DRAWING:
BB
DATE:
6/3/24

CHECK:
REVIEW:
SUBMITTED:



Town of Dauphin Island

SOUTH COAST ENGINEERS
Engineering for the Coast

DRAWING NO.

M

SH. 1/1



LAT:N30° 15' 00.46"
LONG:W88° 08' 38.50"
N:91539.60
E:1765153.75

LAT:N30° 14' 55.00"
LONG:W88° 12' 08.51"
N:91097.82
E:1746731.14

MIDDLE BEACH PARKING LOT UPLAND
STAGING AREA (SEE NOTE 2)

NOTES:

1. ALL PIPELINE WILL REST ON THE SEABED EXCEPT WHERE THE PIPELINE EMERGES AT THE BEACH FILL PLACEMENT SITE, THE DREDGE, AND WHERE IT CROSSES OFFSHORE GAS TRANSMISSION LINES (SUSPENDED ABOVE SEABED FOR CROSSING).
2. ADDITIONAL UPLAND STAGING AREAS ARE SHOWN IN EXISTING CONDITIONS AND BEACH FILL LAYOUT SHEETS.

PIPELINE CORRIDOR CENTERLINE POINTS

POINT #	NORTHING	EASTING
PLC1	90812.59	1749349.77
PLC2	90324.62	1749424.85
PLC3	89899.21	1749737.65
PLC4	89636.46	1750438.32
PLC5	91030.56	1753688.17
PLC6	90434.13	1753797.72
PLC7	90041.87	1754023.57
PLC8	89481.50	1754672.87
PLC9	91532.88	1758627.33
PLC10	90967.24	1758660.09
PLC11	90290.58	1758906.29
PLC12	89700.84	1759319.23
PLC13	89238.08	1759870.73
PLC14	83069.31	1769751.54
PLC15	68083.50	1789225.96
PLC16	60508.68	1790986.27

FEDERAL WATER LIMITS

200' (SEE NOTE 1)

MOBILE BAR CHANNEL

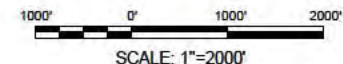
SAND ISLAND LIGHTHOUSE


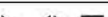
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C-102

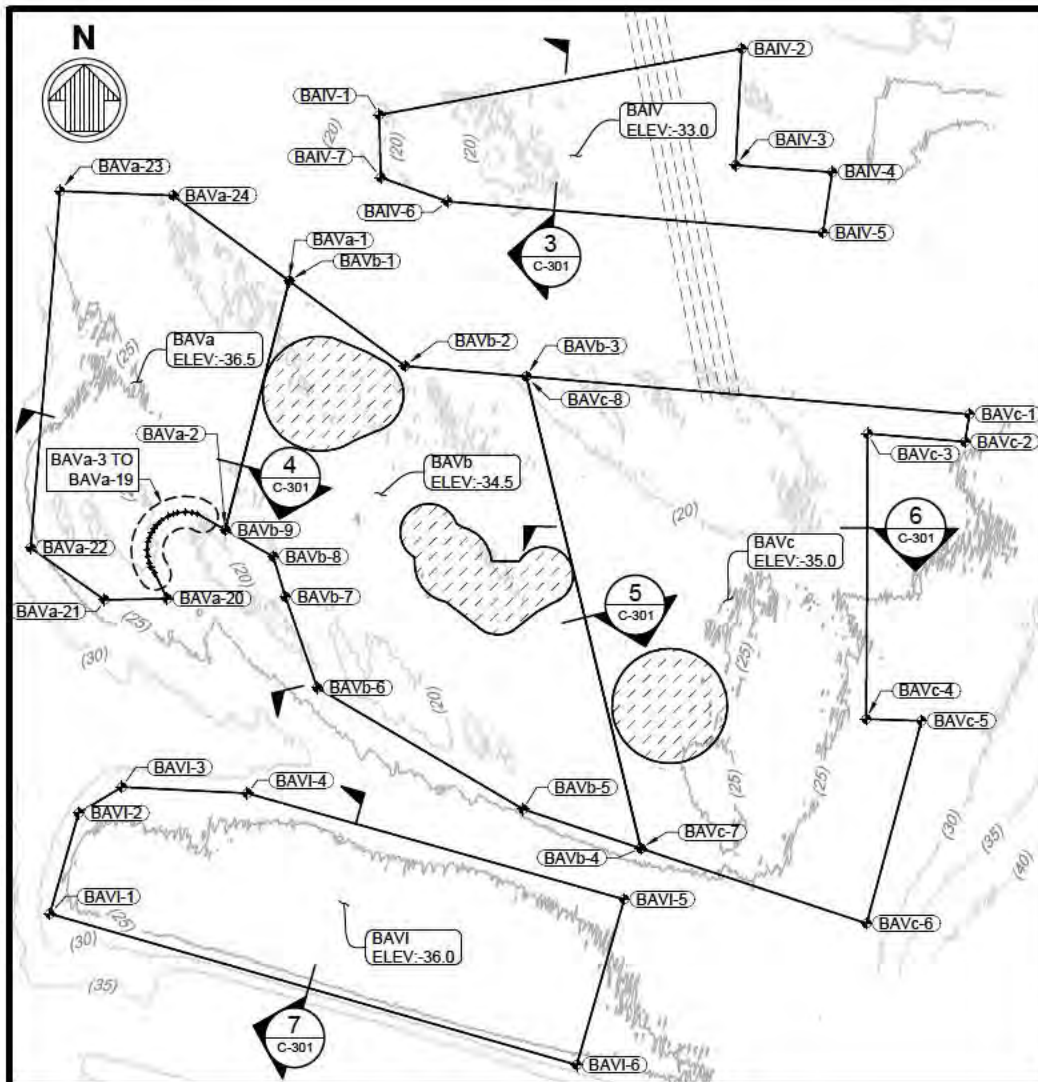
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C-102

LEGEND:

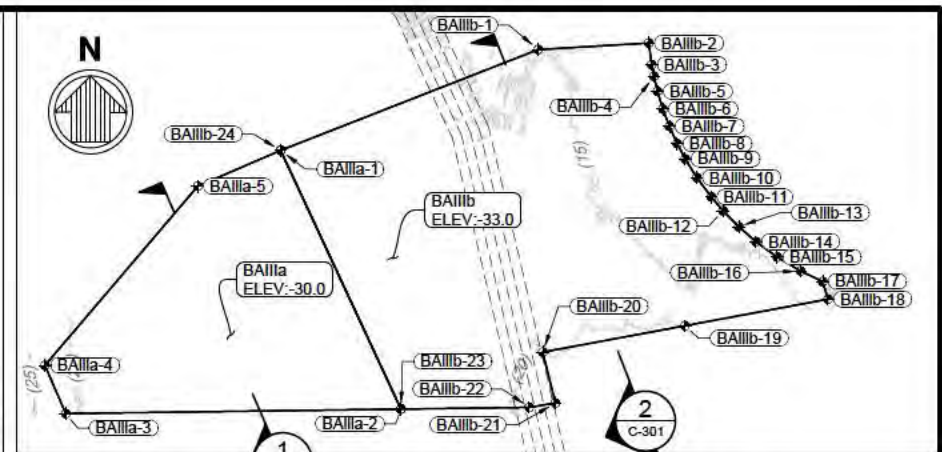
	BEACH FILL AREA		PROPOSED BORROW AREA
	PROPOSED DREDGE PIPELINE CORRIDOR		UPLAND STAGING AREA
	FEDERAL WATER LIMITS		
	MOBILE BAR CHANNEL		



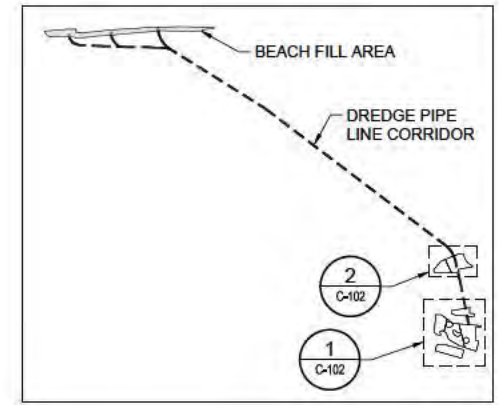
BY	DESCRIPTION	DATE	<div> GOODWYN MILLS CAWOOD 2039 MAIN STREET DAPHNE, AL 36526</div>	<div> moffatt & nichol 11 N WATER STREET, SUITE 20220 MOBILE, AL 36602 Phone: +1 251-378-9000</div>	<div>TOWN OF DAUPHIN ISLAND 1011 BIENVILLE BLVD, DAUPHIN ISLAND, AL 36528, UNITED STATES</div>	DAUPHIN ISLAND WEST NOURISHMENT		DREDGING OVERVIEW		
						USACE PERMIT NUMBER: SAM-2024-00553-DJL		DATE: 2025-JAN		
						PERMIT DRAWINGS: NOT FOR CONSTRUCTION		SHEET NO.: C-101		INDEX 12 OF 30
DRAWN BY: GE						DESIGNED BY: SLD		APPROVED BY: BW		



1 PLAN - BORROW AREA IV, V, VI
C-101 SCALE: 1" = 1000'



2 PLAN - BORROW AREA III
C-102 SCALE: 1" = 1000'



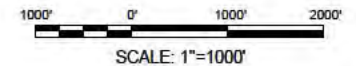
KEY PLAN

NOTES:

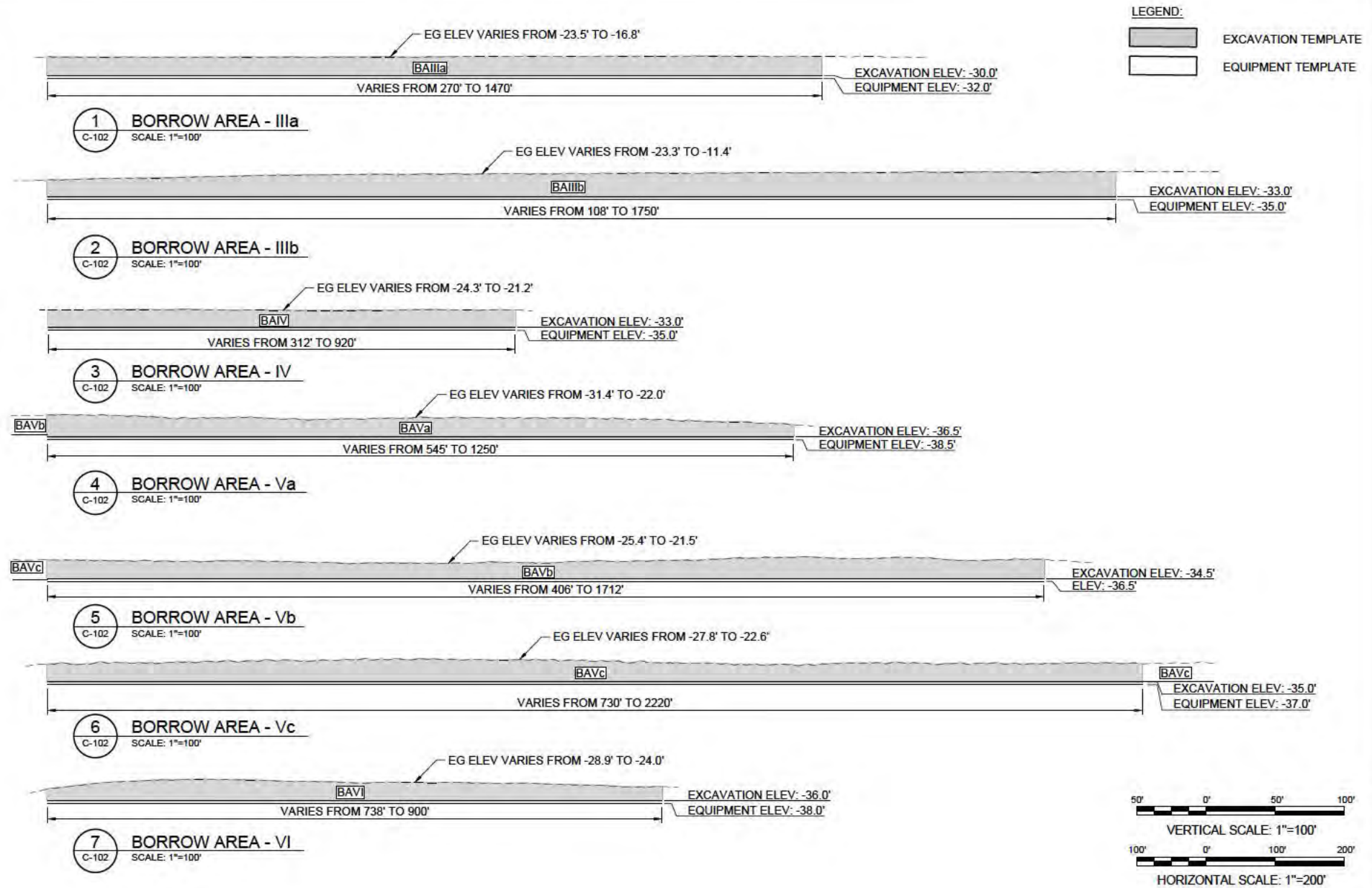
- ELEVATIONS LABELED FOR EACH BORROW AREA ARE PROPOSED EXCAVATION ELEVATIONS.
- SEE SHEET C-601 FOR BORROW AREA COORDINATE TABLES.



LEGEND:

- RESOURCE AVOIDANCE AREA
- BORROW AREA
- PROPOSED DREDGE PIPELINE CORRIDOR



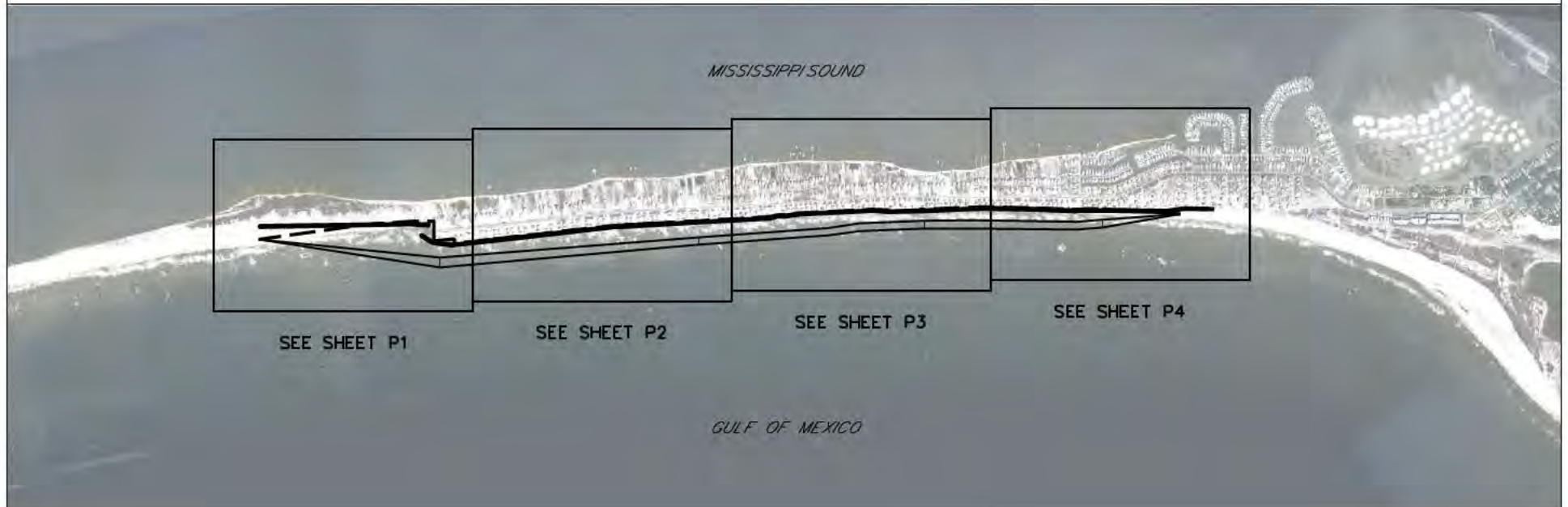
BY	DESCRIPTION	DATE	GMC		TOWN OF DAUPHIN ISLAND		DAUPHIN ISLAND WEST NOURISHMENT		BORROW AREA LAYOUT	
			GOODWYN MILLS CAWOOD 2039 MAIN STREET DAPHNE, AL 36526		1011 BIENVILLE BLVD, DAUPHIN ISLAND, AL 36528, UNITED STATES		USACE PERMIT NUMBER: SAM-2024-00553-DJL		DATE: 2025-JAN	
DRAWN BY: GE			DESIGNED BY: SLD		APPROVED BY: BW		PERMIT DRAWINGS: NOT FOR CONSTRUCTION		SHEET NO.: C-102	INDEX 13 OF 30



BY	DESCRIPTION	DATE	<div> GMC GOODWYN MILLS CAWOOD 2039 MAIN STREET DAPHNE, AL 36526</div>	<div> moffatt & nichol 11 N WATER STREET, SUITE 20220 MOBILE, AL 36602 Phone: +1 251-378-9000</div>	<div>TOWN OF DAUPHIN ISLAND 1011 BIENVILLE BLVD, DAUPHIN ISLAND, AL 36528, UNITED STATES</div>	DAUPHIN ISLAND WEST NOURISHMENT		BORROW AREA TYPICAL SECTIONS		
						USACE PERMIT NUMBER: SAM-2024-00553-DJL		DATE: 2025-JAN		
DRAWN BY: GE			DESIGNED BY: SLD		APPROVED BY: BW		PERMIT DRAWINGS: NOT FOR CONSTRUCTION		SHEET NO.: C-301	INDEX 23 OF 30

Department of the Army // SAM-2024-00553-DJL

NOT FOR CONSTRUCTION - FOR DISCUSSION PURPOSES ONLY



0 1500 3000
GRAPHIC SCALE IN FT

Plan Overview
West End Beach & Dune Restoration
Dauphin Island, AL

DESIGN: SD	CHECK:
DRAWING: BB	REVIEW:
DATE: 1/30/24	SUBMITTED:



Town of Dauphin Island

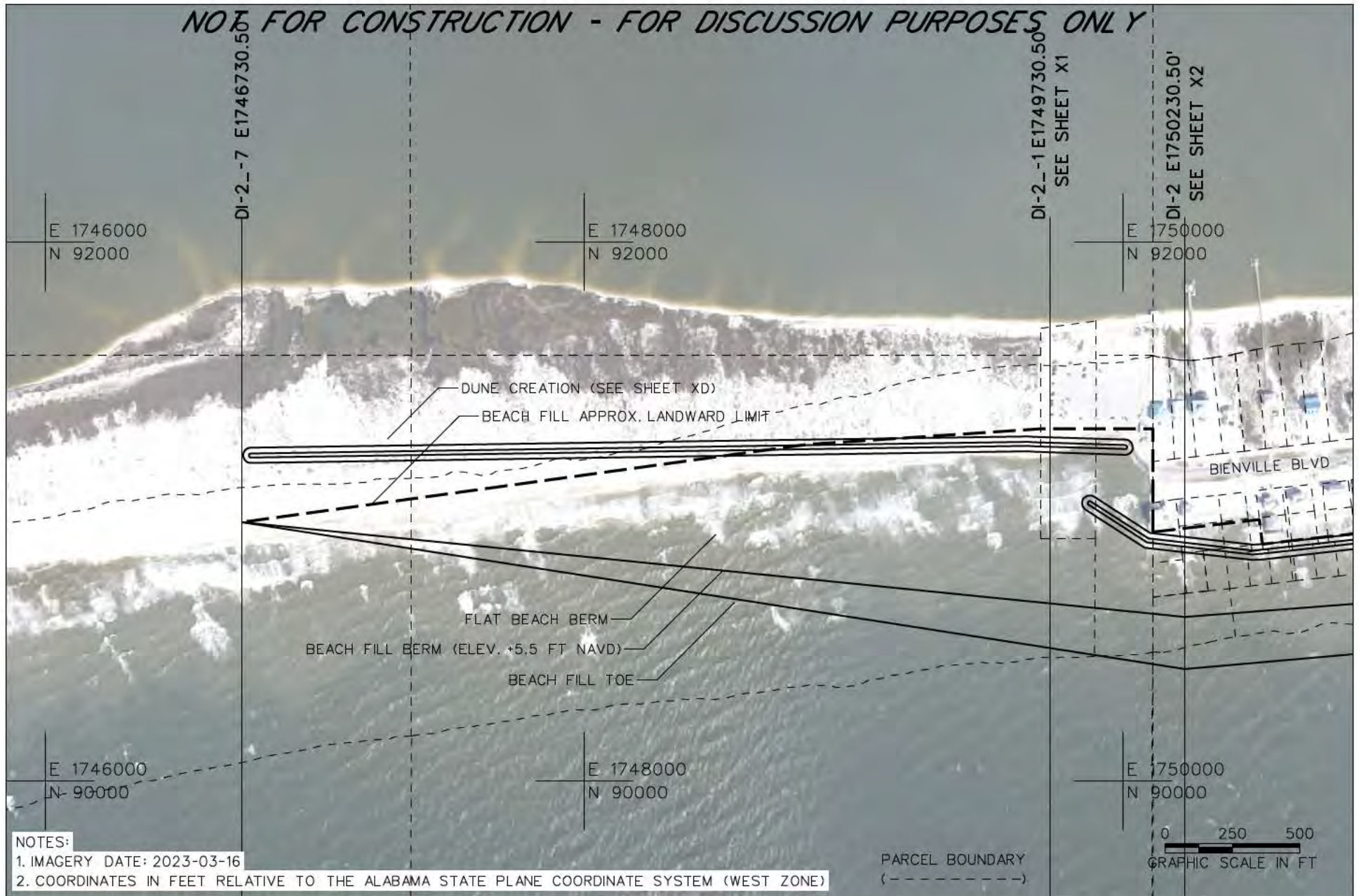
SOUTH COAST ENGINEERS
Engineering for the Coast

DRAWING NO.

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SH. 02/12

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Conceptual Plan View 1
West End Beach & Dune Restoration
Dauphin Island, AL

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1/30/24

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REVIEW:

SUBMITTED:



Town of Dauphin Island

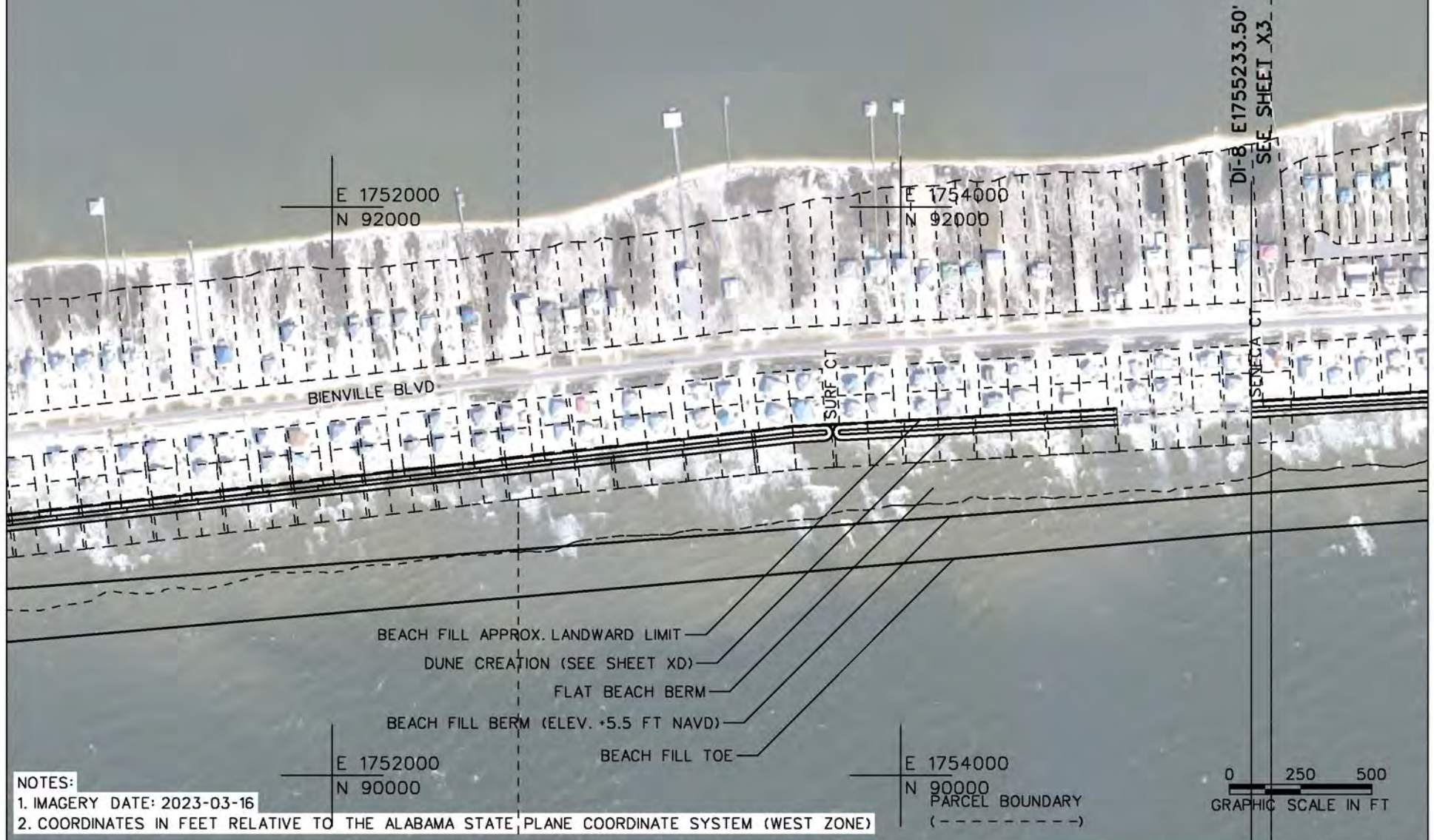
SOUTH COAST ENGINEERS
Engineering for the Coast

DRAWING NO.

P1

SH. 03/12

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Conceptual Plan View 2
West End Beach & Dune Restoration
Dauphin Island, AL

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DRAWING: BB	REVIEW:
DATE: 1/30/24	SUBMITTED:

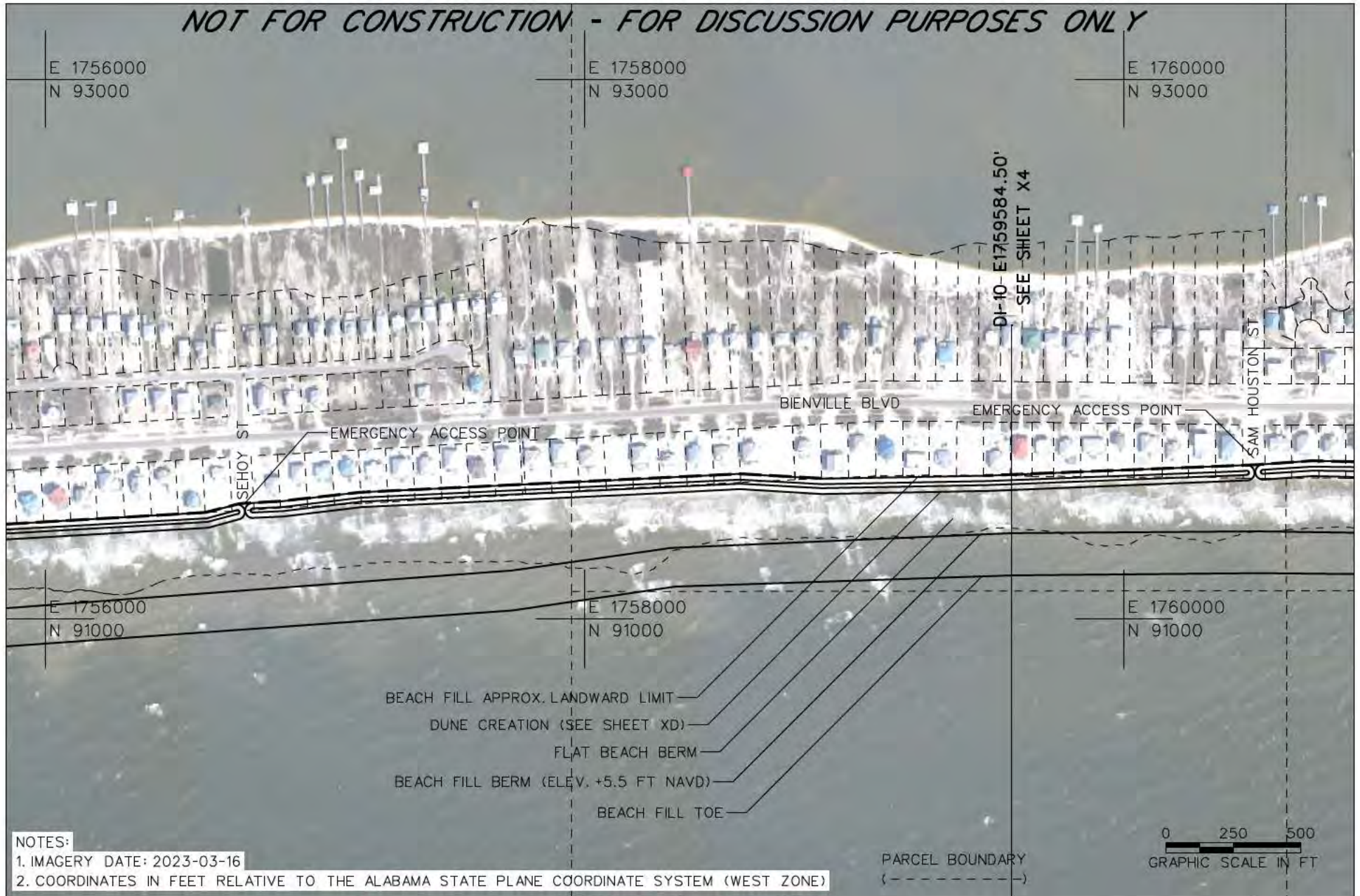


Town of Dauphin Island

SOUTH COAST ENGINEERS
Engineering for the Coast

DRAWING NO.
P2
SH. 04/12

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NOTES:

1. IMAGERY DATE: 2023-03-16

2. COORDINATES IN FEET RELATIVE TO THE ALABAMA STATE PLANE COORDINATE SYSTEM (WEST ZONE)

Conceptual Plan View 3
West End Beach & Dune Restoration
Dauphin Island, AL

DESIGN:
SD

DRAWING:
BB

DATE:
1/30/24

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REVIEW:

SUBMITTED:



Town of Dauphin Island

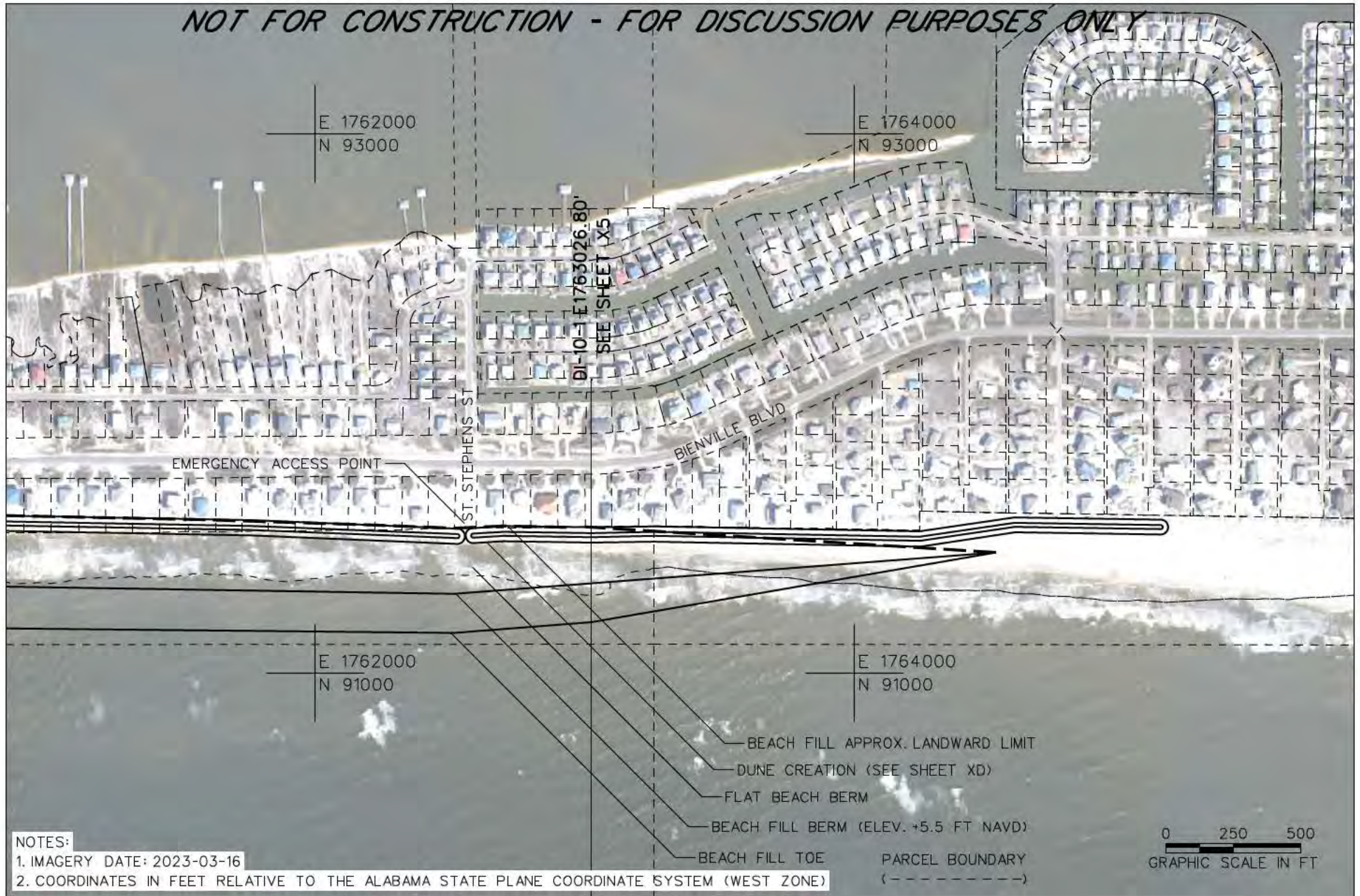
SOUTH COAST ENGINEERS
Engineering for the Coast

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P3

SH. 05/12

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NOTES:

1. IMAGERY DATE: 2023-03-16

2. COORDINATES IN FEET RELATIVE TO THE ALABAMA STATE PLANE COORDINATE SYSTEM (WEST ZONE)

Conceptual Plan View 4
West End Beach & Dune Restoration
Dauphin Island, AL

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SD

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1/30/24

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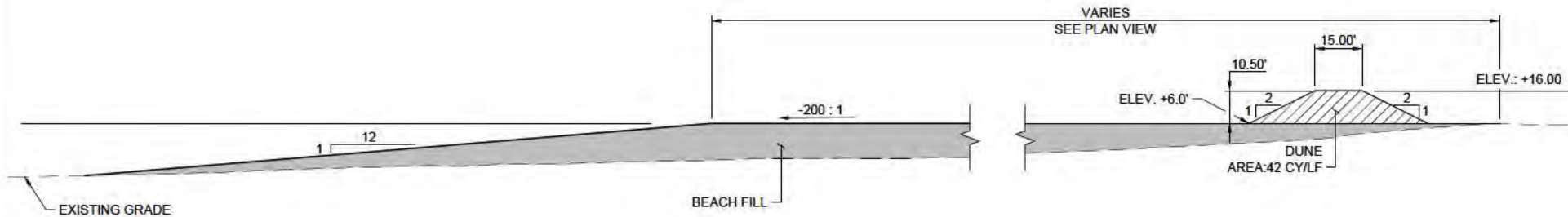
Town of Dauphin Island

SOUTH COAST ENGINEERS
Engineering for the Coast

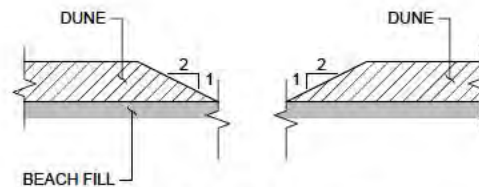
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P4


SH. 06/12



3 BEACH FILL TYPICAL SECTION
 SCALE: 1"=50'
 C-106
 C-107
 C-108
 C-109
 C-110
 C-111



4 DUNE BREAK TYPICAL SECTION
 SCALE: 1"=50'
 C-110

BY	DESCRIPTION	DATE	<div><div>GMC</div><div>GOODWYN MILLS CAWOOD 2039 MAIN STREET DAPHNE, AL 36526</div></div>	<div><div></div><div>moftatt & nichol</div><div>11 N WATER STREET, SUITE 20220 MOBILE, AL 36602 Phone: +1 251-378-9000</div></div>	<div><div>TOWN OF DAUPHIN ISLAND</div><div>1011 BIENVILLE BLVD, DAUPHIN ISLAND, AL 36528, UNITED STATES</div></div>	DAUPHIN ISLAND WEST NOURISHMENT		BEACH FILL TYPICAL SECTIONS	
						USACE PERMIT NUMBER: SAM-2024-00553-DJL		DATE: 2025-JAN	
						PERMIT DRAWINGS: NOT FOR CONSTRUCTION		SHEET NO.: C-302	INDEX 24 OF 30
DRAWN BY: GE			DESIGNED BY: SLD		APPROVED BY: BW				