



US Army Corps
of Engineers®

PUBLIC NOTICE

Applicant:
David Wiecking
Middlesex Beach Association

Published: November 24, 2025
Expires: December 9, 2025

Philadelphia District
File number: NAP-2021-00092-85

TO WHOM IT MAY CONCERN: The Philadelphia 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/or** 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: David Wiecking
Middlesex Beach Association
Post Office Box 584
Bethany Beach, Delaware 19930

AGENT: Tyler Littlefield
Gahagan and Bryant
295A North Green Meadows Drive
Wilmington, North Carolina 28405

WATERWAY AND LOCATION: The project is located along the Atlantic Ocean Shoreline of Middlesex Beach Community located between Bethany Beach and South Bethany Beach in Sussex County, Delaware. The coordinates for the beach replenishment are 38.519277°N / 75.051609°W.

EXISTING CONDITIONS: The existing shoreline is between two federally nourished beaches on an approximately 3-year cycle. While the existing beach condition is adequate, the community is concerned that a severe storm could cause significant erosion, and without proper authorization, leave the community vulnerable without the ability to conduct nourishment activities.

PROJECT PURPOSE: The purpose of the project is to periodically replace sand lost along the Middlesex shoreline to maintain the recreational beach and provide community storm surge protection.

PROJECT WORK: The applicant has applied for a Department of the Army 10-year maintenance permit to conduct periodic dredging for beach nourishment along approximately 1,950 linear feet of shoreline in the Middlesex Beach Community between Bethany Beach and South Bethany Beach in Sussex County, Delaware. In order to minimize costs and impacts, it is the intent of the applicant to conduct the

nourishment activity in coordination with the surrounding Federal Project nourishments. As such, the method of sand placement will match that of the Federal Project by either cutter suction dredge with booster pumps or by a trailing suction hopper dredge equipped with a pumpout capability from the offshore Fenwick Borrow Area or Borrow Area E located in the Atlantic Ocean. The nourishment area will match that of the Federal Project design template, without the dune and is expected to require approximately 103,000 cubic yards of dredged material.

For additional project details, see the attached plans identified as: MIDDLESEX BEACH BEACH REPLENISHMENT PROJECT, prepared by Gahagan and Bryant, dated October 3, 2025, 12 sheets.

AVOIDANCE AND MINIMIZATION: The applicant has provided the following information in support of efforts to avoid and/or minimize impacts to the aquatic environment: The applicant has stated that the proposed project has been designed to avoid and minimize adverse effects on the aquatic environment to the maximum extent practicable.

COMPENSATORY MITIGATION: The applicant has provided the following explanation why compensatory mitigation should not be required: Information provided in the application and on the plans indicates that compensatory mitigation is neither practicable nor feasible for the amount of dredged or fill material to be discharged into waters of the United States.

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.

The District Engineer's final eligibility and effect determination will be based upon coordination with the SHPO and/or THPO, as appropriate and required, and with full consideration given to the proposed undertaking's potential direct and indirect effects on historic properties within the Corps-identified permit area.

ENDANGERED SPECIES: The Corps has performed an initial review of the application, the U.S. Fish and Wildlife Service (USFWS) Information for Planning and Consultation (IPaC), National Marine Fisheries Service (NMFS) GARFO Section 7 Mapper, and the NMFS Critical Habitat Mapper to determine if any threatened, endangered, proposed, or candidate species, as well as the proposed and final designated critical habitat may occur within the boundary of the proposed project. Based on this initial review, the Corps has made a preliminary determination that the proposed project may affect species and critical habitat listed in Table 1. No other ESA-listed species or critical habitat will be affected by the proposed action.

Table 1: ESA-listed species and/or critical habitat potentially present in the action area.

Species Common Name and/or Critical Habitat Name	Scientific Name	Federal Status
Atlantic sturgeon	<i>Acipenser oxyrinchus oxyrinchus</i>	Endangered
Loggerhead turtle	<i>Caretta caretta</i>	Threatened
Leatherback turtle	<i>Dermochelys coriacea</i>	Endangered
Green sea turtle	<i>Chelonia mydas</i>	Threatened
Kemp's ridley turtle	<i>Lepidochelys kempii</i>	Endangered
North Atlantic right whale	<i>Eubalaena glacialis</i>	Endangered
Fin Whale	<i>Balaenoptera physalus</i>	Endangered
Roseate tern	<i>Sterna dougallii dougallii</i>	Endangered
Seabeach amaranth	<i>Amaranthus pumilus</i>	Threatened

Pursuant to Section 7 ESA, any required consultation with the Service(s) will be conducted in accordance with 50 CFR part 402. The Corps is the lead Federal agency for ESA consultation for the proposed action. Any required consultation will be completed by the Corps.

This notice serves as request to the U.S. Fish and Wildlife Service and National Marine Fisheries 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: Pursuant to the Magnuson-Stevens Fishery Conservation and Management Act 1996, the Corps reviewed the project area, examined information provided by the applicant, and consulted available species information.

The Corps intends to initiate Essential Fish Habitat (EFH) consultation separately from this public notice. A separate EFH consultation package will be sent to the National Marine Fisheries Service (NMFS). The Corps will not make a permit decision until the consultation process is complete.

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.

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

SECTION 408: The applicant will require permission under Section 14 of the Rivers and Harbors Act (33 USC 408) because the activity, in whole or in part, would alter, occupy, or use a Corps Civil Works project.

WATER QUALITY CERTIFICATION: In accordance with Section 401 of the Clean Water Act, a Water Quality Certificate (WQC) is required from the State government in which the work is located. Any comments concerning the work described above which relate to Water Quality considerations should be sent to this office with a copy to the State.

COASTAL ZONE MANAGEMENT ACT: In accordance with Section 307(c) of the Coastal Zone Management Act of 1972, applicants for Federal Licenses or Permits to conduct an activity affecting land or water uses in a State's coastal zone must provide certification that the activity complies with the State's Coastal Zone Management (CZM) Program. The applicant has stated that the proposed activity complies with and will be conducted in a manner that is consistent with the approved State CZM Program. No permit will be issued until the State has concurred with the applicant's certification or has waived its right to do so. Comments concerning the impact on the State's coastal zone should be sent to this office with a copy to the State's CZM office.

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 not 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.

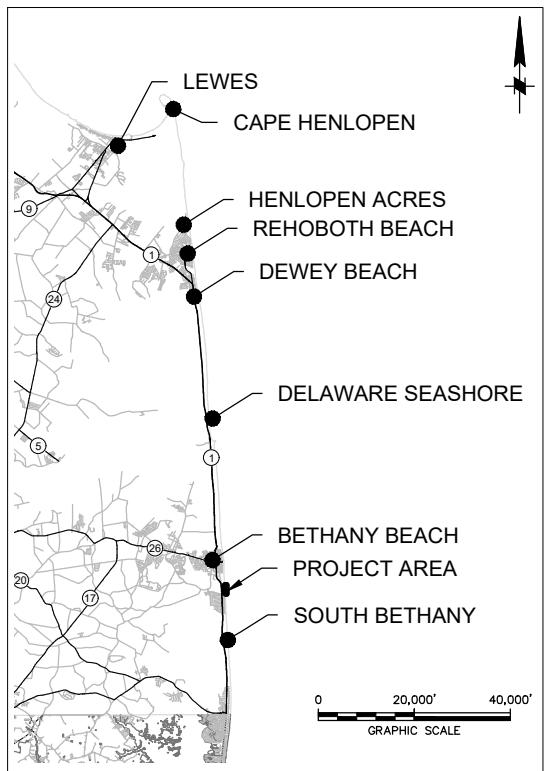
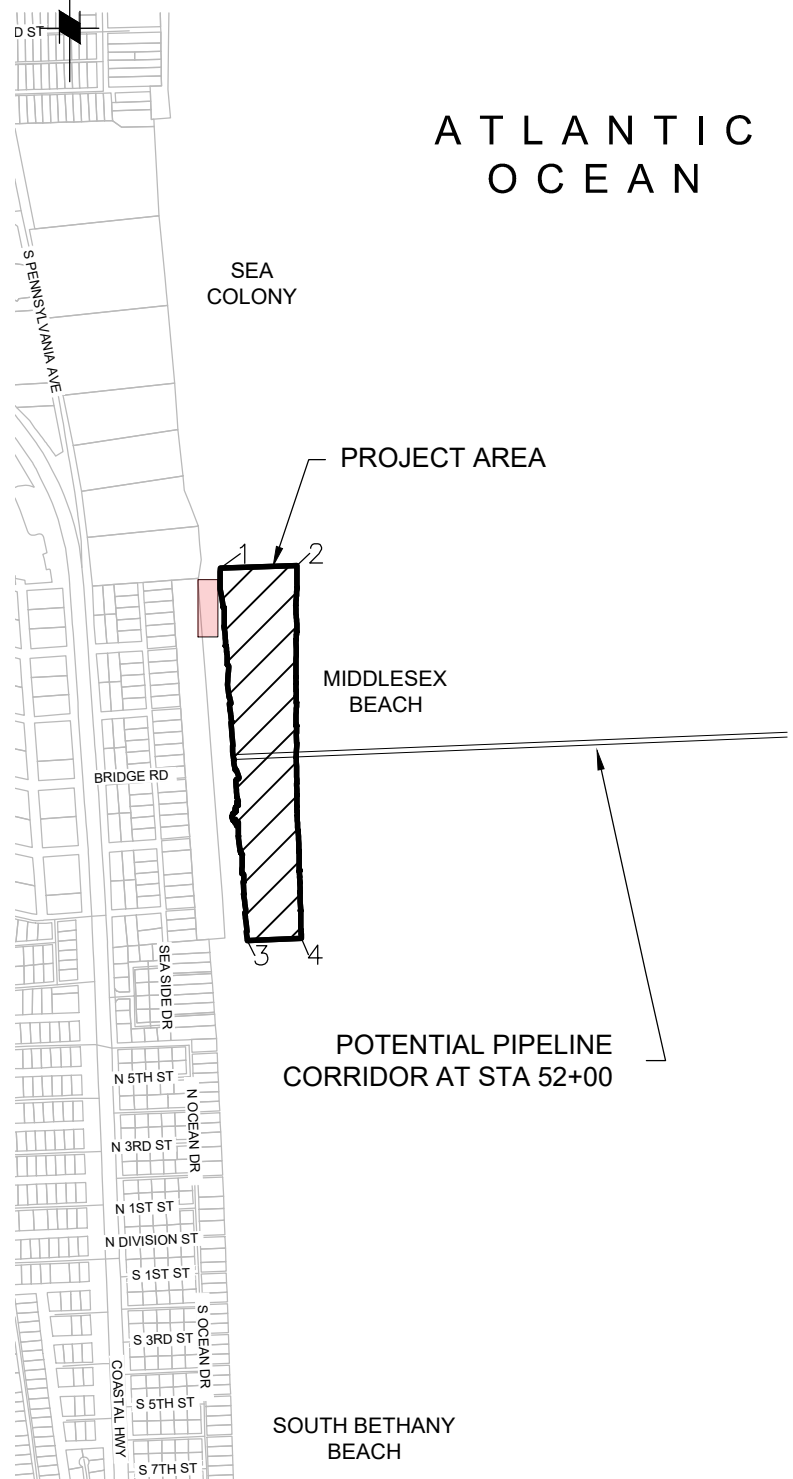
The Philadelphia District will receive written comments on the proposed work, as outlined above, until December 9, 2025. Comments should be submitted electronically via the Regulatory Request System (RRS) at <https://rrs.usace.army.mil/rrs> or to Michael D. Yost at michael.d.yost@usace.army.mil. Alternatively, you may submit comments in writing to the Commander, U.S. Army Corps of Engineers, Philadelphia District, Attention: Regulatory Division Michael D. Yost, 1650 Arch Street, Philadelphia, PA 19103-2004. Please refer to the file 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.

FOR: Todd A. Schaible
Chief, Regulatory Division

MIDDLESEX BEACH BEACH REPLENISHMENT PROJECT


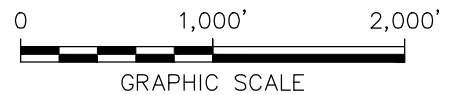
ATLANTIC OCEAN



PURPOSE:
RESTORE RECREATIONAL BEACH
AREA AND PROVIDE EROSION AND
STORM PROTECTION

- NOTE:**
1. PROJECT AREA LENGTH = ±1950 LF
 2. PROJECT AREA SIZE = 15 ACRES
 3. SEE NOTES SHEET 7.

LEGEND:
STAGING AREA

DELAWARE STATE PLANE COORDINATE SYSTEM, ZONE 0700 (NAD83, US SURVEY FT)		
	EASTING	NORTHING
1	760238.194	191540.251
2	760635.253	191553.533
3	760377.659	189600.405
4	760659.652	189612.210

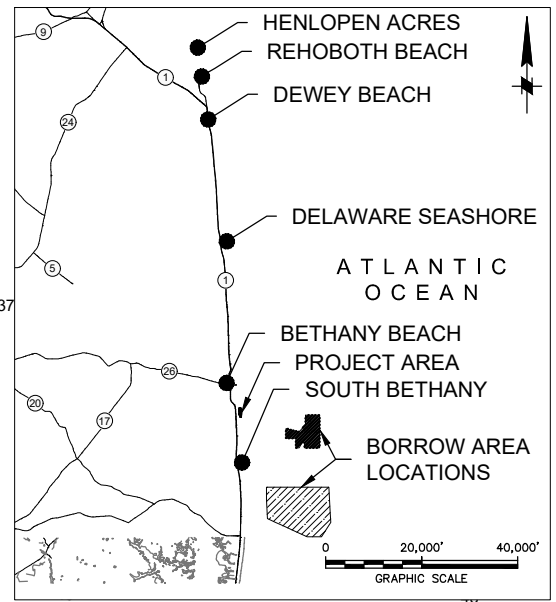
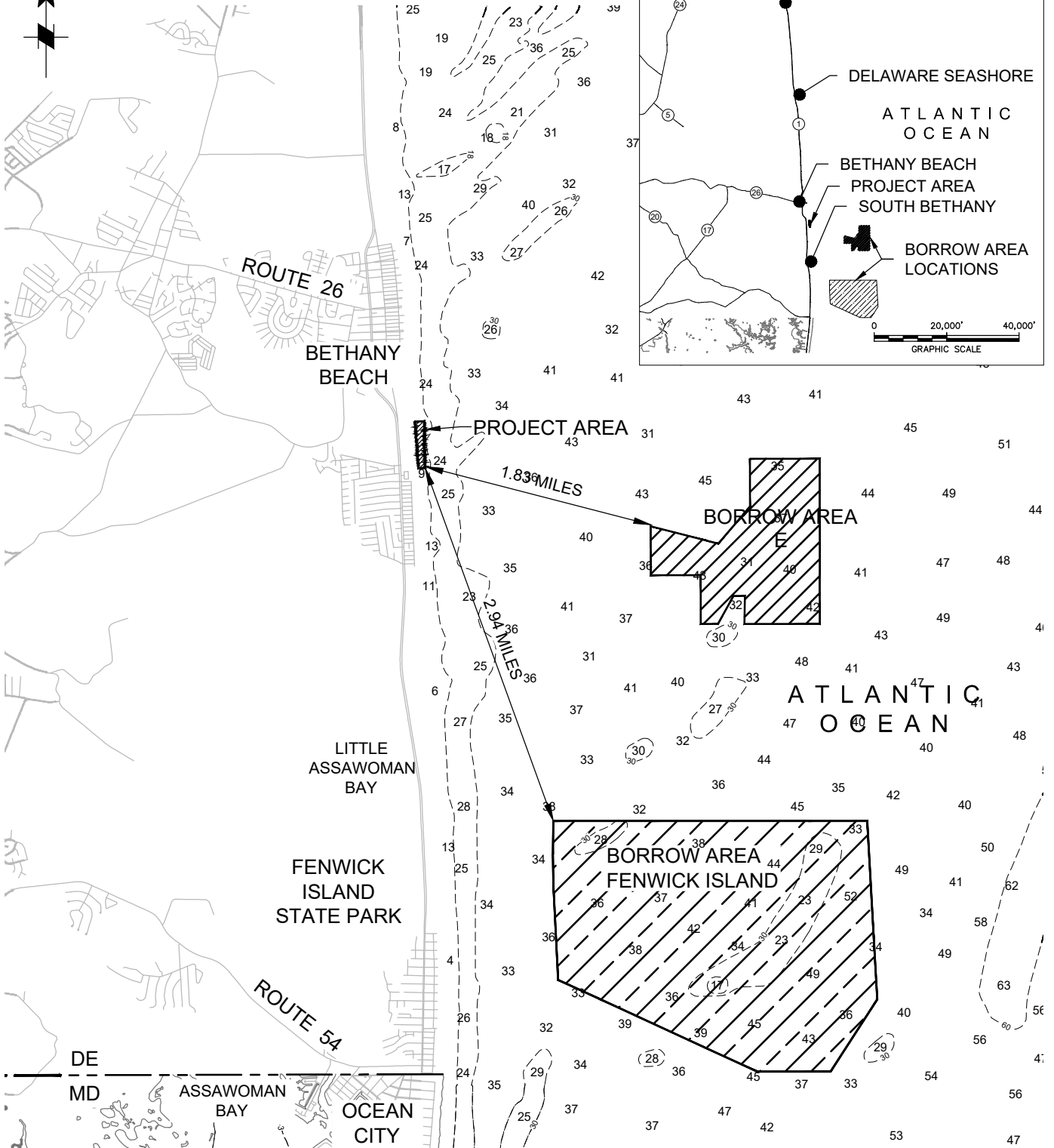
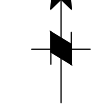
FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

BEACH REPLENISHMENT PROJECT
 AT: MIDDLESEX BEACH
 COUNTY OF SUSSEX, STATE OF DELAWARE
 APPLICATION BY:
 MIDDLESEX BEACH ASSOCIATION, INC.
 P.O BOX 584
 BETHANY BEACH, DELAWARE 19930

GBA
 ENGINEERS ★ SURVEYORS
 295-A N. Green Meadows Dr.
 Wilmington, NC 28405
 Phone (910) 313-3338

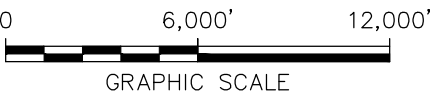
DATE: 10/03/25 SHEET 1 OF 12

PROPOSED FENWICK ISLAND & AREA E BORROW AREA LOCATIONS



NOTES:

1. REFERENCE: NOAA CHART 12214 (51ST EDITION, MAR. 2019 LAST CORRECTION: 2/5/2020) & NOAA CHART 12211 (48TH EDITION, DEC. 2018 LAST CORRECTION: 4/22/2020)
2. DEPTH SHOWN IN FEET BELOW M.L.W



FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

BEACH REPLENISHMENT PROJECT IN ATLANTIC OCEAN

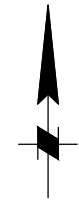
AT: MIDDLESEX BEACH
COUNTY OF SUSSEX, STATE OF DELAWARE

APPLICATION BY:
MIDDLESEX BEACH ASSOCIATION, INC.
P.O. BOX 584
BETHANY BEACH, DELAWARE 19930



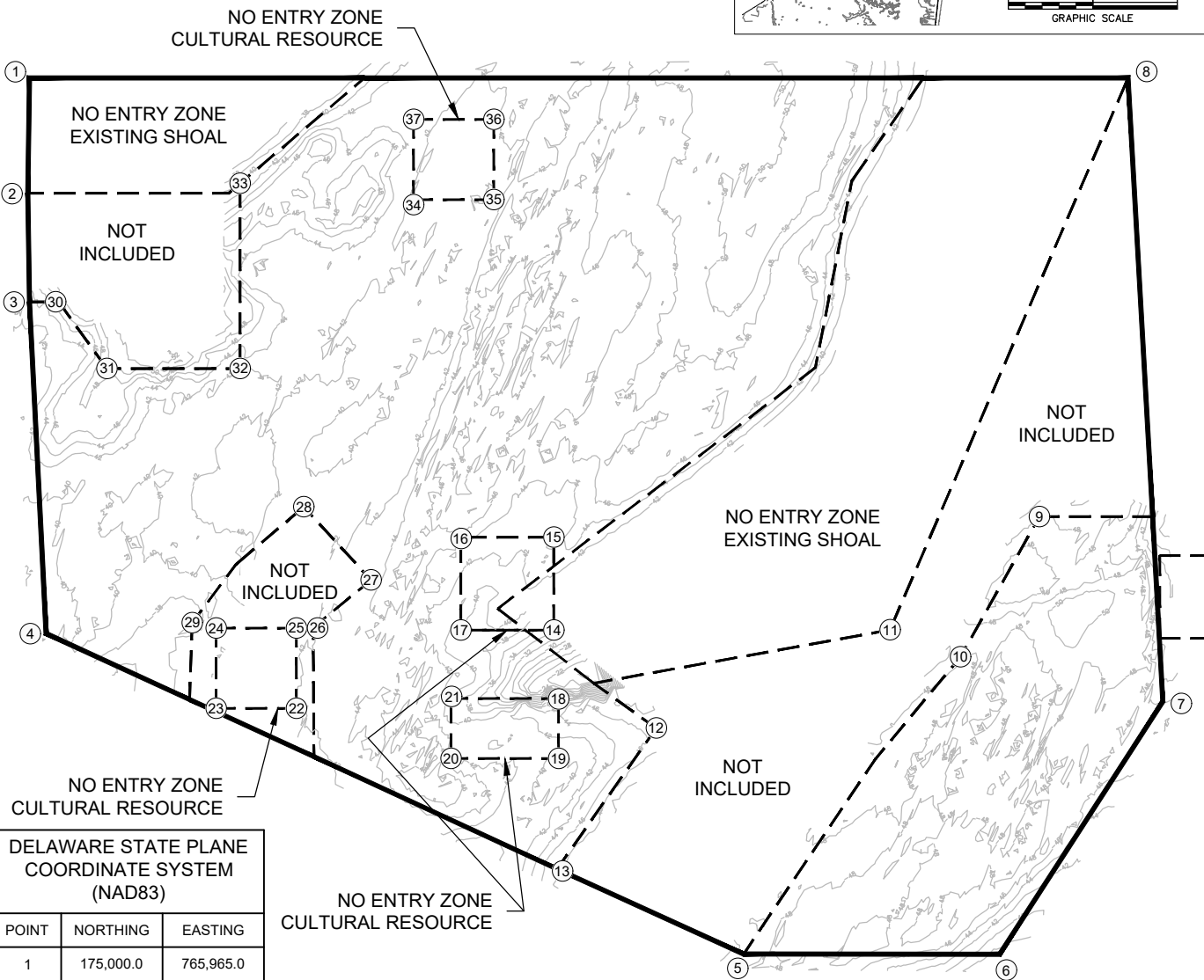
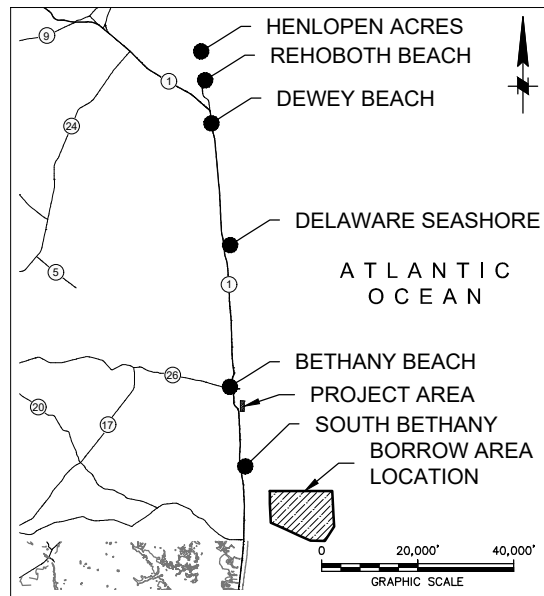
DATE: 10/03/25

LIMITS OF BORROW AREA FENWICK ISLAND

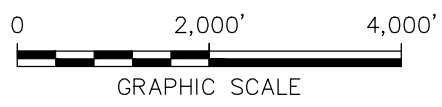


NOTES:

1. BORROW AREA SIZE = 2,708 ACRES
2. CONTOURS SHOWN REPRESENT EXISTING CONDITIONS AT THE TIME OF SURVEY
3. SURVEY PERFORMED BY TRIANGLE SURVEYS ON SEPTEMBER 27, 2018
4. BORROW AREA DIMENSIONS AND SURVEY DATA FROM "FENWICK AFTER DREDGING BORROW AREA SURVEY" PERFORMED BY TRIANGLE SURVEYS, INC. SURVEY DATES: 08/10-08/11/2018



DELAWARE STATE PLANE COORDINATE SYSTEM (NAD83)		
POINT	NORTHING	EASTING
1	175,000.0	765,965.0
2	173,634.1	765,945.6
3	172,349.0	765,967.0
4	168,421.8	766,161.8
5	164,626.9	774,416.1
6	164,625.9	777,446.4
7	167,616.0	779,377.4
8	175,000.0	778,964.6



FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

**BEACH REPLENISHMENT PROJECT
IN ATLANTIC OCEAN**

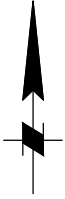
AT: MIDDLESEX BEACH
COUNTY OF SUSSEX, STATE OF DELAWARE

APPLICATION BY:
MIDDLESEX BEACH ASSOCIATION, INC.
P.O. BOX 584
BETHANY BEACH, DELAWARE 19930

GBA
ENGINEERS & SURVEYORS
295-A N. Green Meadows Dr.
Wilmington, NC 28405
Phone (910) 313-3338

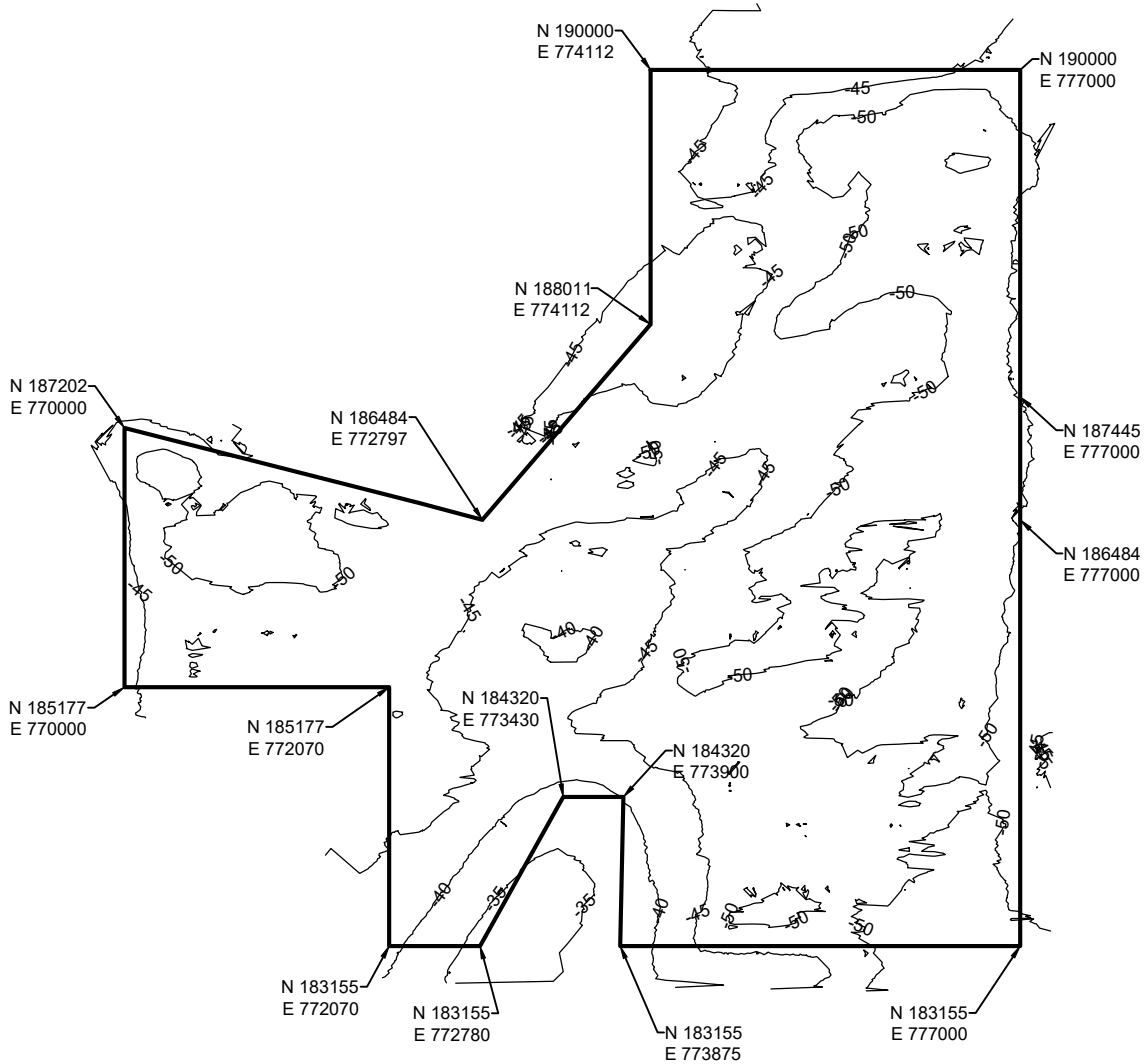
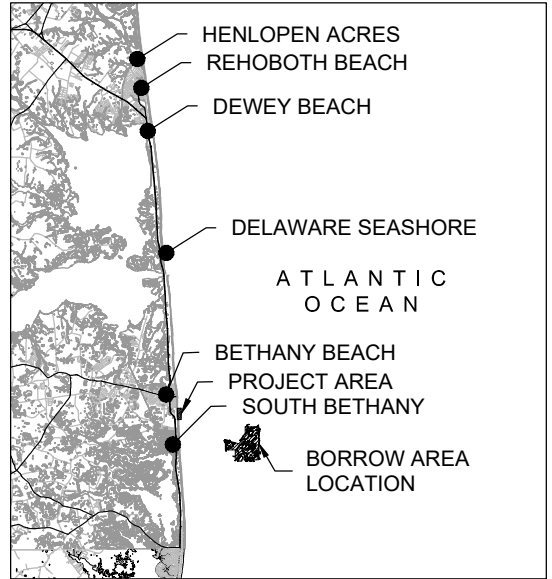
DATE: 10/03/25 SHEET 3 OF 12

LIMITS OF BORROW AREA AREA E

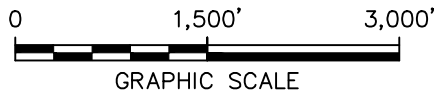


NOTES:

1. HORIZONTAL COORDINATES REFERENCED TO NAD83 DELAWARE STATE PLANE, ZONE 0700, US SURVEY FOOT.
2. VERTICAL DATUM REFERENCED TO NAVD88.
3. BORROW AREA SIZE = 697 ACRES
4. CONTOURS SHOWN ARE FROM A SURVEY CONDUCTED BY GAHAGAN & BRYANT ASSOCIATES IN FEBRUARY 2021 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.



ATLANTIC OCEAN



FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

BEACH REPLENISHMENT PROJECT IN ATLANTIC OCEAN

AT: MIDDLESEX BEACH
COUNTY OF SUSSEX, STATE OF DELAWARE

APPLICATION BY:
MIDDLESEX BEACH ASSOCIATION, INC.
P.O. BOX 584
BETHANY BEACH, DELAWARE 19930

GBA
ENGINEERS & SURVEYORS
295-A N. Green Meadows Dr.
Wilmington, NC 28405
Phone (910) 313-3338

DATE: 10/03/25

SHEET 4 OF 12

MIDDLESEX BEACH BEACH REPLENISHMENT PROJECT



LEGEND:

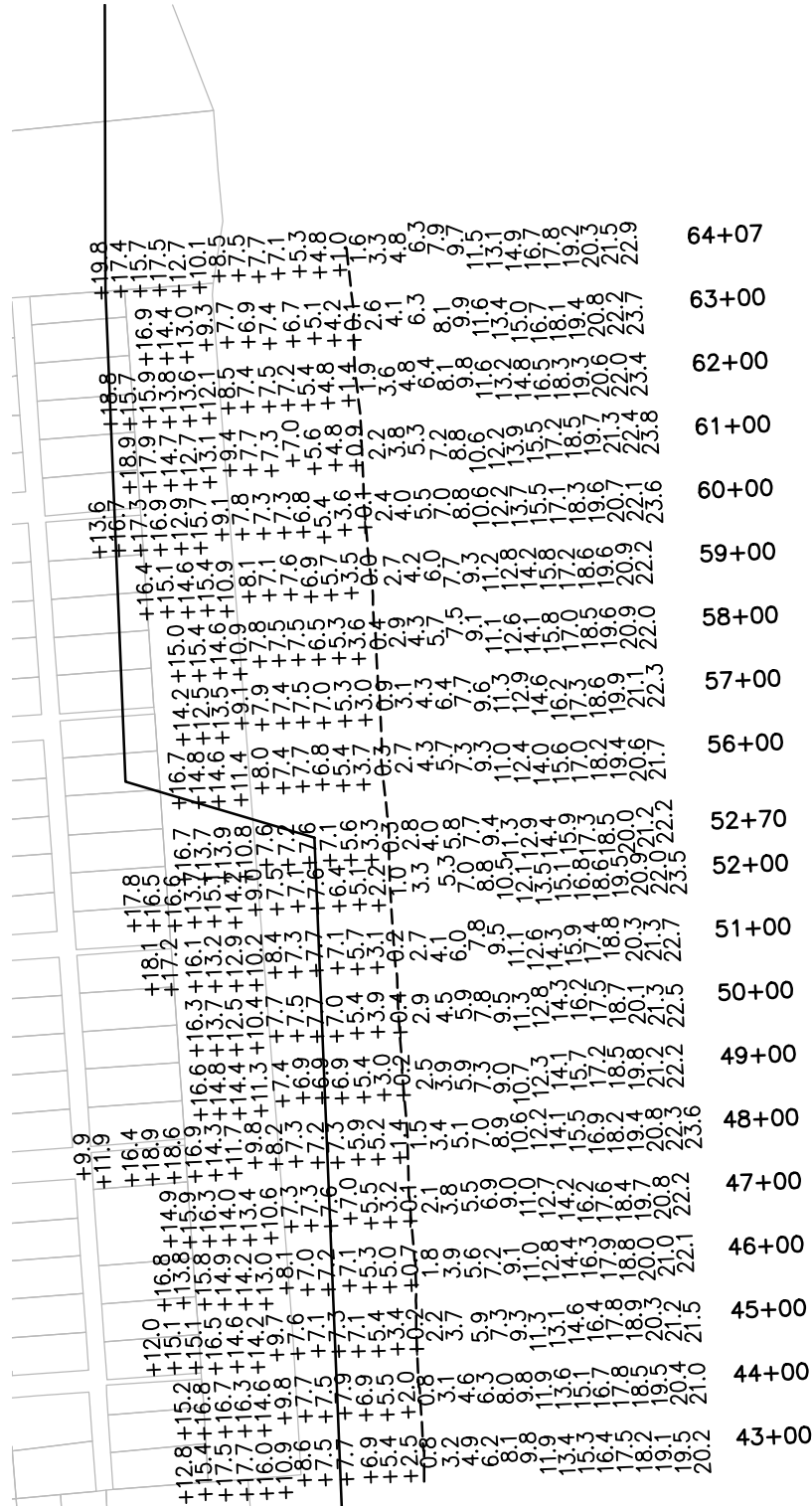
MEAN HIGH WATER

BASELINE

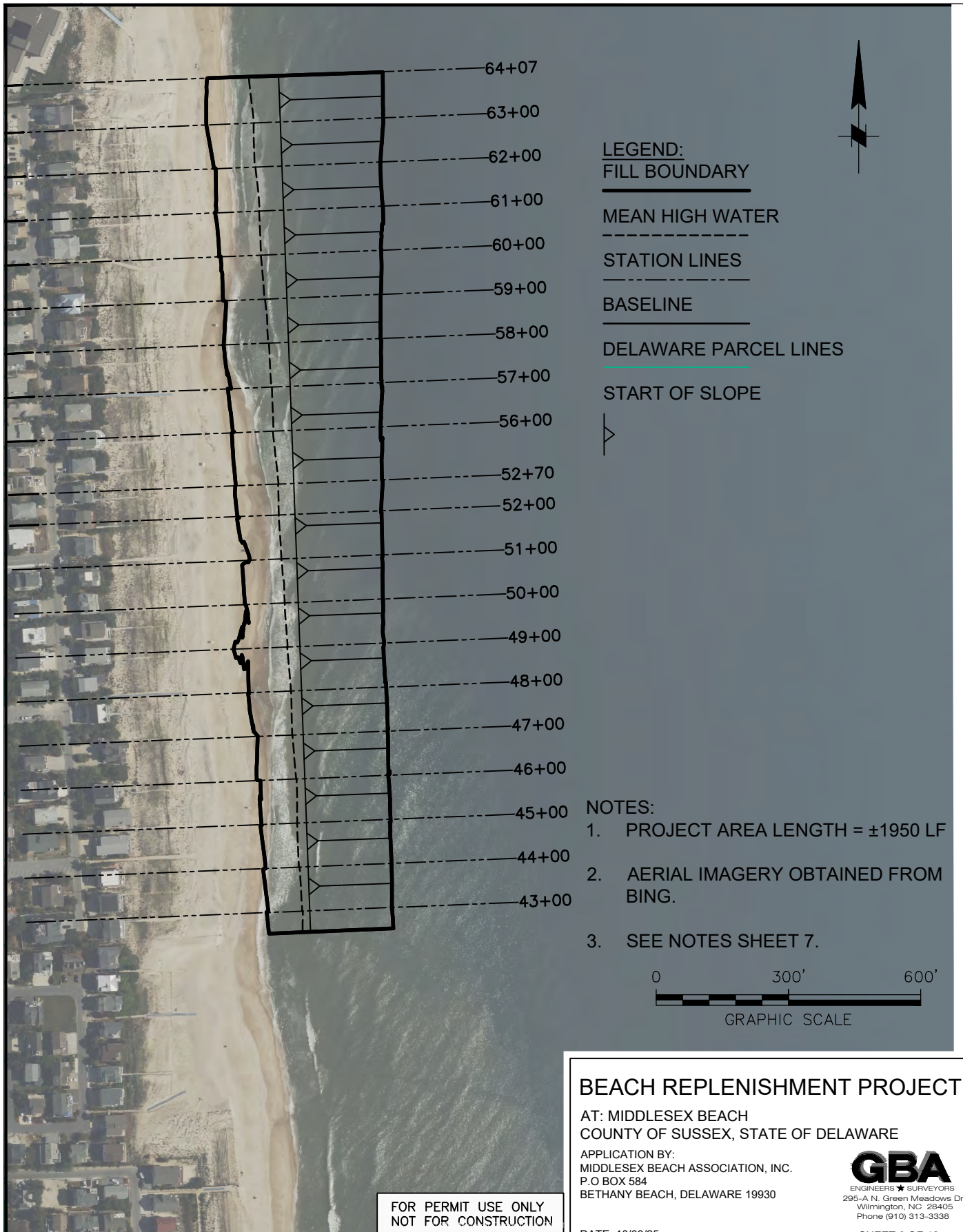
DELAWARE PARCEL LINES

NOTES:

1. PROJECT AREA LENGTH = ±1950 LF
2. SURVEY DATA SHOWN WAS COLLECTED ON AUGUST 13, 2025 BY GAHAGAN & BRYANT ASSOCIATES(GBA) AND IS REFERENCED TO NAVD88. SOUNDINGS PRECEDED BY A "+" ARE ABOVE THE REFERENCE PLANE.
3. SEE NOTES SHEET 7.



MIDDLESEX BEACH BEACH REPLENISHMENT PROJECT



FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

BEACH REPLENISHMENT PROJECT

AT: MIDDLESEX BEACH
COUNTY OF SUSSEX, STATE OF DELAWARE

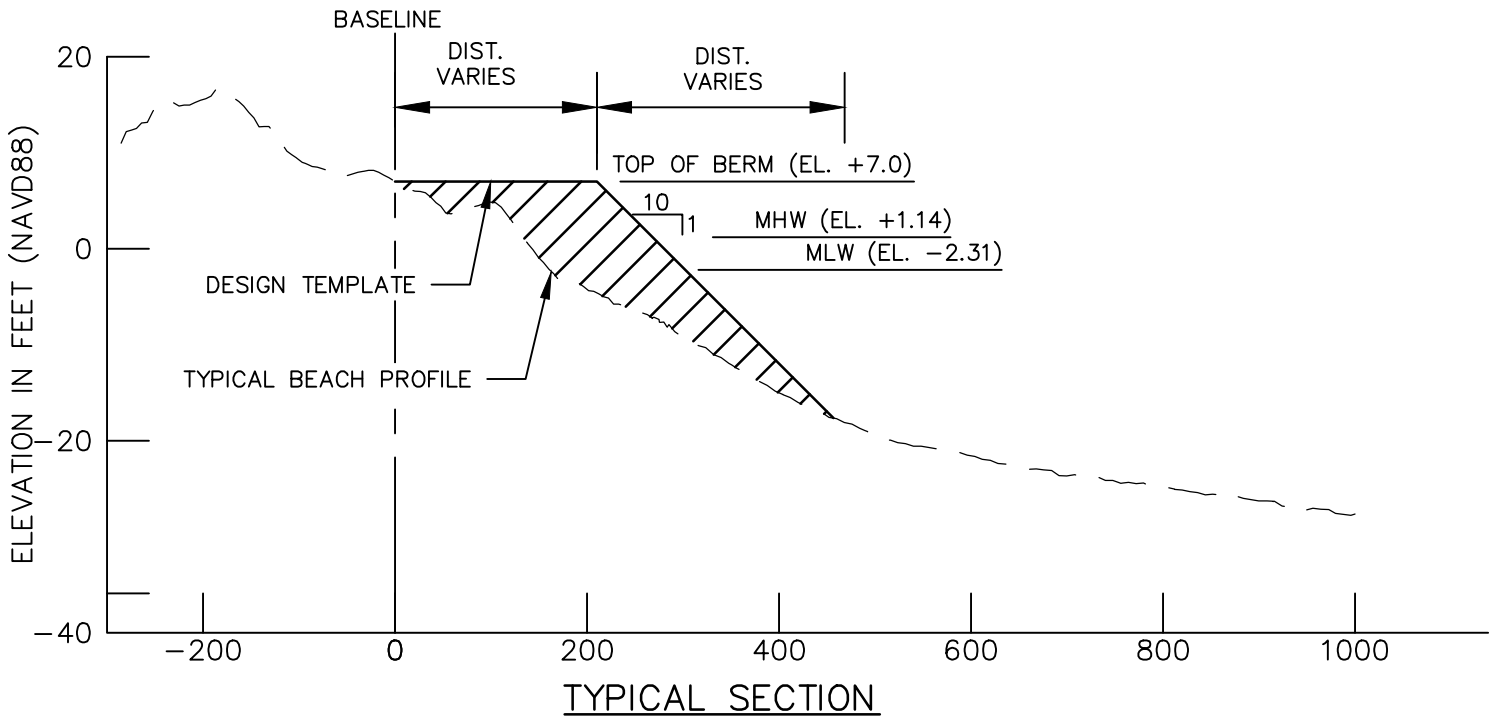
APPLICATION BY:
MIDDLESEX BEACH ASSOCIATION, INC.
P.O BOX 584
BETHANY BEACH, DELAWARE 19930

GBA
ENGINEERS ★ SURVEYORS
295-A N. Green Meadows Dr.
Wilmington, NC 28405
Phone (910) 313-3338

DATE: 10/03/25

SHEET 6 OF 12

MIDDLESEX BEACH DESIGN FILL SECTION



NOTES^a

- RANGE OF TIDE INFORMATION OBTAINED FROM NATIONAL OCEANIC & ATMOSPHERIC ADMINISTRATION NOAA) VDATUM TRANSFORMATION PROGRAM, VERSION 4.6.1 AT THE PROJECT MIDPOINT.
- SOUNDING DATA DEPICTED IN THESE PLANS IS REPRESENTATIVE OF A LARGER DATA SET WHICH WAS COLLECTED USING AN ECHOSOUNDER (ODOM CV200) AT A FREQUENCY OF 200 HERTZ. THE DATA SET WAS REDUCED FOR CLARITY AND CORRECTED IN REAL TIME VIA REAL TIME KINEMATIC (RTK) CORRECTIONS.
- THE INFORMATION DEPICTED IN THESE PLANS REPRESENT THE RESULTS OF SURVEYS CONDUCTED ON AUGUST 13, 2025 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- BEACH FILL TEMPLATE AND FILL EXTENTS SHOWN IN THESE PLANS IS FOR PERMITTING PURPOSES ONLY AND THE TEMPLATE WAS OBTAINED FROM 2022 USACE BEACH NOURISHMENT PROJECT INCLUDING SOUTH BETHANY BEACH (SOLICITATION NO:W912BU22B0017). MIDDLESEX INTENDS TO MAINTAIN THE SAME TEMPLATE AS THE USACE PROJECT. CONSTRUCTION BEACH FILL TEMPLATE WILL BE DETERMINED BY USACE DURING THE NEXT NOURISHMENT CYCLE AND BY EXISTING BEACH CONDITIONS AT THE TIME OF THE EVENT.
- ONCE A FEDERAL NOURISHMENT PROJECT IS ANNOUNCED, MIDDLESEX WILL CONDUCT A SURVEY OF THE BEACH AND PROVIDE COMPLETE CONSTRUCTION PLANS WITH REVISED TEMPLATES TO DNREC FOR APPROVAL.

+1.14 MHW

0.0 NAVD88

-2.31 MLW

DATUM ELEVATION (FT)
NOT TO SCALE

FOR PERMIT USE ONLY
NOT FOR CONSTRUCTION

BEACH REPLENISHMENT PROJECT

AT: MIDDLESEX BEACH
COUNTY OF SUSSEX, STATE OF DELAWARE

APPLICATION BY:
MIDDLESEX BEACH ASSOCIATION, INC.
P.O BOX 584
BETHANY BEACH, DELAWARE 19930

GBA
ENGINEERS ★ SURVEYORS
295-A N. Green Meadows Dr.
Wilmington, NC 28405
Phone (910) 313-3338

DATE: 10/03/25

SHEET 7 OF 12

BEACH CROSS SECTIONS IN ATLANTIC OCEAN

AT: MIDDLESEX BEACH
COUNTY OF SUSSEX,
STATE OF DELAWARE

APPLICATION BY:
MIDDLESEX BEACH ASSOC., INC.
P.O. BOX 584
BETHANY BEACH, DELAWARE
19930

DATE: 10/03/25



ENGINEERS & SURVEYORS
295-A N. Green Meadows Dr.
Wilmington, NC 28405
Phone (910) 313-3338

SHEET 8 OF 12

NOTES:

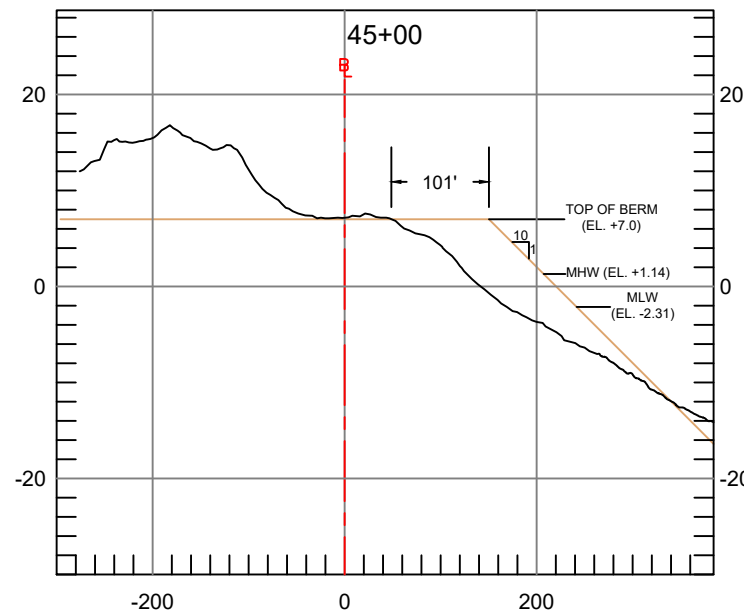
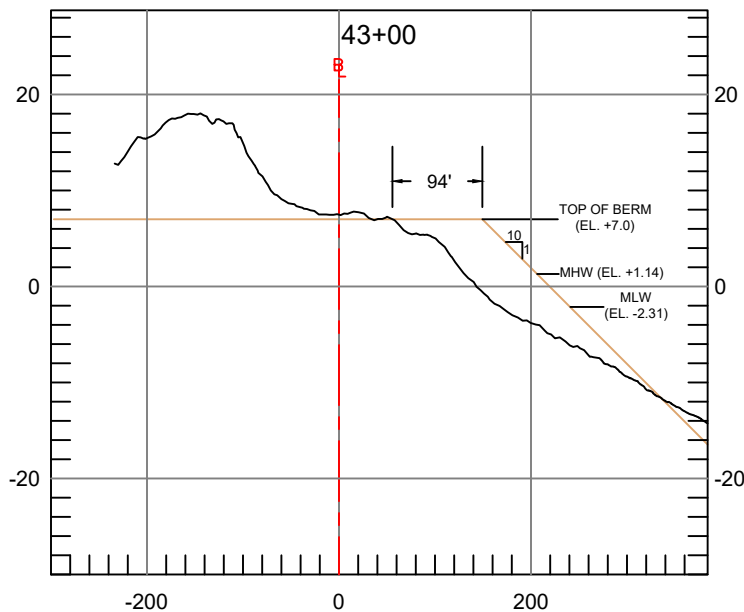
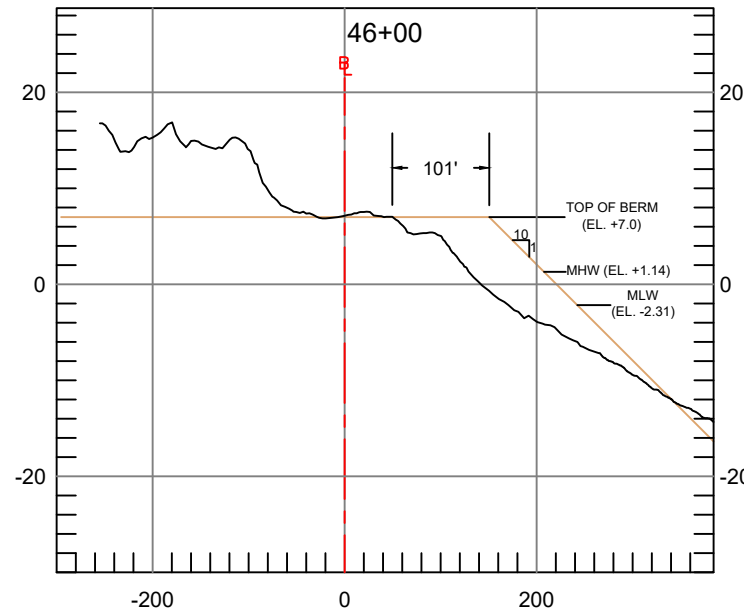
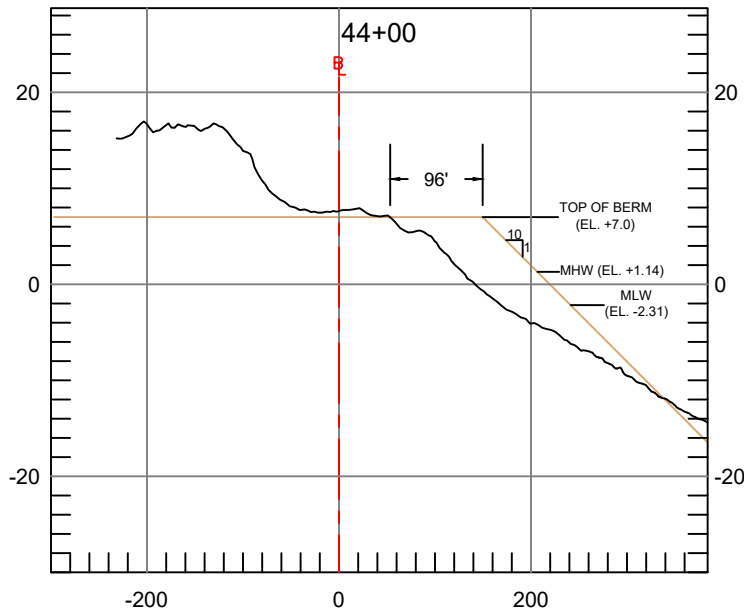
1. SURVEY DATA SHOWN WAS COLLECTED ON AUGUST 13, 2025 BY GAHAGAN & BRYANT ASSOCIATES (GBA).
2. VERTICAL DATUM IS REFERENCED TO NAVD88.
3. HORIZONTAL DATUM IS REFERENCED TO NAD83.
4. BASELINE IS ONLY SHOWN AT STATIONS 43+00 TO 52+70 DUE TO THE LANDWARD SHIFT OF ALIGNMENT AT 52+70.
5. SEE NOTES SHEET 7.

LEGEND:

SURVEY DATA

BEACH FILL TEMPLATE

BASELINE



H Scale : 1" = 200' V Scale : 1" = 20'

FOR PERMIT USE ONLY NOT
FOR CONSTRUCTION

BEACH CROSS SECTIONS IN ATLANTIC OCEAN

AT: MIDDLESEX BEACH
COUNTY OF SUSSEX,
STATE OF DELAWARE

APPLICATION BY:
MIDDLESEX BEACH ASSOC., INC.
P.O BOX 584
BETHANY BEACH, DELAWARE
19930

DATE: 10/03/25



SHEET 9 OF 12

NOTES:

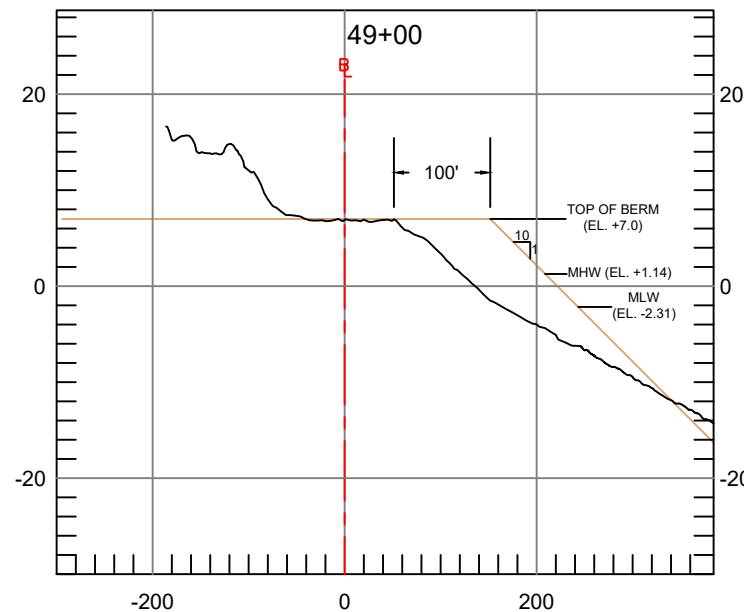
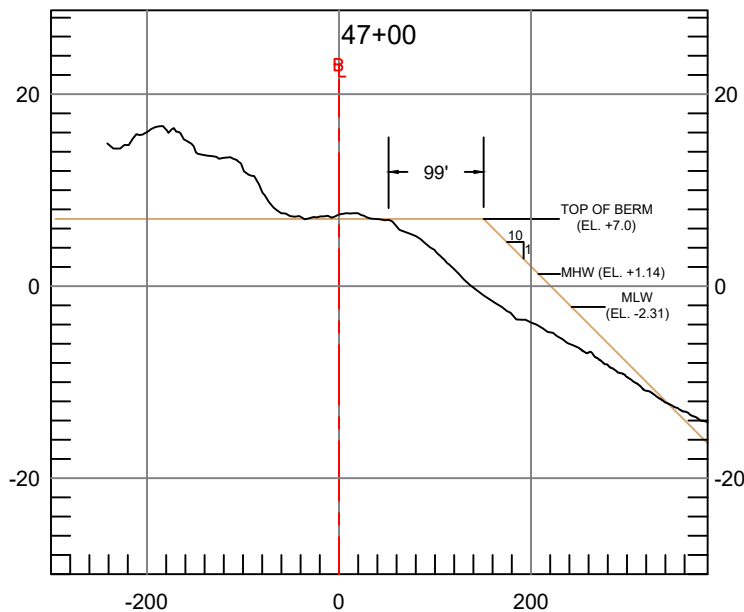
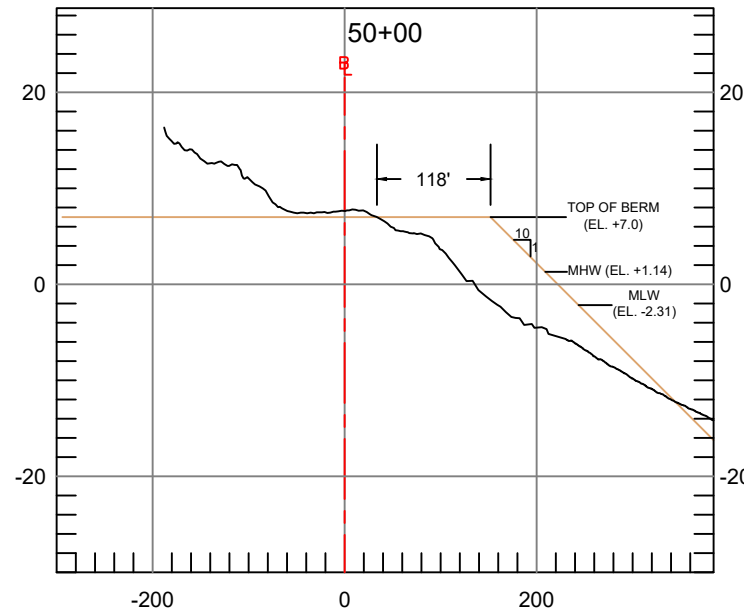
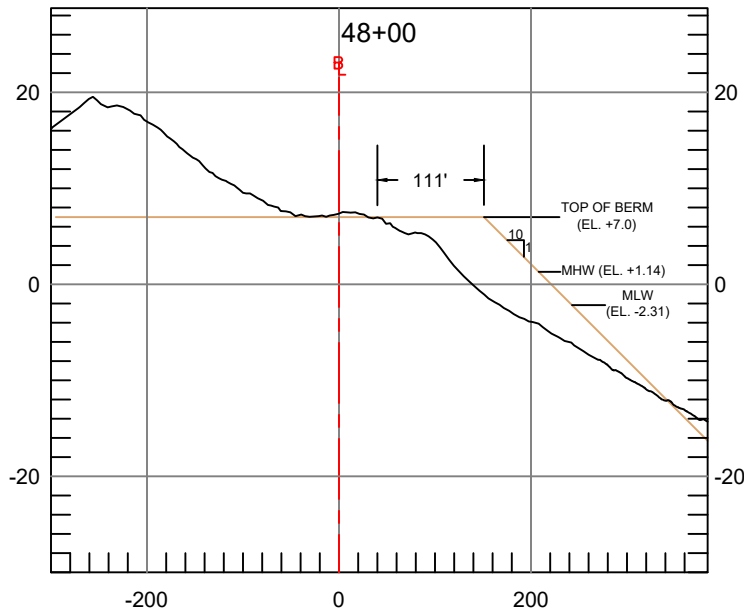
1. SURVEY DATA SHOWN WAS COLLECTED ON AUGUST 13, 2025 BY GAHAGAN & BRYANT ASSOCIATES (GBA).
2. VERTICAL DATUM IS REFERENCED TO NAVD88.
3. HORIZONTAL DATUM IS REFERENCED TO NAD83.
4. BASELINE IS ONLY SHOWN AT STATIONS 43+00 TO 52+70 DUE TO THE LANDWARD SHIFT OF ALIGNMENT AT 52+70.
5. SEE NOTES SHEET 7.

LEGEND:

SURVEY DATA

BEACH FILL TEMPLATE

BASELINE



H Scale : 1" = 200' V Scale : 1" = 20'

FOR PERMIT USE ONLY NOT
FOR CONSTRUCTION

BEACH CROSS SECTIONS IN ATLANTIC OCEAN

AT: MIDDLESEX BEACH
COUNTY OF SUSSEX,
STATE OF DELAWARE

APPLICATION BY:
MIDDLESEX BEACH ASSOC., INC.
P.O BOX 584
BETHANY BEACH, DELAWARE
19930

DATE: 10/03/25



SHEET 10 OF 12

NOTES:

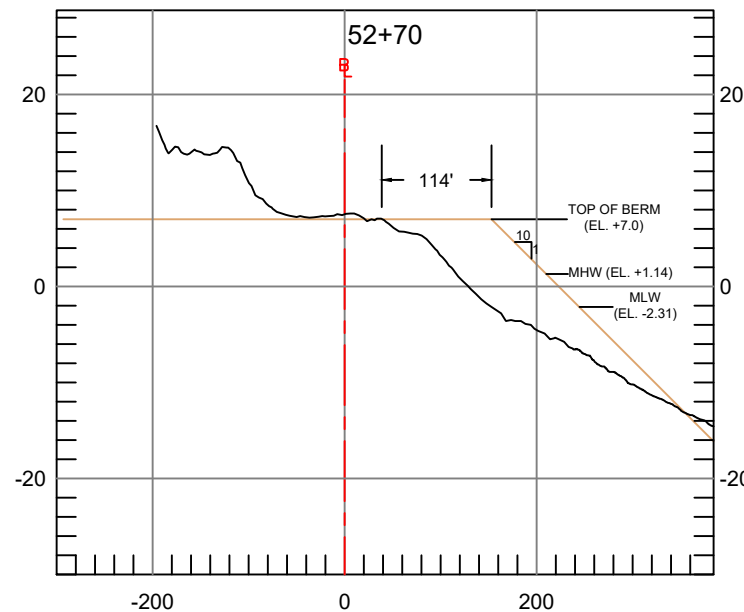
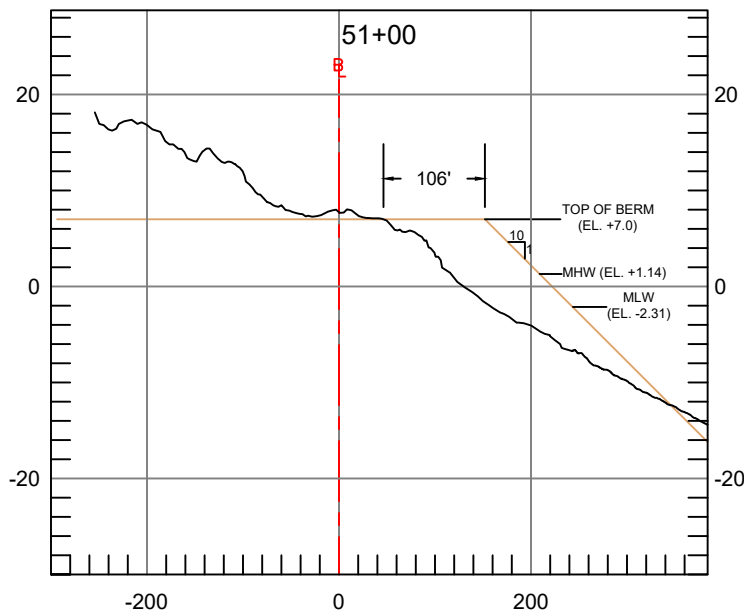
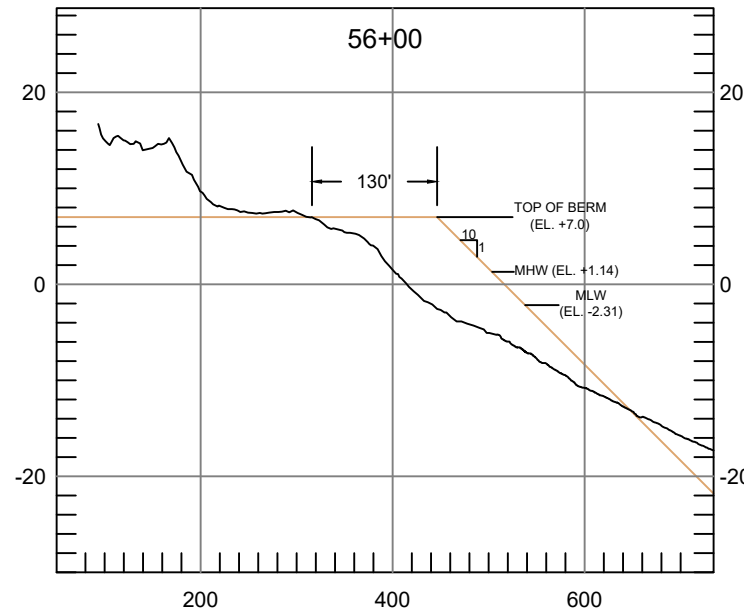
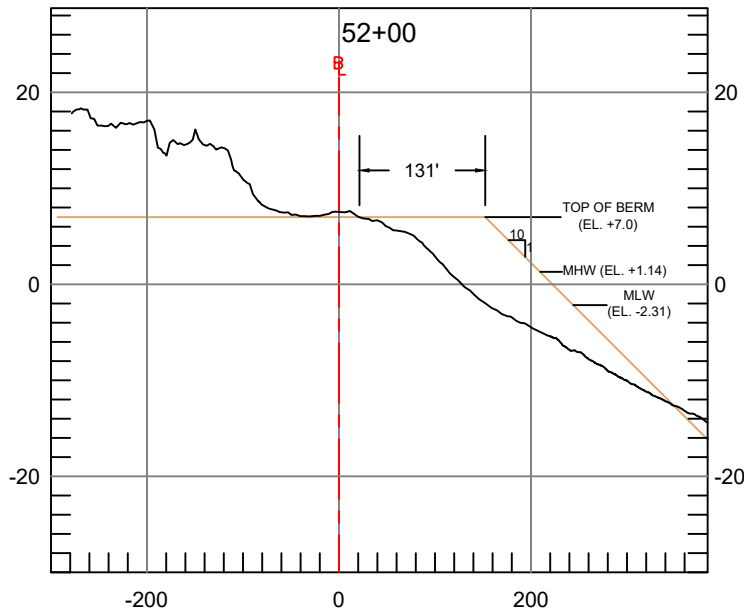
1. SURVEY DATA SHOWN WAS COLLECTED ON AUGUST 13, 2025 BY GAHAGAN & BRYANT ASSOCIATES (GBA).
2. VERTICAL DATUM IS REFERENCED TO NAVD88.
3. HORIZONTAL DATUM IS REFERENCED TO NAD83.
4. BASELINE IS ONLY SHOWN AT STATIONS 43+00 TO 52+70 DUE TO THE LANDWARD SHIFT OF ALIGNMENT AT 52+70.
5. SEE NOTES SHEET 7.

LEGEND:

SURVEY DATA

BEACH FILL TEMPLATE

BASELINE



H Scale : 1" = 200' V Scale : 1" = 20'

FOR PERMIT USE ONLY NOT
FOR CONSTRUCTION

BEACH CROSS SECTIONS IN ATLANTIC OCEAN

AT: MIDDLESEX BEACH
COUNTY OF SUSSEX,
STATE OF DELAWARE

APPLICATION BY:
MIDDLESEX BEACH ASSOC., INC.
P.O. BOX 584
BETHANY BEACH, DELAWARE
19930

DATE: 10/03/25

GBA
ENGINEERS & SURVEYORS
295-A N. Green Meadows Dr.
Wilmington, NC 28405
Phone (910) 313-3338

SHEET 11 OF 12

NOTES:

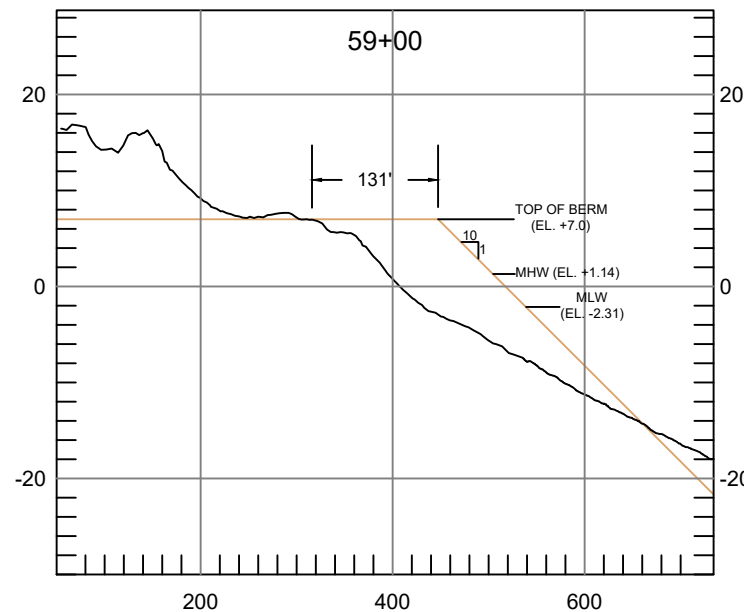
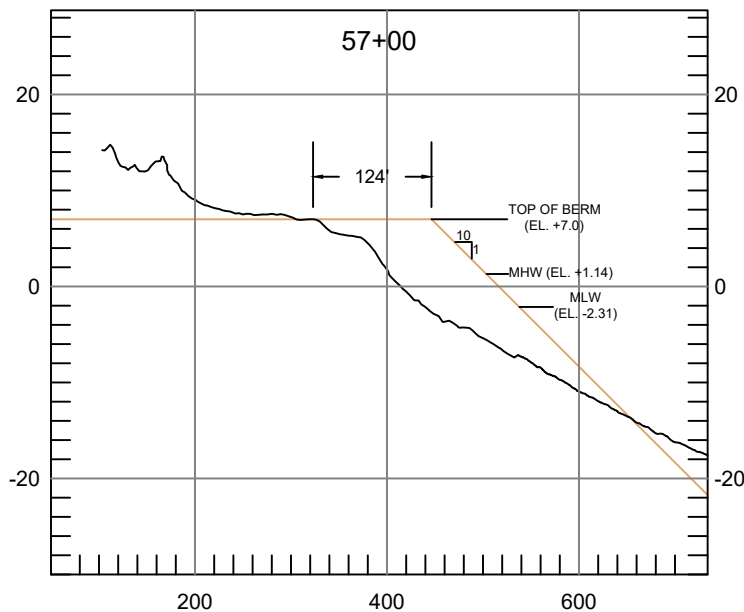
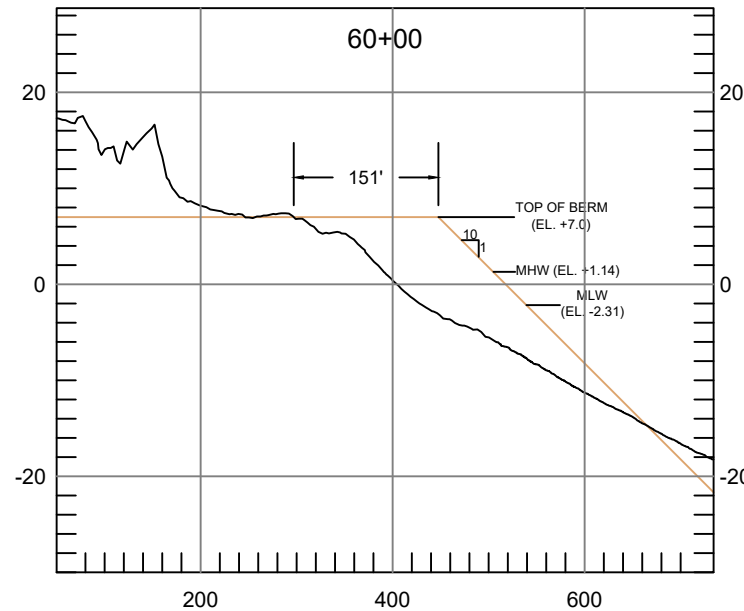
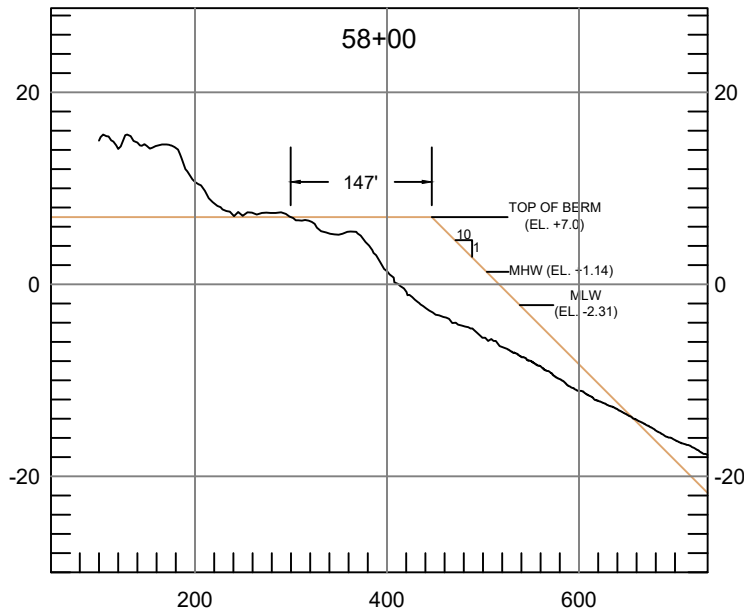
1. SURVEY DATA SHOWN WAS COLLECTED ON AUGUST 13, 2025 BY GAHAGAN & BRYANT ASSOCIATES (GBA).
2. VERTICAL DATUM IS REFERENCED TO NAVD88.
3. HORIZONTAL DATUM IS REFERENCED TO NAD83.
4. BASELINE IS ONLY SHOWN AT STATIONS 43+00 TO 52+70 DUE TO THE LANDWARD SHIFT OF ALIGNMENT AT 52+70.
5. SEE NOTES SHEET 7.

LEGEND:

SURVEY DATA

BEACH FILL TEMPLATE

BASELINE



H Scale : 1" = 200' V Scale : 1" = 20'

FOR PERMIT USE ONLY NOT
FOR CONSTRUCTION

BEACH CROSS SECTIONS IN ATLANTIC OCEAN

AT: MIDDLESEX BEACH
COUNTY OF SUSSEX,
STATE OF DELAWARE

APPLICATION BY:
MIDDLESEX BEACH ASSOC., INC.
P.O BOX 584
BETHANY BEACH, DELAWARE
19930

DATE: 10/03/25

GBA
ENGINEERS & SURVEYORS
295-A N. Green Meadows Dr.
Wilmington, NC 28405
Phone (910) 313-3338

SHEET 12 OF 12

NOTES:

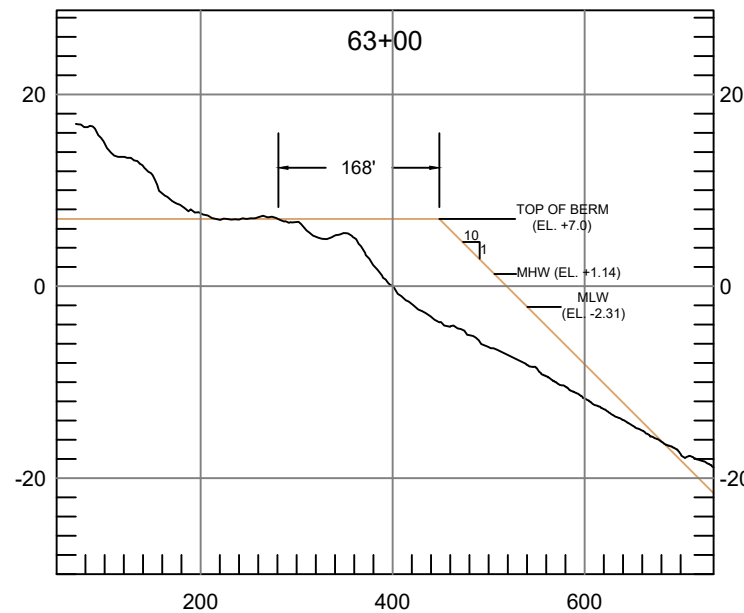
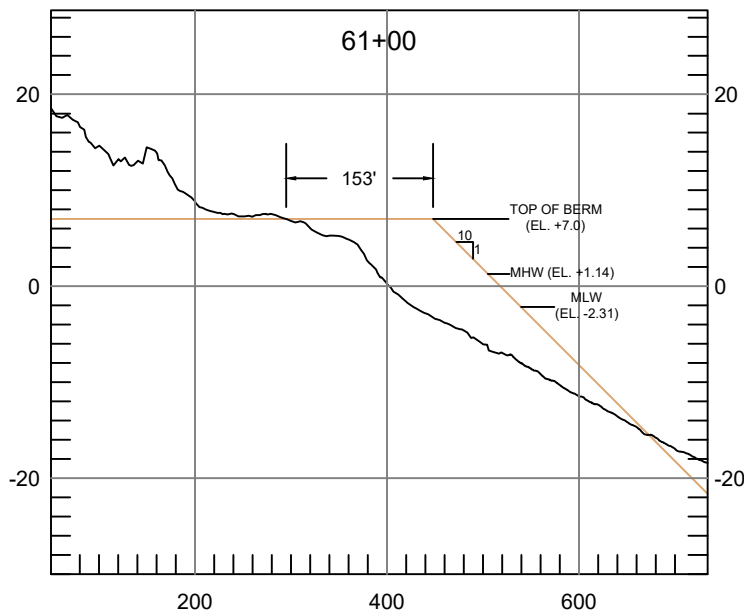
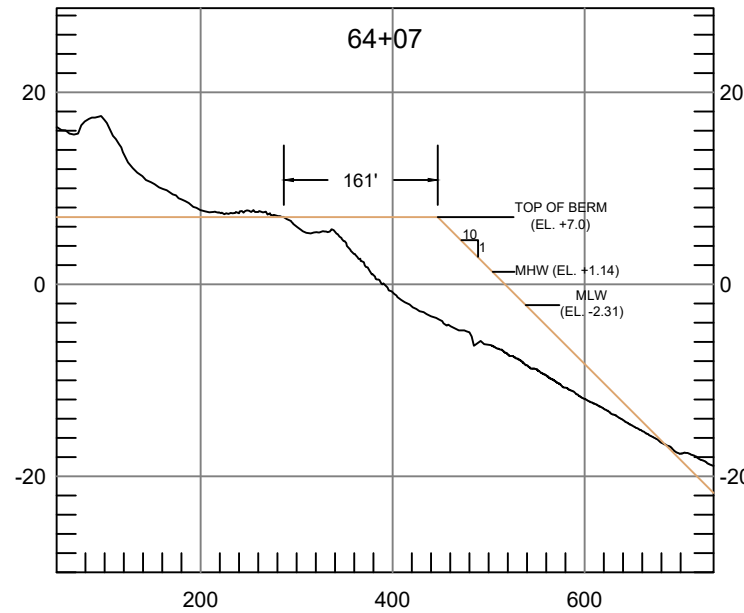
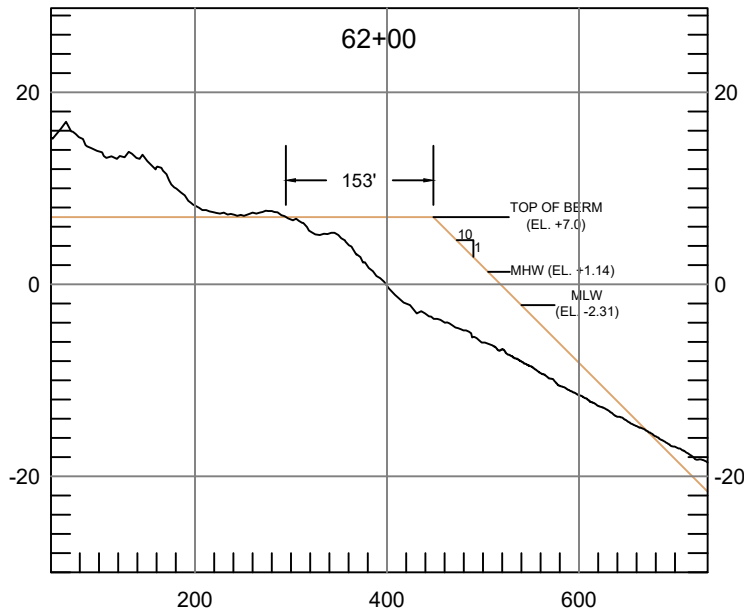
1. SURVEY DATA SHOWN WAS COLLECTED ON AUGUST 13, 2025 BY GAHAGAN & BRYANT ASSOCIATES (GBA).
2. VERTICAL DATUM IS REFERENCED TO NAVD88.
3. HORIZONTAL DATUM IS REFERENCED TO NAD83.
4. BASELINE IS ONLY SHOWN AT STATIONS 43+00 TO 52+70 DUE TO THE LANDWARD SHIFT OF ALIGNMENT AT 52+70.
5. SEE NOTES SHEET 7.

LEGEND:

SURVEY DATA

BEACH FILL TEMPLATE

BASELINE



H Scale : 1" = 200' V Scale : 1" = 20'

FOR PERMIT USE ONLY NOT
FOR CONSTRUCTION