



**US Army Corps  
of Engineers®**

# PUBLIC NOTICE

Applicant:  
Kirk Mantay  
Green Trust Alliance

Published: March 25, 2026  
Expires: April 24, 2026

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PN-26-09

**Baltimore District  
Permit Application No. NAB-2025-61347-M50**

**TO WHOM IT MAY CONCERN:** The Baltimore District of the United States 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:** Kirk Mantay  
Green Trust Alliance  
201 International Circle  
Suite 230  
Hunt Valley, MD 21030

**AGENT:** Dave Knorr  
Mariner Science & Exploration, LLC  
64 West Central Avenue  
Edgewater, MD 21037

**WATERWAY AND LOCATION:** The project would affect waters of the United States and navigable waters of the United States associated with Chesapeake Bay. The project/review area is located on the western shoreline of the bay between Shipwreck Way and Camp Winslow Roads; at Latitude 38.166516 and Longitude -76.341471; in Dameron, St Mary's County, Maryland.

**EXISTING CONDITIONS:** The site consists of 4,214 linear feet (lf) of Chesapeake Bay beach shoreline with eroding banks. The site has a fetch of 34 miles which promotes strong wave conditions, causing naturally eroding shoreline conditions. The shoreline is retreating at an average rate of 4.3 feet per year. No vegetated wetlands are present. No submerged aquatic vegetation is mapped in the area over the period 1971-2024. The fastland landward of the beach/bluffs is forested. A shellfish aquaculture lease area is located bayward of the southern part of the shoreline reach. No other oyster resources are mapped in bay waters immediately along the shore.

## **PROJECT PURPOSE:**

**Basic:** To provide shoreline stabilization and erosion control to protect property.

**Overall:** To protect the existing shoreline property from continued erosion, and provide shoreline stabilization using a living shoreline approach

**PROPOSED WORK:** The applicant requests authorization to construct a living shoreline project with permanent impacts along 4,215 lf of estuarine shoreline including sand/cobble fill and rock stabilization within an approximately 303,555 square foot (sf) (~7.0 acre) area as follows:

- Construct 1,450 lf of breakwaters (5 headland and 8 nearshore) impacting 37,100 sf of intertidal and subtidal bottom, with the headland breakwater and nearshore breakwaters extending a maximum distance channelward of the mean high water (MHW) line of 225 lf and 124 lf, respectively,
- Construct 275 lf of headland groin impacting 6,800 sf of intertidal and subtidal bottom and extending a maximum distance channelward of MHW of 205 lf,
- Place sand/cobble fill from upland source(s) to construct beach along 4,215 lf of shoreline (13,250 cubic yards) of fill material) impacting 259,655 sf of intertidal and subtidal bottom, extending from 0 to 155 lf of MHW,
- Plant marsh and upland vegetation along the landward side of the constructed beach, and
- Install 27 posts to support an aerial line for an adjacent existing in-bay aquaculture operation (Corps permit 2018-00797 (St. Jeromes Crossroads, LLC/Aquaculture Lease #423 & #552)).

Construction would be primarily from land, although some work may be done from barge.

**EFFECTS ON AQUATIC RESOURCES:**

<b>Table 1: Aquatic Resource Impacts</b>					
<b>Activity</b>	<b>Subtidal Bottom</b>	<b>Intertidal Bottom</b>	<b>Emergent wetlands</b>	<b>Submerged Aquatic Vegetation</b>	<b>Authority (Section 10/404)</b>
Stone structure fill	43,542 sf	358 sf	0	0	10/404
Sand/cobble fill	170,072 sf	89,584 sf	0	0	

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

Alternatives considered included No Action, a hardened revetment, and the proposed living shoreline. The No Action alternative would not accomplish the project purpose of protecting property, including riparian forest. A hardened revetment would cause loss of shoreline habitats and is inconsistent with State of Maryland regulatory requirements. Non-structural living shoreline approaches were considered but eliminated due to extreme wave energy at the site.

The proposed living shoreline design minimizes impacts to aquatic resources by: limiting channelward encroachment to the minimum necessary for stable embayment geometries; incorporating eight (8) smaller nearshore breakwaters at lower crest elevations (+0.0 feet MHW) to reduce the overall structural footprint; designing nearshore breakwaters to capture naturally drifting sands and reduce imported fill volumes; utilizing minimum allowable breakwater slopes per State of Maryland requirements; and designing all elevations to accommodate 50-year sea level rise to avoid future re-construction.

The living shoreline approach would maintain natural shoreline habitats, although create manmade rock structures which are not natural to the bay.

**COMPENSATORY MITIGATION:** The applicant states that the project is voluntary and grant-funded (by the National Fish and Wildlife Foundation) and is not associated with development or any regulatory requirements, including compensatory mitigation. The property is protected by a perpetual conservation easement, ensuring long-term preservation of the restored shoreline and associated habitats. No compensatory mitigation is proposed by the applicant at this time.

The application materials support that the project is an optimal means to stabilize the shoreline with least environmental impacts. The Corps will evaluate whether compensatory mitigation may be required.

**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 State Historic Preservation Office and/or Tribal Historic Preservation Office, 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 United States Fish and Wildlife Service Information for Planning and Consultation, National Marine Fisheries Service (NMFS) 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 listed in Table 2. No other Endangered Species Act (ESA)-listed species or critical habitat will be affected by the proposed action.

<b>Table 2: ESA-listed species potentially present in the action area.</b>		
<b>Species Common Name</b>	<b>Scientific Name</b>	<b>Federal Status</b>
Atlantic Sturgeon	<i>Acipenser oxyrinchus</i>	Endangered
Shortnose Sturgeon	<i>Acipenser brevirostrum</i>	Endangered
Green sea turtle	<i>Chelonia mydas</i>	Threatened
Kemp's ridley sea turtle	<i>Lepidochelys kempii</i>	Endangered
Leatherback sea turtle	<i>Dermochelys coriacea</i>	Endangered
Loggerhead sea turtle	<i>Caretta caretta</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 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.

This notice initiates the Essential Fish Habitat consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. Our initial determination is that the proposed action may adversely affect Essential Fish Habitat and/or fisheries managed by Fishery Management Councils and the NMFS. Implementation of the proposed project would directly impact approximately 2.1 acres of intertidal beach and 4.9 acres of subtidal unvegetated sandy bottom. The effects of the project are determined to be minimal and permanent. These habitat(s) are utilized by the following species and their various life stages in Table 3:

<b>Table 3: Fishery species with Essential Fish Habitat potentially occurring in impact area.</b>		
<b>Species Common Name</b>	<b>Scientific Name</b>	<b>Life Stage</b>
Clearnose skate	<i>Raja eglanteria</i>	juveniles, adults
Atlantic butterfish	<i>Peprilus triacanthus</i>	eggs, larvae, juveniles, adults
Black sea bass	<i>Centropristis striata</i>	juveniles, adults
Bluefish	<i>Pomatomus saltatrix</i>	juveniles, adults
Scup	<i>Stenolemus chrysops</i>	juveniles, adults
Summer flounder	<i>Paralichthys dentatus</i>	larvae, juveniles, adults
Windowpane flounder	<i>Scophthalmus aquosus</i>	juveniles, adults

Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the NMFS.

**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 Maryland Department of the Environment in accordance with Section 401 of the Clean Water Act.

**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, United States Environmental Protection Agency, 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 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.

The Baltimore District will receive written comments on the proposed work, as outlined above, until April 24, 2026. Comments should be submitted electronically via the Regulatory Request System at <https://rrs.usace.army.mil/rrs>. The Corps point of contact for this project is Christopher Spaur at [christopher.c.spaur@usace.army.mil](mailto:christopher.c.spaur@usace.army.mil). Alternatively, you may submit comments in writing to the Commander, United States Army Corps of Engineers, Baltimore District, Attention: Christopher Spaur, Regulatory Division, 2 Hopkins Plaza, 02-E-08 Baltimore, MD 21201-2930. 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.

# SHORELINE RESTORATION

## CAMP WINSLOW SHORELINE

### JPA IMPACT PLATES

SEPTEMBER 2025

SHEET INDEX	
NUMBER	TITLE
1	COVER SHEET
2	VICINITY MAP & AERIAL PHOTO
3	EXISTING CONDITIONS
4	EXISTING CONDITIONS
5	EXISTING CONDITIONS
6	EXISTING CONDITIONS
7	EXISTING CONDITIONS
8	EXISTING CONDITIONS
9	EXISTING CONDITIONS
10	EXISTING CONDITIONS
11	EXISTING CONDITIONS
12	EXISTING CONDITIONS
13	PROPOSED CONDITIONS
14	PROPOSED CONDITIONS
15	PROPOSED CONDITIONS
16	PROPOSED CONDITIONS
17	PROPOSED CONDITIONS
18	PROPOSED CONDITIONS
19	PROPOSED CONDITIONS
20	PROPOSED CONDITIONS
21	PROPOSED CONDITIONS
22	PROPOSED CONDITIONS
23	CROSS SECTIONS
24	CROSS SECTIONS
25	PLANTING NOTES & SCHEDULES

#### APPLICANT

KIRK MANTAY, PWS  
GREEN TRUST ALLIANCE  
201 INTERNATIONAL CIR  
SUITE 230  
HUNT VALLEY, MD 21030  
(443) 445-0068  
KIRK@GREENTRUSTALLIANCE.ORG

#### PROPERTY INFO

18159 CAMP WINSLOW RD  
DAMERON, MD 20628  
TAX MAP INFORMATION  
DISTRICT: 01  
ACCOUNT NUMBER: 013262  
MAP: 0064  
GRID: 0015  
PARCEL: 0011

#### RESTORATION ECOLOGIST

DAVE KNORR  
MARINER SCIENCE & EXPLORATION  
(410) 991-3309  
DAVE@MARINERSCIENCE.COM  
WWW.MARINERSCIENCE.COM

#### OWNER

ST JEROMES  
CROSSROADS LLC  
8312 WELLER AVE  
MCLEAN, VA 22102

#### ENGINEER

SETH MCCULLOUGH, PE  
SUSTAINABLE SCIENCE  
(443) 786-9388  
SETH@SUSTAINABLESCIENCE.COM  
WWW.SUSTAINABLESCIENCE.COM

#### GENERAL NOTES

- TOPOGRAPHIC SURVEY AND EXISTING SITE CONDITIONS MAPPING PERFORMED BY SUSTAINABLE SCIENCE IN NOVEMBER 2024.
- BATHYMETRIC SURVEY PERFORMED BY MARINER SCIENCE & EXPLORATION AND SUSTAINABLE SCIENCE IN APRIL 2023
- COORDINATE SYSTEM
  - HORIZONTAL: NORTH AMERICAN DATUM OF 1983 (NAD83) US FOOT.
  - VERTICAL: NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88) US FOOT.
- EXISTING TOPOGRAPHY HAS BEEN RAISED BY 1.1' TO SET THE MEAN LOW WATER LINE (MLWL) = 0' (BASED ON NOAA VDATUM).
- THE MEAN HIGH WATER LINE (MHWL) IS SET AT +1.2' MLWL ACCORDING TO THE SOLOMONS ISLAND TIDE GAUGE (STATION #8577330) MEAN RANGE OF TIDE VALUE OF 1.2'.
- PARCEL BOUNDARIES BASED ON PUBLICLY AVAILABLE ST. MARY'S COUNTY, MARYLAND GIS DATA.
- BACKGROUND IMAGERY ON EXISTING CONDITIONS PLAN SHEETS BASED ON PUBLICLY AVAILABLE 2017 ORTHOIMAGERY FROM MARYLAND IMAP (IMAP.MARYLAND.GOV).
- THE TOTAL LENGTH OF RESTORED SHORELINE IS 4,215 LF.
- REFER TO SHEETS 23 & 24 FOR TYPICAL CROSS SECTIONS ASSOCIATED WITH THE PROPOSED PRACTICES FOUND ON THE PROPOSED PLAN SHEETS.



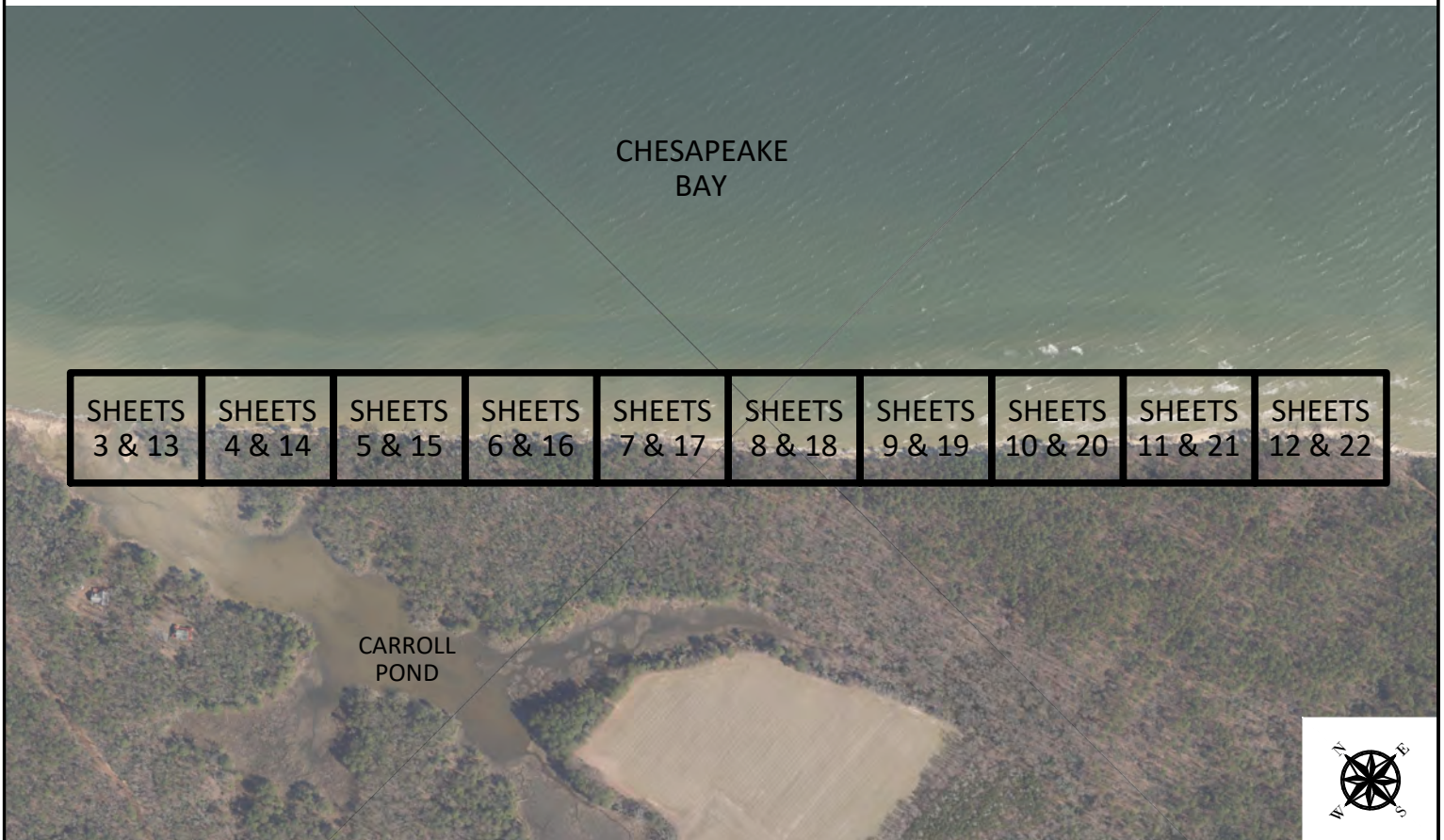
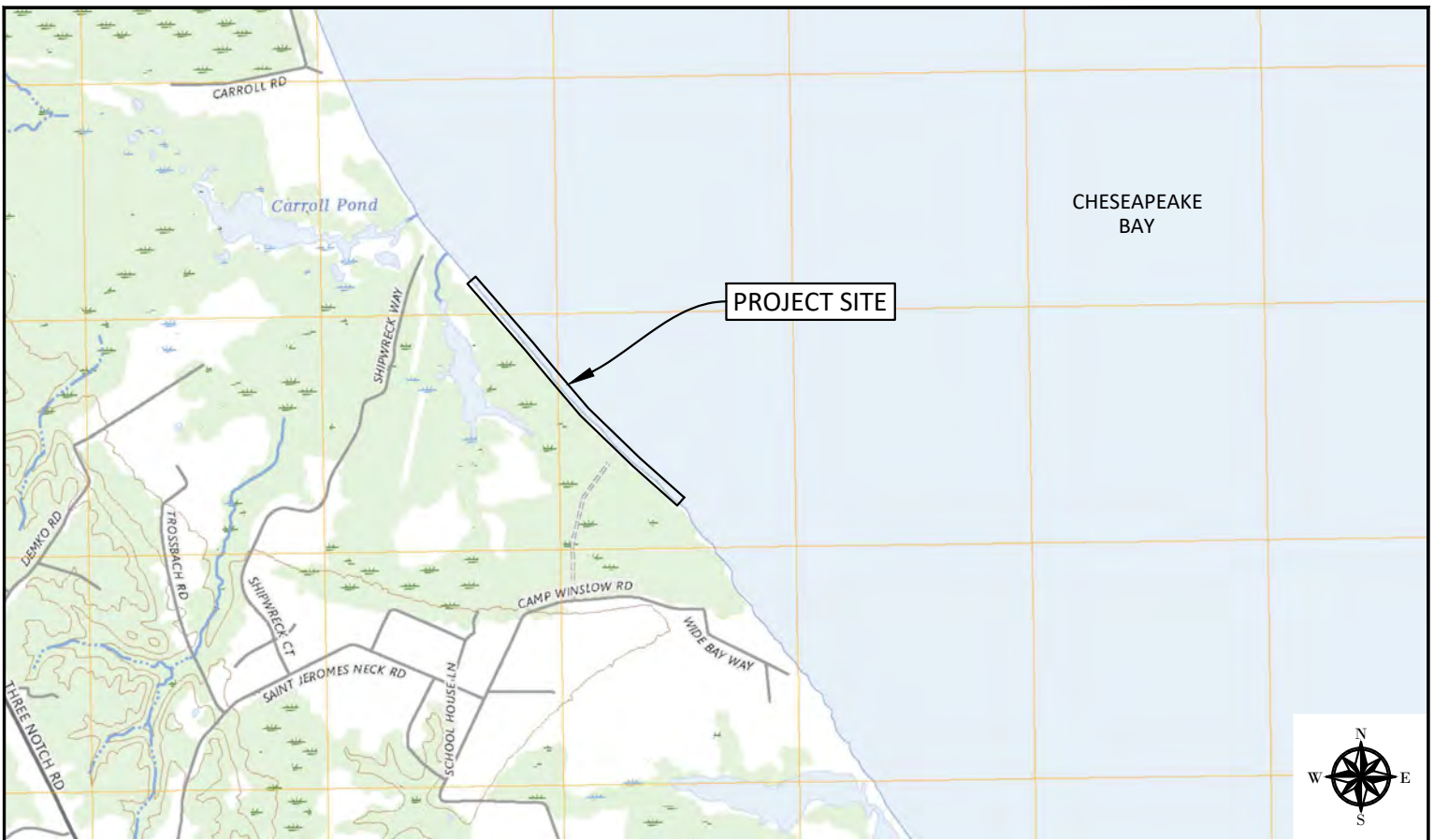
### PROJECT INFORMATION

SHEET 1 OF 25

### CAMP WINSLOW SHORELINE

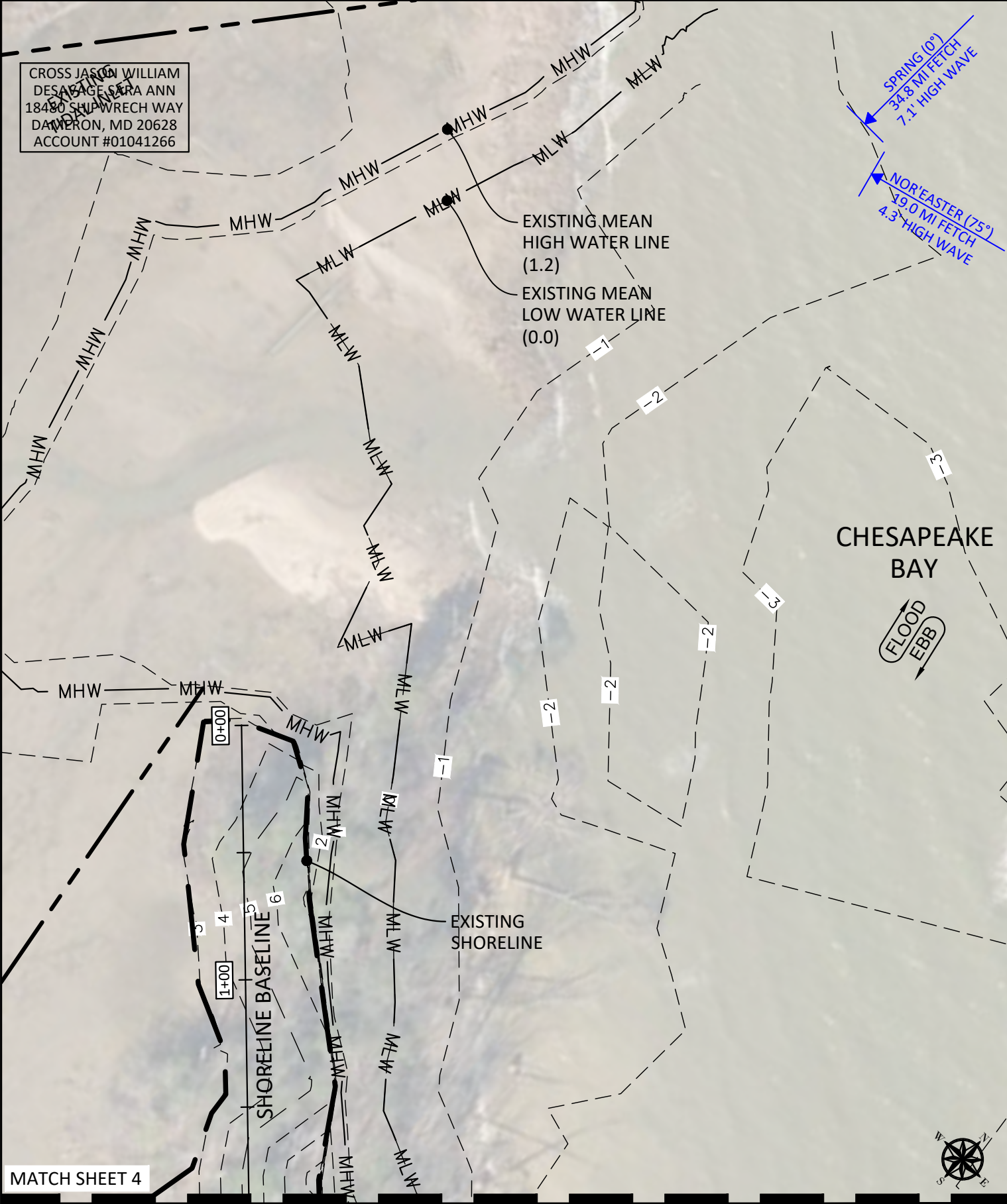
PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
MCLEAN, VA 22102

DATE	9/8/2025
SS PROJECT #	25005
SCALE	AS SHOWN
DESIGNED BY	S.A.M.
DRAWN BY	S.A.M.
CHECKED BY	F.A.M.



SHEETS 3 & 13	SHEETS 4 & 14	SHEETS 5 & 15	SHEETS 6 & 16	SHEETS 7 & 17	SHEETS 8 & 18	SHEETS 9 & 19	SHEETS 10 & 20	SHEETS 11 & 21	SHEETS 12 & 22
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CROSS JASON WILLIAM  
 DESABAGE SARA ANN  
 18480 SHIPWRECK WAY  
 DANVER, MD 20628  
 ACCOUNT #01041266



MATCH SHEET 4

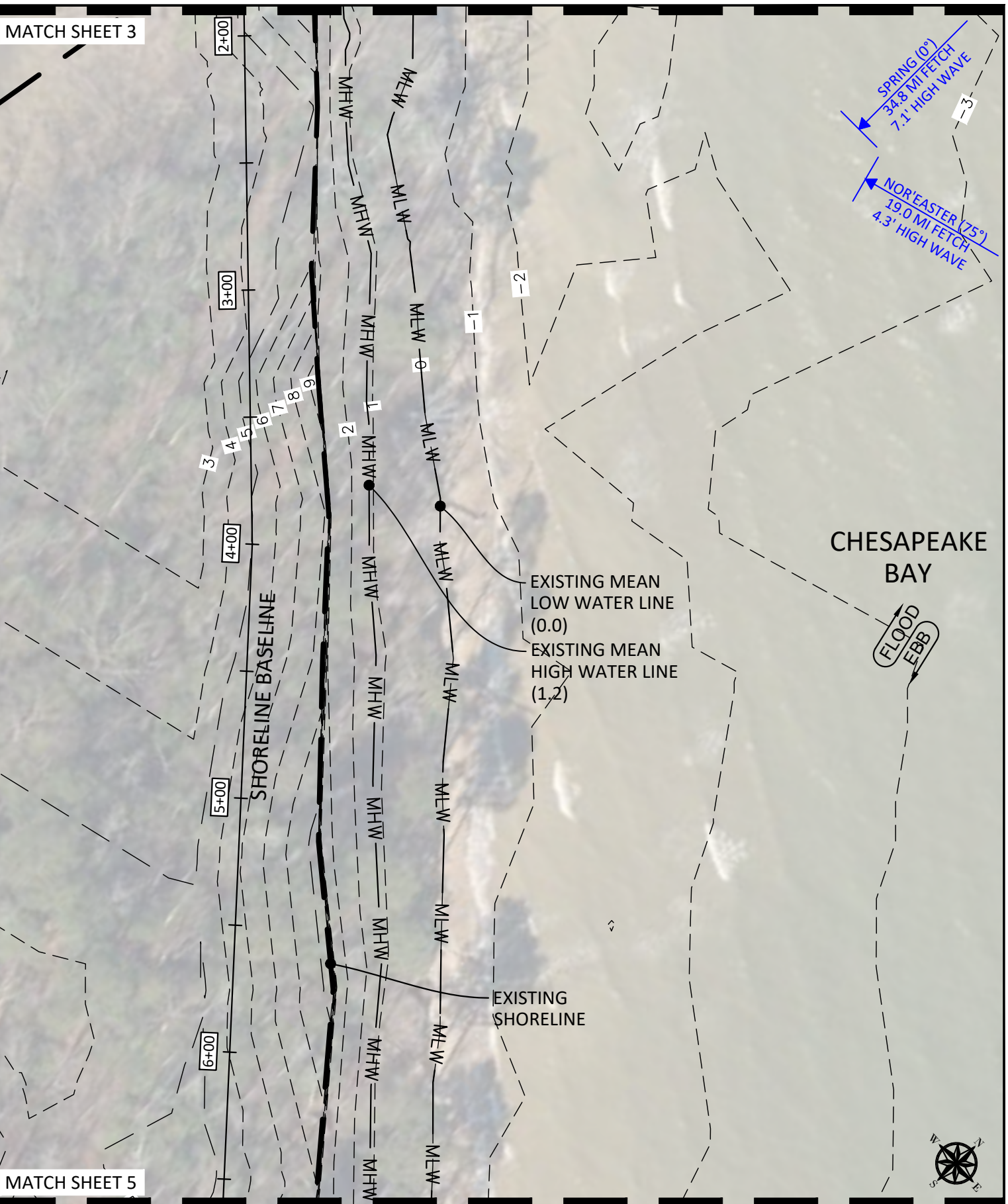
**Sustainable science**  
 ENGINEERING SERVICES  
 410 S. SECOND STREET  
 DENTON, MARYLAND 21629

**EXISTING SHORELINE**  
 SHEET 3 OF 25  
 SCALE: 1" = 50'

**CAMP WINSLOW SHORELINE**  
 PREPARED FOR APPLICANT:  
 ST JEROMES CROSSROADS LLC  
 8312 WELLER AVE  
 MCLEAN, VA 22102

DATE	9/8/2025
SS PROJECT #	25005
SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM

MATCH SHEET 3



MATCH SHEET 5

### EXISTING CONDITIONS

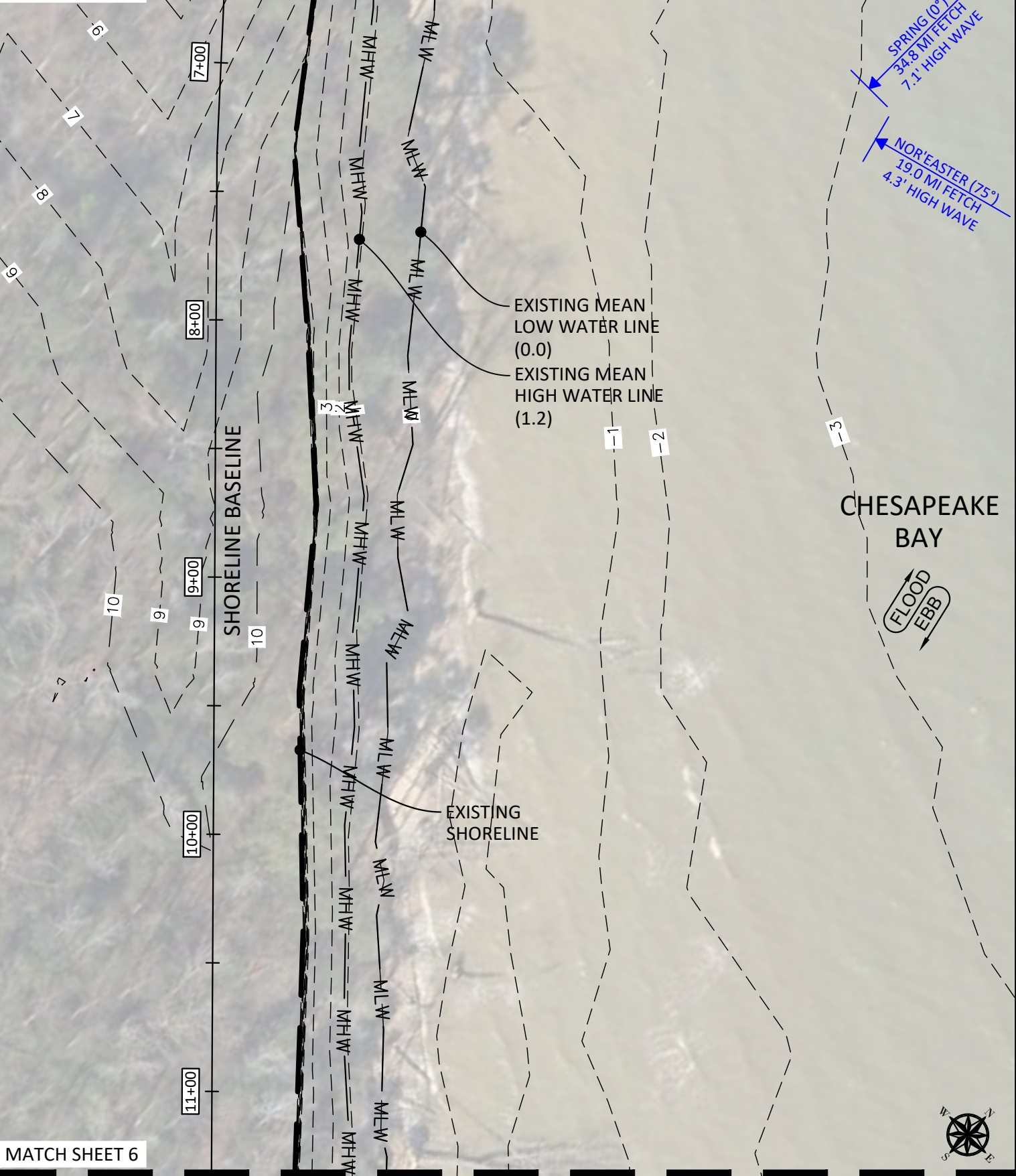
SHEET 4 OF 25  
SCALE: 1" = 50'

### CAMP WINSLOW SHORELINE

PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
MCLEAN, VA 22102

DATE	9/8/2025
SS PROJECT #	25005
SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM

MATCH SHEET 4



MATCH SHEET 6

**Sustainable science**  
ENGINEERING SERVICES  
410 S. SECOND STREET  
DENTON, MARYLAND 21629

**EXISTING SHORELINE**

EXISTING MEAN LOW WATER LINE (0.0)  
EXISTING MEAN HIGH WATER LINE (1.2)

EXISTING SHORELINE

SHEET 5 OF 25  
SCALE: 1" = 50'

**CAMP WINSLOW SHORELINE**

PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
MCLEAN, VA 22102

DATE	9/8/2025
SS PROJECT #	25005
SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM

MATCH SHEET 5

SPRING (0°)  
34.8 MI FETCH  
7.1' HIGH WAVE

NOR'EASTER (75°)  
19.0 MI FETCH  
4.3' HIGH WAVE

12+00

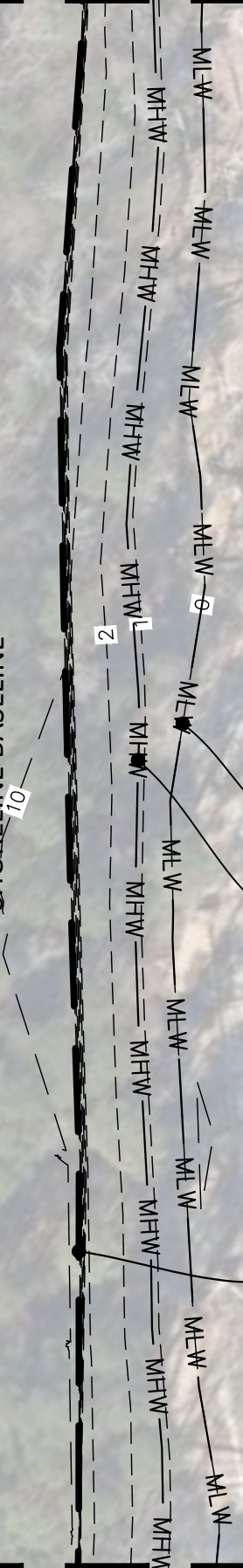
13+00

14+00

15+00

16+00

SHORELINE BASELINE



EXISTING MEAN LOW WATER LINE (0.0)

EXISTING MEAN HIGH WATER LINE (1.2)

EXISTING SHORELINE

CHESAPEAKE BAY



MATCH SHEET 7

### EXISTING CONDITIONS

SHEET 6 OF 25  
SCALE: 1" = 50'

### CAMP WINSLOW SHORELINE

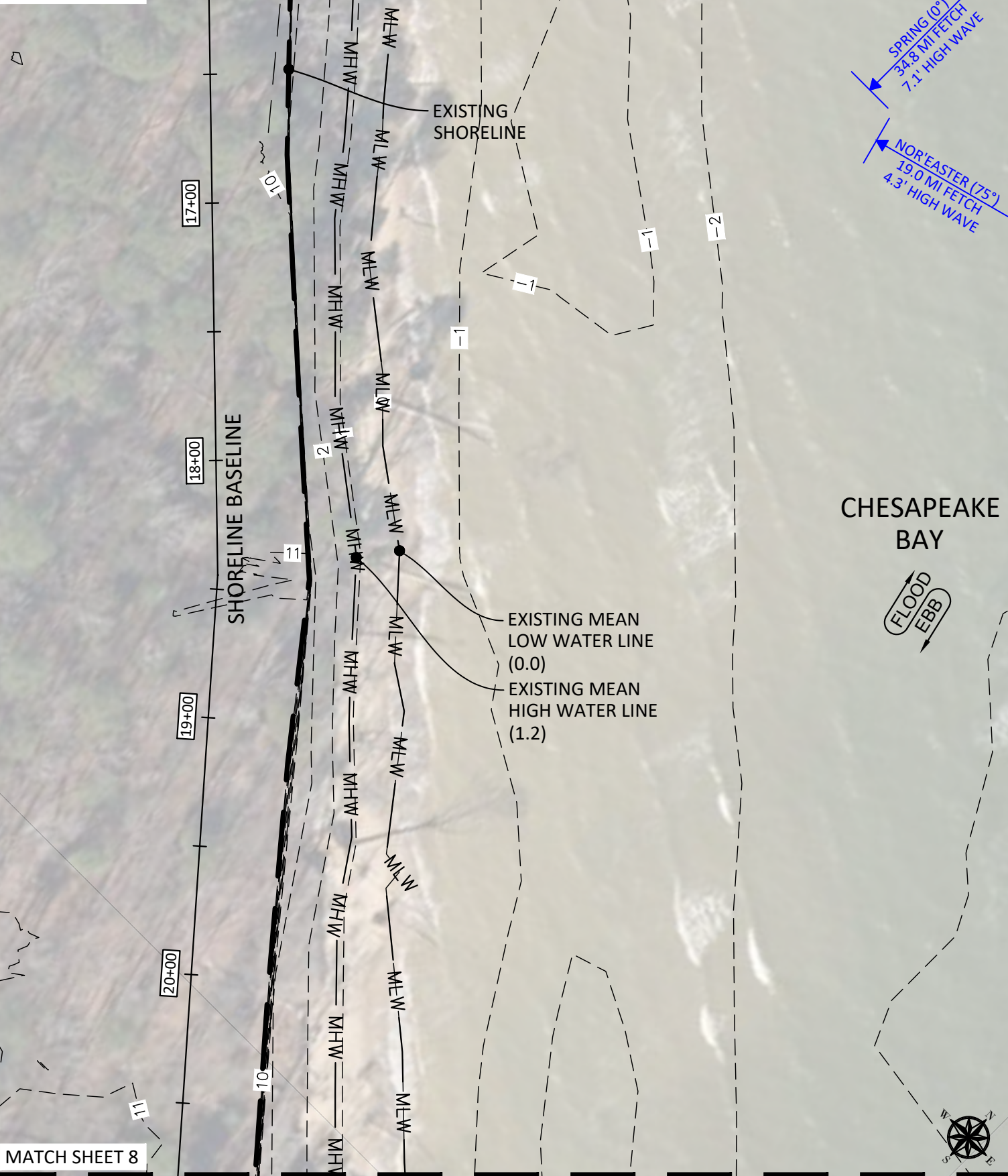
PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
MCLEAN, VA 22102

DATE	9/8/2025
SS PROJECT #	25005
SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM



**ENGINEERING SERVICES**  
410 S. SECOND STREET  
DENTON, MARYLAND 21629

MATCH SHEET 6



MATCH SHEET 8

**Sustainable science**  
ENGINEERING SERVICES  
410 S. SECOND STREET  
DENTON, MARYLAND 21629

**EXISTING SHORELINE**

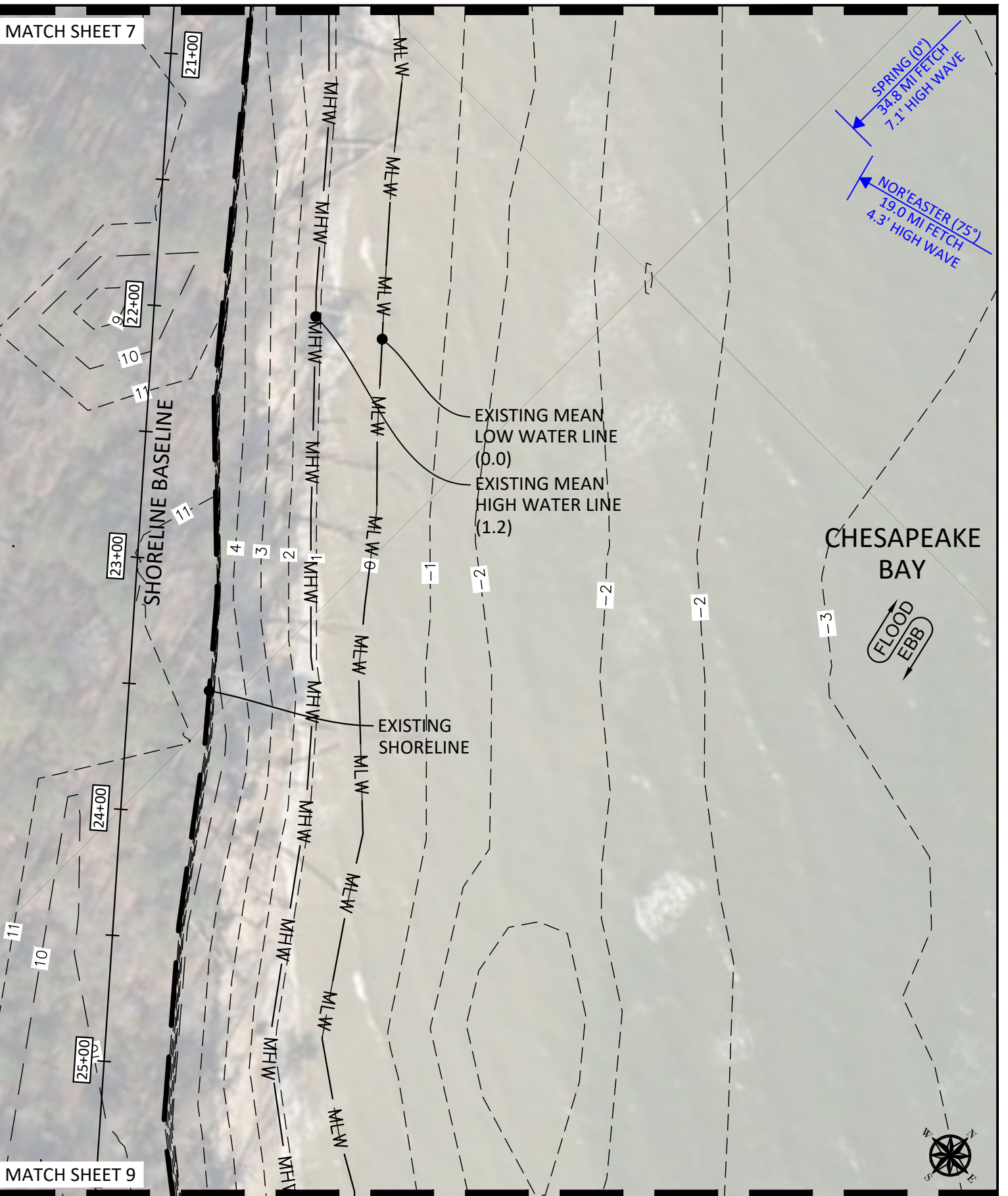
SHEET 7 OF 25  
SCALE: 1" = 50'

**CAMP WINSLOW SHORELINE**

PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
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DATE	9/8/2025
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SCALE	AS SHOWN
DESIGNED BY	SAM
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CHECKED BY	FAM

MATCH SHEET 7



MATCH SHEET 9

### EXISTING CONDITIONS

SHEET 8 OF 25

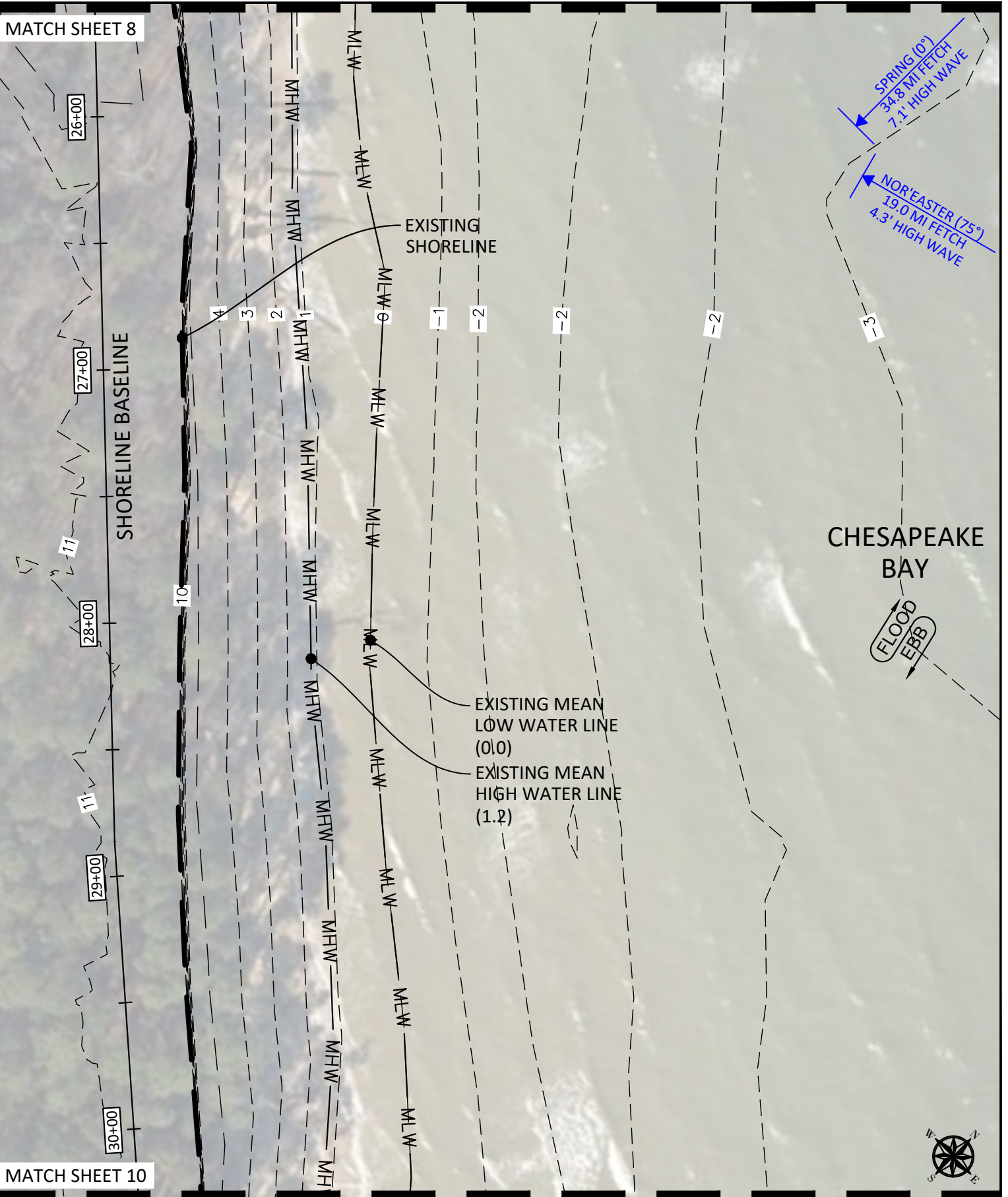
SCALE: 1" = 50'

### CAMP WINSLOW SHORELINE

PREPARED FOR APPLICANT:  
 ST JEROMES CROSSROADS LLC  
 8312 WELLER AVE  
 MCLEAN, VA 22102

DATE	9/8/2025
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SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM

MATCH SHEET 8



MATCH SHEET 10

### EXISTING CONDITIONS

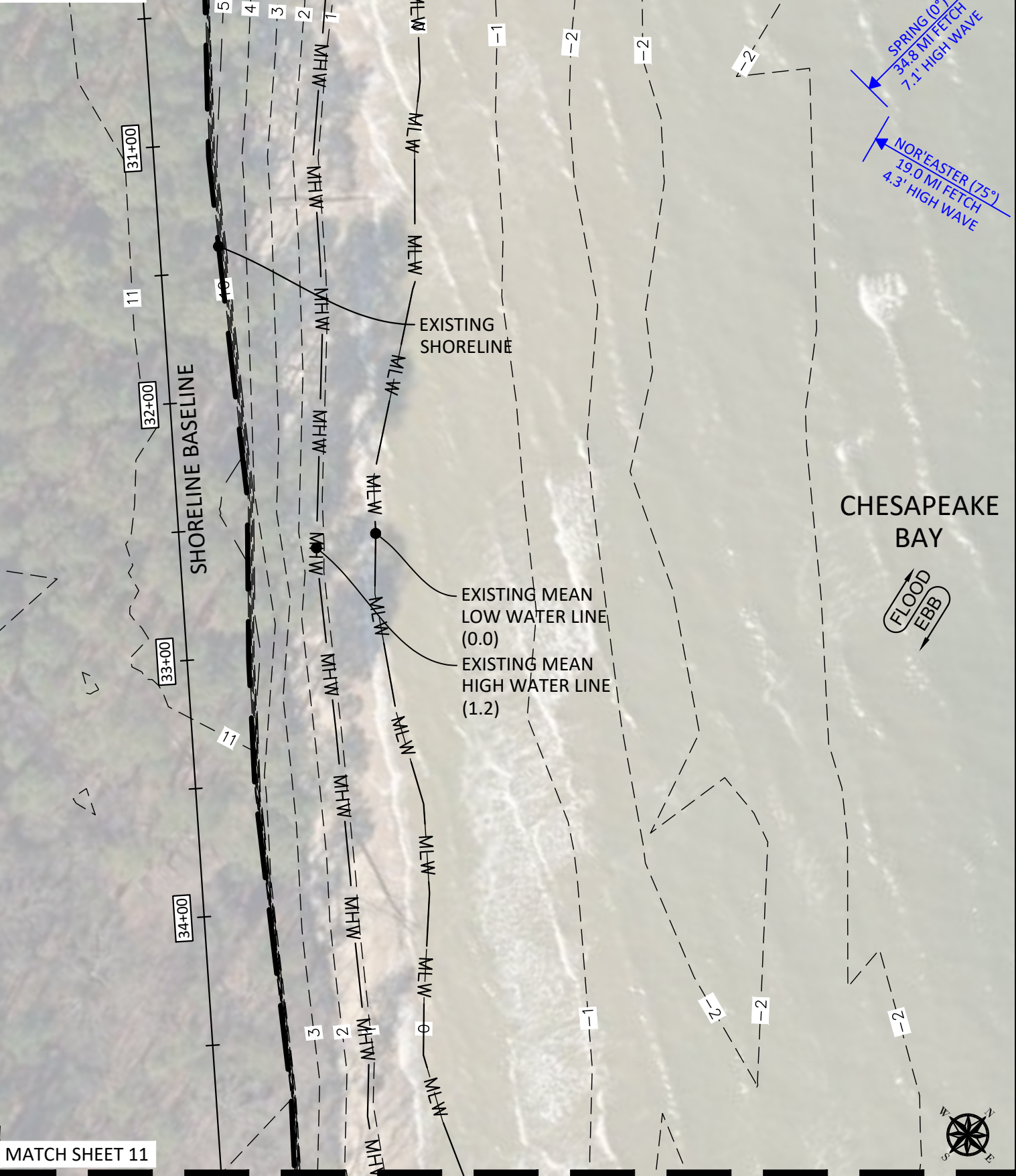
SHEET 9 OF 25  
SCALE: 1" = 50'

### CAMP WINSLOW SHORELINE

PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
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DATE	9/8/2025
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SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM

MATCH SHEET 9



MATCH SHEET 11

**Sustainable science**  
ENGINEERING SERVICES  
410 S. SECOND STREET  
DENTON, MARYLAND 21629

**EXISTING  
CONDITIONS**

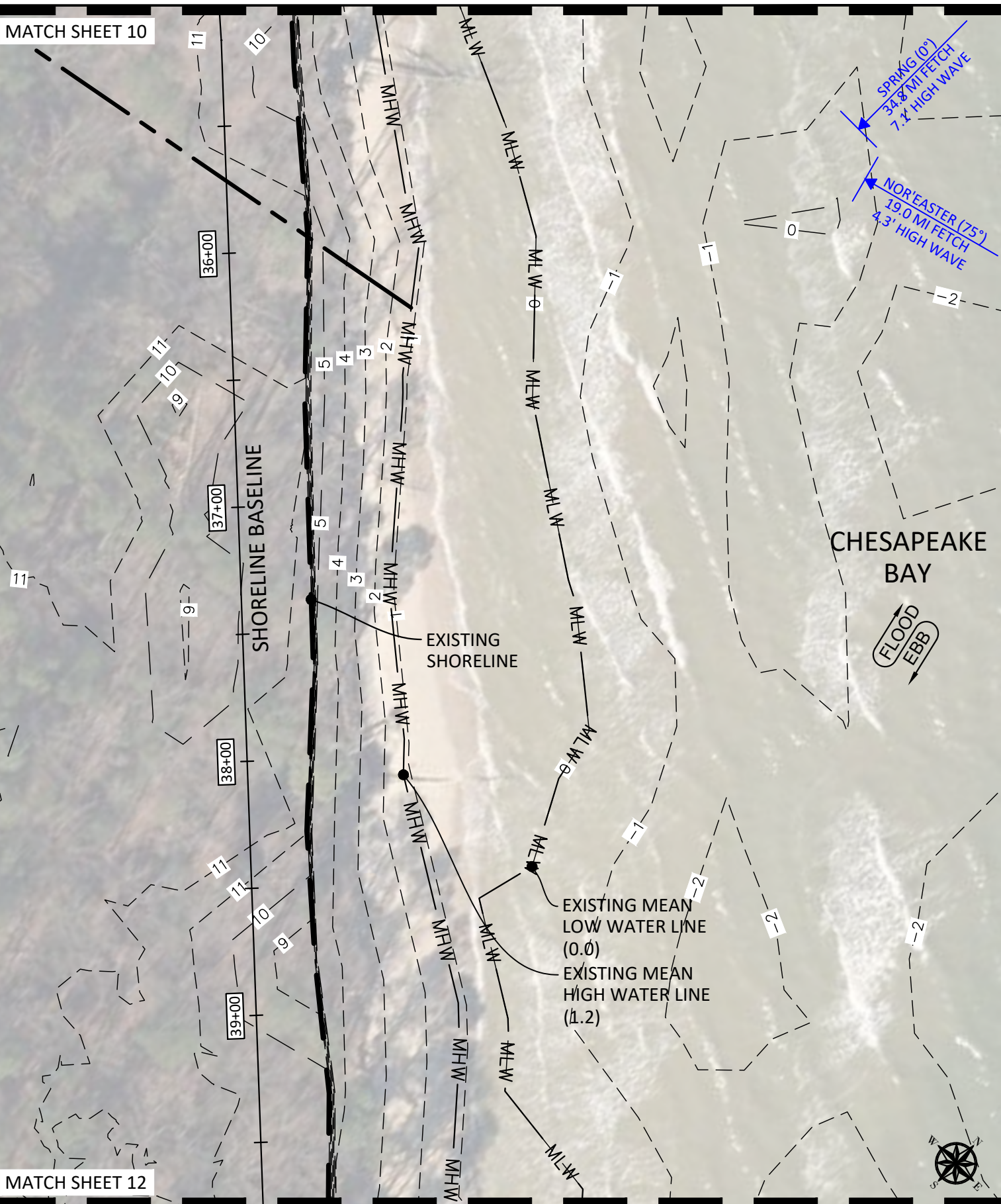
SHEET 10 OF 25  
SCALE: 1" = 50'

**CAMP WINSLOW  
SHORELINE**

PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
MCLEAN, VA 22102

DATE	9/8/2025
SS PROJECT #	25005
SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM

MATCH SHEET 10



MATCH SHEET 12

### EXISTING CONDITIONS

SHEET 11 OF 25

SCALE: 1" = 50'

### CAMP WINSLOW SHORELINE

PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
MCLEAN, VA 22102

DATE  
9/8/2025

SS PROJECT #  
25005

SCALE AS SHOWN

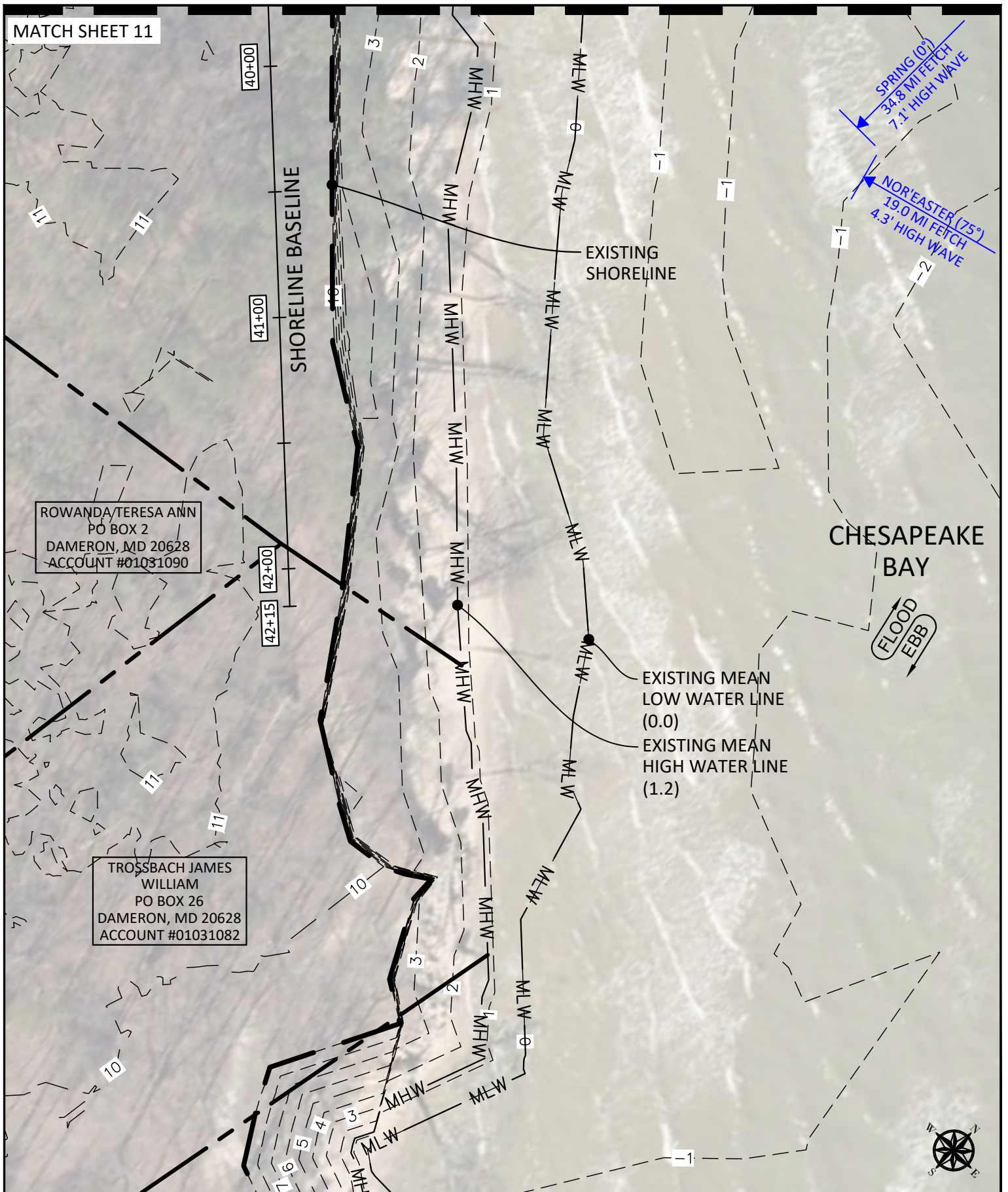
DESIGNED BY SAM

DRAWN BY SAM

CHECKED BY FAM



ENGINEERING SERVICES  
410 S. SECOND STREET  
DENTON, MARYLAND 21629



CROSS JASON WILLIAM  
 DESAVAGE SARA ANN  
 18480 SHIPWRECH WAY  
 DAMERON, MD 20628  
 ACCOUNT #01041266

SPRING (0°)  
 34.8 MI FETCH  
 7.1' HIGH WAVE

NOR'EASTER (75°)  
 19.0 MI FETCH  
 4.3' HIGH WAVE

**LIVING SHORELINE**  
 SAND / COBBLE MIX  
 LENGTH: 4,215 LF  
 MAX SLOPE: 10H:1V  
 IMPACTS SUMMARY  
 AREAS:  
 UNPLANTED: 34,175 SF  
 LOW MARSH: 65,720 SF  
 HIGH MARSH: 57,630 SF  
 UPLANDS: 102,130 SF  
 VOLUME: 13,250 CY

CHESAPEAKE BAY



**HEADLAND GROIN A**  
 TOP ELEV: +2.0-FT MHW  
 TOP WIDTH: 4-FT  
 LENGTH: 275 LF  
 IMPACTS SUMMARY  
 AREA: 6,800 SF  
 VOLUME: 725 CY

UNPLANTED

LOW MARSH  
 HIGH MARSH  
 UPLANDS



MATCH SHEET 14



**PROPOSED CONDITIONS**  
 SHEET 13 OF 25  
 SCALE: 1" = 50'

**CAMP WINSLOW SHORELINE**  
 PREPARED FOR APPLICANT:  
 ST JEROMES CROSSROADS LLC  
 8312 WELLER AVE  
 MCLEAN, VA 22102

DATE	9/11/2025
SS PROJECT #	25005
SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM

MATCH SHEET 13

2+00

205' MAX

UNPLANTED

HEADLAND GROIN A  
SEE SHEET 13 FOR  
STRUCTURE DETAILS

SPRING (0°)  
34.8 MI FETCH  
7.1' HIGH WAVE

NOR'EASTER (75°)  
19.0 MI FETCH  
4.3' HIGH WAVE

LOW MARSH

HIGH MARSH

UPLANDS

LIVING SHORELINE  
SEE SHEET 13 FOR  
PRACTICE DETAILS

3+00

4+00

5+00

SHORELINE BASELINE

CHESAPEAKE BAY

FLOOD  
EBB

NEARSHORE BREAKWATER A  
TOP ELEVATION: +0.0-FT MHW  
TOP WIDTH: 2-FT  
LENGTH: 50 LF  
IMPACTS SUMMARY  
AREA: 1,150 SF  
VOLUME: 75 CY

100' MAX

NEARSHORE BREAKWATER B  
TOP ELEVATION: +0.0-FT MHW  
TOP WIDTH: 2-FT  
LENGTH: 50 LF  
IMPACTS SUMMARY  
AREA: 1,150 SF  
VOLUME: 75 CY

101' MAX



MATCH SHEET 15

### PROPOSED CONDITIONS

SHEET 14 OF 25

SCALE: 1" = 50'

### CAMP WINSLOW SHORELINE

PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
MCLEAN, VA 22102

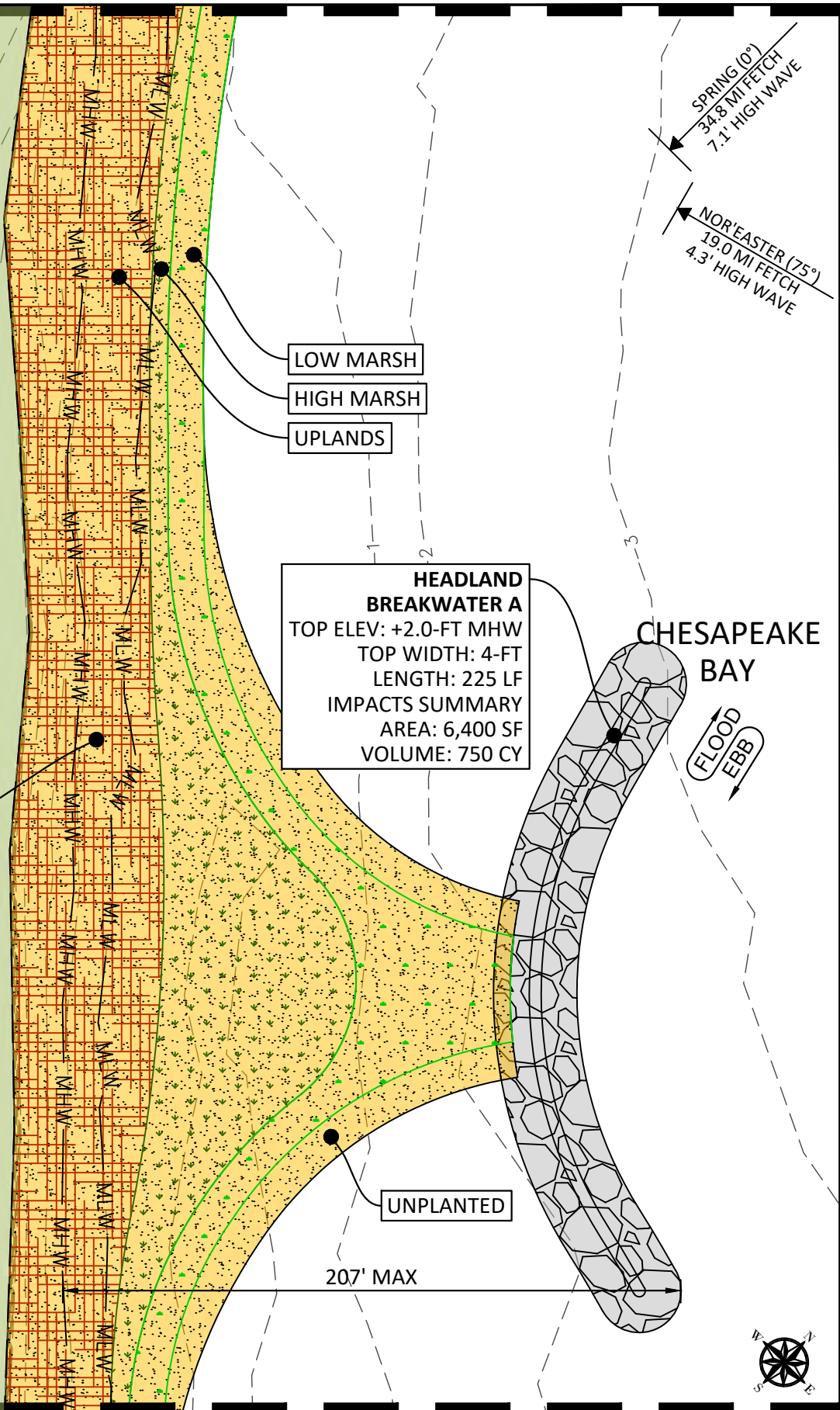
DATE	9/11/2025
SS PROJECT #	25005
SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM



MATCH SHEET 14



LIVING SHORELINE  
SEE SHEET 13 FOR  
PRACTICE DETAILS



MATCH SHEET 16



### PROPOSED CONDITIONS

SHEET 15 OF 25  
SCALE: 1" = 50'

### CAMP WINSLOW SHORELINE

PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
MCLEAN, VA 22102

DATE	9/11/2025
SS PROJECT #	25005
SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM



MATCH SHEET 15

**LIVING SHORELINE**  
SEE SHEET 13 FOR  
PRACTICE DETAILS

12+00

13+00

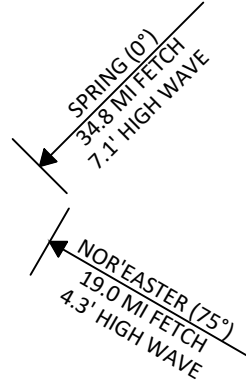
14+00

15+00

16+00

SHORELINE BASELINE

MATCH SHEET 17



CHESAPEAKE BAY



116' MAX

LOW MARSH  
HIGH MARSH  
UPLANDS

**NEARSHORE BREAKWATER C**  
TOP ELEVATION: +0.0-FT MHW  
TOP WIDTH: 2-FT  
LENGTH: 50 LF  
IMPACTS SUMMARY  
AREA: 1,150 SF  
VOLUME: 75 CY

111' MAX

**NEARSHORE BREAKWATER D**  
TOP ELEVATION: +0.0-FT MHW  
TOP WIDTH: 2-FT  
LENGTH: 50 LF  
IMPACTS SUMMARY  
AREA: 1,150 SF  
VOLUME: 75 CY



**Sustainable science**  
ENGINEERING SERVICES  
410 S. SECOND STREET  
DENTON, MARYLAND 21629

**PROPOSED CONDITIONS**  
SHEET 16 OF 25  
SCALE: 1" = 50'

**CAMP WINSLOW SHORELINE**  
PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
MCLEAN, VA 22102

DATE	9/11/2025
SS PROJECT #	25005
SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM

MATCH SHEET 16

LIVING SHORELINE  
SEE SHEET 13 FOR  
PRACTICE DETAILS

17+00

18+00

19+00

20+00

SHORELINE BASELINE

LOW MARSH

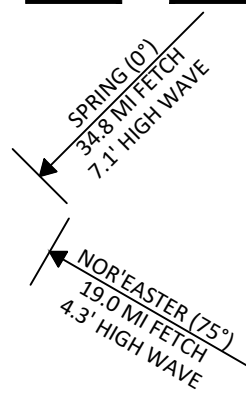
HIGH MARSH

UPLANDS

212' MAX

UNPLANTED

CHESAPEAKE BAY



UNPLANTED

**HEADLAND  
BREAKWATER B**  
TOP ELEV: +2.0-FT MHW  
TOP WIDTH: 4-FT  
LENGTH: 225 LF  
IMPACTS SUMMARY  
AREA: 6,400 SF  
VOLUME: 750 CY

MATCH SHEET 18



**PROPOSED  
CONDITIONS**

SHEET 17 OF 25

SCALE: 1" = 50'

**CAMP WINSLOW  
SHORELINE**

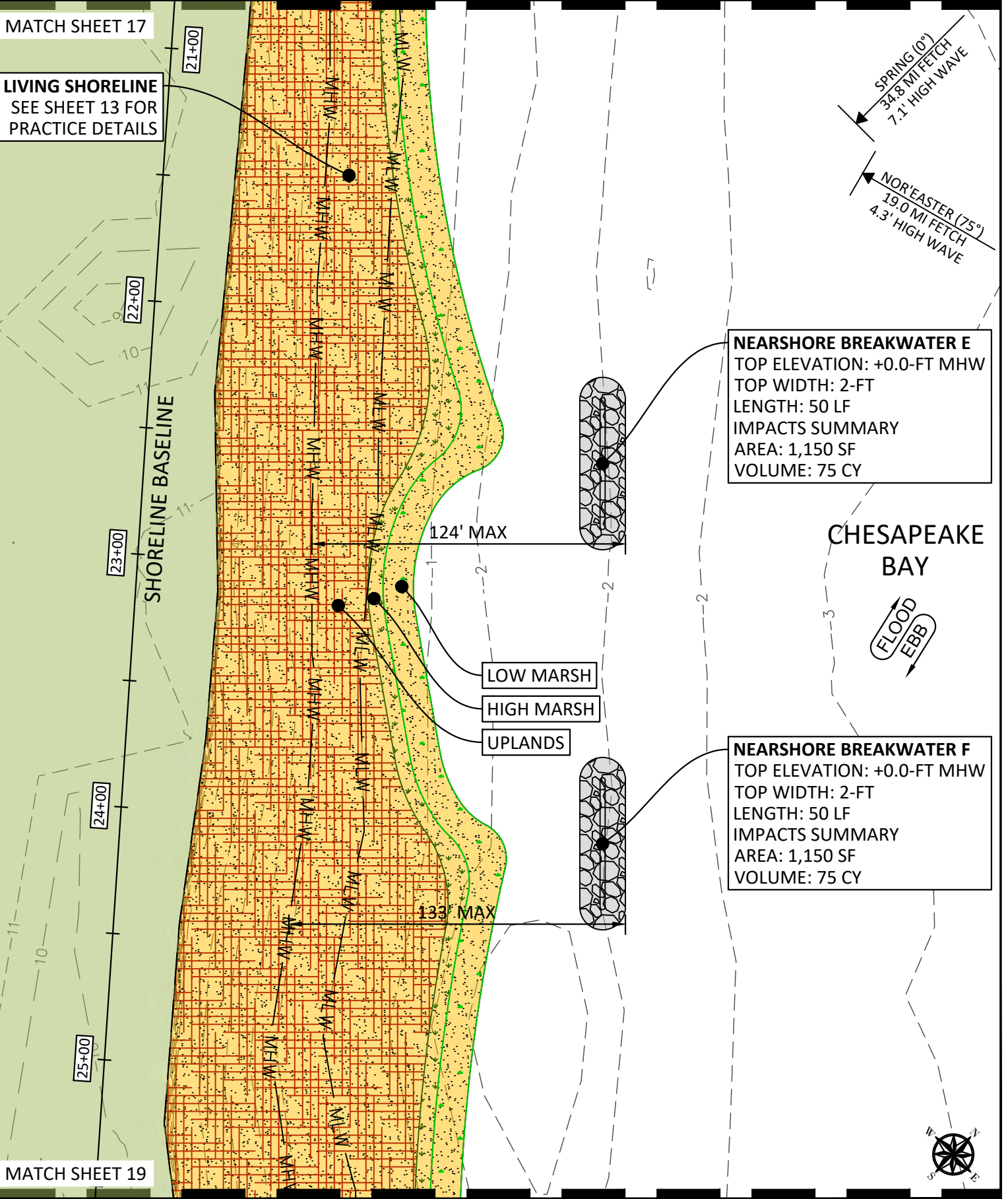
PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
MCLEAN, VA 22102

DATE	9/11/2025
SS PROJECT #	25005
SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM



MATCH SHEET 17

**LIVING SHORELINE**  
SEE SHEET 13 FOR  
PRACTICE DETAILS



**NEARSHORE BREAKWATER E**  
 TOP ELEVATION: +0.0-FT MHW  
 TOP WIDTH: 2-FT  
 LENGTH: 50 LF  
 IMPACTS SUMMARY  
 AREA: 1,150 SF  
 VOLUME: 75 CY

**NEARSHORE BREAKWATER F**  
 TOP ELEVATION: +0.0-FT MHW  
 TOP WIDTH: 2-FT  
 LENGTH: 50 LF  
 IMPACTS SUMMARY  
 AREA: 1,150 SF  
 VOLUME: 75 CY

LOW MARSH  
 HIGH MARSH  
 UPLANDS

MATCH SHEET 19

**Sustainable science**  
 ENGINEERING SERVICES  
 410 S. SECOND STREET  
 DENTON, MARYLAND 21629

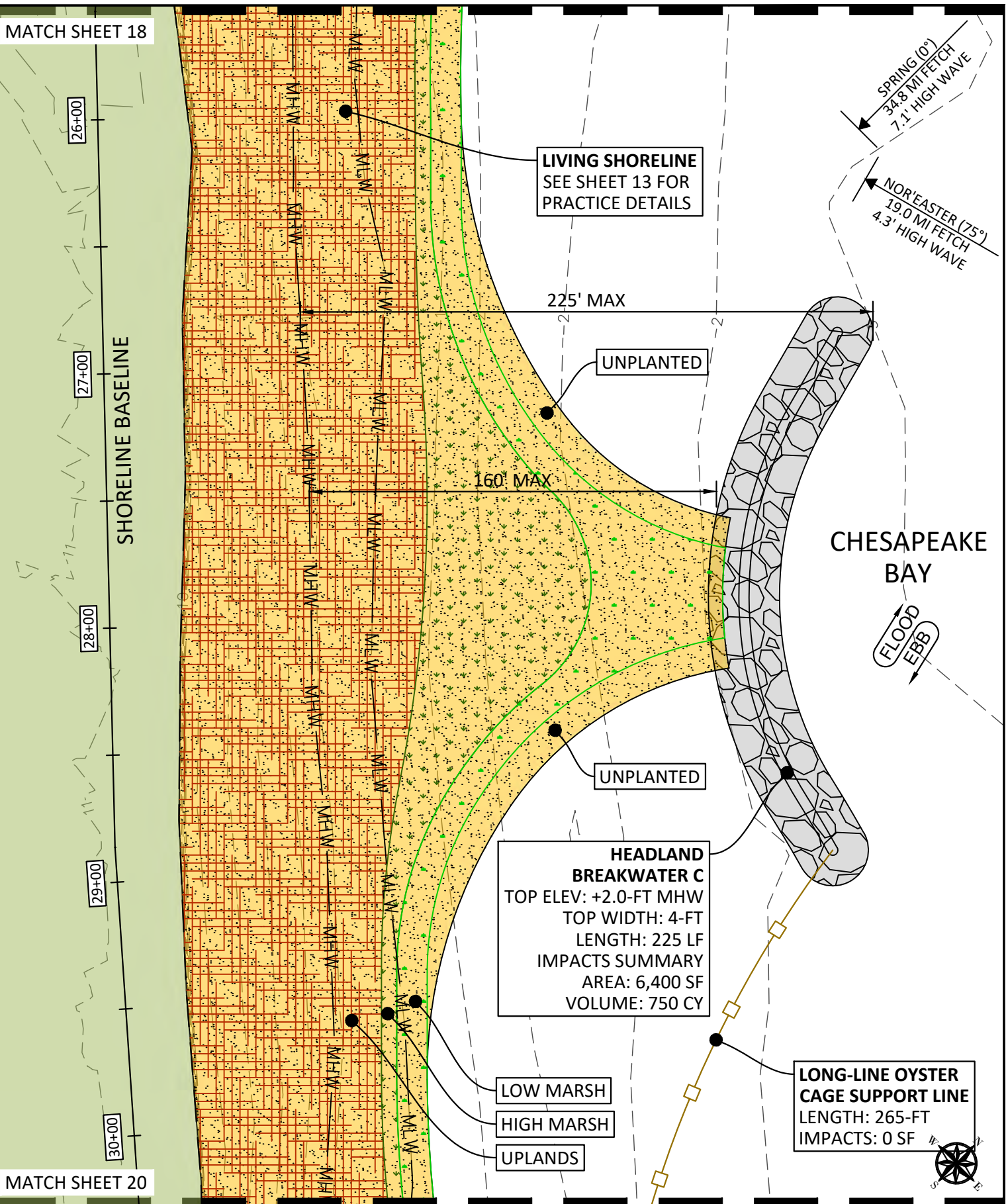
**PROPOSED  
 CONDITIONS**  
 SHEET 18 OF 25  
 SCALE: 1" = 50'

**CAMP WINSLOW  
 SHORELINE**  
 PREPARED FOR APPLICANT:  
 ST JEROMES CROSSROADS LLC  
 8312 WELLER AVE  
 MCLEAN, VA 22102

DATE	9/11/2025
SS PROJECT #	25005
SCALE	AS SHOWN
DESIGNED BY	SAM
DRAWN BY	SAM
CHECKED BY	FAM

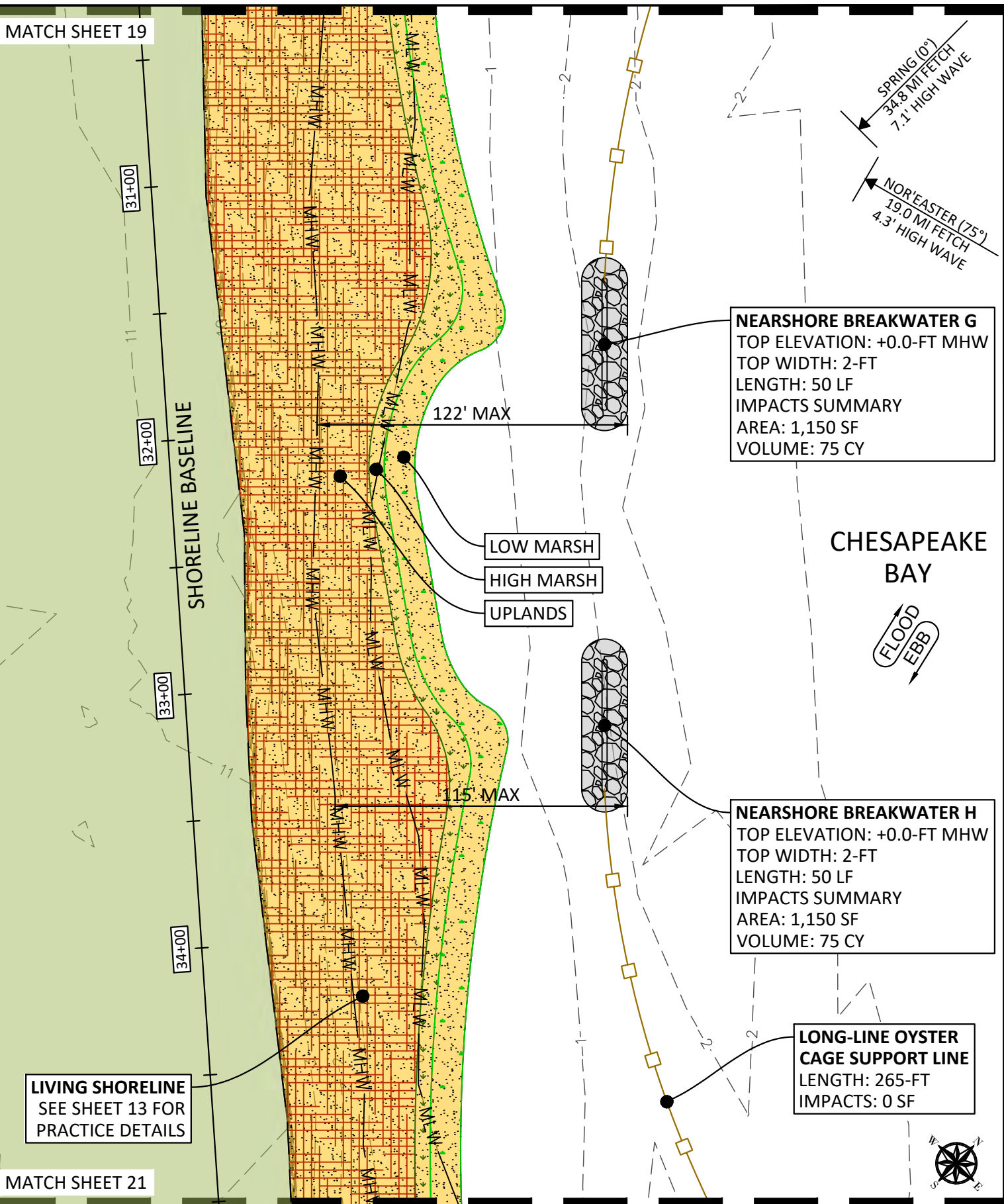
MATCH SHEET 18

MATCH SHEET 20



MATCH SHEET 19

MATCH SHEET 21



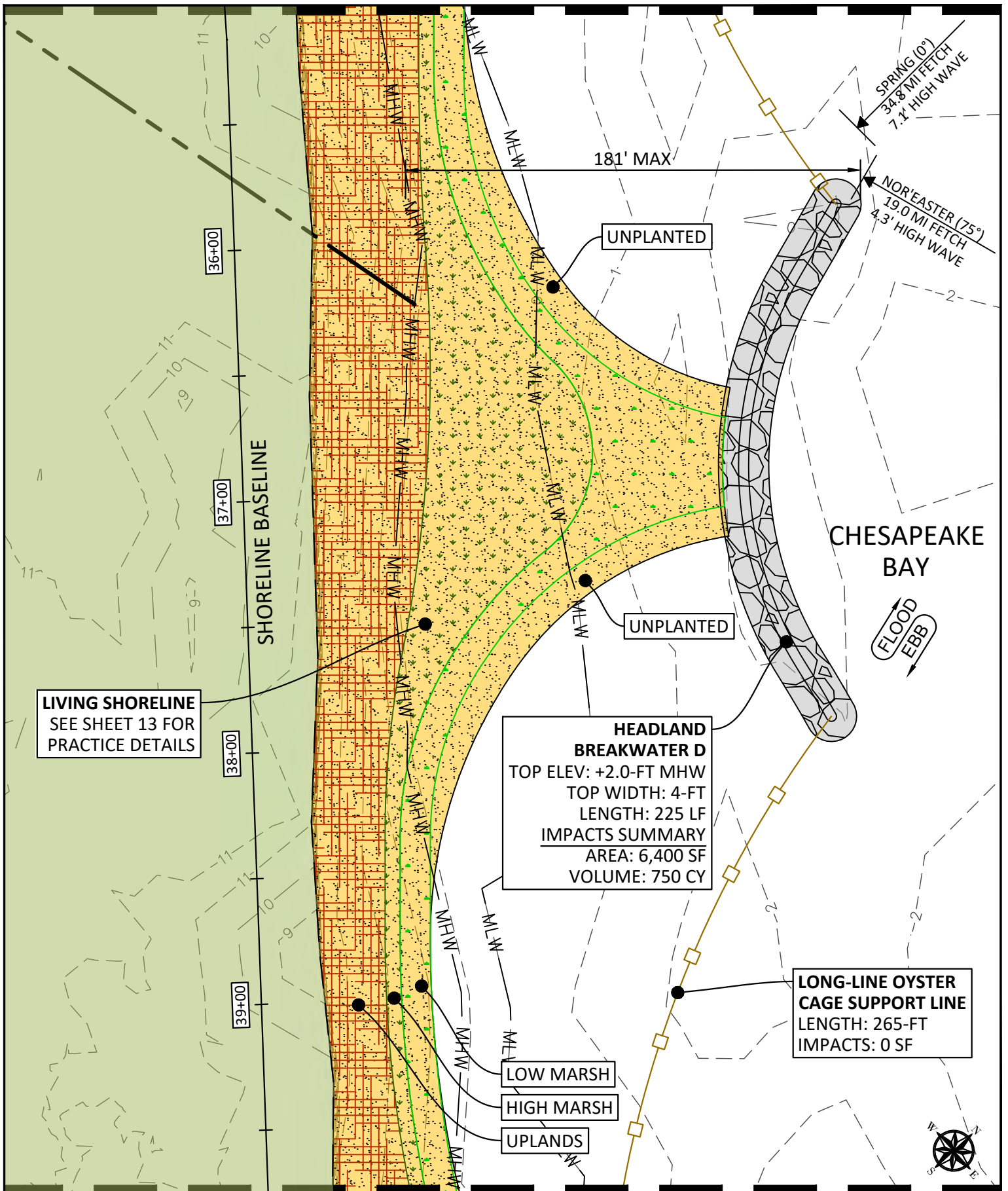
**LIVING SHORELINE**  
SEE SHEET 13 FOR  
PRACTICE DETAILS

**NEARSHORE BREAKWATER G**  
TOP ELEVATION: +0.0-FT MHW  
TOP WIDTH: 2-FT  
LENGTH: 50 LF  
IMPACTS SUMMARY  
AREA: 1,150 SF  
VOLUME: 75 CY

LOW MARSH  
HIGH MARSH  
UPLANDS

**NEARSHORE BREAKWATER H**  
TOP ELEVATION: +0.0-FT MHW  
TOP WIDTH: 2-FT  
LENGTH: 50 LF  
IMPACTS SUMMARY  
AREA: 1,150 SF  
VOLUME: 75 CY

**LONG-LINE OYSTER  
CAGE SUPPORT LINE**  
LENGTH: 265-FT  
IMPACTS: 0 SF



MATCH SHEET 21

**LIVING SHORELINE**  
SEE SHEET 13 FOR  
PRACTICE DETAILS

SHORELINE BASELINE

40+00

41+00

42+00

42+15

ROWANDA, TERESA ANN  
PO BOX 2  
DAMERON, MD 20628  
ACCOUNT #01031090

TROSSBACH JAMES  
WILLIAM  
PO BOX 26  
DAMERON, MD 20628  
ACCOUNT #01031082

UNPLANTED

**HEADLAND  
BREAKWATER E**  
TOP ELEV: +2.0-FT MHW  
TOP WIDTH: 3-FT  
LENGTH: 150 LF  
IMPACTS SUMMARY  
AREA: 2,300 SF  
VOLUME: 200 CY

72' MAX

UNPLANTED

LOW MARSH

HIGH MARSH

UPLANDS

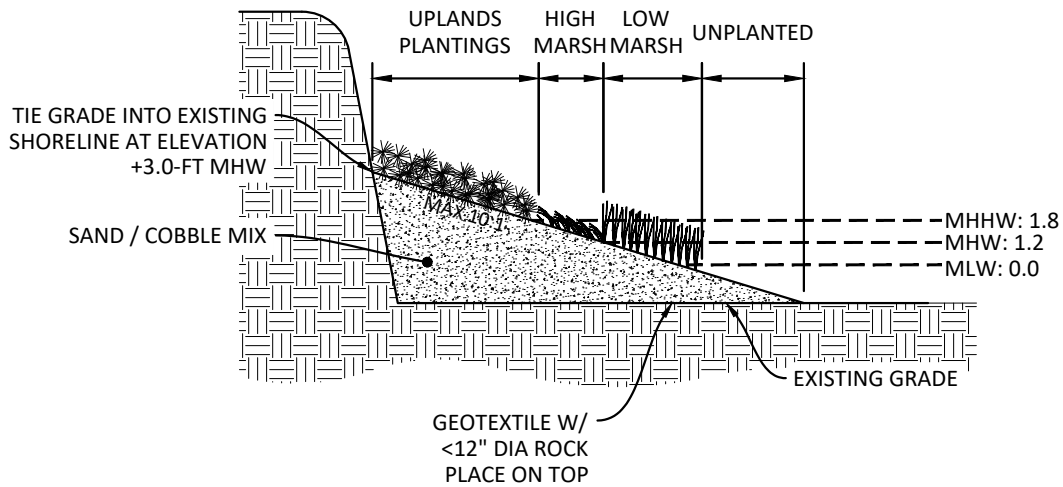
CHESAPEAKE  
BAY

FLOOD  
EBB

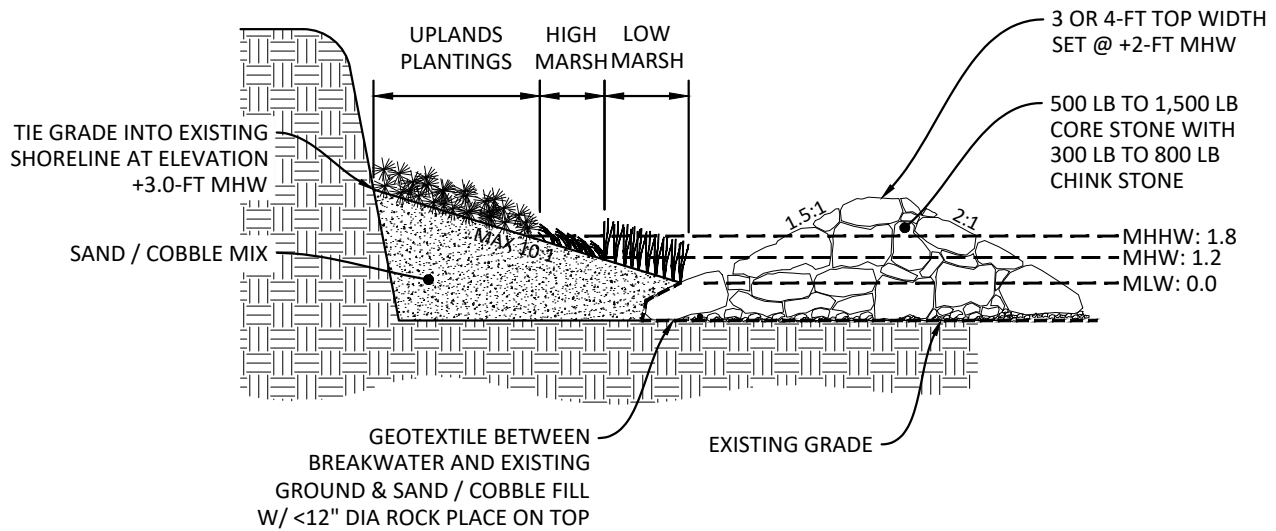
SPRING (0°)  
34.8 MI FETCH  
7.1' HIGH WAVE

NOR'EASTER (75°)  
19.0 MI FETCH  
4.3' HIGH WAVE

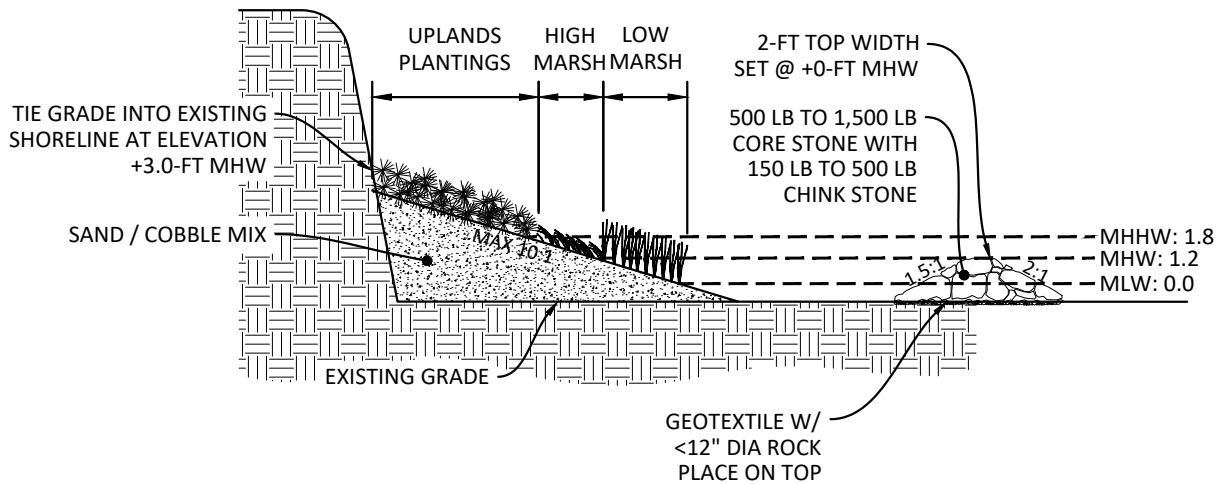




**LIVING SHORELINE**  
NOT TO SCALE

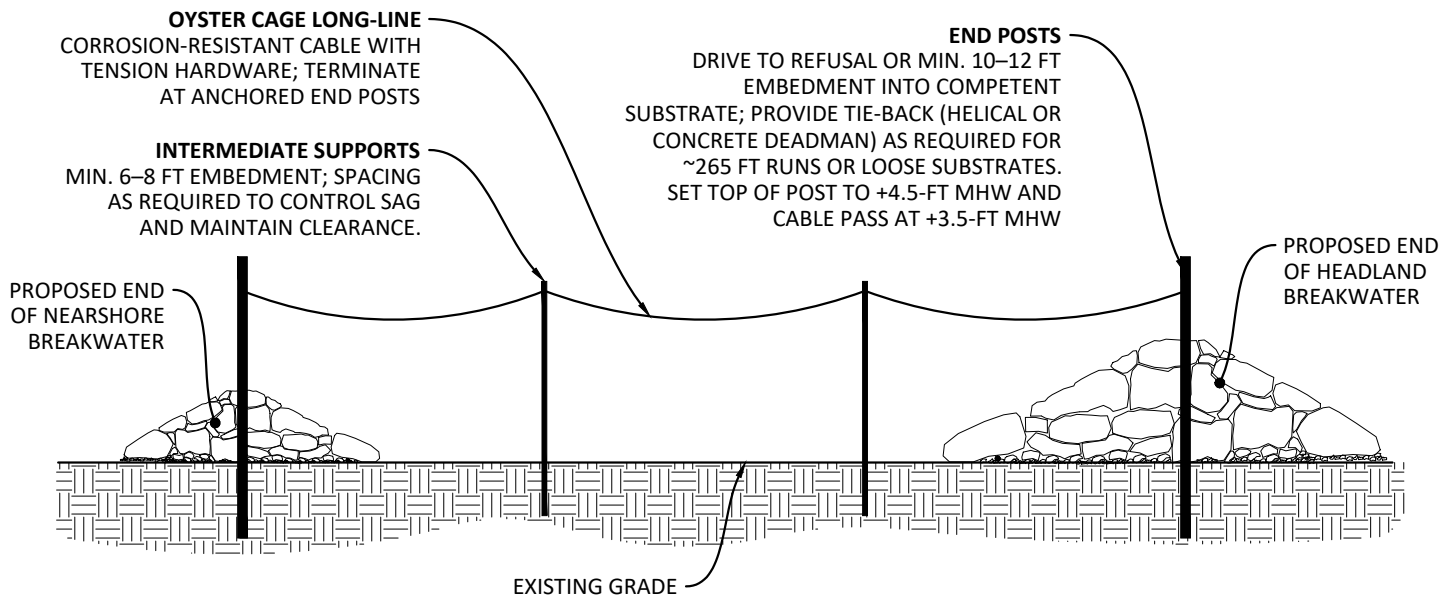


**HEADLAND BREAKWATER**  
NOT TO SCALE



## NEARSHORE BREAKWATER

NOT TO SCALE



## LONG-LINE OYSTER CAGE SUPPORT LINE

NOT TO SCALE

# PLANTING NOTES

1. PLUGS WILL BE OBTAINED FROM A STATE INSPECTED NURSERY FACILITY LOCATED WITHIN A 100-MILE RADIUS OF THE SITE.
2. SPARTINA PLUGS SHALL BE GROWN IN AN ENVIRONMENT THAT MIMICS THE EXPECTED SALINITY OF THE PROJECT SITE DURING THE SUMMER, APPROXIMATELY 12 TO 15 PPT.
3. PLANTS SHALL APPEAR HEALTHY WITH NO LEAF SPOTS, DAMAGE, DISCOLORATION, WILTING OR EVIDENCE OF INSECTS.
4. INDIVIDUAL PLANTS SHALL HAVE A ROBUST ROOT SYSTEM THAT OCCUPIES THE VOLUME OF ITS CONTAINER.
5. PLUGS SHALL HAVE STEM HEIGHTS OF AT LEAST 6 INCHES. ANY PROPOSED DEVIATIONS TO THE QUANTITY, SIZE OR SPECIES MUST BE PRE-APPROVED BY THE RESTORATION SPECIALIST PRIOR TO INSTALLATION.
6. PLANTING SHALL OCCUR BETWEEN MAY 1 AND AUGUST 31, NO SOONER THAN ONE WEEK AFTER PLACEMENT OF SAND.
7. PLANTING OF THE LOW MARSH ZONE SHALL OCCUR DURING LOW TIDE.
8. PLUGS SHALL BE INSTALLED WITH SLIGHT VARIATIONS IN SPACING TO ACHIEVE A NATURAL APPEARANCE.
9. UPON COMPLETION OF PLANTING, REMOVE LABELS, CONTAINERS AND OTHER DEBRIS FROM SITE.

## PLANTING SCHEDULES

<b>Zone 1 - Low Marsh</b>				
Herbaceous Plugs				
Qty	Scientific Name	Common Name	Condition	Spacing
29,210	<i>Spartina alterniflora</i>	Smooth cordgrass	Plug	18" O.C.
<i>To be placed between low and high tide elevations.</i>				

<b>Zone 2 - High Marsh</b>				
Herbaceous Plugs				
Qty	Scientific Name	Common Name	Condition	Spacing
25,620	<i>Spartina patens</i>	Saltmeadow cordgrass	Plug	18" O.C.
<i>To be placed above high tide elevation.</i>				

<b>Zone 3 - Uplands Plantings</b>				
Herbaceous Plugs				
Qty	Scientific Name	Common Name	Condition	Spacing
35,350	<i>Ammophila breviligulata</i>	American beachgrass	Plug	18" O.C.
35,350	<i>Panicum amarum</i>	Coastal panicgrass	Plug	18" O.C.
35,350	<i>Schizachyrium littorale</i>	Shore little bluestem	Plug	18" O.C.
<i>To be placed above MHHW, Elev. 1.8'</i>				



### PLANTING NOTES & SCHEDULES

SHEET 25 OF 25

### CAMP WINSLOW SHORELINE

PREPARED FOR APPLICANT:  
ST JEROMES CROSSROADS LLC  
8312 WELLER AVE  
MCLEAN, VA 22102

DATE 9/11/2025
SS PROJECT # 25005
SCALE AS SHOWN
DESIGNED BY SAM
DRAWN BY SAM
CHECKED BY FAM