



Maryland
Department of
the Environment

Wes Moore, Governor
Aruna Miller, Lt. Governor

Serena McIlwain, Secretary
Suzanne E. Dorsey, Deputy Secretary

July 09, 2024

Patuxent River Naval Air Station
c/o C. Scott Hardaway
PO Box 157
Achilles, VA 23001

Via email: scott@coastlinedesignpc.com

Re: Agency Interest Number: 147187
Tracking Number: 202360895
Tidal Authorization Number: 24-WQC-0005

Dear U.S. Navy, Patuxent Naval Air Station:

Your project did not qualify for approval under the Maryland State Programmatic General Permit (MDSPPG); therefore a separate review and issuance of the federal permit will be required by the U.S. Army Corps of Engineers. The federal permit is not attached.

Additionally, your project required a Wetlands License to be approved and issued by the Maryland Board of Public Works (BPW). The Wetlands License will be sent to you by BPW's Wetlands Administrator.

A project that does not qualify for approval under the MDSPPG requires an individual Water Quality Certification (WQC) to be issued by the Maryland Department of the Environment, which is attached. Please take a moment to read and review your WQC to ensure that you understand the limits of the authorized work and all of the general and special conditions.

You should not begin any work until you have obtained all necessary State, local, and federal authorizations. Please contact Justin Berezna at justin.berezna@maryland.gov or 410-537-3782 with any questions.

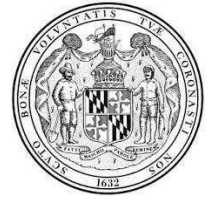
Sincerely,

Tammy Roberson

Tammy Roberson, Chief
Tidal Wetlands Division



STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION
WATER QUALITY CERTIFICATION



24-WQC-0005

EFFECTIVE DATE: **July 09, 2024**
CERTIFICATION HOLDER: **U.S. Navy, Patuxent Naval Air Station**
ADDRESS: **Attn: Lance McDaniel 22445 Peary Rd**
Patuxent River, MD 20670
PROJECT LOCATION: **Cedar Point Road**
Patuxent River, MD 20670

UNDER AUTHORITY OF SECTION 401 OF THE FEDERAL WATER POLLUTION CONTROL ACT AND ITS AMENDMENTS AND IN ACCORDANCE WITH § 9-313 THROUGH § 9-323, INCLUSIVE, OF THE ENVIRONMENT ARTICLE, ANNOTATED CODE OF MARYLAND, THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER AND SCIENCE ADMINISTRATION HAS DETERMINED THAT THE REGULATED ACTIVITIES DESCRIBED IN THE REQUEST FOR CERTIFICATION FOR THE PROPOSED U.S. Navy, Patuxent Naval Air Station AND AS DESCRIBED IN THE ATTACHED PLAN SHEETS DATED May 19, 2024 AND ANY SUBSEQUENT MODIFICATIONS APPROVED BY THE DEPARTMENT WILL NOT VIOLATE MARYLAND'S WATER QUALITY STANDARDS, IF CONDUCTED IN ACCORDANCE WITH THE CONDITIONS OF THIS CERTIFICATION.

THIS CERTIFICATION DOES NOT RELIEVE THE APPLICANT OF RESPONSIBILITY FOR OBTAINING ANY OTHER APPROVALS, LICENSES, OR PERMITS IN ACCORDANCE WITH FEDERAL, STATE, OR LOCAL REQUIREMENTS AND DOES NOT AUTHORIZE COMMENCEMENT OF THE PROPOSED PROJECT. A COPY OF THIS REQUIRED CERTIFICATION HAS BEEN SENT TO THE CORPS OF ENGINEERS. THE CERTIFICATION HOLDER SHALL COMPLY WITH THE CONDITIONS LISTED BELOW.

The Maryland Department of the Environment satisfied the statutory and regulatory public notice requirements by placing the WQC on Public Notice from January 15, 2024 to February 15, 2024 on Maryland Department of the Environment's Public Notice webpage and advertising in the Enterprise on February 5, 2024, 2024.

PROJECT DESCRIPTION

1) To fill, grade, and plant transitional marsh vegetation and nourish an existing beach by emplacing 42,200 square feet of transitional habitat, 10,872 cubic yards of sand, and a series of three breakwaters that will consist of the following; a 210-foot long by 30-foot wide stone breakwater; a 230-foot long by 29-foot wide stone breakwater; a 233-foot long by 32-foot wide stone breakwater, all extending a maximum of 165 feet channelward of the mean high water line; 2) To fill, grade, and plant marsh vegetation by emplacing 55,120 square feet of spartina alterniflora, 8,500 square feet transitional habitat, 6,017 cubic yards of sand and a series of six stone sills and two stone spurs that will consist of the following; a 140-foot long by 18-foot wide stone sill; a 145-foot long by 18-foot wide stone sill a 317-foot long by 18-foot wide stone sill; a 278-foot long by 18-foot wide stone sill; a 585-foot long by 21-foot wide stone sill; a 349-foot long by 22-foot wide stone sill and a 100-foot

long by 25-foot wide stone spur and a 250-foot long by 25-foot wide stone spur, all extending a maximum of 165 feet channelward of the mean high water line; 3) Emplace 1,130 feet of stone revetment within a maximum of 23 feet channelward of the mean high water line.

GENERAL CONDITIONS

1. All water quality-related performance standards and conditions required by the Department in any state issued authorization for activities in tidal wetlands, nontidal wetlands, their 100-year floodplains, nontidal wetlands buffers, or nontidal wetland expanded buffers to ensure that any discharges will not result in a failure to comply with water quality standards in COMAR 26.08.02 or any other water quality requirements of state law or regulation shall be met.
2. This Certification does not obviate the need to obtain required authorizations or approvals from other State, federal or local agencies as required by law.
3. All additional authorizations or approvals, including self-certifying General Permits issued by the Department, shall be obtained and all conditions shall be completed in compliance with such authorizations.
4. The proposed project shall be constructed in accordance with the approved final plan by the Department, or, if Department approval is not required, the plan approved by the U.S. Army Corps of Engineers, and its approved revisions.
5. All fill and construction materials not used in the project shall be removed and disposed of in a manner which will prevent their entry into waters of this State.
6. This Certification does not authorize any injury to private property, any invasion of rights, or any infringement of federal, state, or local laws or regulations.
7. Authorized representatives of the Department shall be provided access to the site of authorized activities during normal business hours to conduct inspections and evaluations of the operations and records necessary to assure compliance with this Certification.
8. No stockpiles of any material shall be placed in Waters of the U.S. or state or private tidal wetlands.
9. Temporary construction trailers or structures, staging areas and stockpiles shall not be located within tidal wetlands, nontidal wetlands, nontidal wetlands buffers, or the 100-year floodplain unless specifically included on the Approved Plan.
10. This Certification is valid for the project identified herein and the associated U.S. Army Corps of Engineers NAB-2023-60895, until such time as that federal approval expires or is not administratively extended.

SPECIAL CONDITIONS

1. All Critical Area requirements shall be followed and all necessary authorizations from the

Critical Area Commission ("Commission") shall be obtained. This Certification does not constitute authorization for disturbance in the 100-foot Critical Area Buffer. "Disturbance" in the Buffer means clearing, grading, construction activities, or removal of any size of tree vegetation. Any anticipated Buffer disturbance requires prior written approval, before commencement of land disturbing activity, from local jurisdiction in the form of a Buffer Management Plan.

2. All work performed under this Water Quality Certificate shall be conducted by a marine contractor licensed by the Marine Contractors Licensing Board (MCLB) in accordance with Title 17 of the Environment Article of Annotated Code of Maryland. Licensing by MCLB shall occur prior to the beginning of construction activities. A list of licensed marine contractors may be obtained by contacting the MCLB at 410-537-3249, by e-mail at MDE.MCLB@maryland.gov or by accessing the Maryland Department of the Environment, Environmental Boards webpage.
3. The issuance of this Certificate is not a validation or authorization by the Department for any of the existing structures depicted on the plan sheets on the subject property that is not part of the authorized work description, nor does it relieve the Certificate Holder of the obligation to resolve any existing noncompliant structures and activities within tidal wetlands.
4. The Certificate Holder shall construct the marsh establishment area in accordance with the following conditions:
 - a. The Certificate Holder shall use clean substrate fill material, no more than 10% of which shall pass through a standard number 100 sieve.
 - b. The marsh establishment area shall be planted within one year following completion of the filling operation.
 - c. The marsh establishment project shall be maintained as a wetland, with non-nuisance species' aerial coverage of at least 85% for three consecutive years. If 85% coverage is not attained, the reasons for failure shall be determined, corrective measures shall be taken, and the area shall be replanted.
 - d. If the fill is graded hydraulically, the Certificate Holder shall use a turbidity curtain around the perimeter of the instream work.
 - e. If the existing bank is to be cleared or graded:
 - i. The Certificate Holder shall perform all work under and in accordance with an approved Soil Erosion and Sediment Control Plan from the applicable sediment and erosion control agency; and
 - ii. The Certificate Holder shall perform all work under and in accordance with the Critical Area requirements of the local jurisdiction in the form of an approved Buffer Management Plan.
5. The Certificate Holder shall follow the requirements of the marsh maintenance plan as required by Wetlands License 23-WL-0564 and any subsequent modifications.
6. The Certificate Holder shall design and construct the stone revetment to prevent the loss of fill material to waters of the State of Maryland.
7. The Certificate Holder shall not use asphalt rubble in the revetment. Filter cloth shall be placed between the riprap and the soil. Prior to emplacement of the revetment, all re bar is to be cut off flush with the concrete. After emplacement of the revetment, any re bar exposed as a result of the concrete breaking during the emplacement is to be cut flush with the concrete. Except for the larger material placed

along the leading edge of the revetment, the concrete shall be broken prior to emplacement so that random sized interlocking pieces are formed.

CITATIONS AND STATEMENTS OF NECESSITY

1. Statement of Necessity for General Conditions 1, 2, 3, 4, and Special Conditions 1, 3, 4, 6, 7: These conditions are necessary to ensure that water quality standards are met, and designated uses are maintained.

Citations: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article,

Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.10G(3); COMAR 26.23.02.06; COMAR 26.17.01; COMAR 26.23; COMAR 26.24

2. Statement of Necessity for General Conditions 5, 8, 9 and Special Conditions 4, 5, 6, 7: Fill or construction material within or adjacent to regulated resources may cause discharges resulting in turbidity in excess of water quality standards and interfere with designated uses of growth and propagation of fish, other aquatic life, wildlife; and other designated uses; and fail to meet general water quality criteria that waters not be polluted by substances in amounts sufficient to be unsightly or create a nuisance.

Citation: 26.08.02.03B(1)-B(2); COMAR 26.23; COMAR 26.24; COMAR 26.17.04

3. Statement of Necessity for General Condition 6: This condition is necessary to clarify the scope of this certification to ensure compliance with water quality regulations, without limiting restrictions through other requirements.

Citation: Federal and state laws which authorize this condition include but are not limited to: 33U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08, COMAR 26.08.02.10E; COMAR 26.23.02.06; COMAR 26.17.04; COMAR 26.23; COMAR 26.24

4. Statement of Necessity for General Condition 7: Conditions of certification involve precise actions to comply with water quality standards. Site inspection may be necessary to ensure that limits, methods, and other requirements are met to ensure that water quality standards are met and designated uses are maintained. These conditions are necessary to ensure that the activity was conducted, and project completed according to terms of the authorization/certification, while allowing for review of in-field modifications which may have resulted in discharges to ensure that water quality standards were met. Designated uses include support of estuarine and marine aquatic life and shellfish harvesting and for growth and propagation of fish, other aquatic life, and wildlife.

Citation: Federal and state laws that authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR

26.08.02.03B(1)(b); COMAR 26.08.02.03B(2); COMAR 26.23.02.06; COMAR 26.23;
COMAR26.24; COMAR 26.17.04

5. Statement of Necessity for General Condition 10: This condition is necessary to qualify the period of applicability of the terms and conditions of this Certification to be protective of Maryland water quality standards.

Citations: Federal and state laws which authorize this condition include but are not limited to: 33

U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; 40 C.F.R. 121, 15 C.F.R. 930,

Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.17.04; COMAR 26.23; COMAR 26.24

6. Statement of Necessity for Special Condition 2: Expertise for conducting certain activities is required to ensure that there is no violation of water quality standards nor interference with designated uses. This condition is necessary to ensure that discharges will be conducted in a manner which does not violate water quality criteria nor interfere with designated uses.

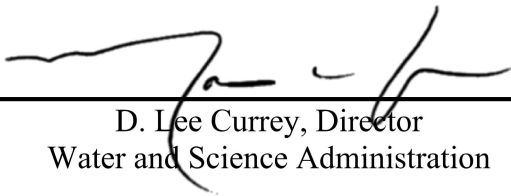
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7. Statement of Necessity for Special Conditions 4, 5: Stabilization of the site with vegetation is required to ensure that waters continue to meet designated uses. Loss of substrate fill material may result in discharges which reduce water quality and interfere with designated uses, including the support of estuarine and marine aquatic life, and the protection of shellfish harvesting, shallow water submerged aquatic vegetation, and migratory fish spawning and nurseries in tidal wetlands. Loss limits will maintain the designated use.

Citation: 1) COMAR 26.08.02.02.B.(3) 2) COMAR 26.08.02.03-3.C.(2)d.(5); 33 U.S.C. § 1341(a),

(b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.24

CERTIFICATION APPROVED



D. Lee Currey, Director
Water and Science Administration

7/11/2024

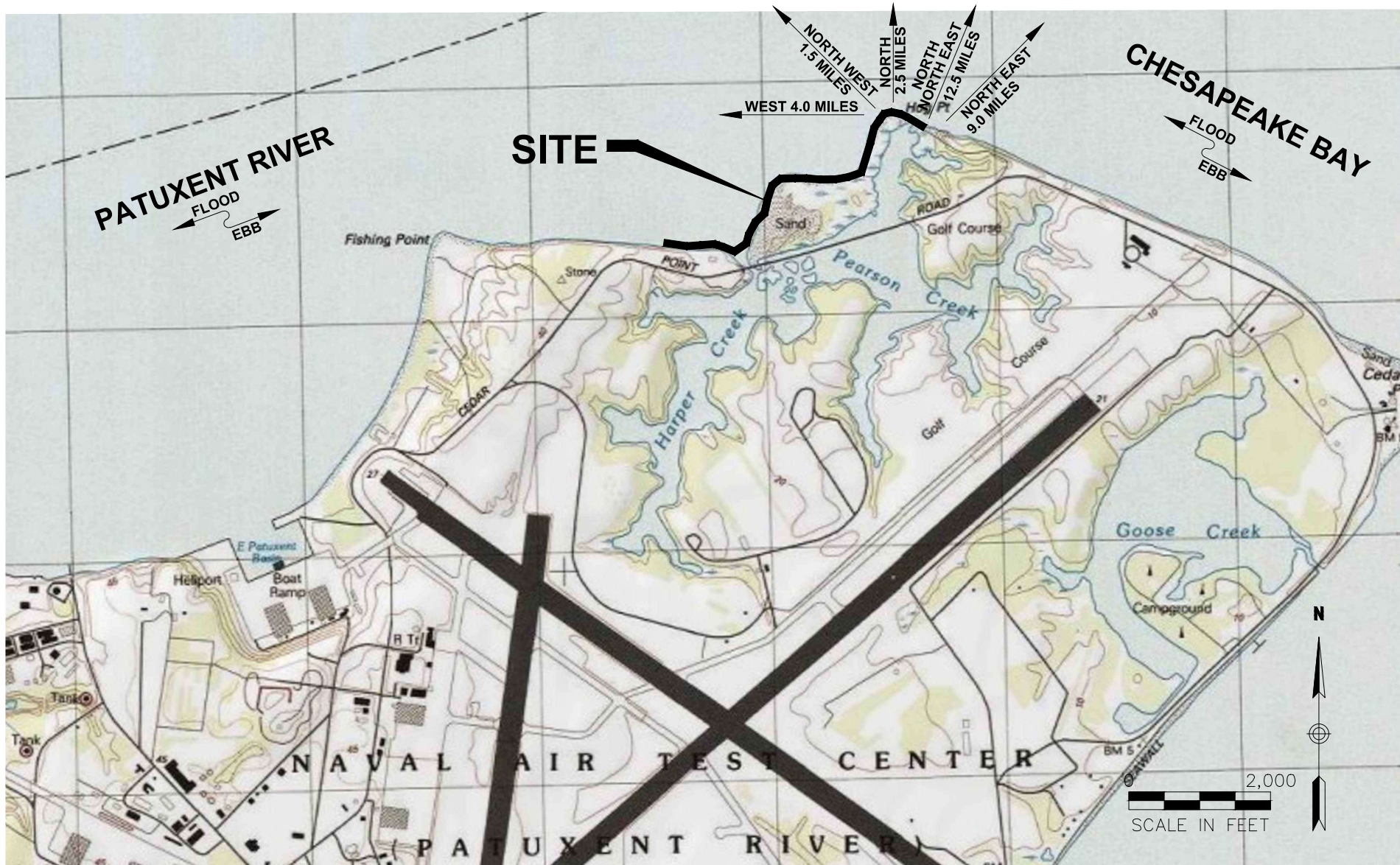
Date

Tracking Number: 202360895
Agency Interest Number: 147187

Effective Date: July 09, 2024

Enclosure: Plan Sheets dated May 19, 2024

cc: WSA Inspection & Compliance Program
Army Corps of Engineers



COASTLINE DESIGN, P.C.


 P.O. BOX 157
 ACHILLES, VIRGINIA 23001
 (804) 642-2158

ADJACENT PROPERTY OWNERS:

N/A

DATUM: MEAN LOW WATER

HOG POINT SHORELINE STABILIZATION

COVER SHEET

AT: NAVAL AIR STATION PATUXENT RIVER

IN: ST. MARY'S COUNTY, MARYLAND

PURPOSE: SHORELINE STABILIZATION

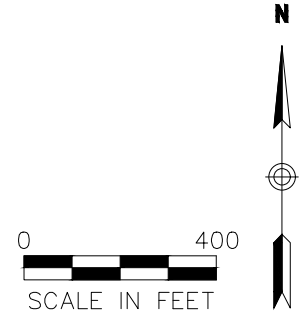
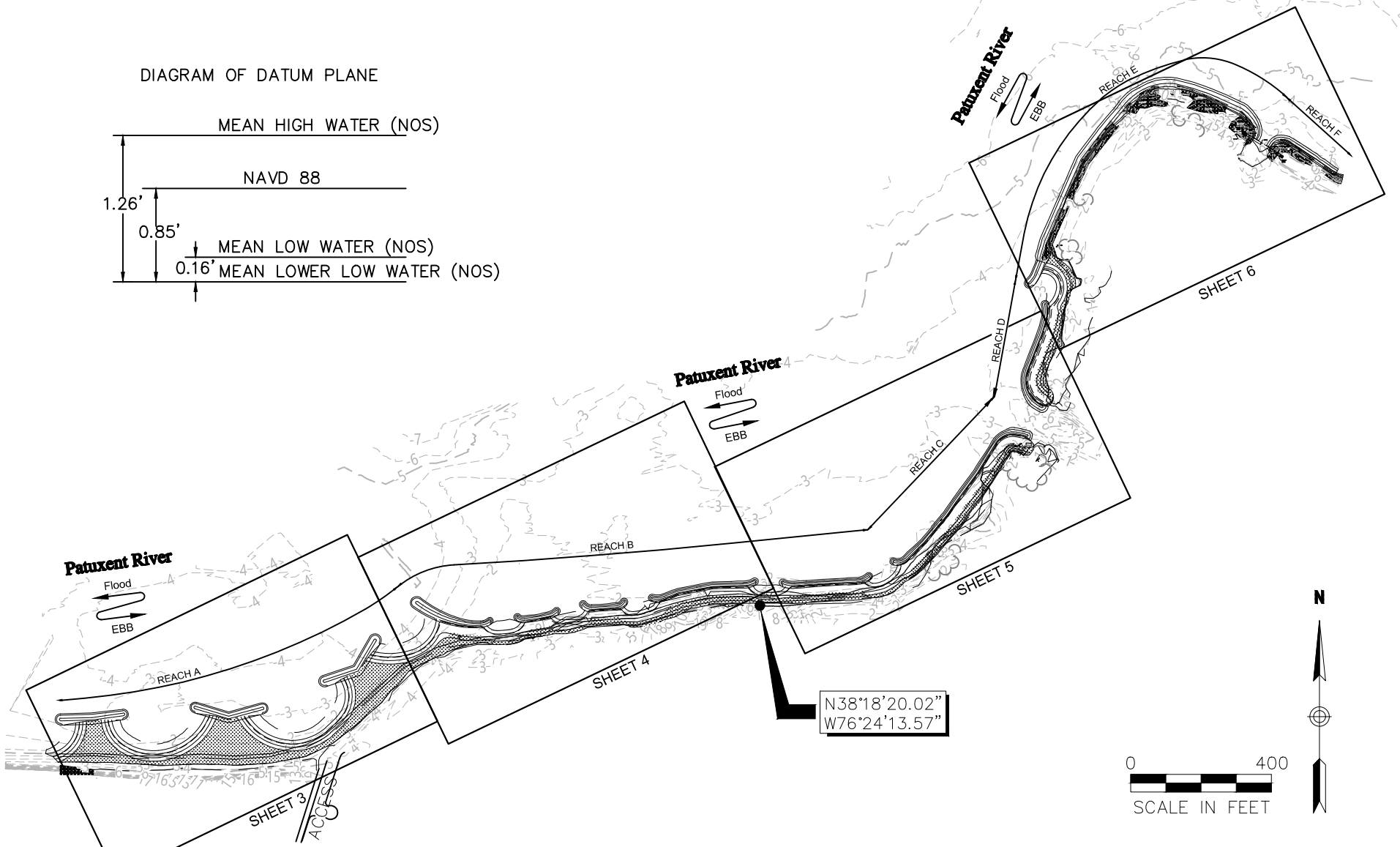
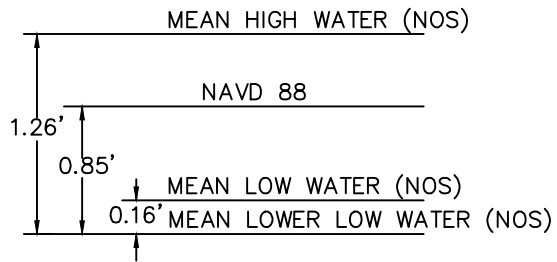
202360895
 24-WQC-0005

APPLICATION BY:
U.S. NAVY

DATE: MAY 19, 2024

SHEET 1 OF 13

DIAGRAM OF DATUM PLANE



COASTLINE DESIGN, P.C.


 P.O. BOX 157
 ACHILLES, VIRGINIA 23001
 (804) 642-2158

ADJACENT PROPERTY OWNERS:

N/A

DATUM: MEAN LOW WATER

HOG POINT SHORELINE STABILIZATION

SHEET INDEX

AT: NAVAL AIR STATION PATUXENT RIVER

IN: St. MARY'S COUNTY, MARYLAND

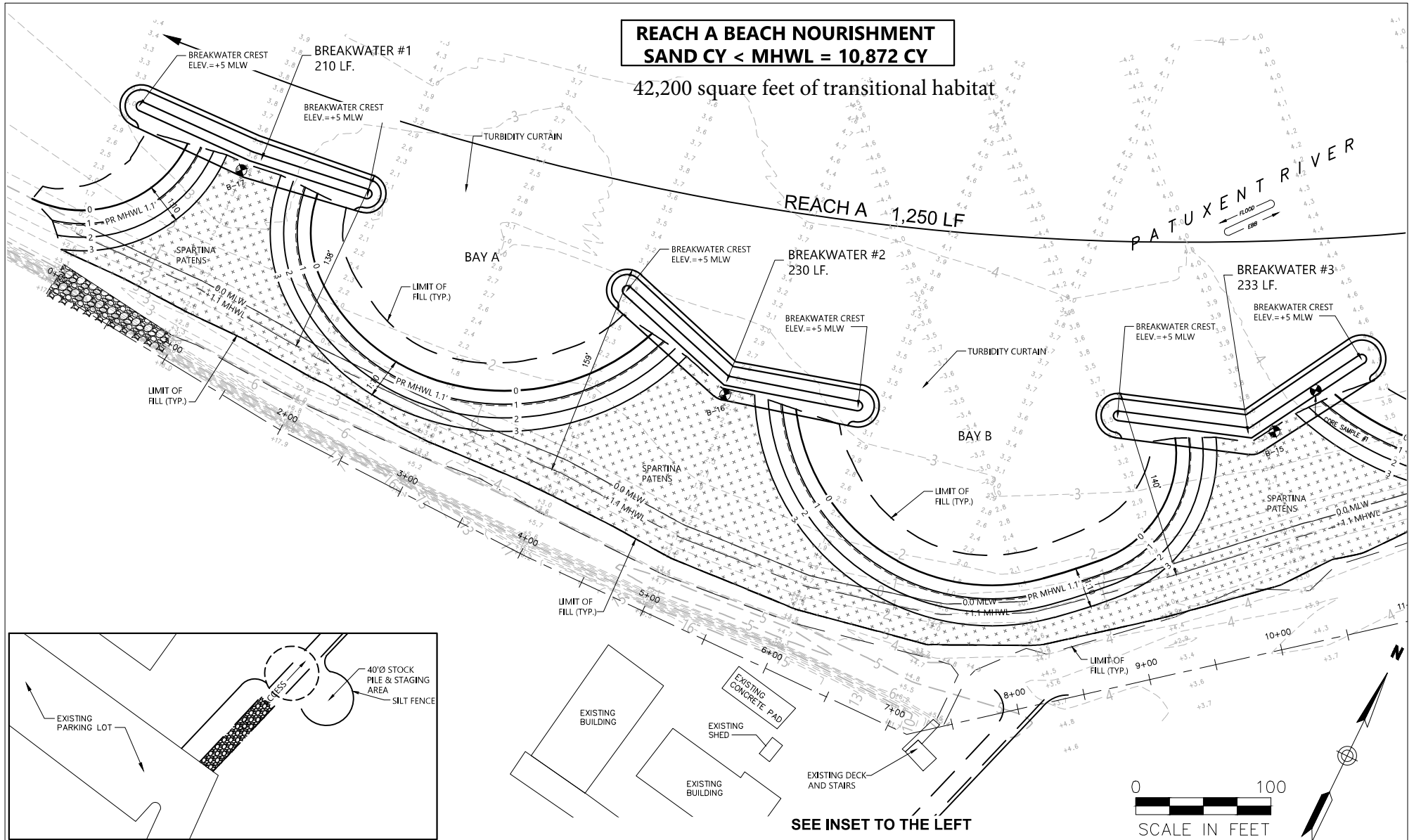
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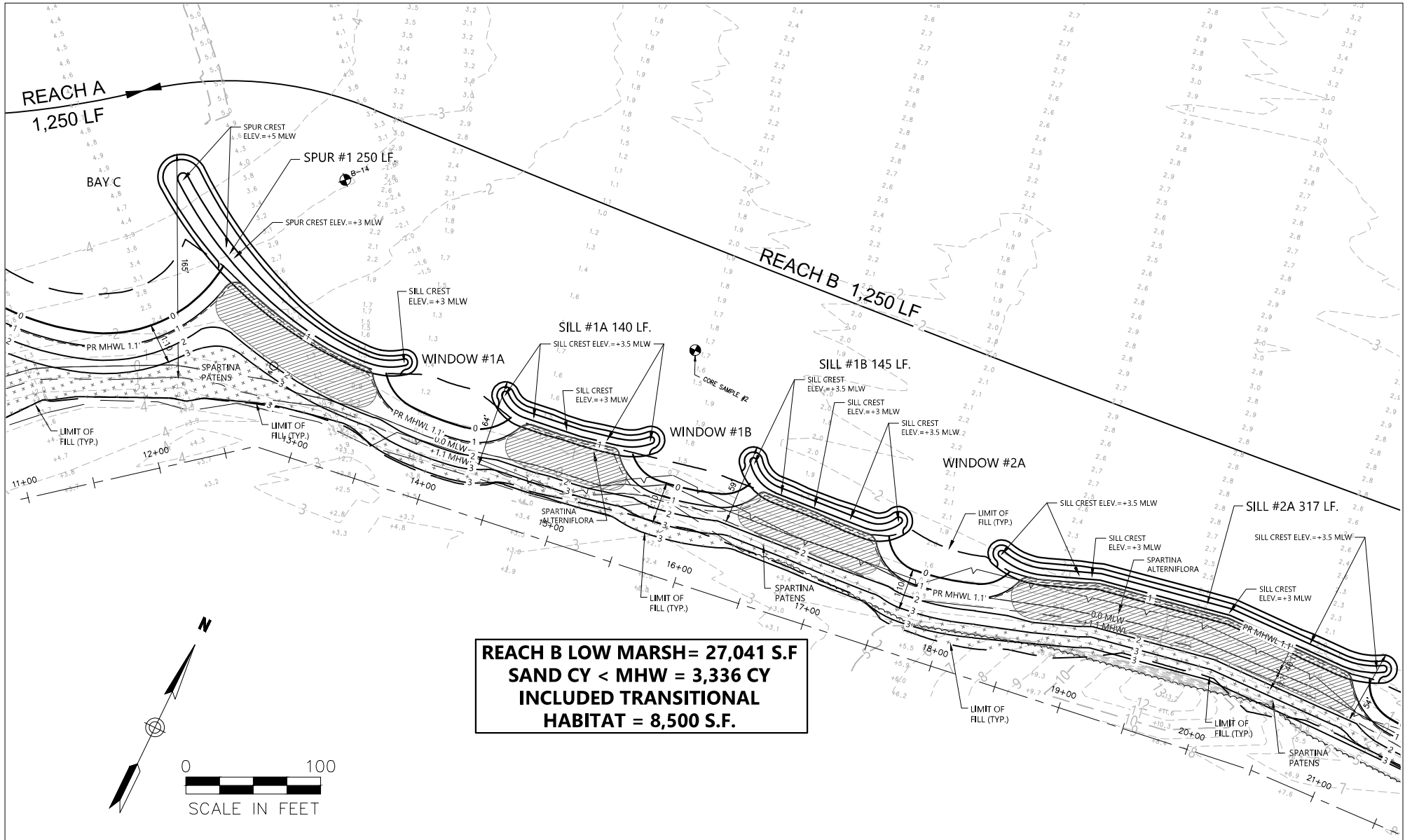
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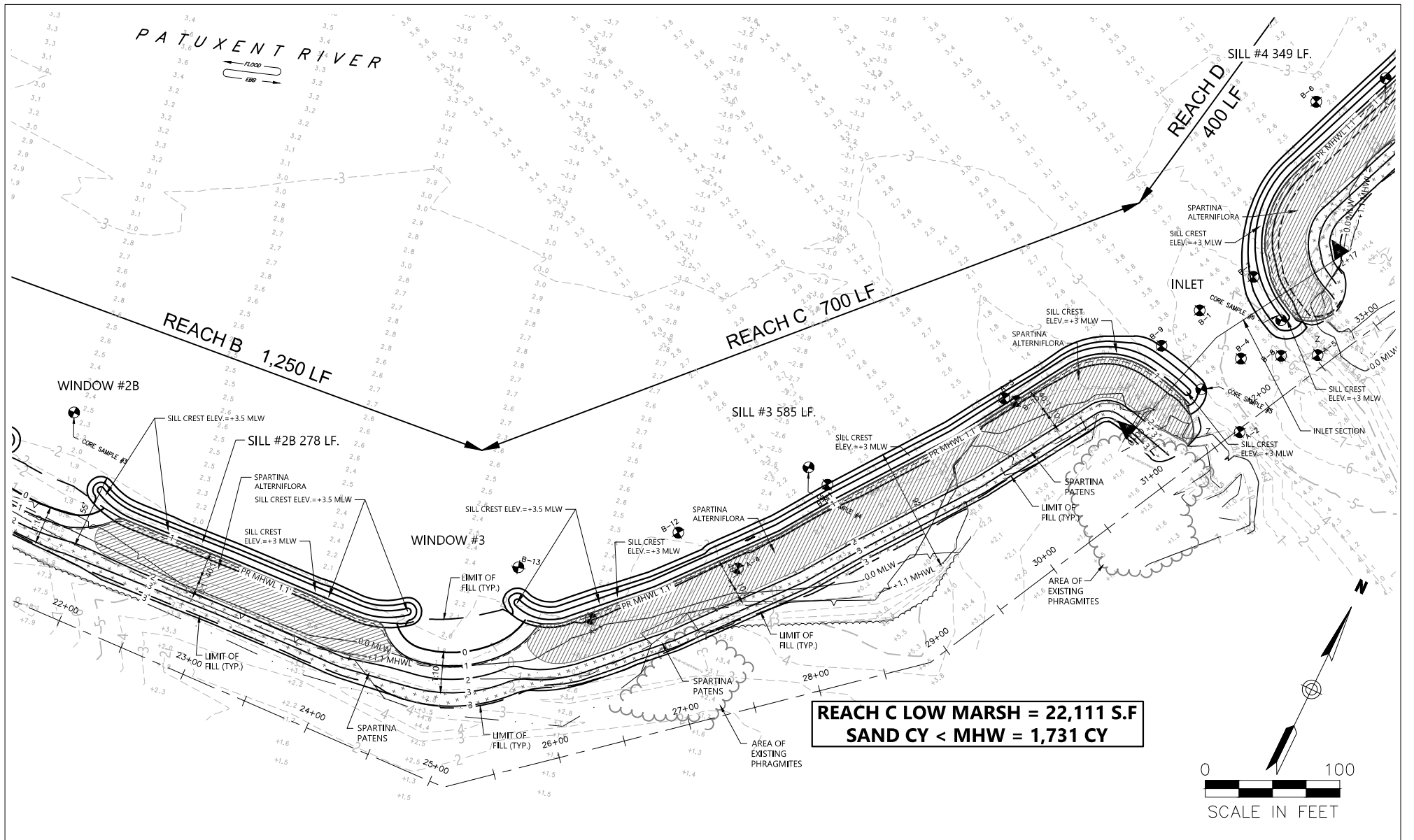
SHEET 2 OF 13




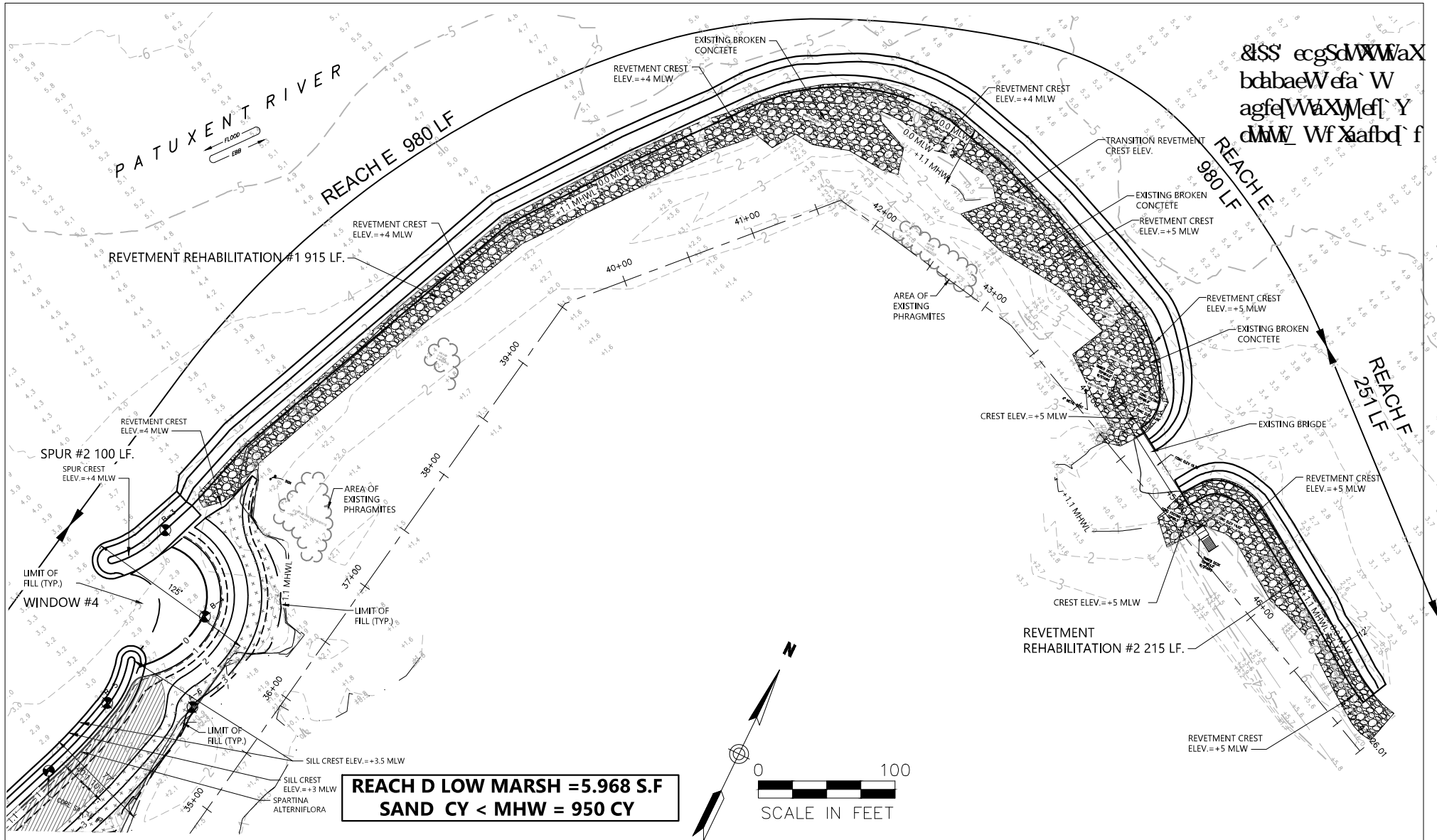
COASTLINE DESIGN, P.C.  P.O. BOX 157 ACHILLES, VIRGINIA 23001 (804) 642-2158	ADJACENT PROPERTY OWNERS: N/A	HOG POINT SHORELINE STABILIZATION SHORELINE LAYOUT		202360895 24-WQC-0005	APPLICATION BY: U.S. NAVY
	DATUM: MEAN LOW WATER	AT: NAVAL AIR STATION PATUXENT RIVER IN: St. MARY'S COUNTY, MARYLAND	PURPOSE: SHORELINE STABILIZATION		DATE: MAY 19, 2024



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					SHEET 4 OF 13



COASTLINE DESIGN, P.C.  P.O. BOX 157 ACHILLES, VIRGINIA 23001 (804) 642-2158	ADJACENT PROPERTY OWNERS: N/A	HOG POINT SHORELINE STABILIZATION SHORELINE LAYOUT		202360895 24-WQC-0005	APPLICATION BY: U.S. NAVY
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					SHEET 5 OF 13



COASTLINE DESIGN, P.C.

P.O. BOX 157
 ACHILLES, VIRGINIA 23001
 (804) 642-2158

ADJACENT PROPERTY OWNERS:
 N/A

DATUM: MEAN LOW WATER

HOG POINT SHORELINE STABILIZATION
SHORELINE LAYOUT

AT: NAVAL AIR STATION PATUXENT RIVER
IN: St. MARY'S COUNTY, MARYLAND

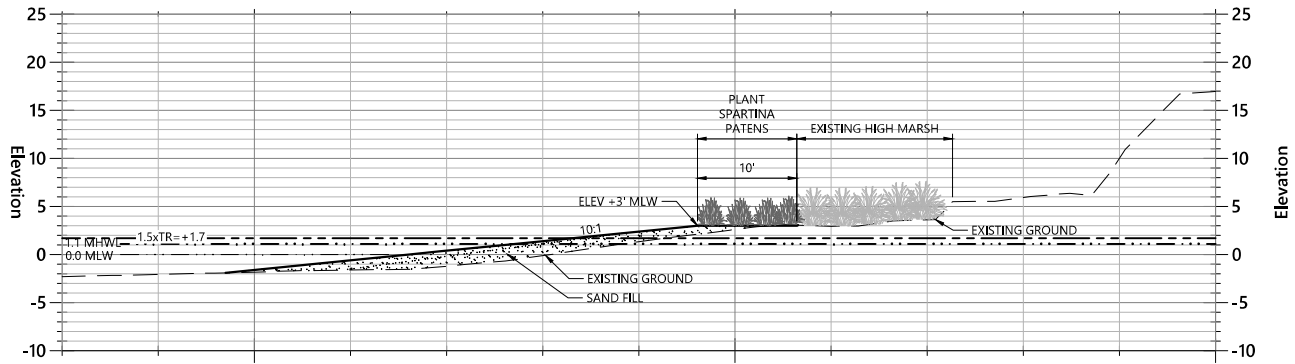
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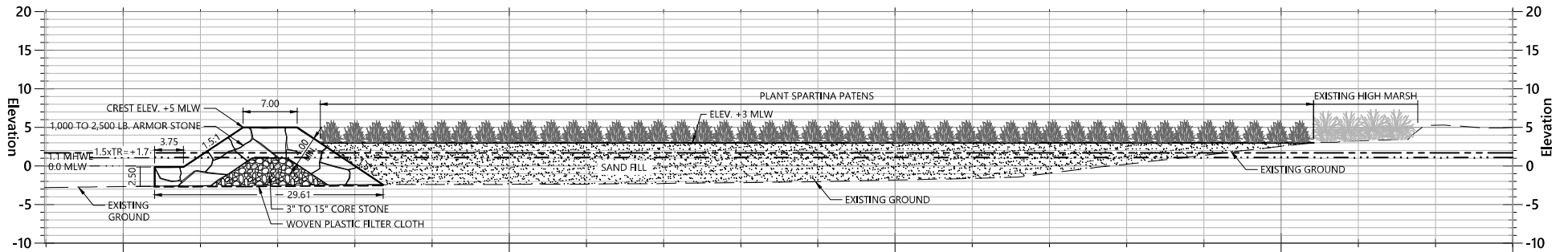
DATE: MAY 19, 2024

SHEET 6 OF 13



Typical Beach - Reach A

Scale: 1"=20'



Typical Tombolo - Reach A

Scale: 1"=20'



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N/A

DATUM: MEAN LOW WATER

HOG POINT SHORELINE STABILIZATION

SECTIONS

AT: NAVAL AIR STATION PATUXENT RIVER

IN: St. MARY'S COUNTY, MARYLAND

202360895

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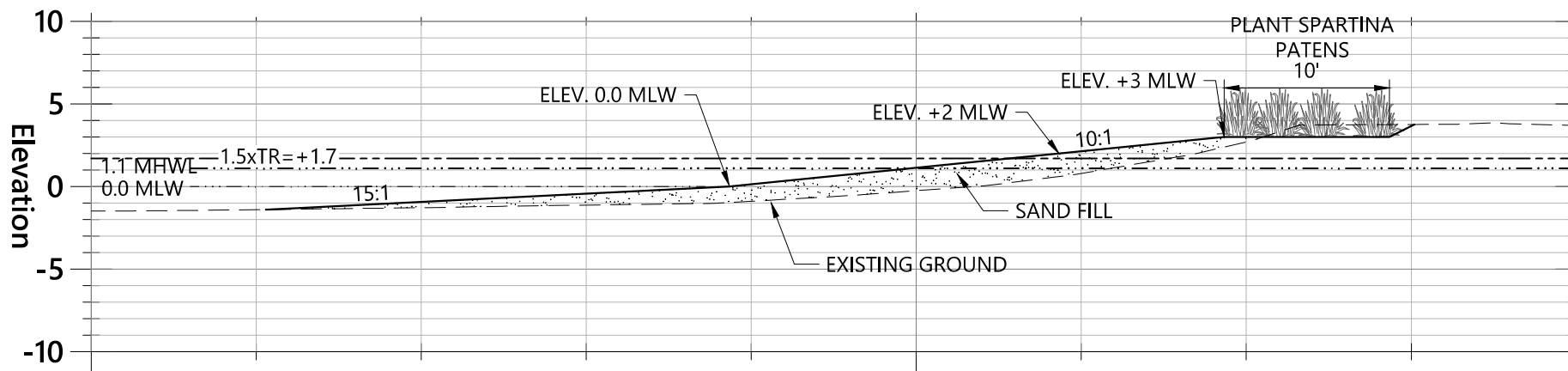
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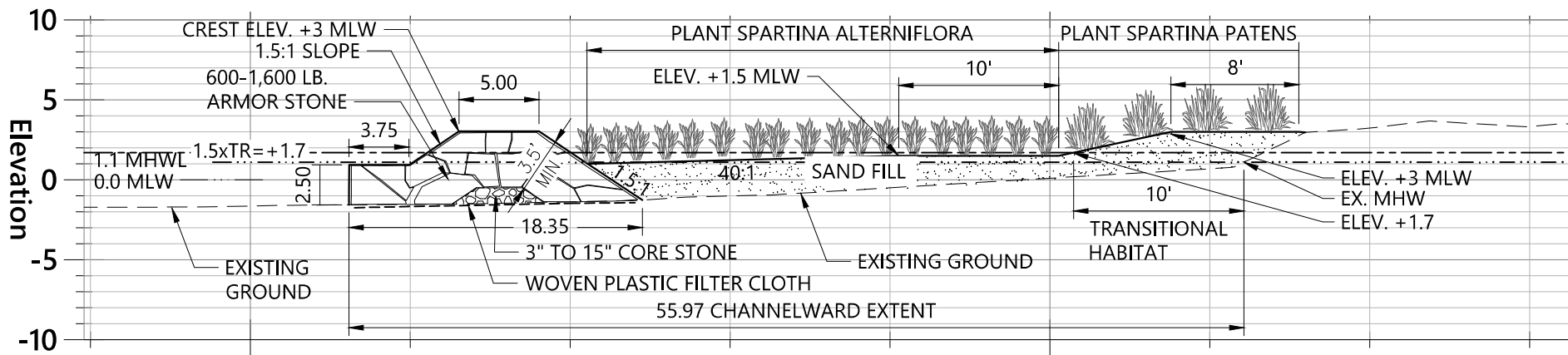
DATE: MAY 19, 2024

SHEET 7 OF 13



Typical Window Beach Section

Scale: 1"=10'

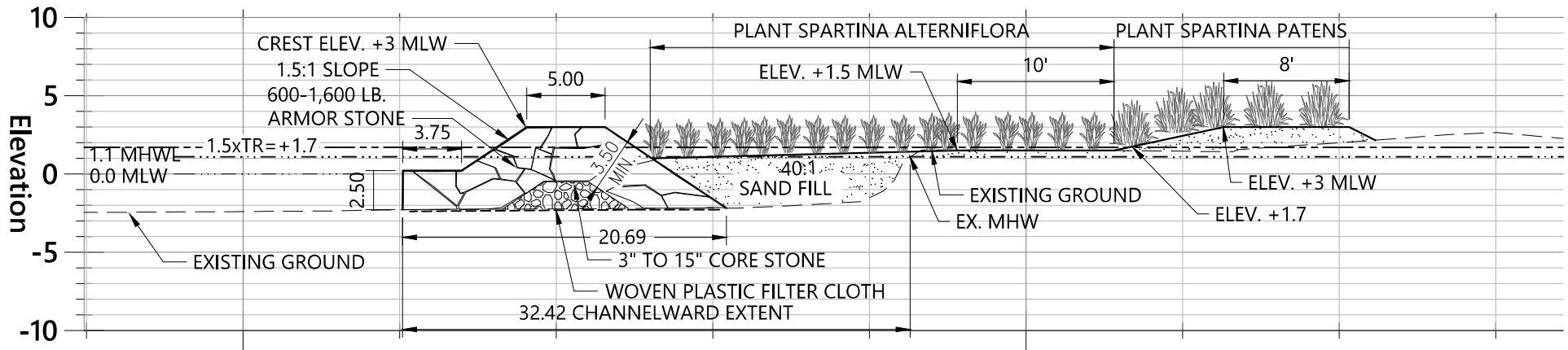


Typical Sill Detail - Sta. 14+50 to 24+50 - Reach B

Scale: 1"=10'

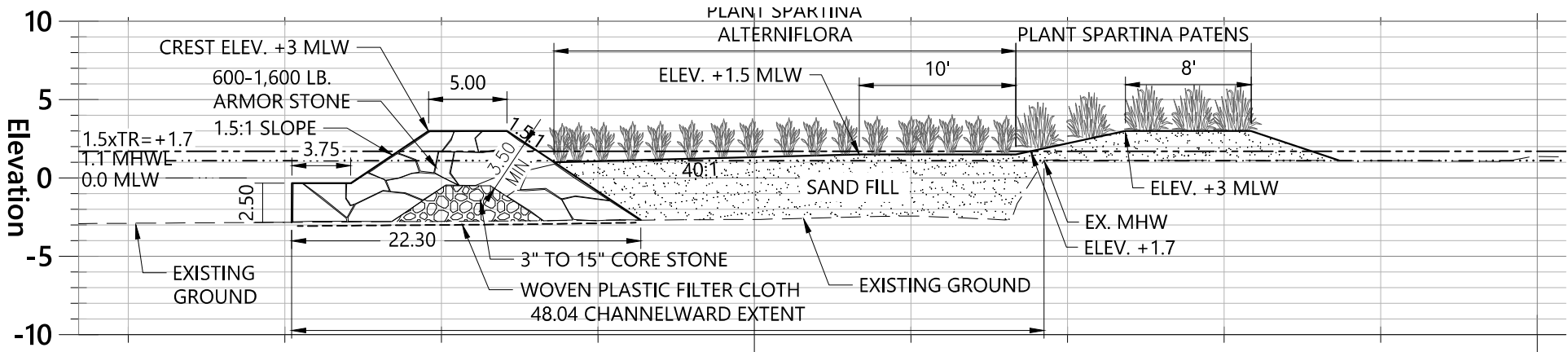


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	DATUM: MEAN LOW WATER	SECTIONS		PURPOSE: SHORELINE STABILIZATION	DATE: MAY 19, 2024
		AT: NAVAL AIR STATION PATUXENT RIVER IN: St. MARY'S COUNTY, MARYLAND			SHEET 8 OF 13



Typical Sill Detail - Sta. 24+50 to 31+50 - Reach C

Scale: 1"=10'



Typical Sill Detail - Sta. 32+50 to 35+50 - Reach D

Scale: 1"=10'



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ADJACENT PROPERTY OWNERS:

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DATUM: MEAN LOW WATER

HOG POINT SHORELINE STABILIZATION

SECTIONS

AT: NAVAL AIR STATION PATUXENT RIVER

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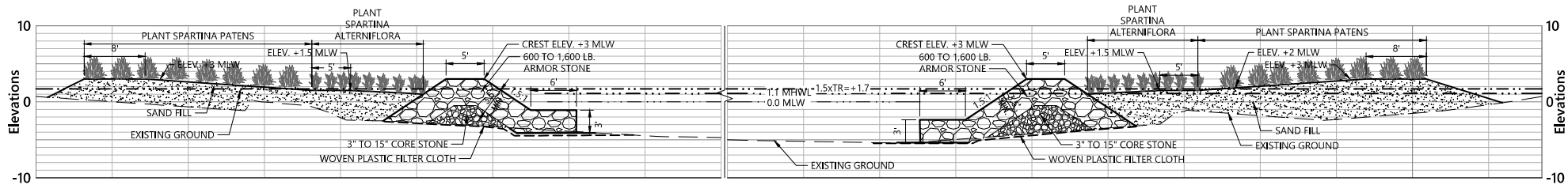
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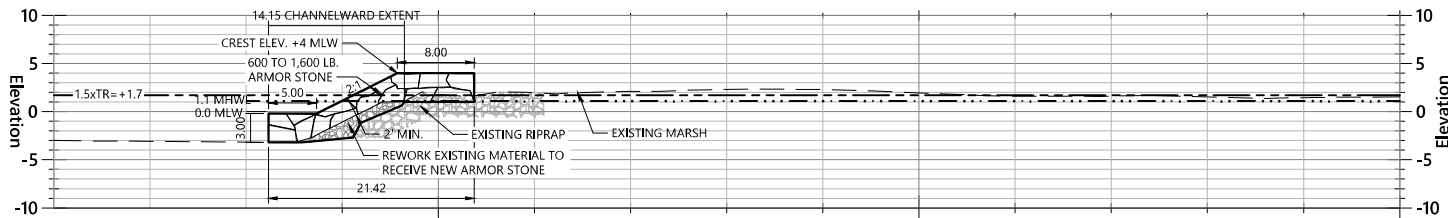
DATE: MAY 19, 2024

SHEET 9 OF 13



Inlet Section Detail

Scale: 1"=20'



Typical Revetment Detail - Sta. 36+75 to 41+50

Scale: 1"=20'



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HOG POINT SHORELINE STABILIZATION

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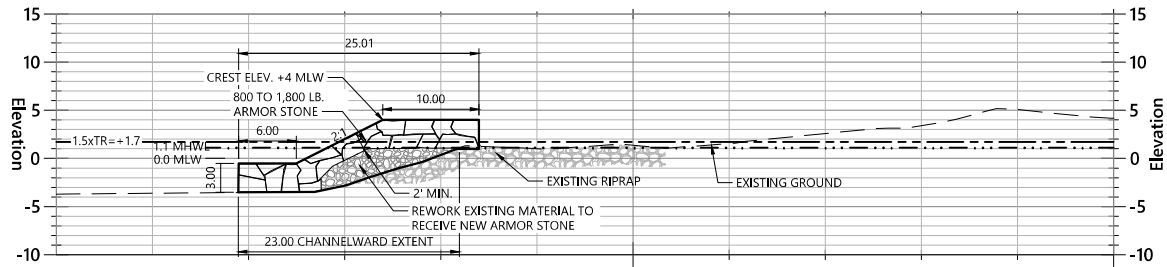
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U.S. NAVY

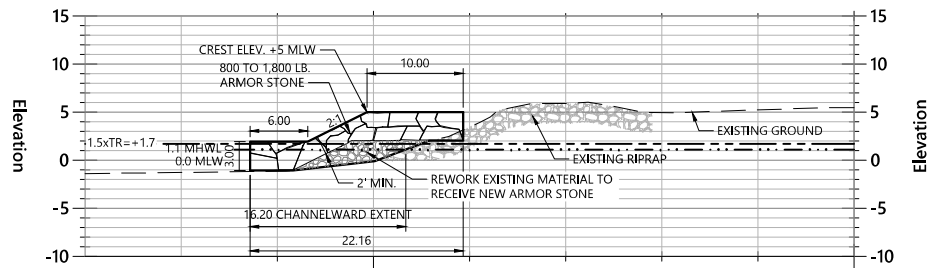
DATE: MAY 19, 2024

SHEET 10 OF 13



Typical Revetment Detail - Sta. 41+50 to 44+25

Scale: 1"=20'



Typical Revetment Detail - Sta. 45+00 to 47+00

Scale: 1"=20'



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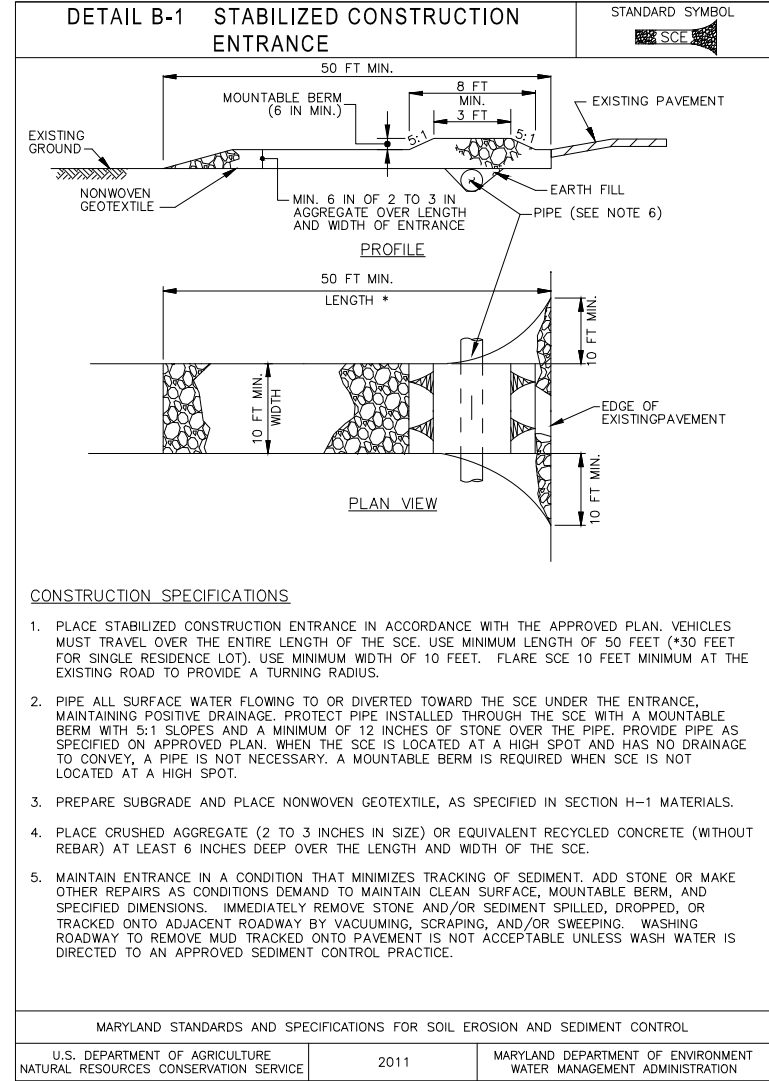
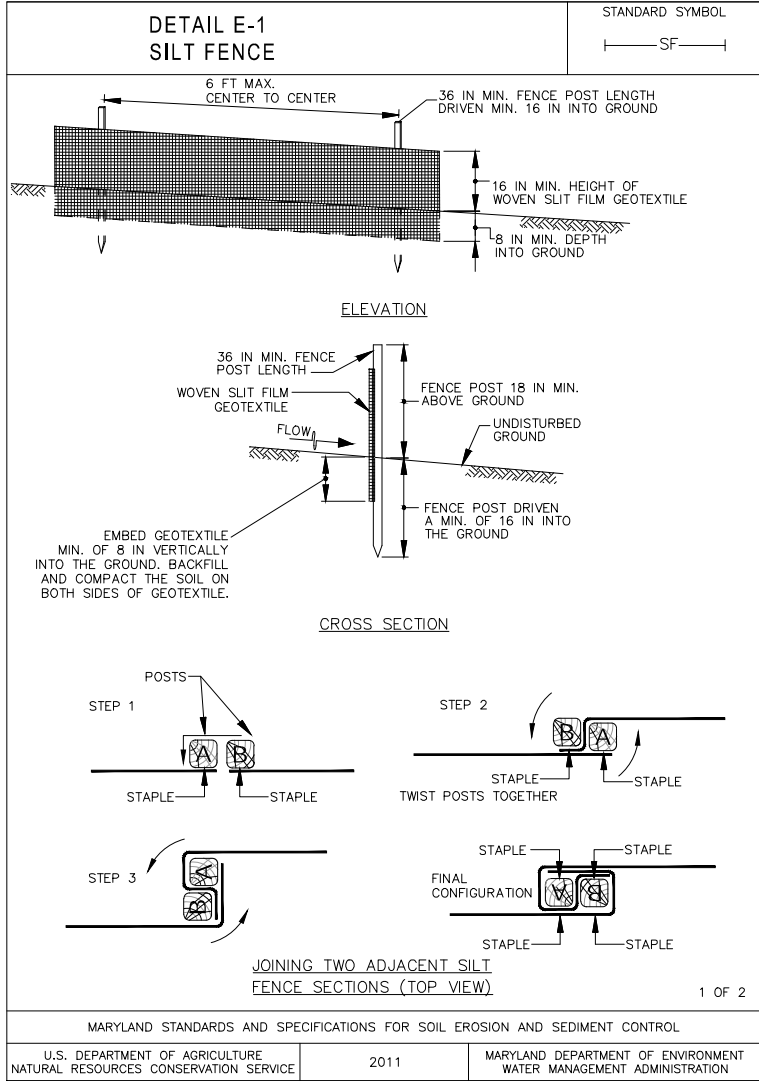
PURPOSE: SHORELINE STABILIZATION

APPLICATION BY:

U.S. NAVY

DATE: MAY 19, 2024

SHEET 11 OF 13



COASTLINE DESIGN, P.C.

P.O. BOX 157
ACHILLES, VIRGINIA 23001
(804) 642-2158

ADJACENT PROPERTY OWNERS:

N/A

DATUM: MEAN LOW WATER

HOG POINT SHORELINE STABILIZATION 202360895

DETAILS 24-WQC-0005

AT: NAVAL AIR STATION PATUXENT RIVER

IN: St. MARY'S COUNTY, MARYLAND

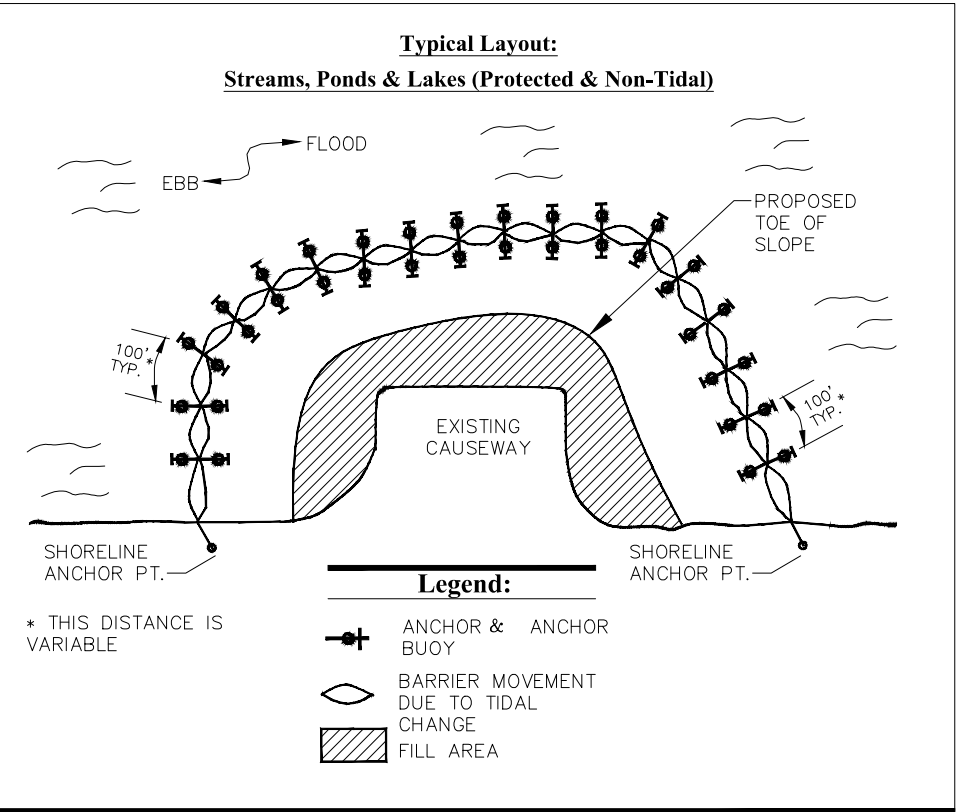
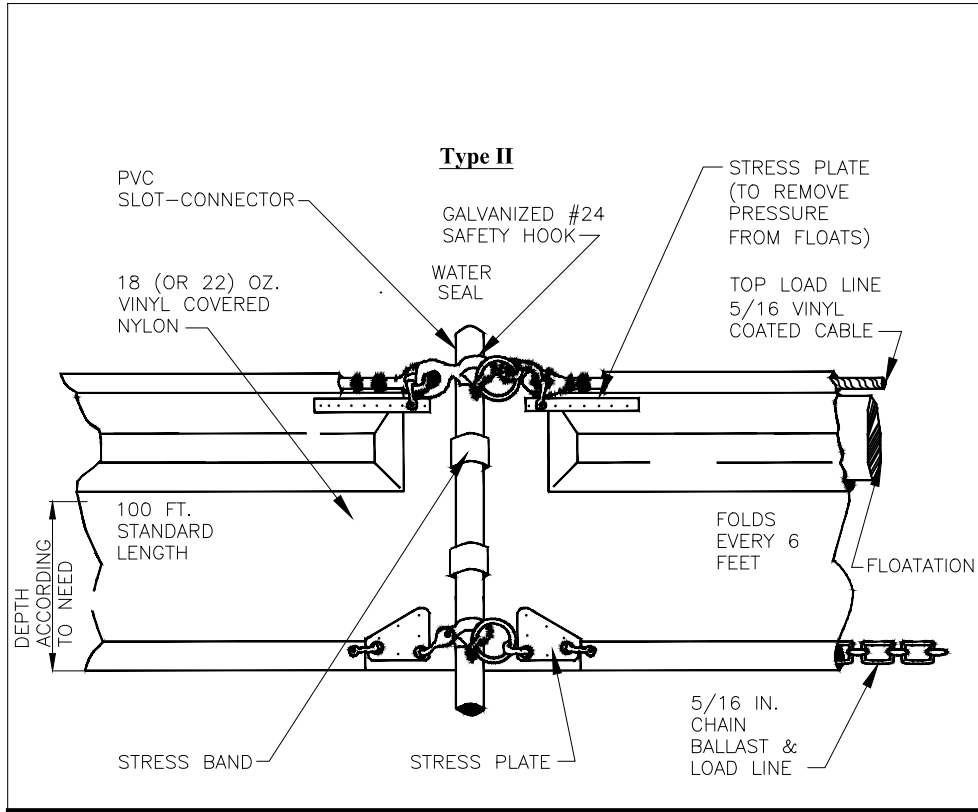
PURPOSE: SHORELINE STABILIZATION

APPLICATION BY:

U.S. NAVY

DATE: MAY 19, 2024

SHEET 12 OF 13



Turbidity Curtain

COASTLINE DESIGN, P.C.  P.O. BOX 157 ACHILLES, VIRGINIA 23001 (804) 642-2158	ADJACENT PROPERTY OWNERS: N/A	HOG POINT SHORELINE STABILIZATION 202360895 DETAILS 24-WQC-0005		APPLICATION BY: U.S. NAVY
	DATUM: MEAN LOW WATER	AT: NAVAL AIR STATION PATUXENT RIVER IN: St. MARY'S COUNTY, MARYLAND	PURPOSE: SHORELINE STABILIZATION	DATE: MAY 19, 2024 SHEET 13 OF 13