



Maryland
Department of
the Environment

Wes Moore, Governor
Aruna Miller, Lt. Governor

Serena McIlwain, Secretary
Suzanne E. Dorsey, Deputy Secretary

May 11, 2023

Plum Point Corporation and Neeld Estate Citizens Assoc.
c/o C. Scott Hardaway
Coastline Design, PC
P.O. Box 157
Achilles, VA 23001

Via email: Bajatodd1@gmail.com
scott@coastlinedesignnpc.com
Findmeonthebeach77@aol.com

Re: Agency Interest Number: 171395
Tracking Number: 202261346
Tidal Authorization Number: 22-WQC-0048

Dear Plum Point Corporation and Neeld Estate Citizens Assoc.:

Your project did not qualify for approval under the Maryland State Programmatic General Permit (MDSPGP); 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 MDSPGP 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. For more information, please contact Melissa McCanna at Melissa.mccanna@maryland.gov or at 410-537-4053.

Sincerely,

Tammy Roberson
Division Chief
Tidal Wetlands Division

Type text here



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



22-WQC-0048

EFFECTIVE DATE: **May 11, 2023**
CERTIFICATION HOLDER: **Plum Point Corporation, Todd Clement**
ADDRESS: **149 West Marquita Street, Unit B
San Clemente, CA 92672**
PROJECT LOCATION: **Partially subaqueous Plum Point Corporation
property channelward of twenty-two properties
between and including 2917 and 2725 Beach
Drive
Huntingtown, MD 20639**

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 PLUM POINT CORPORATION LIVING SHORELINE AND BEACH RESTORATION PROJECT AND AS DESCRIBED IN THE ATTACHED PLAN SHEETS DATED MAY 1, 2023 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.

PROJECT DESCRIPTION

Construct four breakwaters totaling 777 feet long and 30-foot wide at 3.5 feet above mean high water; and fill and grade with 15,807 cubic yards of sand along 1270 feet of eroding shoreline. Plant with 30,480 square feet of high marsh vegetation, 7,753 square feet of which is channelward of existing mean high water; and create ten 10-foot wide beach access paths all within a maximum of 145 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 floodplain, 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 authorization, NAB-2022-61346 (Living Shoreline and Beach Restoration Project at Plum Point), until such time that it expires or is not administratively extended.

SPECIAL CONDITIONS

1. The Certificate Holder shall comply with all Critical Area requirements and obtain all necessary authorizations from local jurisdiction. This Certificate 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 or 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. If the authorized work is not performed by the property owner, all work performed under this Tidal Wetlands 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. 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 follow the requirements of the marsh maintenance plan as required by Wetlands License 22-WL-0859 and any subsequent modifications.
5. 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.
6. The Certificate Holder shall accept the terms of the attached marsh maintenance plan by signing and returning the standard plan to the Water and Science Administration, Tidal Wetlands Division prior to commencement of any work authorized under this Certificate. If the Certificate Holder wishes to propose an alternative marsh maintenance plan, the alternative plan must be submitted to and approved by the Tidal Wetlands Division, Water and Science Administration, prior to commencement of any work authorized under this Certificate. Any alternative plan must provide assurances of success that are at least equivalent to those of the standard plan, in terms of the extent of native marsh plant coverage, elimination of invasive species and timeframe for plant establishment.
7. The Certificate Holder shall submit photographs on an annual basis for the first five growing seasons to the Tidal Wetlands Division, Water and Science Administration in order to document the success of the project in terms of the extent of native marsh plant coverage. Photographs shall be taken from at least two directions, as necessary to fully depict the living shoreline.

8. The Certificate Holder shall construct the beach nourishment 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. If the fill is graded hydraulically, the Certificate Holder shall use a turbidity curtain around the perimeter of the instream work.
 - c. 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.
9. The Certificate Holder shall not perform any construction from November 15th through March 1st of any year to protect wintering waterfowl. The proposed project site is located in a Historic Waterfowl Concentration Area.
10. The Certificate Holder shall notify the Maryland Department of the Environment, Water and Science Administration, Compliance Program at least 10 days before starting the authorized activities at (410) 537-3510.
11. The Certificate Holder shall deploy and maintain a turbidity curtain tightly around and channelward of the project area prior to and through completion of any sand deposit along the shoreline.
12. The marsh establishment area shall be planted within one year following completion of the filling operation. Maintenance planting and debris removal shall be performed as needed.

CITATIONS AND STATEMENTS OF NECESSITY

1. Statement of Necessity for General Conditions 1, 2, 3, 4 and Special Conditions 1, 3, 4, 5, 8, 11, 12: 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, 8, 11, 12: 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.

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.

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 26.08.02.10E; 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

Citations: 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; COMAR 26.24; COMAR 26.17.04

5. Statement of Necessity for General Conditions 9, 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.

Citation: COMAR 26.08.02.02B(2)- B(4); COMAR 26.08 02.03B(2)(d) – (e); COMAR 26.08.02.03B(1)(b); 26.08.02.03B(2); COMAR 23.02.04.04

7. Statement of Necessity for Special Conditions 4, 5, 6, 7: 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.

Citations: 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

8. Statement of Necessity for Special Condition 5: Requirements to structures allow for tidal flushing through living shoreline which ensures that numeric standards for dissolved oxygen and temperature may be met. Failure to meet numeric standards for temperature and dissolved oxygen levels may result in conditions that do not support shallow water submerged aquatic vegetation, shellfish harvesting, fish spawning and nurseries, and fish and shellfish survival and growth.

Citations: 1) COMAR 26.08.02.02.B.(3) 2) COMAR 26.08.02.02-1 3) COMAR 26.08.02.03-3.C.(8)(d) 4) COMAR 26.08.02.03-3.C.(3)(a)

9. 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 and use of material exceeding limits of the condition 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. Additionally, the issuance of the water quality certification does not relieve the applicant of their responsibility to comply at all times with federal and State law.

Citations: 1) 26.08.02.02.B.(3) 2) 26.08.02.03-3.C.(2)d.(5) 3) 26.08.02.03.A(1)(b) 4) 26.08.02.03.B(1-5) 5) 26.08.02.10E(2)

10. Statement of Necessity for Special Condition 9: A time of year restriction is necessary to allow for wintering waterfowl to move from breeding areas to seasonally use suitable winter habitat. Breeding and wintering habitat are both essential to support waterfowl populations. Breeding habitat would not sustain waterfowl during winter. Disturbance during the closure period would interfere directly or indirectly with designated uses.

Citations: 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 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.02.B.(3); 26.08.02.02.B.(1)(d); COMAR 26.08.02.03.B.(1)(b); COMAR 26.08.02.03.B.(2)(e); COMAR 26.24

11. Statement of Necessity for Special Conditions 10, 11: Loss of fill material may result in violations of water quality due to turbidity and other alterations which interfere with designated uses as well as a designated use class for support of estuarine and marine aquatic life, and support of designated uses for growth and propagation of fish, shallow water submerged vegetation, other aquatic life, and wildlife. Loss limits will maintain the designation use.

Citations: 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 26.24; COMAR 26.08; COMAR 26.08.02.10G(3); COMAR 26.08.02.06; COMAR 26.17.04; COMAR 26.23; COMAR 26.23.02.06

12. Statement of Necessity for Special Conditions 11, 12: Proper placement and alignment of the discharge material will maintain habitat and maintain designated uses for support of estuarine and marine aquatic life and support of designated uses for growth and propagation of fish, other aquatic life, and wildlife.

Citations: 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 26.24; COMAR 26.08; COMAR 26.08.02.02B(1)(d); COMAR 26.08.02.02B(3); COMAR 26.08.02.03B(1)(b); COMAR 26.08.02.02B(2); COMAR 26.08.02.10E.(2); COMAR 26.24

CERTIFICATION APPROVED



D. Lee Currey, Director
Water and Science Administration

05-11-2023

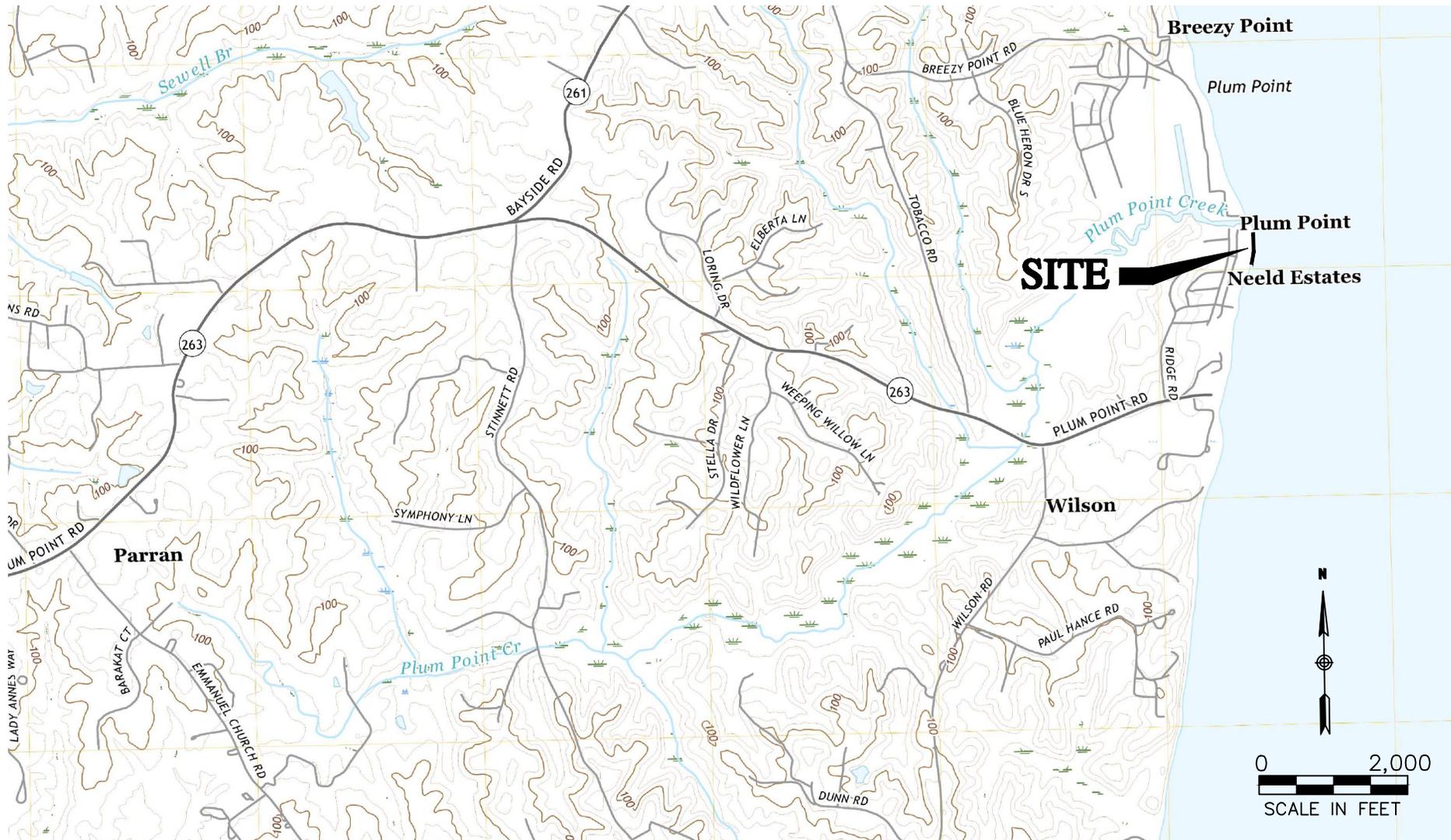
Date

Tracking Number: 202261346
Agency Interest Number: 171395

Effective Date: May 11, 2023

Enclosure: Plan Sheets dated May 11, 2023

cc: WSA Inspection & Compliance Program
Army Corps of Engineers



COASTLINE DESIGN, P.C.

P.O. BOX 157
 ACHILLES, VIRGINIA 23001
 (757) 288-9062

22-WL-0859
 22-WQC-0048
 202261346
 05/01/2023
 Sheet 1 of 8

DATUM: MEAN LOW WATER

**PLUM POINT LIVING SHORELINE & BEACH RESTORATION PROJECT
 SITE LOCATION MAP**

AT: ON THE CHESAPEAKE BAY

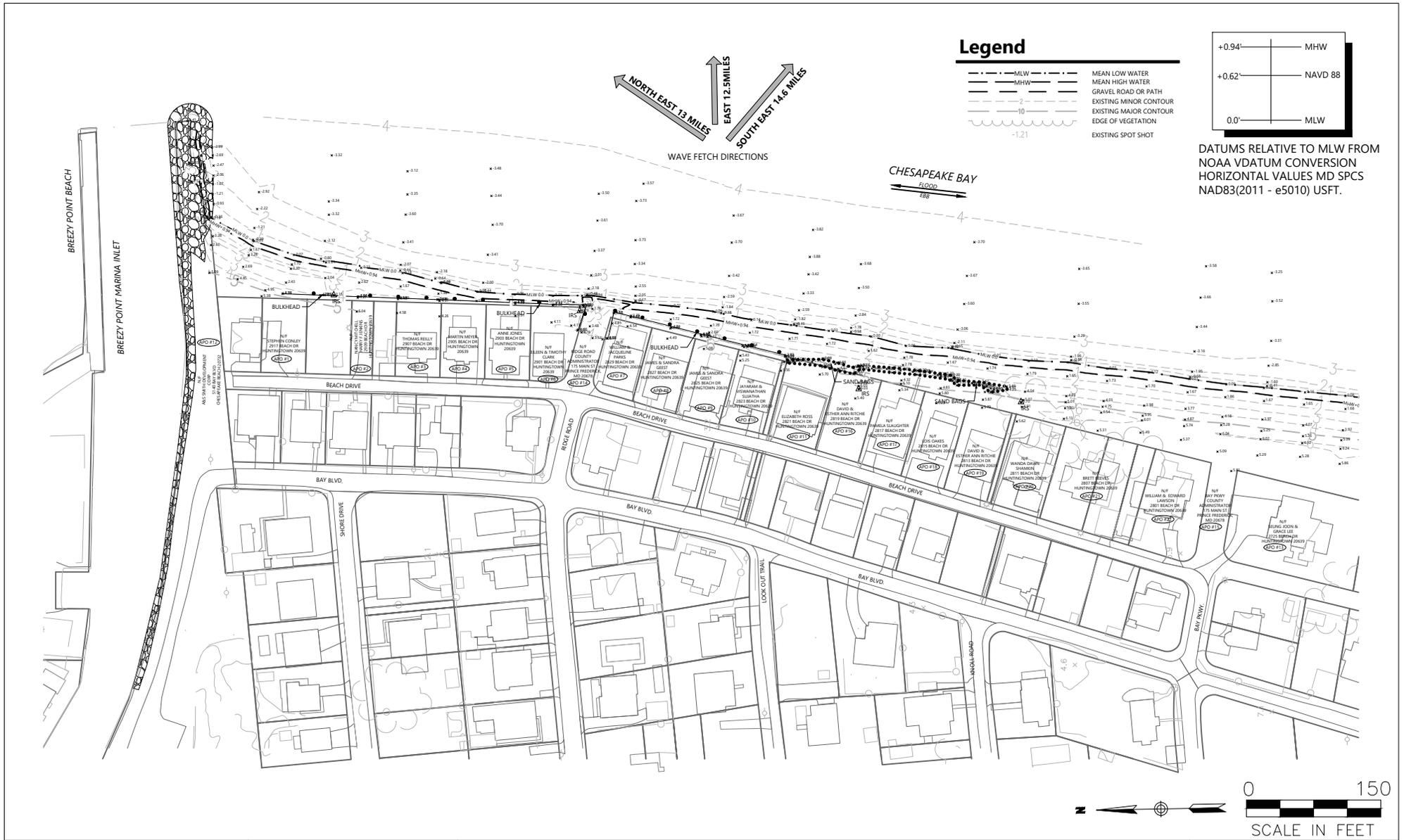
IN: CALVERT COUNTY, MARYLAND

PURPOSE: LIVING SHORELINE &
 BEACH RESTORATION

APPLICATION BY:
 NEED ESTATE
 CITIZENS ASSOCIATION

REVISED: DECEMBER, 2022
 DATE: JULY, 2022

SHEET 1 OF 8



COASTLINE DESIGN, P.C.

P.O. BOX 157
 ACHILLES, VIRGINIA 23001
 (757) 288-9062

22-WL-0859
 22-WQC-0048
 202261346
 05/01/2023
 Sheet 2 of 8

DATUM: MEAN LOW WATER

PLUM POINT LIVING SHORELINE & BEACH RESTORATION PROJECT

EXISTING CONDITIONS

AT: ON THE CHESAPEAKE BAY

IN: CALVERT COUNTY, MARYLAND

PURPOSE: LIVING SHORELINE & BEACH RESTORATION

APPLICATION BY:
 NEELD ESTATE
 CITIZENS ASSOCIATION

REVISED: DECEMBER, 2022
DATE: JULY, 2022

SHEET 2 OF 8

<p>APO #1 PARCEL 264, ACCOUNT# 02-150336, L-4572 F-59 CONLEY STEPHEN CSR 2917 BEACH DR HUNTINGTOWN MD 20639 COUNTY ASSESSMENT \$339,367 & \$401,200</p>	<p>APO #8 PARCEL 262, ACCOUNT# 02-150301, L-5168 F-80 GEEST JAMES G & SANDRA K 2825 BEACH DR HUNTINGTOWN MD 20639 COUNTY ASSESSMENT \$116,000</p>	<p>APO #16 & 19 PARCEL 270 & 274, ACCOUNT# 02-253671, L-6357 F-473 ESTHER ANN RITCHIE 2813 BEACH DR HUNTINGTOWN MD 20639 COUNTY ASSESSMENT \$474,867 & \$272,300</p>
<p>APO #2 PARCEL 263 ACCOUNT# 02-150328, L-3549 F-426 JENKINS HARRY F & NANCY E MITCHELL 13295 TRIADELPHIA MILL RD CLARKSVILLE MD 21029 COUNTY ASSESSMENT \$2,000</p>	<p>APO #9 PARCEL 255, ACCOUNT# 02-150085, L-3521 F-120 GEEST JAMES G & SANDRA K 2825 BEACH DR HUNTINGTOWN MD 20639 COUNTY ASSESSMENT \$469,500</p>	<p>APO #17 PARCEL 272 ACCOUNT# 02- 253673, L-6085 F-164 PAMELA CAROLINE SLAUGHTER 2817 BEACH DR HUNTINGTOWN MD 20639 COUNTY ASSESSMENT \$380,000</p>
<p>APO #3 PARCEL 259 ACCOUNT# 02-150174, L-4261 F-126 REILLY THOMAS CO TRUSTEE & REILLY MARY OSBOURN CO TRUSTEE 216 AUTUMN CHASE DR ANNAPOLIS MD 21401 COUNTY ASSESSMENT \$377,300</p>	<p>APO #10 PARCEL 256, ACCOUNT# 02-150131, L-3534 F-485 SPAID ALMA L TODD A & BRENDA J FOWLER CO-TRUSTEES 2305 E GATE DR SILVER SPRING MD 20906 COUNTY ASSESSMENT \$513,467</p>	<p>APO #18 PARCEL 271 ACCOUNT# 02-253672, L-6085 F-159 LOIS B OAKES 7200 3RD AVE APT M418 SYKESVILLE MD 21784 COUNTY ASSESSMENT \$419,000</p>
<p>APO #4 PARCEL 258 ACCOUNT# 02-150166, L-3747 F-105 MEYER MARTIN K ETAL 2905 BEACH DR HUNTINGTOWN MD 20639 COUNTY ASSESSMENT \$328,333</p>	<p>APO #11 LOT-5, ACCOUNT# 02-031639, L-4381 F-54 ROSS ELIZABETH L TRUSTEE 2821 BEACH DR HUNTINGTOWN MD 20639 COUNTY ASSESSMENT \$364,200</p>	<p>APO #20 PARCEL 266 ACCOUNT# 02-150352, L-4173 F-285 WANDA DAWN SHAMKIN 2811 BEACH DR HUNTINGTOWN MD 20639 COUNTY ASSESSMENT \$382,733</p>
<p>APO #5 PARCEL 260 ACCOUNT# 02-150182, L-4220 F-420 JONES ANNE G 2903 BEACH DR HUNTINGTOWN MD 20639 COUNTY ASSESSMENT \$408,067</p>	<p>APO #12 PARCEL 254, ACCOUNT #02-147440, L-4937 F-167 A&S SMITH DEVELOPMENT CORP 7364 EDGEWOOD ROAD ANNAPOLIS, MD 21403 COUNTY ASSESSMENT \$70,500</p>	<p>APO #21 PARCEL 275 ACCOUNT# 02-253686, L-6170 F-106 BRETT A REEVES 23 ONE KEA PL WAILUKU HI 96793 COUNTY ASSESSMENT \$473,300</p>
<p>APO #6 PARCEL 261 ACCOUNT# 02-150298, L-3541 F-172 GORDON NOREEN L & TIMOTHY J CLARK 3855 W GREINA RD GREINA VA 24557 COUNTY ASSESSMENT \$289,100</p>	<p>APO #13 PARCEL 000, ACCOUNT #02-03223, L-1RR LEE SEUNG JOON & GRACE 20850 CHIPPOAKS FOREST CIR. POTOMAC FALLS, VA 20165 COUNTY ASSESSMENT \$634,700</p>	<p>APO #22 PARCEL 265 ACCOUNT# 02-150344, L-4999 F-334 WILLIAM EDWARD & MCKAY JUDITH LAWSON 314 WASHINGTON ST ANNAPOLIS MD 21403 COUNTY ASSESSMENT \$488,067</p>
<p>APO #7 PARCEL 257 ACCOUNT# 02-150158, L-3534 F-492 PARKS WILLIAM J & JACQUELINE M 2829 BEACH DR HUNTINGTOWN MD 20639 COUNTY ASSESSMENT \$347,300</p>	<p>APO #14 & #15 RIDGE ROAD & BAY PKWY COUNTY ADMINISTRATOR 175 MAIN ST PRINCE FREDERICK, MD 20678</p>	

NOTE: CLAVERT COUNTY ASSESSMENTS AS OF 07/01/2022

COASTLINE DESIGN, P.C.


P.O. BOX 157
ACHILLES, VIRGINIA 23001
(757) 288-9062

22-WL-0859
22-WQC-0048
202261346
05/01/2023
Sheet 3 of 8

DATUM: MEAN LOW WATER

**PLUM POINT LIVING SHORELINE & BEACH RESTORATION PROJECT
ADJOINING PROPERTY OWNERS (APO)**

AT: ON THE CHESAPEAKE BAY

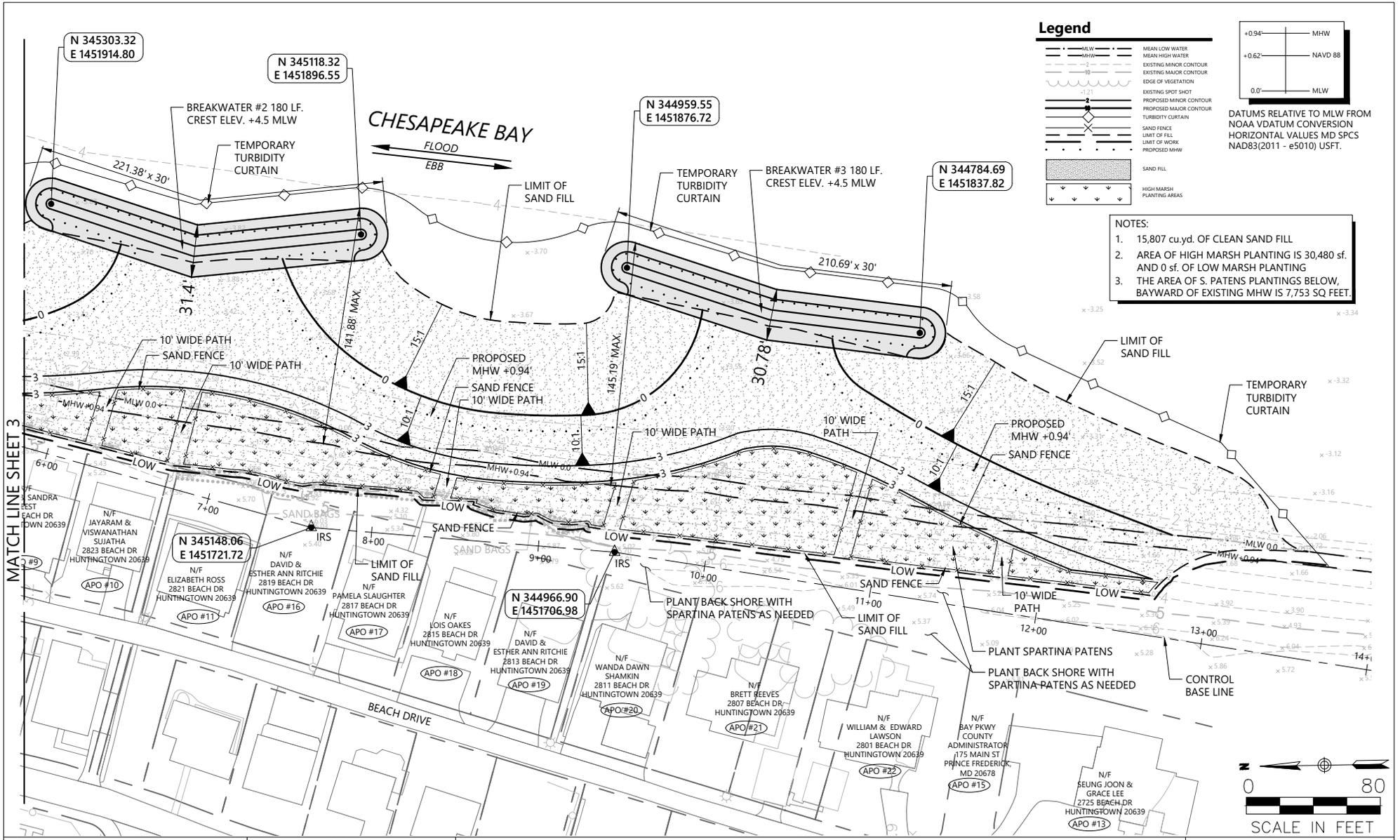
IN: CALVERT COUNTY, MARYLAND

**PURPOSE: LIVING SHORELINE &
BEACH RESTORATION**

**APPLICATION BY:
NEELD ESTATE
CITIZENS ASSOCIATION**

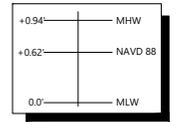
**REVISED: DECEMBER, 2022
DATE: JULY, 2022**

SHEET 3 OF 8



Legend

- MLW
- MHW
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EDGE OF VEGETATION
- EXISTING SPOT SHOT
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- TURBIDITY CURTAIN
- SAND FENCE
- LIMIT OF FILL
- LIMIT OF WORK
- PROPOSED MHW
- SAND FILL
- HIGH MARSH PLANTING AREAS



DATUMS RELATIVE TO MLW FROM NOAA VDATUM CONVERSION HORIZONTAL VALUES MD SPCS NAD83(2011 - e5010) USFT.

- NOTES:**
1. 15,807 cu.yd. OF CLEAN SAND FILL
 2. AREA OF HIGH MARSH PLANTING IS 30,480 sf. AND 0 sf. OF LOW MARSH PLANTING
 3. THE AREA OF S. PATENS PLANTINGS BELOW, BAYWARD OF EXISTING MHW IS 7,753 SQ FEET

MATCH LINE SHEET 3

COASTLINE DESIGN, P.C.

P.O. BOX 157
ACHILLES, VIRGINIA 23001
(757) 288-9062

22-WL-0859
22-WQC-0048
202261346
05/01/2023
Sheet 5 of 8

DATUM: MEAN LOW WATER

PLUM POINT LIVING SHORELINE & BEACH RESTORATION PROJECT

PROPOSED SHORELINE LAYOUT

AT: ON THE CHESAPEAKE BAY

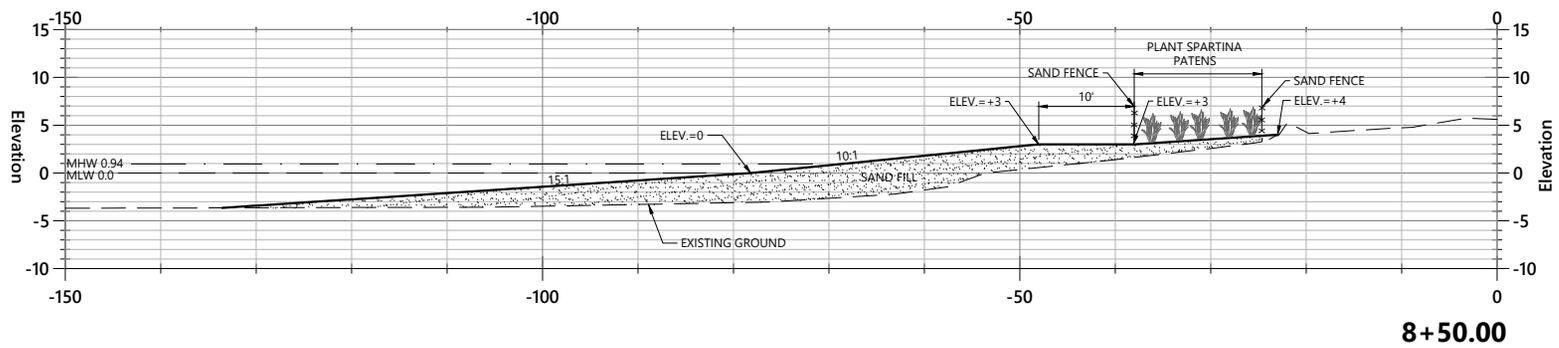
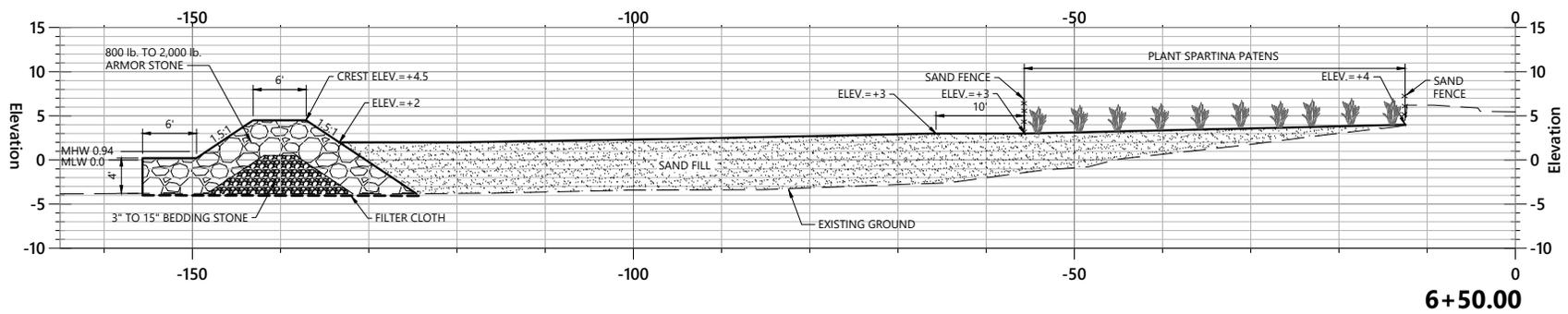
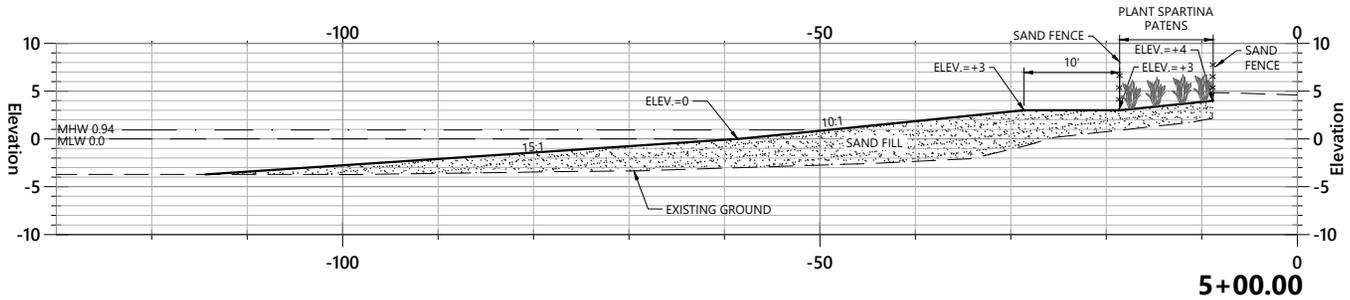
IN: CALVERT COUNTY, MARYLAND

PURPOSE: LIVING SHORELINE & BEACH RESTORATION

APPLICATION BY:
NEELD ESTATE
CITIZENS ASSOCIATION

REVISED: DECEMBER, 2022
DATE: JULY, 2022

SHEET 5 OF 8



COASTLINE DESIGN, P.C.


 P.O. BOX 157
 ACHILLES, VIRGINIA 23001
 (757) 288-9062

22-WL-0859
 22-WQC-0048
 202261346
 05/01/2023
 Sheet 6 of 8

DATUM: MEAN LOW WATER

PLUM POINT LIVING SHORELINE & BEACH RESTORATION PROJECT
TYPICAL SHORELINE SECTIONS

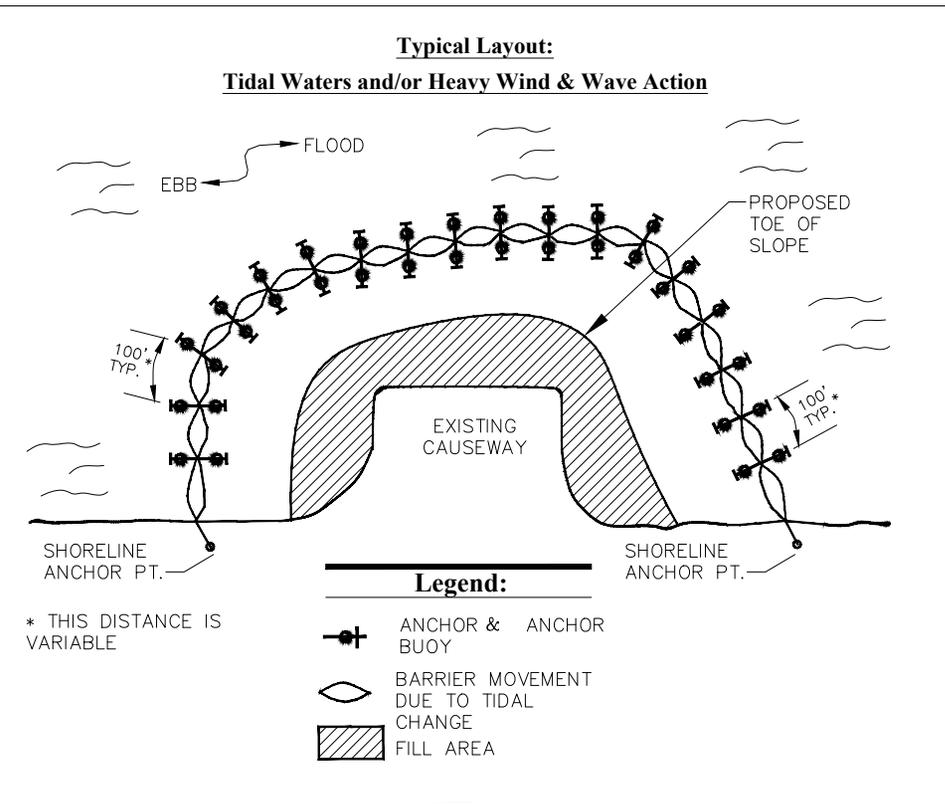
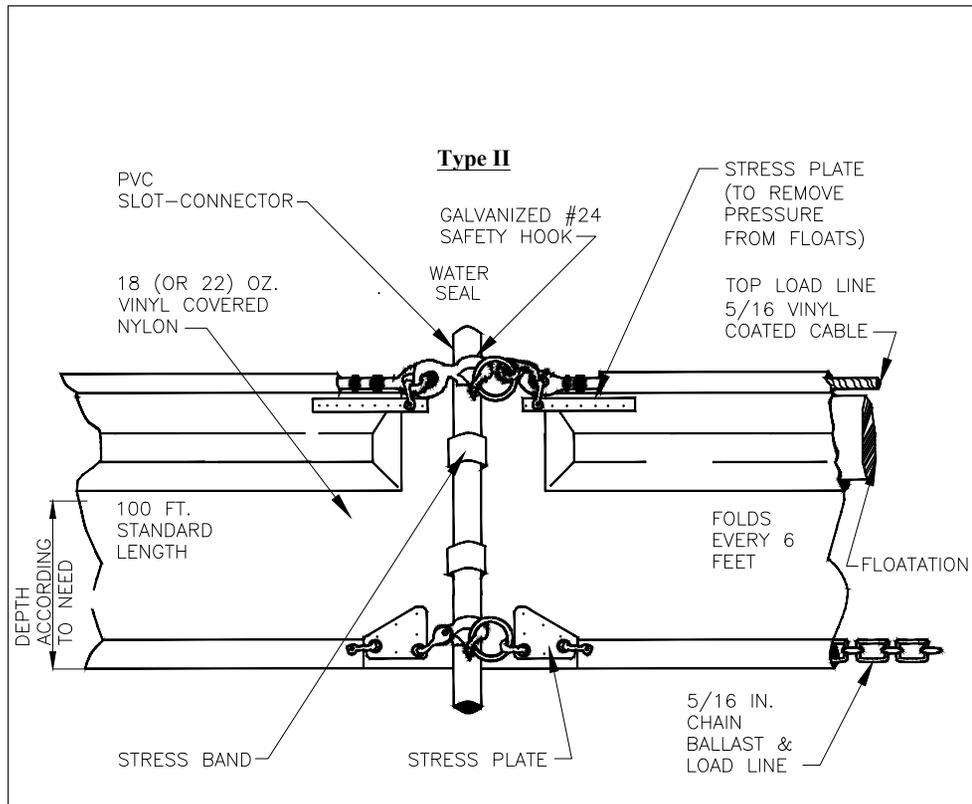
AT: ON THE CHESAPEAKE BAY
 IN: CALVERT COUNTY, MARYLAND

PURPOSE: LIVING SHORELINE &
 BEACH RESTORATION

APPLICATION BY:
 NEEDLE ESTATE
 CITIZENS ASSOCIATION

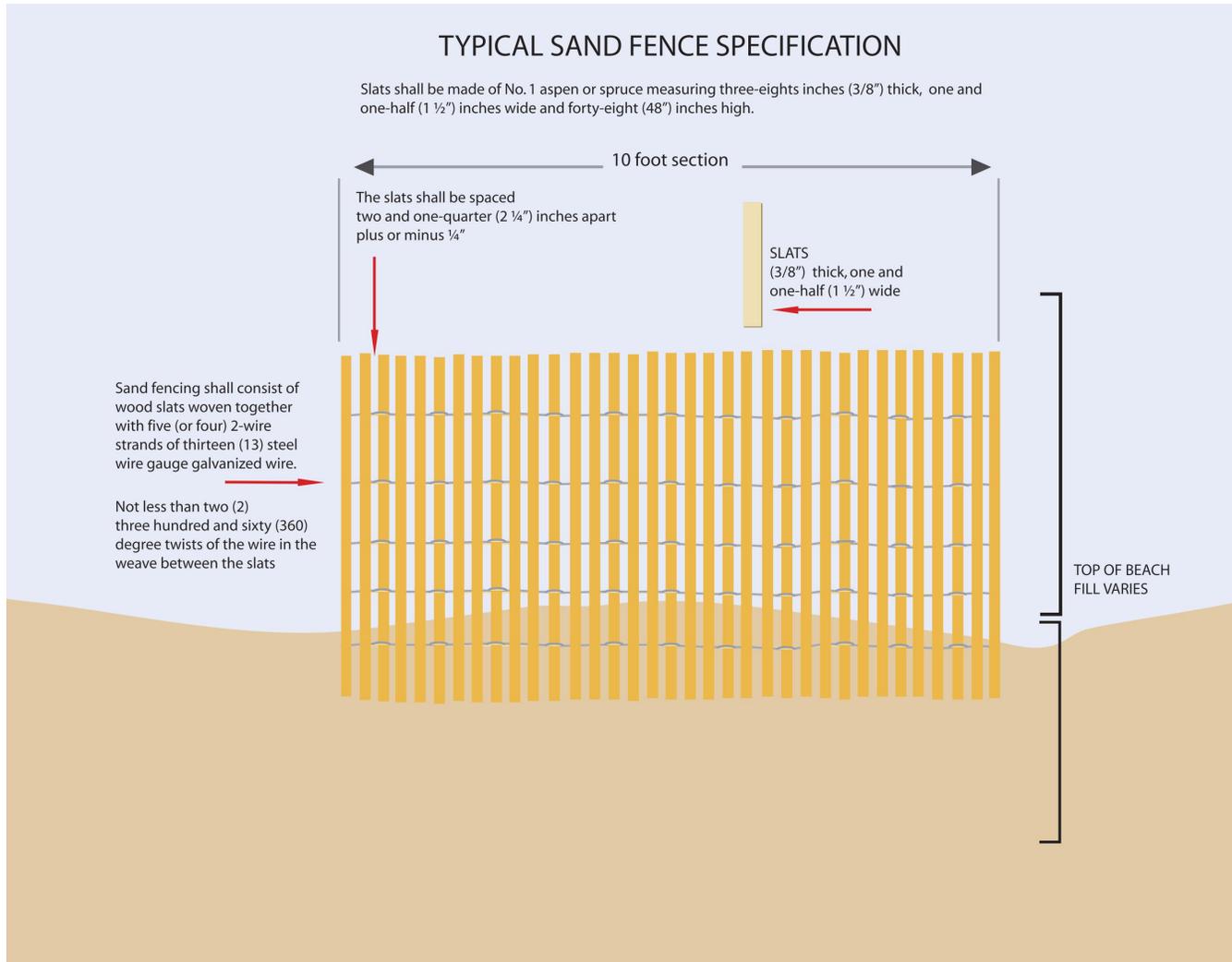
REVISED: DECEMBER, 2022
 DATE: JULY, 2022

SHEET 6 OF 8



Turbidity Curtain

COASTLINE DESIGN, P.C.  P.O. BOX 157 ACHILLES, VIRGINIA 23001 (757) 288-9062	22-WL-0859 22-WQC-0048 202261346 05/01/2023 Sheet 7 of 8	PLUM POINT LIVING SHORELINE & BEACH RESTORATION PROJECT DETAILS		APPLICATION BY: NEEDL ESTATE CITIZENS ASSOCIATION
	DATUM: MEAN LOW WATER	AT: ON THE CHESAPEAKE BAY IN: CALVERT COUNTY, MARYLAND	PURPOSE: LIVING SHORELINE & BEACH RESTORATION	REVISED: DECEMBER, 2022 DATE: JULY, 2022 SHEET 7 OF 8



Sand Fence

COASTLINE DESIGN, P.C.


 P.O. BOX 157
 ACHILLES, VIRGINIA 23001
 (757) 288-9062

22-WL-0859
 22-WQC-0048
 202261346
 05/01/2023
 Sheet 8 of 8

DATUM: MEAN LOW WATER

PLUM POINT LIVING SHORELINE & BEACH RESTORATION PROJECT DETAILS

AT: ON THE CHESAPEAKE BAY
IN: CALVERT COUNTY, MARYLAND

**PURPOSE: LIVING SHORELINE &
BEACH RESTORATION**

**APPLICATION BY:
NEELD ESTATE
CITIZENS ASSOCIATION**

**REVISED: DECEMBER, 2022
DATE: JULY, 2022**

SHEET 8 OF 8