



**U.S. Army Corps
of Engineers
Baltimore District**

Public Notice

**In Reply to Application Number
NAB-2023-61421 M46 (Hillsmere Shores Improvement
Assoc. /Living Shoreline & Breakwaters)**

PN-24-02

Comment Period: January 9, 2024 to February 8, 2024

THE PURPOSE OF THIS PUBLIC NOTICE IS TO INFORM INTERESTED PARTIES OF THE PROPOSED ACTIVITY AND TO SOLICIT COMMENTS. NO DECISION HAS BEEN MADE AS TO WHETHER OR NOT A PERMIT WILL BE ISSUED AT THIS TIME.

This District has received an application for a Department of the Army permit pursuant to Section 10 of the Rivers and Harbors Act (33 USC 403) and Section 404 of the Clean Water Act (33 USC 1344), as described below:

APPLICANT:

Hillsmere Shores Improvement Association
P.O. Box 3485
Annapolis, Maryland 21403

WATERWAY AND LOCATION OF THE PROPOSED WORK:

The proposed project is located in Duvall Creek, in Annapolis, Anne Arundel County, Maryland. (38.929149, -76.486849)

OVERALL PROJECT PURPOSE:

To establish/enhance habitat, to provide shoreline erosion protection, to provide protection from sea level rise, and to provide resiliency to climate change along the shoreline at 133C Bay View Drive East, Annapolis, Anne Arundel County, Maryland.

PROJECT DESCRIPTION:

To stabilize approximately 650 linear feet (lf) of eroding shoreline using a living shoreline design, all within an approximate 38,221 square foot (sf) impact area as follows: to construct 286 lf of stone headland structures by emplacing 736 cubic yards (CY) of stone, and 2,475 CY of clean sand and cobble backfill stabilized with 15,452 sf of marsh plantings. In addition, approximately 252, 19-inch tall, 29-inch diameter concrete oyster reef balls will be placed into a 1,125 sf area to create/enhance habitat. All work will extend a maximum 90 feet channelward of the approximate mean high water shoreline in Duvall Creek, at Hillsmere Shores Marina, 133C Bay View Drive East, Annapolis, Anne Arundel County, Maryland.

Please refer to the table below for a summary of aquatic resource impacts.

EFFECTS ON AQUATIC RESOURCES:

Activity	Aquatic Resource Impact (sf)	Aquatic Resource Type	Authority (Section 10/404/408)
Stone Headland Structures	6,328	Open Water/ Intertidal	Section 10/404
Sand/Cobble Fill	31,893	Open Water/ Intertidal	Section 10/404
Concrete Oyster Reef Balls	1,125	Open Water/ Intertidal	Section 10/404

LEAD FEDERAL AGENCY:

The United States Army Corps of Engineers, as the lead federal agency, is responsible for all coordination pursuant to applicable federal authorities.

APPLICANT'S PROPOSED AVOIDANCE, MINIMIZATION, AND COMPENSATORY MITIGATION:

As part of the planning process for the proposed project, steps were taken to ensure avoidance and minimization of impacts to aquatic resources to the maximum extent practicable based on the existing site conditions.

The applicant considered several alternative designs to meet the project goals of providing long term protection of the property from sea level rise and resiliency to climate change, using nature-based restoration techniques, and creating/enhancing habitat while also avoiding and minimizing impacts to Duvall Creek. Alternative designs considered include enhancing the existing seawall, creating a narrow living shoreline design with low profile sills, and creating a living shoreline with one long headland structure and sand/cobble fill. The proposed living shoreline design described above provides shoreline erosion protection, protection from sea level rise and resiliency to climate change, while also using nature-based techniques and minimizing impacts to Duvall Creek to the maximum extent practicable.

No compensatory mitigation is proposed. No wetlands or submerged aquatic vegetation would be permanently impacted as a result of the proposed project. The proposed project upon completion would result in a net gain of approximately 15,452 sf of intertidal marsh.

CORPS EVALUATION REQUIREMENTS:

This project will be evaluated pursuant to Corps Regulatory Program Regulations (33 CFR Parts 320-332). The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit, which reasonable may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the proposal will be considered, including the cumulative effects thereof; among those are conservation, economic, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, and consideration of property ownership and in general, the needs and welfare of the people. The evaluation of the impact of this project will also include application of the Clean Water Act Section 404(b)(1) Guidelines promulgated by the Administrator, United States Environmental Protection Agency.

ENDANGERED SPECIES:

A preliminary review of this application indicates that the proposed work is not likely to adversely affect federally listed threatened or endangered species or their critical habitat, pursuant to Section 7 of the Endangered Species Act, as amended. As the evaluation of this application continues, additional information may become available which could modify this preliminary determination.

ESSENTIAL FISH HABITAT:

The Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), as amended by the Sustainable Fisheries Act of 1996 (Public Law 04-267), requires all federal agencies to consult with the National Marine Fisheries Service on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely affect Essential Fish Habitat (EFH), including species of concern, life cycle habitat, or Habitat Areas of Particular Concern. The project site lies in or adjacent to EFH as described under MSFCMA for managed species under the MSFCMA. The Baltimore District has made a preliminary determination that the project will not have a substantial adverse effect on EFH. The Baltimore District has made a preliminary determination that mitigative measures are not required to minimize adverse effects on EFH at this time. This determination may be modified if additional information indicates otherwise.

HISTORIC RESOURCES:

Pursuant to Section 106 of the National Historic Preservation Act of 1966 and applicable guidance, the Corps has reviewed the latest published version of the National Register of Historic Places and initially determined that no registered properties listed as eligible for inclusion, therein, are located at the site of the proposed work. The Corps has made the preliminary determination that the proposed project would have no effect on historic properties. The Corps final eligibility and effect determination will be based on coordination with the State 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.

TRIBAL RESOURCES:

Section 106 of the National Historic Preservation Act also requires federal agencies to consult with federally recognized American Indian tribes that attach religious and cultural significance to historic properties that may be affected by the agency's undertaking. Corps Tribal Consultation Policy mandates an open, timely, meaningful, collaborative, and effective deliberative communication process that emphasizes trust, respect, and shared responsibility. The policy further emphasizes that, to the extent practicable and permitted by law, consultation works toward mutual consensus and begins at the earliest planning stages before decisions are made and actions taken. The Corps final eligibility and effect determination will be based on coordination with interested tribes, in accordance with the Corps current tribal standard operating procedures as appropriate and required, and with full consideration given to the proposed undertaking's potential direct and indirect effects on tribal resources.

MODIFICATION OF CIVIL WORKS PROJECTS: 33 USC 408 (SECTION 408):

All Section 408 proposals will be coordinated internally at the United States Army Corps of Engineers. The Section 408 decision will be issued along with the Section 404 and/or Section 10 decision. Please see the following link for more information regarding Section 408: <https://www.nab.usace.army.mil/Missions/Regulatory/Section-408-Requests/>.

WATER QUALITY CERTIFICATION:

The applicant is required to obtain a water quality certification in accordance with Section 401 of the Clean Water Act.

COASTAL ZONE MANAGEMENT PROGRAMS:

Where applicable, the applicant has certified in this application that the proposed activity complies with and will be conducted in a manner consistent with the approved Coastal Zone Management Program. By this public notice, we are requesting the State concurrence or objection to the applicant's consistency statement.

The applicant must obtain any state or local government permits which may be required.

SUBMISSION OF 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 decision, comments are used to assess impacts on 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 provided will become part of the public record for this action and are subject to release to the public through the Freedom of Information Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Written comments concerning the work described above related to the factors listed above or other pertinent factors must be received by the United States Army Corps of Engineers, Baltimore District within the comment period specified above through postal mail at the address below or electronic submission to the project manager email address below. Written comments should reference the Application Number (NAB-2023-61421-M46).

PUBLIC HEARING REQUESTS:

Any person who has an interest which may be adversely affected by the issuance of this permit may request a public hearing. The request, which must be in writing, must be received within the comment period as specified above to receive consideration. Also, it must clearly set forth the interest which may be adversely affected by this activity and the manner in which the interest may be adversely affected. The public hearing request may be submitted by electronic mail or mailed to the following address:

Ms. Nicole Nasteff
Nicole.m.voelker@usace.army.mil
U.S. Army Corps of Engineers, Baltimore District
Regulatory Branch
2 Hopkins Plaza, Baltimore, MD 21201

It is requested that you communicate this information concerning the proposed work to any persons known by you to be interested, who did not receive a copy of this notice.

General information regarding the Corps permitting process can be found on our website at <https://www.nab.usace.army.mil/Missions/Regulatory.aspx>. This public notice has been prepared in accordance with Corps implementing regulations at 33 CFR 325.3. If you have any questions concerning this specific project or would like to request a paper copy of this public notice, please contact Ms. Nicole Nasteff, (410) 962-1847 or Nicole.m.voelker@usace.army.mil. This public notice is issued by the Chief, Regulatory Branch.



Scale: 1" = 2,000'

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Prepared For:



2822 Solomons Island Road, #202
Edgewater, Maryland 21037

Applicant:

Hillsmere Shores
Improvement Association
P.O. Box 3485
Annapolis, Maryland 21043

Prepared by:



**Environmental
Systems
Analysis, Inc.**
Natural Resources Management
Ecological Restoration
2141 Priest Bridge Drive, Suite 1
Crofton, Maryland 21114

VICINITY MAP

**HILLSMERE SHORES
COASTAL RESILIENCY PROJECT**

2ND Election District
Anne Arundel County, Maryland

SCALE: 1" = 2000'

DATE: DECEMBER, 2023

ESA PROJECT NAME: 2021-31
Hillsmere Sand Spit\CAD



NORTH

SHEET: 1 of 15



Prepared For:



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Edgewater, Maryland 21037

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FETCH MAP

**HILLSMERE SHORES
COASTAL RESILIENCY PROJECT**

2ND Election District
Anne Arundel County, Maryland

SCALE: 1"=2000'

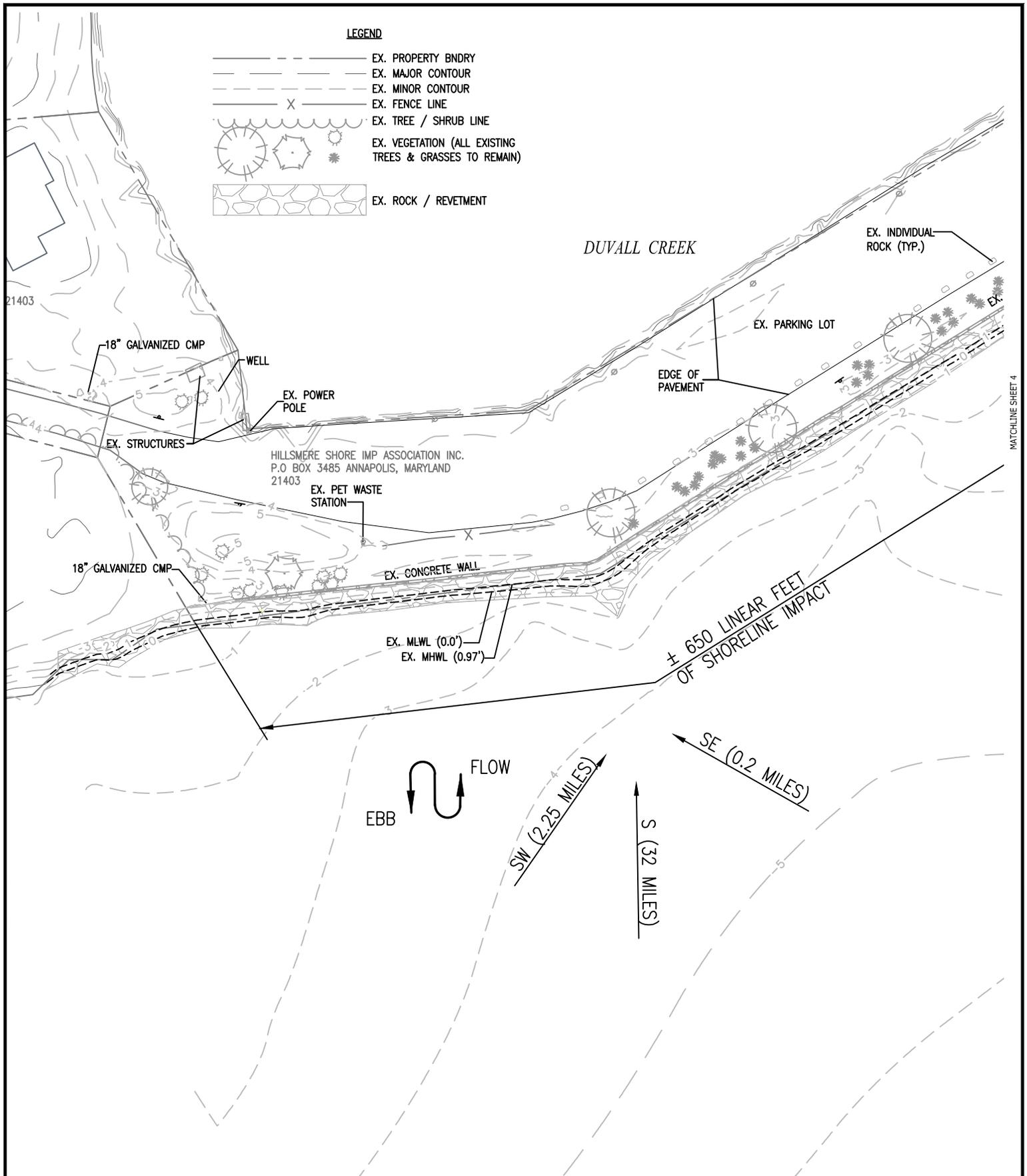
DATE: DECEMBER, 2023

ESA PROJECT NAME: 2021-31
Hillsmere Sand Spit\CAD



NORTH

SHEET: 2 of 15



Prepared For:



Arundel Rivers
FEDERATION

2822 Solomons Island Road, #202
Edgewater, Maryland 21037

Applicant:

Hillsmere Shores
Improvement Association
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Annapolis, Maryland 21043

Prepared by:

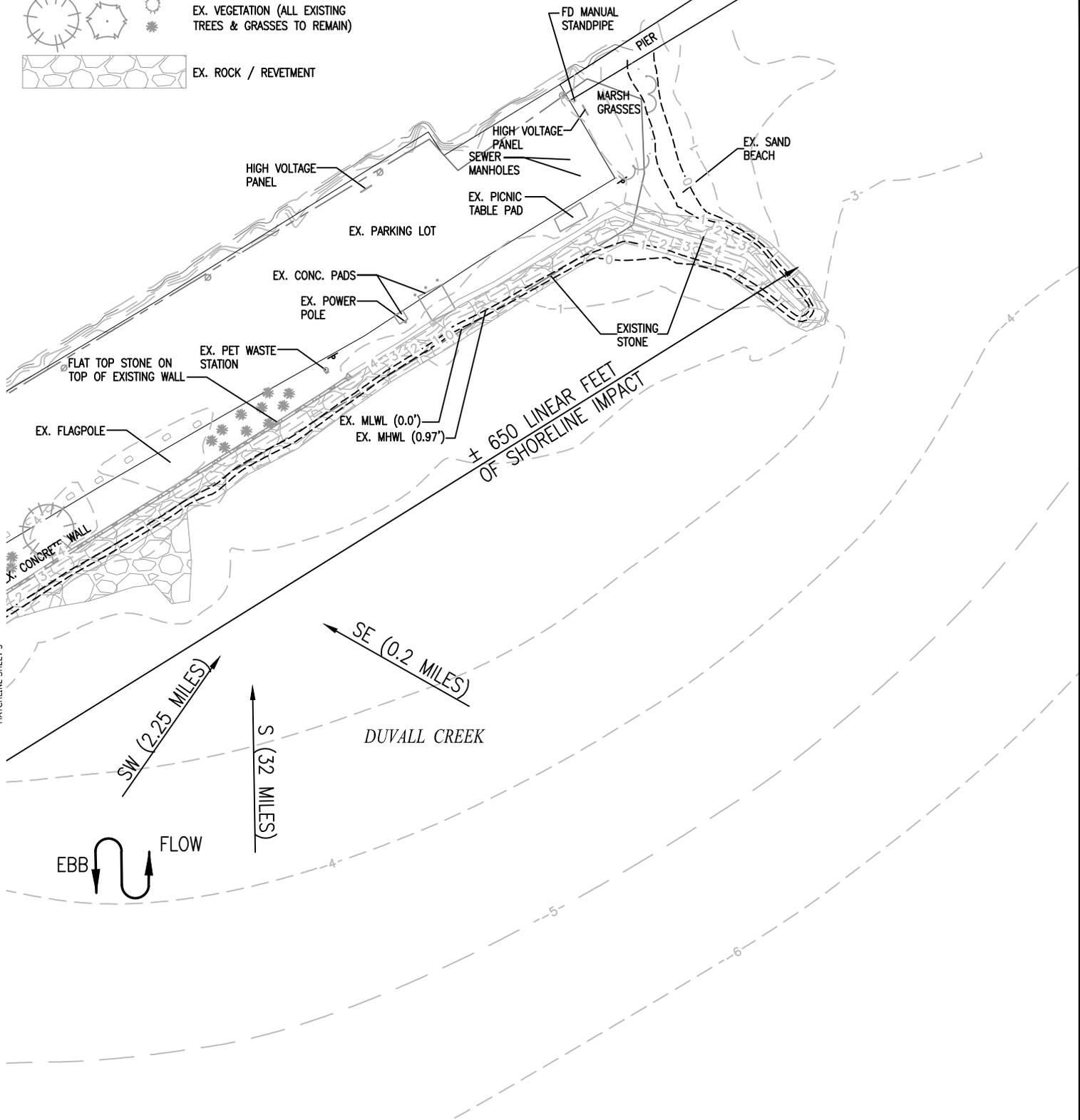


Environmental Systems Analysis, Inc.
Natural Resources Management
Ecological Restoration
2141 Priest Bridge Drive, Suite 1
Crofton, Maryland 21114

EXISTING CONDITIONS	
HILLSMERE SHORES COASTAL RESILIENCY PROJECT	
2ND Election District Anne Arundel County, Maryland	
	SCALE: 1" = 50'
DATE: DECEMBER, 2023	
ESA PROJECT NAME: 2021-31 Hillsmere Sand Spit\CAD	
SHEET: 3 of 15	

LEGEND

- EX. PROPERTY BNDRY
- EX. MAJOR CONTOUR
- EX. MINOR CONTOUR
- X- EX. FENCE LINE
- ~ EX. TREE / SHRUB LINE
- ☉ EX. VEGETATION (ALL EXISTING TREES & GRASSES TO REMAIN)
- ▨ EX. ROCK / REVETMENT



MATCHLINE SHEET 3

Prepared For:



2822 Solomons Island Road, #202
Edgewater, Maryland 21037

Applicant:

Hillsmere Shores
Improvement Association
P.O. Box 3485
Annapolis, Maryland 21043

Prepared by:



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Ecological Restoration
2141 Priest Bridge Drive, Suite 1
Crofton, Maryland 21114

EXISTING CONDITIONS

**HILLSMERE SHORES
COASTAL RESILIENCY PROJECT**

2ND Election District
Anne Arundel County, Maryland

SCALE: 1" = 50'

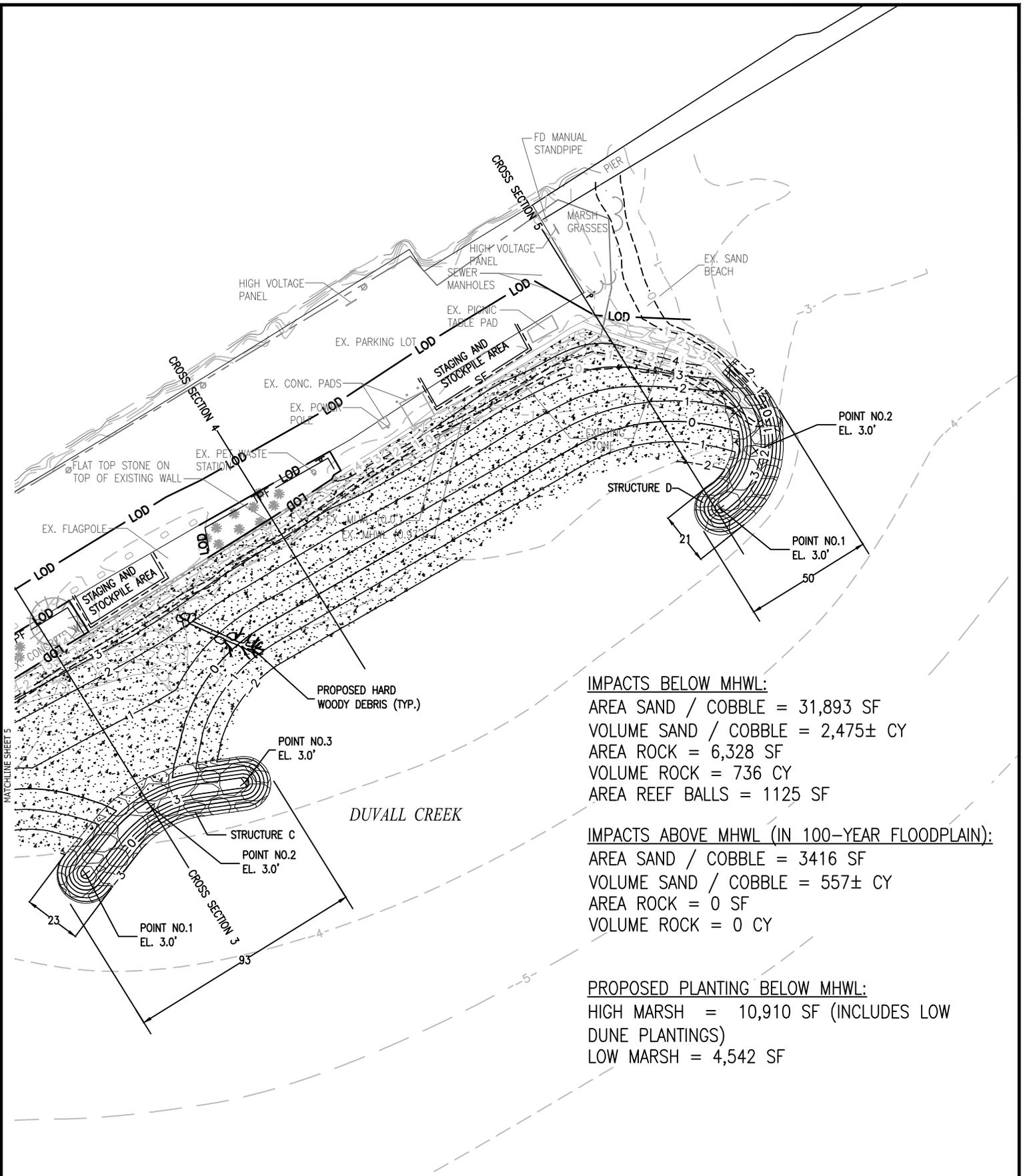
DATE: DECEMBER, 2023

ESA PROJECT NAME: 2021-31
Hillsmere Sand Spit\CAD



NORTH

SHEET: 4 of 15



IMPACTS BELOW MHWL:
 AREA SAND / COBBLE = 31,893 SF
 VOLUME SAND / COBBLE = 2,475± CY
 AREA ROCK = 6,328 SF
 VOLUME ROCK = 736 CY
 AREA REEF BALLS = 1125 SF

IMPACTS ABOVE MHWL (IN 100-YEAR FLOODPLAIN):
 AREA SAND / COBBLE = 3416 SF
 VOLUME SAND / COBBLE = 557± CY
 AREA ROCK = 0 SF
 VOLUME ROCK = 0 CY

PROPOSED PLANTING BELOW MHWL:
 HIGH MARSH = 10,910 SF (INCLUDES LOW DUNE PLANTINGS)
 LOW MARSH = 4,542 SF

<p>Prepared For:</p>  <p>2822 Solomons Island Road, #202 Edgewater, Maryland 21037</p>	<p>Applicant:</p> <p>Hillsmere Shores Improvement Association P.O. Box 3485 Annapolis, Maryland 21043</p>	<p>Prepared by:</p>  <p>Environmental Systems Analysis, Inc. Natural Resources Management Ecological Restoration 2141 Priest Bridge Drive, Suite 1 Crofton, Maryland 21114</p>	<p>IMPACT PLATES</p> <p>HILLSMERE SHORES COASTAL RESILIENCY PROJECT 2ND Election District Anne Arundel County, Maryland</p> <p>SCALE: 1"= 50' DATE: DECEMBER, 2023 ESA PROJECT NAME: 2021-31 Hillsmere Sand Spit\CAD</p> <p>NORTH</p> <p>SHEET: 6 of 15</p>
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 Prepared For:

 2822 Solomons Island Road, #202

 Edgewater, Maryland 21037

Applicant:

 Hillsmere Shores

 Improvement Association

 P.O. Box 3485

 Annapolis, Maryland 21043

Prepared by:


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 NORTH

HILLSMERE SHORES

COASTAL RESILIENCY PROJECT

 2ND Election District

 Anne Arundel County, Maryland

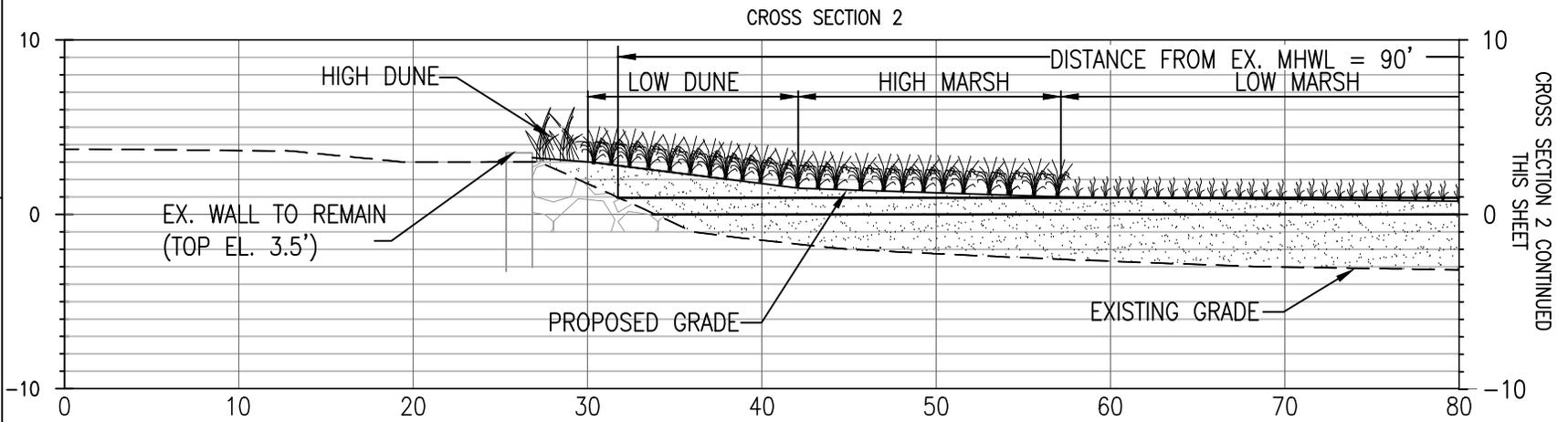
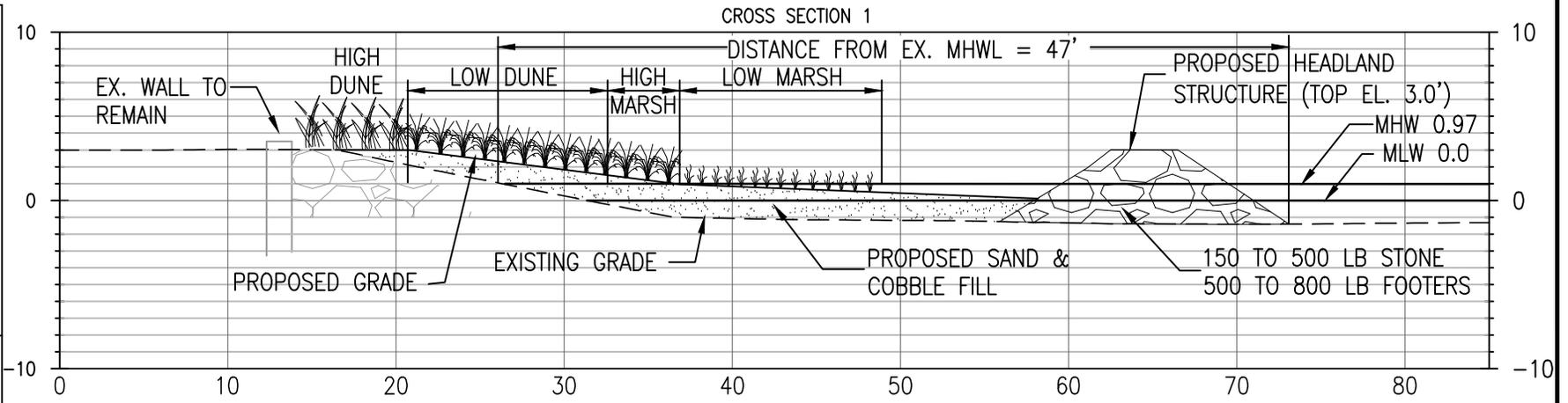
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 DATE: DECEMBER, 2023

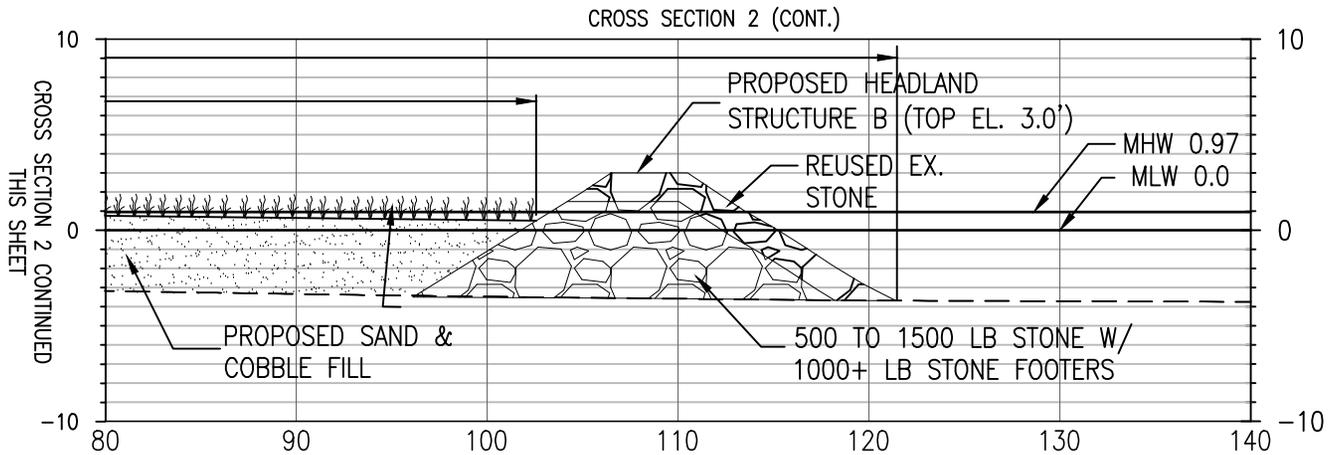
 ESA PROJECT NAME: 2021-31

 Hillsmere Sand Spill (CAD)

 SHEET: 7 of 15

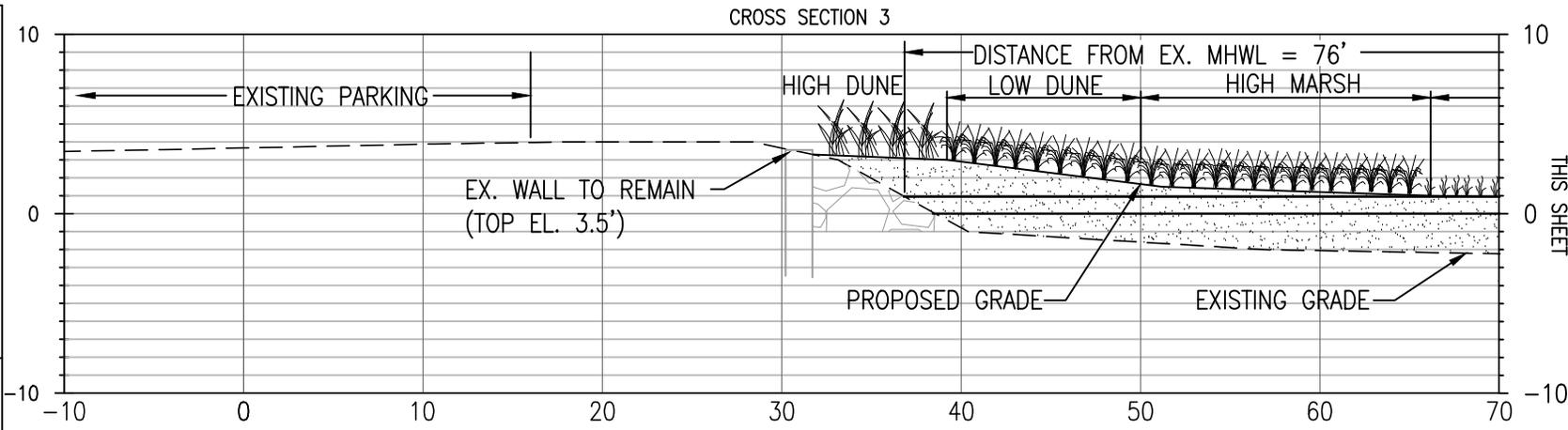


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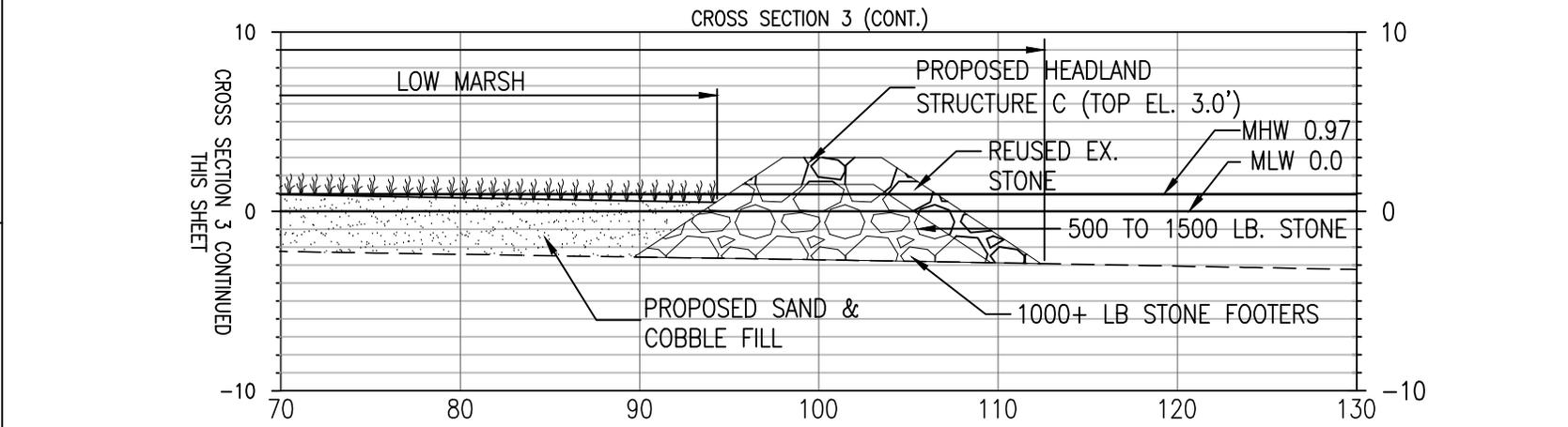


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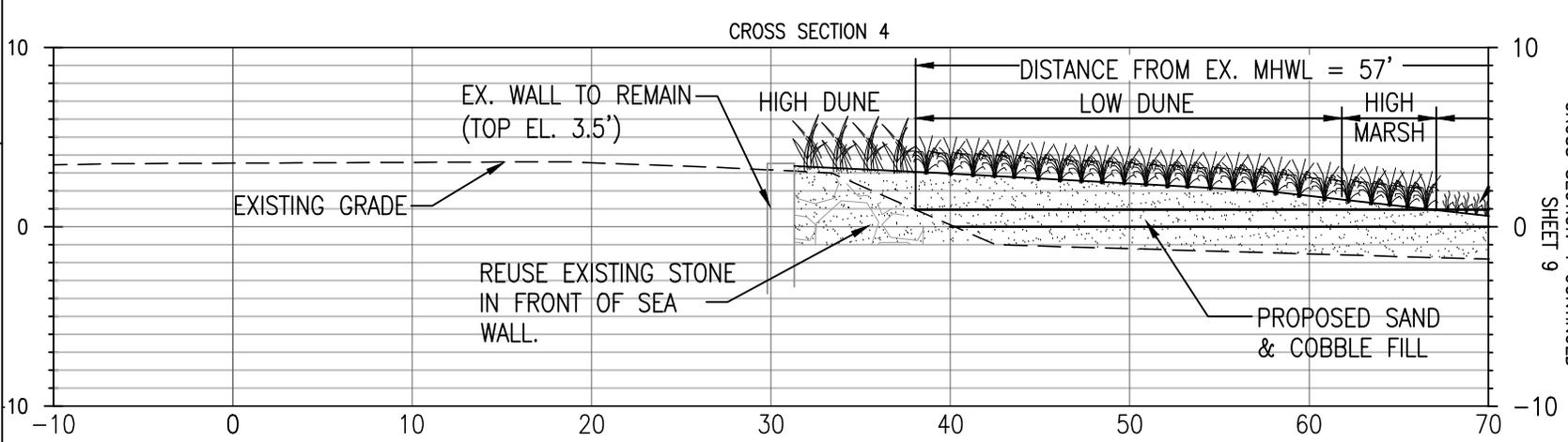
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CROSS SECTION 4 CONTINUED
SHEET 9



CROSS SECTION 4 CONTINUED
SHEET 9



Prepared For:

 **Arundel Rivers Federation**
 2822 Solomons Island Road, #202
 Edgewater, Maryland 21037

Applicant:

Hillsmere Shores Improvement Association
 P.O. Box 3485
 Annapolis, Maryland 21043

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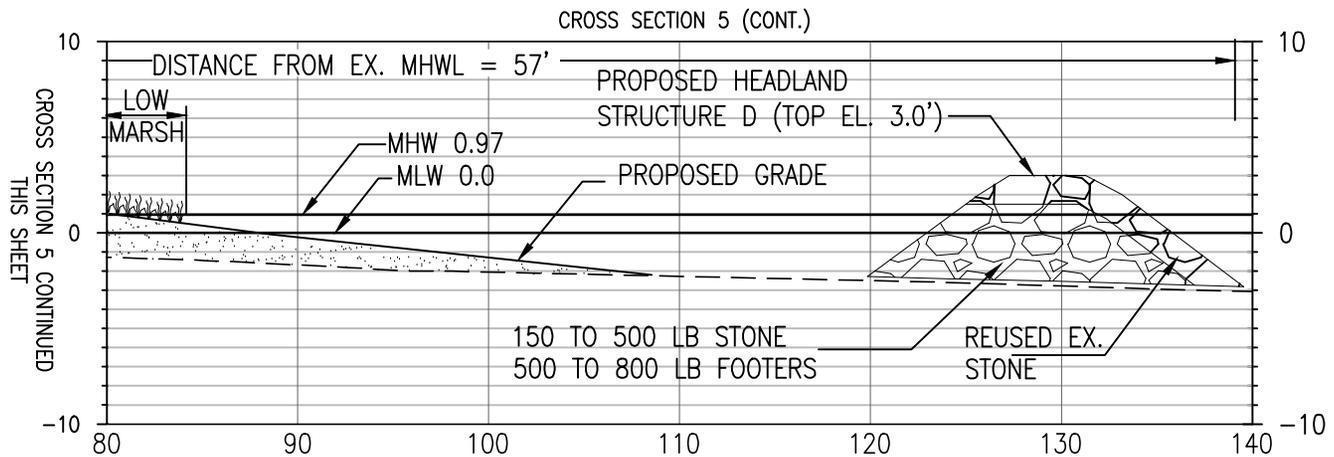
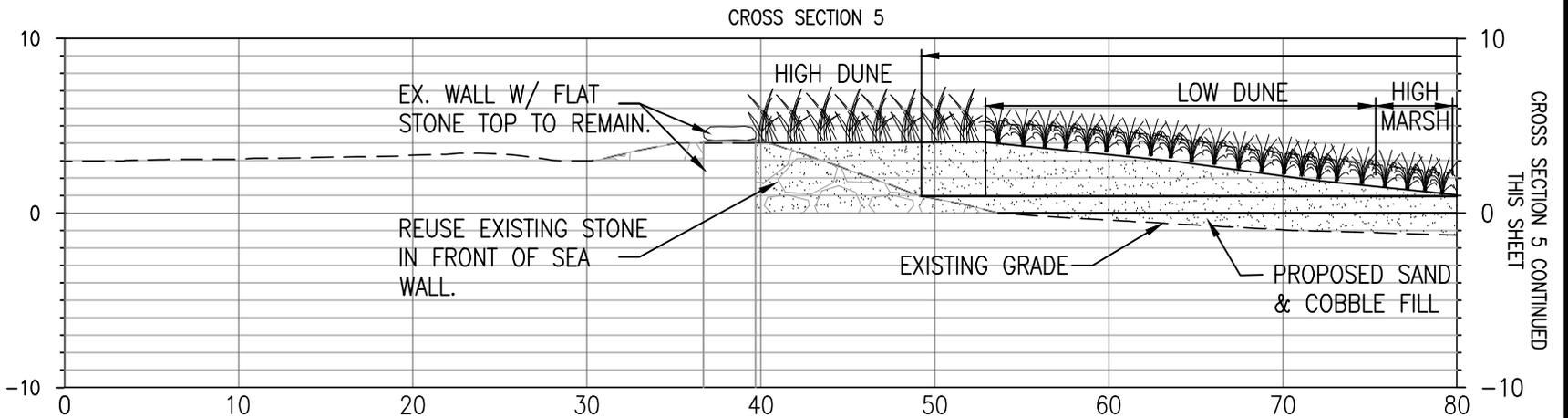
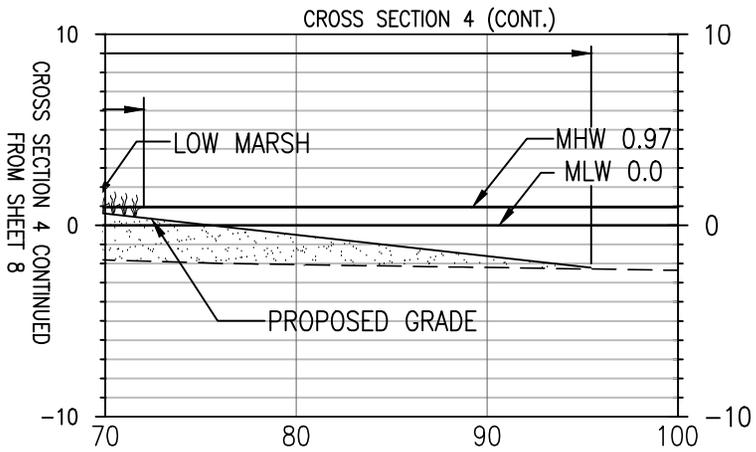
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CROSS SECTIONS

HILLSMERE SHORES COASTAL RESILIENCY PROJECT

2ND Election District
 Anne Arundel County, Maryland
 SCALE: 1" = 10'
 DATE: DECEMBER, 2023
 ESA PROJECT NAME: 2021-31 Hillsmere Sand Spill(CAD)
 SHEET: 8 of 15





Prepared For:

Arundel Rivers Federation
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 Edgewater, Maryland 21037

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CROSS SECTIONS

HILLSMERE SHORES COASTAL RESILIENCY PROJECT

2ND Election District
 Anne Arundel County, Maryland

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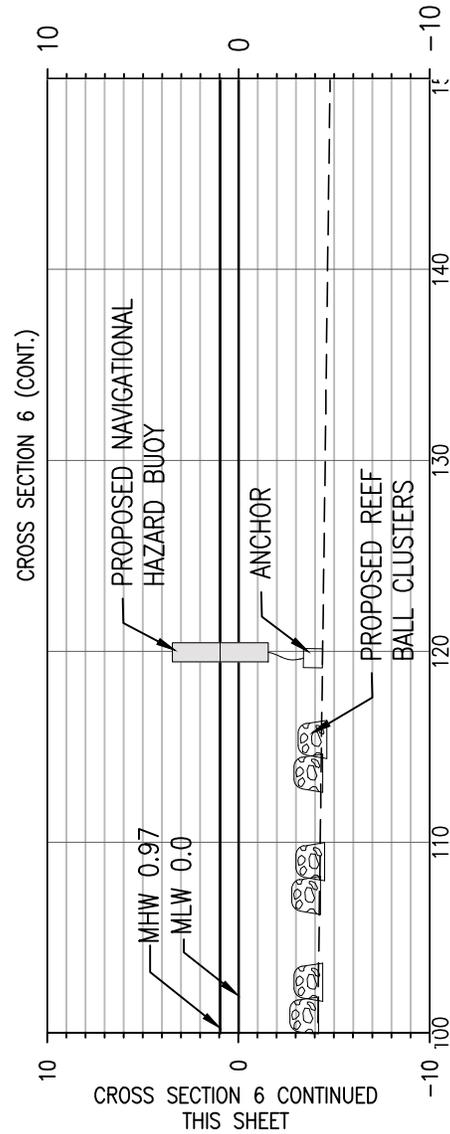
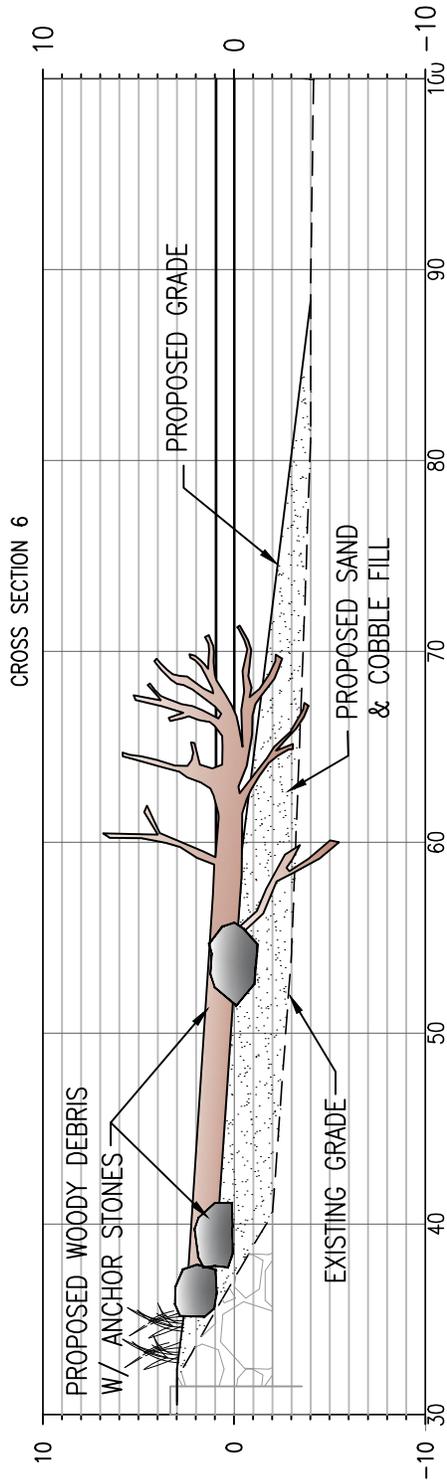
DATE: DECEMBER, 2023

ESA PROJECT NAME: 2021-31 Hillsmere Sand Spill(CAD)



SHEET: 9 of 15

CROSS SECTION 6 CONTINUED
THIS SHEET



Prepared For:



2822 Solomons Island Road, #202
Edgewater, Maryland 21037

Applicant:

Hillsmere Shores
Improvement Association
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Annapolis, Maryland 21043

Prepared by:

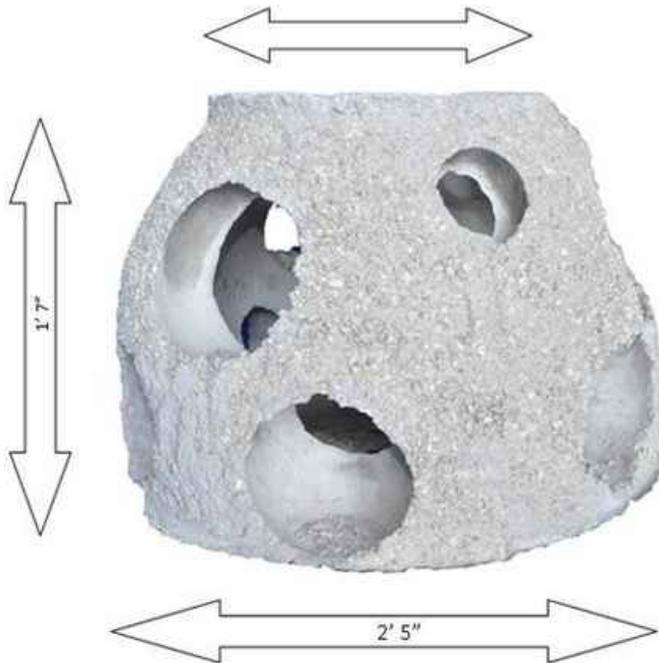


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CROSS SECTIONS	
HILLSMERE SHORES COASTAL RESILIENCY PROJECT	
2ND Election District Anne Arundel County, Maryland	
	SCALE: 1" = 10'
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ESA PROJECT NAME: 2021-31 Hillsmere Sand Spit\CAD	
SHEET: 10 of 15	



Mini Bay Reef Ball



- 1' 7" tall
- 2' 5" max. diameter
- surface area 29 sq ft
- average number of holes 14
- wavy bottom
- interconnecting holes
- aggregated exposed outside surface texture
- Weight 300 lbs.

Prepared For:



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REEF BALL DETAIL

**HILLSMERE SHORES
COASTAL RESILIENCY PROJECT**

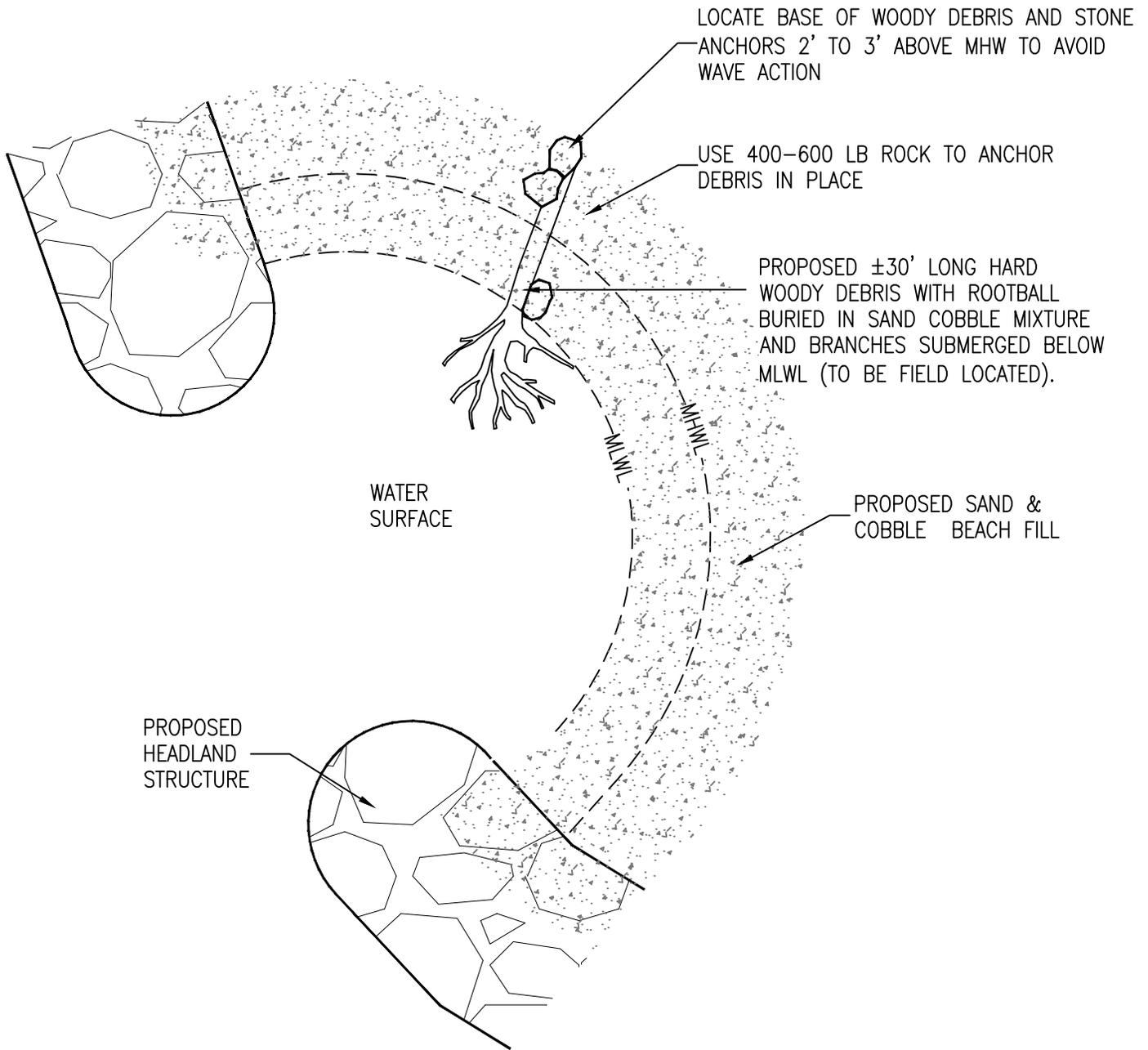
2ND Election District
Anne Arundel County, Maryland



NORTH

SCALE: NTS
DATE: DECEMBER, 2023
ESA PROJECT NAME: 2021-31
Hillsmere Sand Spit\CAD

SHEET: 11 of 15



Prepared For:



2822 Solomons Island Road, #202
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WOODY DEBRIS DETAIL

**HILLSMERE SHORES
COASTAL RESILIENCY PROJECT**

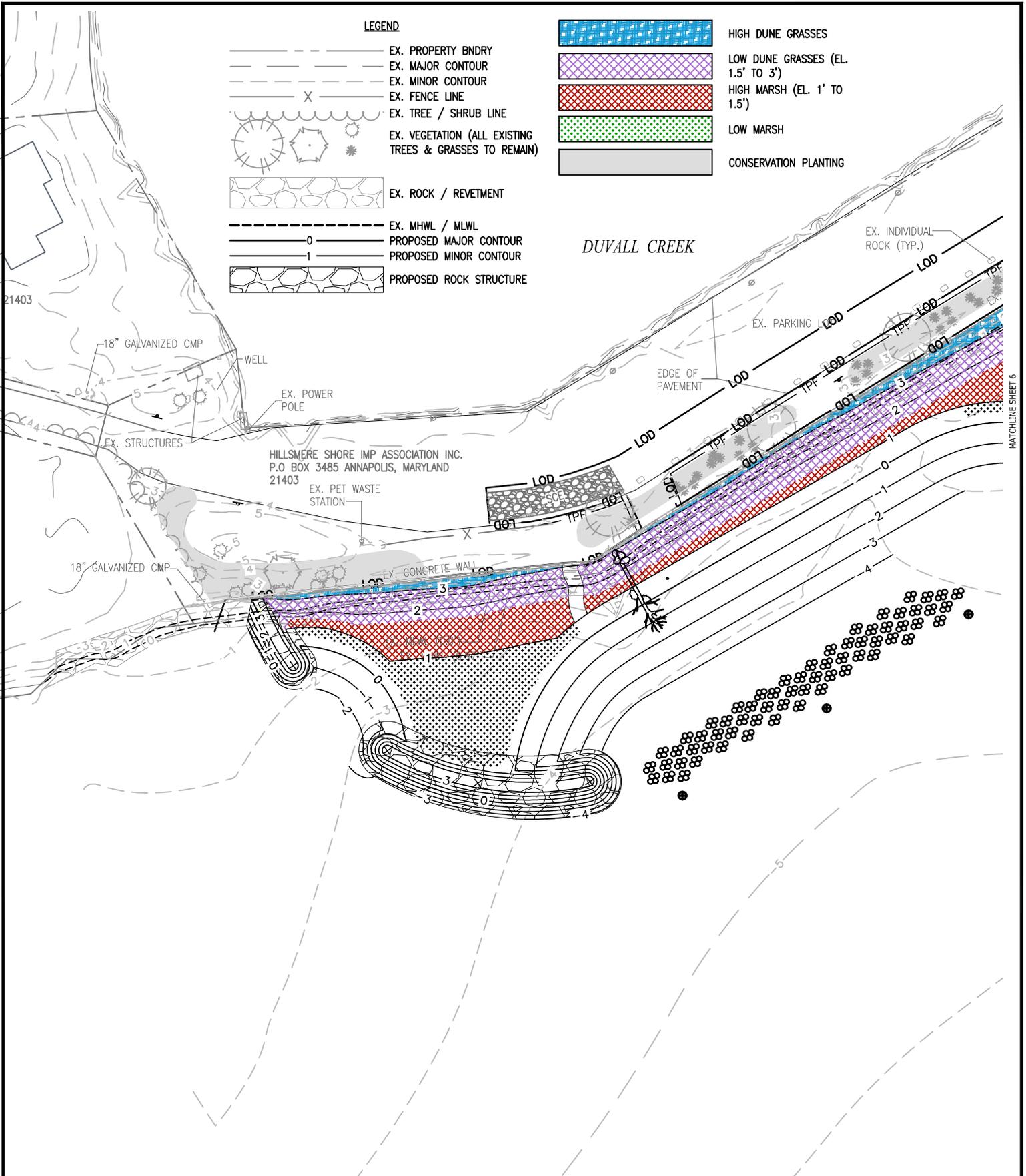
2ND Election District
Anne Arundel County, Maryland



NORTH

SCALE: NTS
DATE: DECEMBER, 2023
ESA PROJECT NAME: 2021-31
Hillsmere Sand Spit\CAD

SHEET: 11 of 15



21403

LEGEND

- EX. PROPERTY BNDRY
- - - EX. MAJOR CONTOUR
- - - EX. MINOR CONTOUR
- X - EX. FENCE LINE
- ○ ○ EX. TREE / SHRUB LINE
- ● ● EX. VEGETATION (ALL EXISTING TREES & GRASSES TO REMAIN)
- □ □ EX. ROCK / REVETMENT
- - - 0 EX. MHWL / MLWL
- - - 1 PROPOSED MAJOR CONTOUR
- - - 1 PROPOSED MINOR CONTOUR
- □ □ PROPOSED ROCK STRUCTURE

- HIGH DUNE GRASSES
- LOW DUNE GRASSES (EL. 1.5' TO 3')
- HIGH MARSH (EL. 1' TO 1.5')
- LOW MARSH
- CONSERVATION PLANTING

DUVALL CREEK

EX. INDIVIDUAL ROCK (TYP.)

EX. PARKING

EDGE OF PAVEMENT

HILLSMERE SHORE IMP ASSOCIATION INC.
P.O. BOX 3485 ANNAPOLIS, MARYLAND
21403

EX. PET WASTE STATION

18" GALVANIZED CMP

WELL

EX. POWER POLE

EX. STRUCTURES

18" GALVANIZED CMP

EX. CONCRETE WALL

MATCHLINE SHEET 6

Prepared For:



2822 Solomons Island Road, #202
Edgewater, Maryland 21037

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Hillsmere Shores
Improvement Association
P.O. Box 3485
Annapolis, Maryland 21043

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IMPACT PLATES

HILLSMERE SHORES COASTAL RESILIENCY PROJECT

2ND Election District
Anne Arundel County, Maryland

SCALE: 1" = 50'

DATE: DECEMBER, 2023

ESA PROJECT NAME: 2021-31
Hillsmere Sand Spit\CAD



NORTH

SHEET: 13 of 15

QTY.	SCIENTIFIC NAME	COMMON NAME	CONDITION	SIZE	SPACING
HIGH DUNE (3,603 S.F.)					
400	AMMOPHILA BREVILIGULATA	AMERICAN BEACHGRASS	PLUG	-	18" O.C.
400	PANICUM AMARUM	COASTAL PANIC GRASS	PLUG	-	18" O.C.
400	PANICUM VIRGATUM	SWITCHGRASS	PLUG	-	18" O.C.
400	SOLIDAGO SEMPERVIRENS	SEASIDE GOLDENROD	PLUG	-	18" O.C.

LOW DUNE (7,480 S.F. FROM EL. 1.0' TO 3.0')					
3400	SPARTINA PATENS	SALT MEADOW HAY	PLUG	-	18" O.C.

HIGH MARSH (4,230 S.F. FROM EL. 1.0' TO 1.5')					
1880	SPARTINA PATENS	SALT MEADOW HAY	PLUG	-	18" O.C.

LOW MARSH (4,542 S.F. FROM EL. 0.5' TO 1.0')					
2000	SPARTINA ALTERNIFOLIA	SALT MARSH CORD GRASS	PLUG	-	18" O.C.

NOTES:

- GRASSES SHALL BE PLANTED 2 INCHES BELOW NURSERY GROWN DEPTH.

Prepared For:


Arundel Rivers
 FEDERATION
 2822 Solomons Island Road, #202
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 Improvement Association
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PLANT SCHEDULE

HILLSMERE SHORES

COASTAL RESILIENCY PROJECT

2ND Election District
 Anne Arundel County, Maryland

SCALE:

DATE: DECEMBER, 2023

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 Hillsmere Sand Spill(CAD)

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SHEET: 15 of 15