



DEPARTMENT OF  
ENVIRONMENTAL PROGRAMS

**Worcester County**

GOVERNMENT CENTER  
ONE WEST MARKET STREET, ROOM 1306  
SNOW HILL, MARYLAND 21863  
TEL: 410.632.1220 / FAX: 410.632.2012

LAND PRESERVATION PROGRAM  
STORMWATER MANAGEMENT  
SEDIMENT AND EROSION CONTROL  
SHORELINE CONSTRUCTION  
AGRICULTURAL PRESERVATION  
ADVISORY BOARD

WELL & SEPTIC  
WATER & SEWER PLANNING  
PLUMBING & GAS  
CRITICAL AREAS/FORESTRY  
COMMUNITY HYGIENE

November 18, 2024

This notification is to advise you that the Department has received and is presently reviewing the following request for a shoreline construction project:

Worcester County Parks & Rec– Request No. 2024-096 - Request to remove and convert 230 linear feet of delapidated bulkhead into living shoreline comprised of low marsh and high marsh. Max channelward extension 25'. This project is located at 13236 Rollie Road East, Bishopville, also known as Tax Map 11, Parcel 2, Fifth Tax District of Worcester County, Maryland.

The Department in considering this application will make specific findings of fact with regard to the environmental impact, navigational impact, recreational potential, commercial benefit to Worcester County, impact of the proposed construction upon the surrounding neighborhood and upon property values therein, and any other pertinent issues. Approval from the Department does not guarantee approval from any other applicable regulatory agencies.

**If you have an interest which may be adversely affected by the issuance of this permit, you are requested to notify this Department in writing within fifteen (15) calendar days which will end on December 3, 2024.**

Sincerely,

Brandy Whitlock  
Environmental Inspector

cc: Interested Parties  
David Bradford, Deputy Director  
File



WORCESTER COUNTY  
SHORELINE CONSTRUCTION  
APPLICATION

Request No.: 2024-096  
Submission Date: 11-18-24

           Major Construction (\$300.00)

  X   Minor Construction (\$150.00)

**Written Description of Proposed Improvement (include channelward distance):**

The MD DNR is proposing to remove and then convert 230 LF of delapidated bulkhead into living shoreline comprised of low marsh and  
high marsh. Max channelward distance 25 feet.

**Property Description:**

Map: 11 Parcel: 2 Lot:            Section:            Block:            Tax District: 05

Street Address: 13236 Rollie Road East, Bishopville, MD, 21813-000

Subdivision: 0000

Dwelling on lot: yes Dwelling under construction:            Vacant: yes Commercial:           

Owner: Worcester County Parks and Rec.

Phone No. 410-632-2144 x2521

Mailing Address: 630 Public Landing Rd, Snow Hill, MD 21863-2402

E-Mail Address: jstephens@co.worcester.md.us

Contractor: MD DNR

Phone No.: 4104405699

Mailing Address: 580 Taylor Ave, Annapolis, MD 21401

E-Mail Address: samuel.eckert@maryland.gov

**Recorded Adjacent Property Owner:** LOWE MARK ADAMS & LOWE NANCY R FOR LIFE

Property Address: 13242 ROLLIE RD EAST BISHOPVILLE MD 21813

Tax Map: 0004 Parcel: 0025 Lot: 17 Section:            Block:           

**Recorded Adjacent Property Owner:** KARLEWICZ CHESTER J KARLEWICZ ANNETTE V

Property Address: 13232 ROLLIE RD EAST BISHOPVILLE MD 21813

Tax Map: 0004 Parcel: 0025 Lot: 18 Section:            Block:           

As the applicant, I attest that the information presented on this application, site plan and any written documentation attached hereto is known to be accurate. I understand that the proposed shoreline improvement will be constructed to meet or exceed minimum design standards adopted by the Department. Any deviation from these standards will require construction plans sealed by an engineer registered in the State of Maryland. I acknowledge that any falsification of information presented may result in revocation of this approval and of the subsequent Shoreline Construction Permit.

[Signature] 11/13/24  
Owner/Applicant's Signature Date

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**DEPT. USE ONLY:**

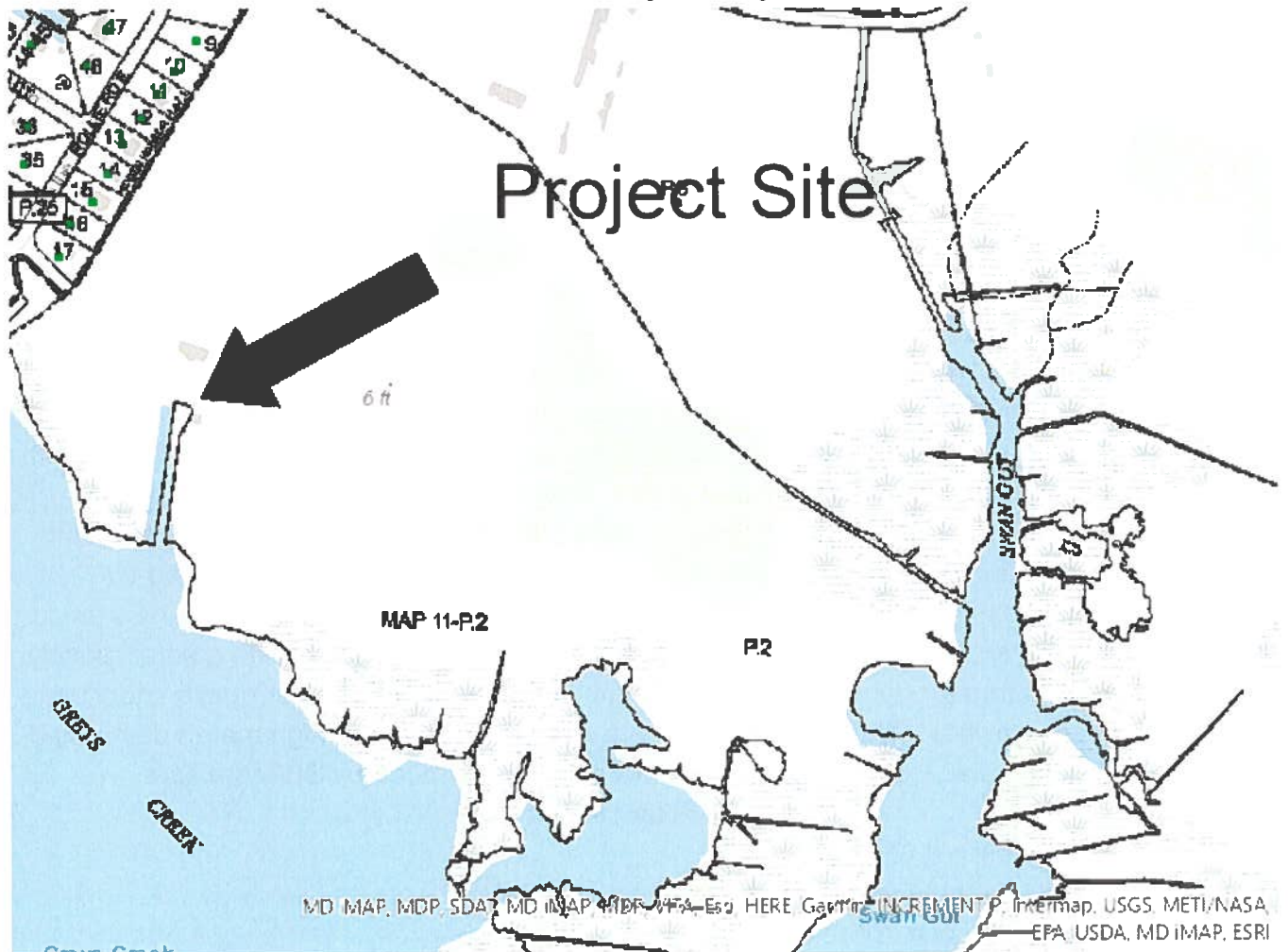
Notification Distribution Date: 11-18-24 Public Comment Deadline: 12/3/24 (15 calendar days)

Department Approval Date:            Expiration:

Living Shoreline Permit Drawings  
Prepared for Worcester County Parks and Recreation

C/O WORC CTY PARK & REC  
6030 PUBLIC LANDING RD  
SNOW HILL MD 21863-2402

In the 5th Election District  
Worcester County, Maryland



Prepared by Samuel J Eckert  
[samuel.eckert@maryland.gov](mailto:samuel.eckert@maryland.gov)

410.440.5699

Please contact Samuel J Eckert with any questions.

*Living Shoreline Project for:* WORC CTY PARK & REC 6030 PUBLIC LANDING RD SNOW HILL MD 21863-2402

*Project Address:* 13236 Rollie Road East, Bishopville, MD 21813-0000 38.44614002980791, -75.1190736361852

## Project description

This parcel was acquired by the State of Maryland and Worcester County in 2006 with the assistance of NOAA Coastal and Estuarine Land Conservation Program (CELCP) funds. The property is 571.18 Acres situated just south of the Delaware Line and is composed of upland coastal forest, forested wetland, sensitive tidal and non tidal wetland, and a small amount of lawn. The previous owners of the property dug a canal and boat basin with an average depth of 3ft, width of 30ft and length of 460ft. The boat basin has a max width of 50'.

In 2011 Worcester County worked with DNR and MD Coastal Bays to convert roughly 750 linear feet of bulkhead into living shoreline. The living shoreline was constructed by deconstructing the bulkhead from elevation +3 to elevation 0, excavating the fill dirt behind the bulkhead, then adding sand and marsh plants to create low marsh and high marsh. No material was added channelward of the existing bulkhead and no work was completed around the boat basin area so as to maintain the channel and boat basin as navigable water for future use. 13 years later the bulkhead in the boat basin area is now failing and in need of repair or decommissioning.

This living shoreline proposal is to decommission the old failing creosote bulkhead and restore the critical habitat transitions from shallow water to upland with a stable gradual slope of sand fill dominated by tidal wetland vegetation. Worcester County also would like to maintain an 8' wide section un-vegetated to allow for a soft launch for canoes and kayaks into the protected canal. This property is used by Maryland Coastal Bays Program for Environmental education and would serves as a safe launch site for paddle craft. This gradual slope could also provide a safe transition into tidal waters for environmental education activities such as water quality monitoring or fishing activities. This project will create 2240 square feet of high marsh dominated by *S. Patens* and 1,600 square feet of low marsh dominated by *S. Alterniflora*.

### Project Metrics:

Clean sand Fill = 442 CY

Wood chips for haul road and stabilization = 53.7 CY

Excavated borrow = 105.2 CY

Low Marsh Created = 1600 SQ FT

High Marsh Created = 2240 SQ FT

Proposed trial SAV planting area = 3000 SQ FT

Dilapidated bulkhead removal = 230 LF

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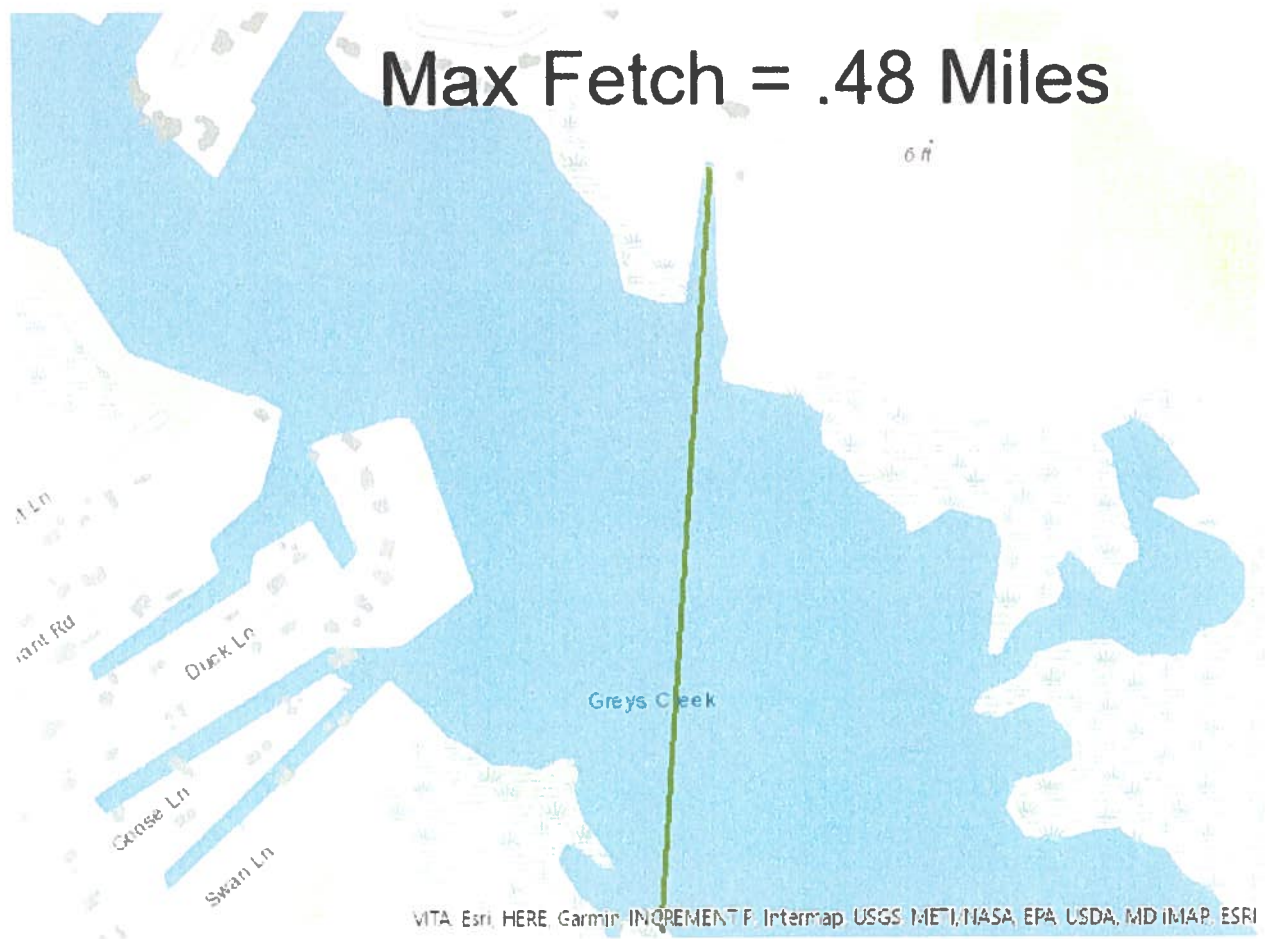
## Vicinity Map and Aerial Photo



## Project Vicinity Conditions

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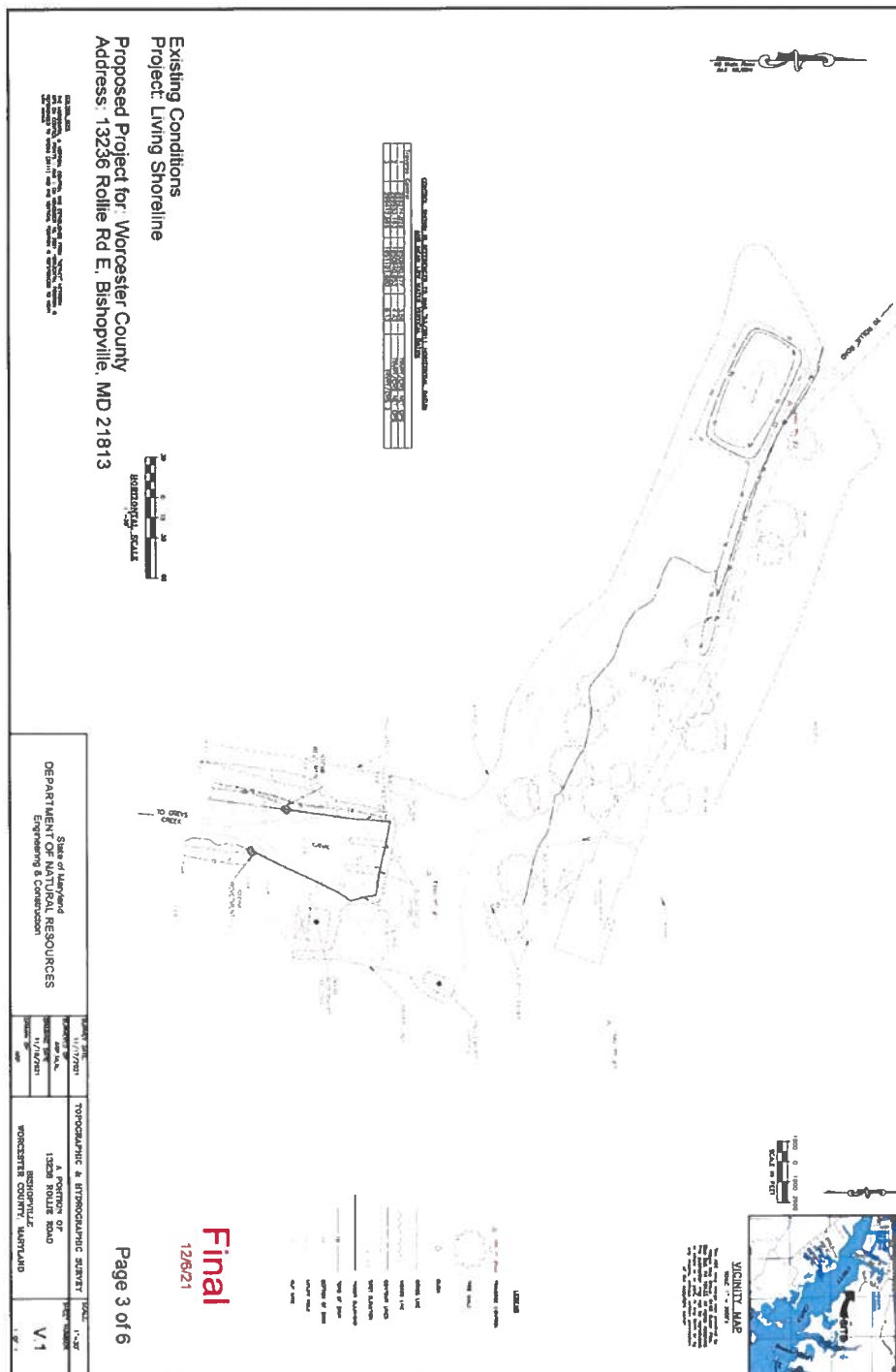


The project area has a low potential for wind driven waves given that it is at the end of a long narrow canal with a maximum depth of 3'. The only exposure is directly from the south with a maximum fetch of .48 miles. The living shoreline therefore does not need large structural components and can therefore focus on habitat creation and connectivity.

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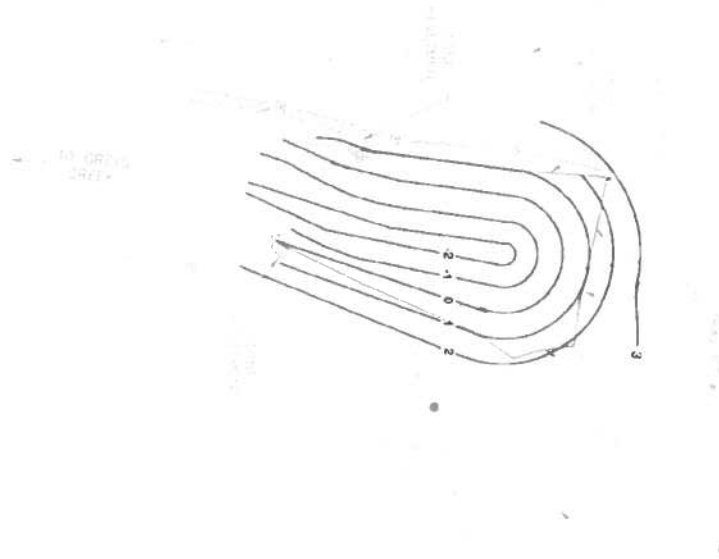
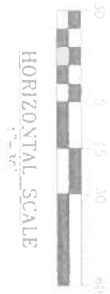
## Existing Conditions



*Living Shoreline Project for: WORC CTY PARK & REC 6030 PUBLIC LANDING RD SNOW HILL MD 21863-2402*

**Project Address:** 13236 Rollie Road East, Bishopville, MD 21813-0000 38.44614002980791, -75.1190736361852

## Proposed Conditions

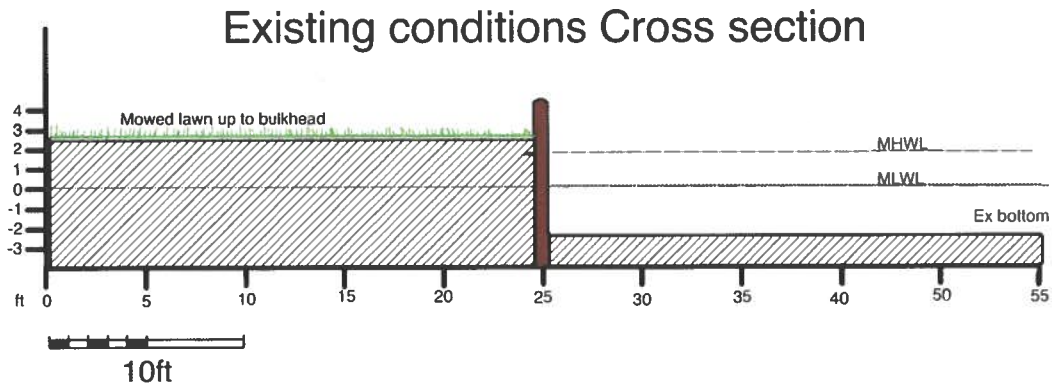


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*Living Shoreline Project for:* WORC CTY PARK & REC 6030 PUBLIC LANDING RD SNOW HILL MD 21863-2402

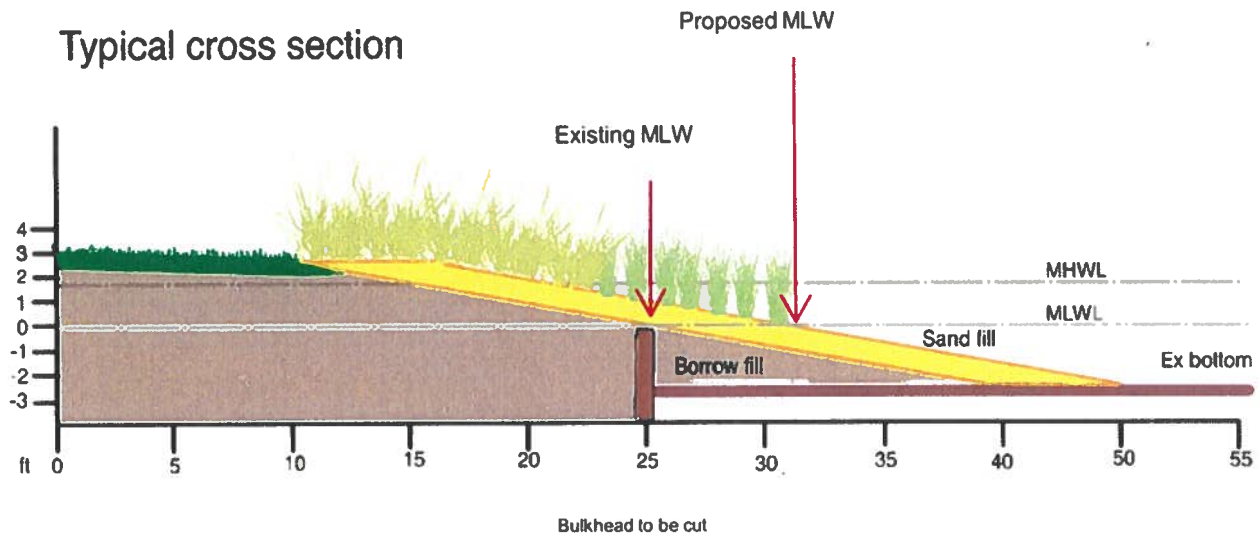
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The existing conditions of the shoreline within the project area are mowed lawn up to a failing bulkhead with no connectivity to tidal water. Due to failing bulkhead sheets, tidal influence, and upland stormwater draining off the lawn, gaps and holes due to erosion have formed behind the bulkhead and continue to grow larger.

## Proposed Cross Section



Just as with the previous living shoreline restoration project in the canal section we are proposing to cut and remove the bulkhead down to elevation 0 (MLW) and or remove entirely if practicable. We would then grade behind the bulkhead to 1 foot below target elevation on a 7 to 1 slope, place excavated material channelward of the bulkhead and then cap the entire wedge with 1 foot of clean sand. This sand layer would then be planted with *S. Patens* and *S. Alterniflora* to create the high and low marsh portions of the shoreline. This approach would reconnect the myriad habitats existing at the tidal interface.

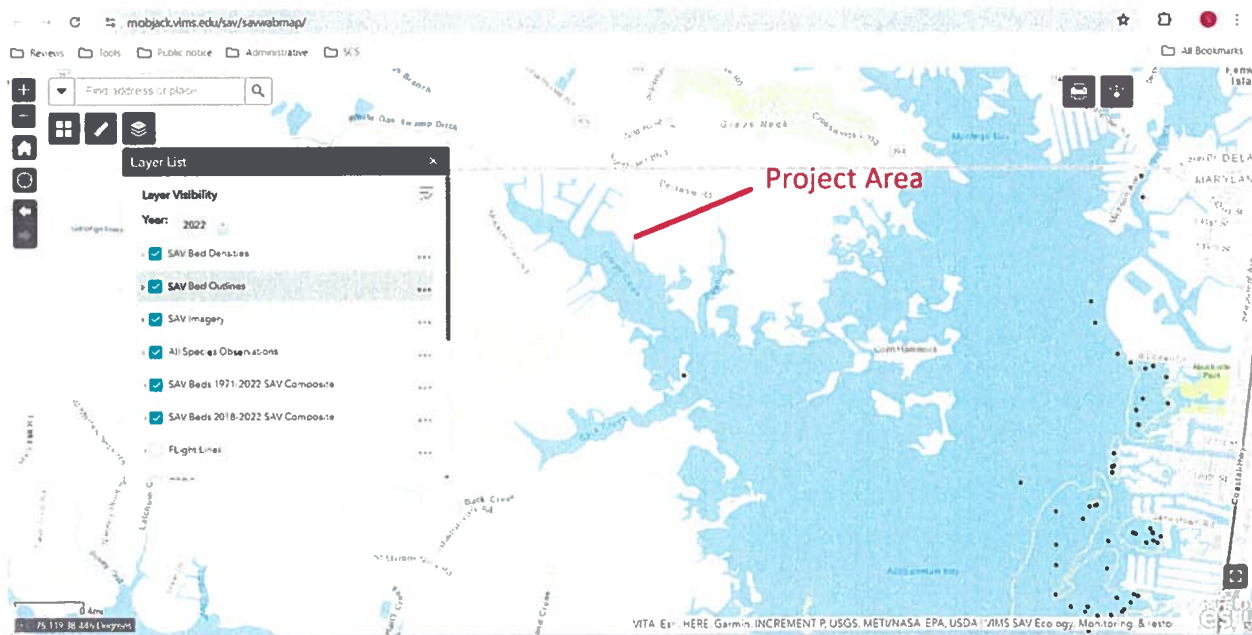
The map shows a property with several features and annotations:

- Topography and Vegetation:** The map includes labels for "WOODS", "GRASS", and "SHALE". There are numerous trees represented by cloud-like shapes, with some labeled "18\" CEDAR", "20\" CEDAR", "24\" CEDAR", and "30\" CEDAR".
- Infrastructure:** A "GRAVEL DRIVE" is shown on the left side. A "WELL" is indicated on the right side.
- Buildings and Structures:** A "ONE STORY BRICK HOUSE" is shown on the right. A "SEPTIC CLEAN OUT" and "SEPTIC TANKS" are also labeled.
- Proposed and Temporary Features:**
  - A "Temporary Sand and Woodchip haul road = 1,755.9ft²" is shown as a dashed line.
  - A "Proposed soft launch to remain unvegetated 80 ft²" is shown as a shaded area.
  - A "2,240 ft² of high marsh S. Patens" area is indicated.
  - A "1,600 ft² of low marsh S. Alterniflora" area is indicated.
  - A "3,000 ft² of open water remaining" area is indicated.
- Other Features:** A "FRAME ACCESSORY BUILDING" is shown on the far right. A "TO GREYS CREEK" arrow points towards the bottom right.
- Scale and Orientation:** A north arrow is located in the top right corner. A scale bar at the bottom left indicates distances of 0, 15, 30, and 60 feet, with the text "HORIZONTAL SCALE 1\" = 30\"".

- Living Shoreline Project for: WORC CTY PARK & REC 6030 PUBLIC LANDING RD SNOW HILL MD 21863-2402*

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## Absence of SAV



According to available mapping tools and physical observations there is no presence of SAV within the proposed work area. There is an ongoing effort to attempt seeding of SAV after the proposed work has been completed. This effort is being coordinated between Maryland Coastal Bays Program and Maryland Department of Natural Resources.

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