

**From:** [Gregory "Mike" Henrich](#)  
**To:** [MRC - jpa Permits](#)  
**Subject:** DAMON HORSLEY 6627 TAPPAN LN GLOUCESTER JPA #  
**Date:** Wednesday, April 23, 2025 3:36:37 PM  
**Attachments:** [Outlook-mly4tyvb.png](#)  
[DAMON HORSLEY 6627 TAPPAN LN GLOUCESTER JPA #.pdf](#)



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DAMON HORSLEY 6627 TAPPAN LN GLOUCESTER JPA #

Mike Henrich  
Permit Division LLC  
Shoreline Design and Permits  
Permitdivision@gmail.com  
757 337 7225



- ❖ DEQ: Permit application fees required for Virginia Water Protection permits – while detailed in 9VAC25-20 – are conveyed to the applicant by the applicable DEQ office (<http://www.deq.virginia.gov/Locations.aspx>). Complete the Permit Application Fee Form and submit it per the instructions to the address listed on the form. Instructions for submitting any other fees will be provided to the applicant by DEQ staff.
- ❖ VMRC: An application fee of \$300 may be required for projects impacting tidal wetlands, beaches and/or dunes when VMRC acts as the LWB. VMRC will notify the applicant in writing if the fee is required. Permit fees involving subaqueous lands are \$25.00 for projects costing \$10,000 or less and \$100 for projects costing more than \$10,000. Royalties may also be required for some projects. The proper permit fee and any required royalty is paid at the time of permit issuance by VMRC. VMRC staff will send the permittee a letter notifying him/her of the proper permit fees and submittal requirements.
- ❖ LWB: Permit fees vary by locality. Contact the LWB for your project area or their website for fee information and submittal requirements. Contact information for LWBs may be found at [http://ccrm.vims.edu/permits\\_web/guidance/local\\_wetlands\\_boards.html](http://ccrm.vims.edu/permits_web/guidance/local_wetlands_boards.html).

FOR AGENCY USE ONLY	
	Notes:
	JPA # 2025-0867

## APPLICANTS

### Part 1 – General Information

**PLEASE PRINT OR TYPE ALL ANSWERS:** If a question does not apply to your project, please print N/A (not applicable) in the space provided. If additional space is needed, attach 8-1/2 x 11 inch sheets of paper.

<i>Check all that apply</i>				
Pre-Construction Notification (PCN) <input type="checkbox"/>	PASDO – PGP Self Verification <input type="checkbox"/>			
NWP # _____ (For Nationwide Permits ONLY - No DEQ-VWP permit writer will be assigned)	(Replaces Regional Permit 17 (RP-17) checklist)			
County or City in which the project is located: Gloucester				
Waterway at project site: North River				
<b>PREVIOUS ACTIONS RELATED TO THE PROPOSED WORK (Include all federal, state, and local pre application coordination, site visits, previous permits, or applications whether issued, withdrawn, or denied)</b>				
Historical information for past permit submittals can be found online with VMRC - <a href="https://webapps.mrc.virginia.gov/public/habital/">https://webapps.mrc.virginia.gov/public/habital/</a> - or VIMS - <a href="http://ccrm.vims.edu/pems/newpermits.html">http://ccrm.vims.edu/pems/newpermits.html</a>				
Agency	Action / Activity	Permit/Project number, including any non-reporting Nationwide permits previously used (e.g., NWP 13)	Date of Action	If denied, give reason for denial
VMRC	APPROVED JPA	22-2754	11/2022	

## Part 1 - General Information (continued)

1. Applicant's legal name\* and complete mailing address: Contact Information:

Damon D. Horsley  
7104 George Washington Memorial Hwy  
Gloucester, VA 23061

Home ( ) \_\_\_\_\_  
Work ( ) \_\_\_\_\_  
Fax ( ) \_\_\_\_\_  
Cell (804 ) 824-4612  
e-mail damonandcompanyllc@gmail.com

State Corporation Commission Name and ID Number (if applicable) \_\_\_\_\_

2. Property owner(s) legal name\* and complete address, if different from applicant: Contact Information:

Home ( ) \_\_\_\_\_  
Work ( ) \_\_\_\_\_  
Fax ( ) \_\_\_\_\_  
Cell ( ) \_\_\_\_\_  
e-mail \_\_\_\_\_

State Corporation Commission Name and ID Number (if applicable) \_\_\_\_\_

3. Authorized agent name\* and complete mailing address (if applicable):

PERMIT DIVISION LLC  
PO Box 1021  
West Point VA 23181

Contact Information:

Home ( ) \_\_\_\_\_  
Work ( ) \_\_\_\_\_  
Fax ( ) \_\_\_\_\_  
Cell (757 ) 3377225  
e-mail Permitdivision@gmail.com

State Corporation Commission Name and ID Number (if applicable) \_\_\_\_\_

**\* If multiple applicants, property owners, and/or agents, each must be listed and each must sign the applicant signature page.**

4. Provide a detailed description of the project in the space below, including the type of project, its dimensions, materials, and method of construction. Be sure to include how the construction site will be accessed and whether tree clearing and/or grading will be required, including the total acreage. If the project requires pilings, please be sure to include the total number, type (e.g. wood, steel, etc), diameter, and method of installation (e.g. hammer, vibratory, jetted, etc). If additional space is needed, provide a separate sheet of paper with the project description.

Approximately 43 linear feet of riprap revetment is also proposed in an area currently covered with concrete rubble. The rubble will be removed and stockpiled. The rubble will be broken into smaller pieces and used as core material for the revetment. The revetment will be installed on filter cloth and a mixture of class 1 and class 2 stone will be utilized as armor over the broken concrete. Install a one foot concrete bulkhead extension on top of the existing bulkhead b the extension will not exceed any existing foot print.

No clearing will be required. The site will be accessed from the upland

No grading or tree clearing will be need to complete this project.

The project will be accessed by barge and the use of logging mats installing Piles with vibratory hammer.

## Part 1 - General Information (continued)

5. Have you obtained a contractor for the project? ☒ Yes\* ☐ No. \*If your answer is "Yes" complete the remainder of this question and submit the Applicant's and Contractor's Acknowledgment Form (enclosed)

Contractor's name\* and complete mailing address:

Contact Information:

Home ( ) \_\_\_\_\_

Work ( ) \_\_\_\_\_

Fax ( ) \_\_\_\_\_

Cell ( ) \_\_\_\_\_

email \_\_\_\_\_

State Corporation Commission Name and ID Number (if applicable) \_\_\_\_\_

**\* If multiple contractors, each must be listed and each must sign the applicant signature page.**

6. List the name, address and telephone number of the newspaper having general circulation in the area of the project. Failure to complete this question may delay local and State processing.

Name and complete mailing address:

Telephone number

Gloucester Mathews Gazette Journal  
Post Office Box 2060, Gloucester, VA 23061  
\*(direct billing to Applicant)

(804 ) 693 3101

**Bill applicant**

7. Give the following project location information:

Street Address (911 address if available) 6627 Tappan Lane

Lot/Block/Parcel# 34-269 **RPC: 19941**

Subdivision \_\_\_\_\_

City / County Gloucester ZIP Code 23061

Latitude and Longitude at Center Point of Project Site (Decimal Degrees):

37.391441 / -76.415869 (Example: 36.41600/-76.30733)

If the project is located in a rural area, please provide driving directions giving distances from the best and nearest visible landmarks or major intersections. *Note: if the project is in an undeveloped subdivision or property, clearly stake and identify property lines and location of the proposed project. A supplemental map showing how the property is to be subdivided should also be provided.*

Located easily

8. What are the *primary and secondary purposes of and the need for* the project? For example, the primary purpose may be "to protect property from erosion due to boat wakes" and the secondary purpose may be "to provide safer access to a pier."

Primary The project is to provide enhanced erosion control.

## Part 1 - General Information (continued)

9. Proposed use (check one):

☒ Single user (private, non-commercial, residential)

☐ Multi-user (community, commercial, industrial, government)

10. Describe alternatives considered and the measures that will be taken to avoid and minimize impacts, to the maximum extent practicable, to wetlands, surface waters, submerged lands, and buffer areas associated with any disturbance (clearing, grading, excavating) during and after project construction. *Please be advised that unavoidable losses of tidal wetlands and/or aquatic resources may require compensatory mitigation.*

. The riprap revetment is confined to an area currently impacted by concrete rubble. The concrete extension will not impact any new footprint

11. Is this application being submitted for after-the-fact authorization for work which has already begun or been completed? ☐ Yes ☒ No. If yes, be sure to clearly depict the portions of the project which are already complete in the project drawings.

12. Approximate cost of the entire project (materials, labor, etc.): \$ 30K

Approximate cost of that portion of the project that is channelward of mean low water:

\$ \_\_\_\_\_

13. Completion date of the proposed work: TBD

-

14. Adjacent Property Owner Information: List the name and complete mailing address, including zip code, of each adjacent property owner to the project. (NOTE: If you own the adjacent lot, provide the requested information for the first adjacent parcel beyond your property line.) Failure to provide this information may result in a delay in the processing of your application by VMRC.

Justin C. Barber and Emma J. Barber  
6649 Tappan Lane  
Gloucester, VA 23061

George S. Yeh and Elizabeth C. Yeh  
13292 Regina Ct.  
Carmel, IN 46074



## Part 2 - Signatures

### 1. Applicants and property owners (if different from applicant).

**NOTE: REQUIRED FOR ALL PROJECTS**

**PRIVACY ACT STATEMENT:** The Department of the Army permit program is authorized by Section 10 of the Rivers and Harbors Act of 1899, Section 404 of the Clean Water Act, and Section 103 of the Marine Protection Research and Sanctuaries Act of 1972. These laws require that individuals obtain permits that authorize structures and work in or affecting navigable waters of the United States, the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters prior to undertaking the activity. Information provided in the Joint Permit Application will be used in the permit review process and is a matter of public record once the application is filed. Disclosure of the requested information is voluntary, but it may not be possible to evaluate the permit application or to issue a permit if the information requested is not provided.

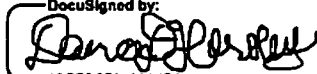
**CERTIFICATION:** I am hereby applying for all permits typically issued by the DEQ, VMRC, USACE, and/or Local Wetlands Boards for the activities I have described herein. I agree to allow the duly authorized representatives of any regulatory or advisory agency to enter upon the premises of the project site at reasonable times to inspect and photograph site conditions, both in reviewing a proposal to issue a permit and after permit issuance to determine compliance with the permit.

In addition, I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

**DAMON HORSLEY**

Applicant's Legal Name (printed/typed)

(Use if more than one applicant)

DocuSigned by:  
  
6D7ED5F312DA4B8...

Applicant's Signature

(Use if more than one applicant)

3/5/2025

Date

Property Owner's Legal Name (printed/typed)  
(If different from Applicant)

(Use if more than one owner)

Property Owner's Signature

(Use if more than one owner)

Date

## Part 2 – Signatures (continued)

### 2. Applicants having agents (if applicable)

#### CERTIFICATION OF AUTHORIZATION

I (we), DAMON HORSLEY, hereby certify that I (we) have authorized Gregory "Mike" Henrich  
(Applicant's legal name(s)) (Agent's name(s))

to act on my behalf and take all actions necessary to the processing, issuance and acceptance of this permit and any and all standard and special conditions attached.

We hereby certify that the information submitted in this application is true and accurate to the best of our knowledge.

Gregory Henrich  
(Agent's Signature)

\_\_\_\_\_  
(Use if more than one agent)

3/5/2025  
(Date)

DocuSigned by:  
Damon Horsley  
8D7ED5F3129A488...  
(Applicant's Signature)

\_\_\_\_\_  
(Use if more than one applicant)

3/5/2025  
(Date)

### 3. Applicant's having contractors (if applicable)

#### CONTRACTOR ACKNOWLEDGEMENT

I (we), DAMON HORSLEY, have contracted TBD  
(Applicant's legal name(s)) (Contractor's name(s))  
to perform the work described in this Joint Permit Application, signed and dated TBD.

We will read and abide by all conditions set forth in all Federal, State and Local permits as required for this project. We understand that failure to follow the conditions of the permits may constitute a violation of applicable Federal, state and local statutes and that we will be liable for any civil and/or criminal penalties imposed by these statutes. In addition, we agree to make available a copy of any permit to any regulatory representative visiting the project to ensure permit compliance. If we fail to provide the applicable permit upon request, we understand that the representative will have the option of stopping our operation until it has been determined that we have a properly signed and executed permit and are in full compliance with all terms and conditions.

\_\_\_\_\_  
Contractor's name or name of firm

\_\_\_\_\_  
Contractor's or firms address

\_\_\_\_\_  
Contractor's signature and title

\_\_\_\_\_  
Contractor's License Number

\_\_\_\_\_  
Applicant's signature

\_\_\_\_\_  
(use if more than one applicant)

\_\_\_\_\_  
Date

## Part 2 – Signatures (continued)

### ADJACENT PROPERTY OWNER'S ACKNOWLEDGEMENT FORM

I (we), Justin C. Barber and Emma J. Barber, own land next to (across the water  
(Print adjacent/nearby property owner's name)

from/on the same cove as) the land of DAMON HORSLEY.  
(Print applicant's name(s))

I have reviewed the applicant's project drawings dated \_\_\_\_\_  
(Date)

to be submitted for all necessary federal, state and local permits.

I HAVE NO COMMENT \_\_\_\_\_ ABOUT THE PROJECT.

I DO NOT OBJECT \_\_\_\_\_ TO THE PROJECT.

I OBJECT \_\_\_\_\_ TO THE PROJECT.

**The applicant has agreed to contact me for additional comments if the proposal changes prior to construction of the project.**

(Before signing this form be sure you have checked the appropriate option above).

\_\_\_\_\_  
Adjacent/nearby property owner's signature(s)

\_\_\_\_\_  
Date

**Note: If you object to the proposal, the reason(s) you oppose the project must be submitted in writing to VMRC. An objection will not necessarily result in denial of the project; however, valid complaints will be given full consideration during the permit review process.**



## Part 2 – Signatures (continued)

### ADJACENT PROPERTY OWNER'S ACKNOWLEDGEMENT FORM

I (we), George S. Yeh and Elizabeth C. Yeh, own land next to (across the water  
(Print adjacent/nearby property owner's name)

from/on the same cove as) the land of DAMON HORSLEY.  
(Print applicant's name(s))

I have reviewed the applicant's project drawings dated \_\_\_\_\_  
(Date)

to be submitted for all necessary federal, state and local permits.

I HAVE NO COMMENT \_\_\_\_\_ ABOUT THE PROJECT.

I DO NOT OBJECT \_\_\_\_\_ TO THE PROJECT.

I OBJECT \_\_\_\_\_ TO THE PROJECT.

**The applicant has agreed to contact me for additional comments if the proposal changes prior to construction of the project.**

(Before signing this form, be sure you have checked the appropriate option above).

\_\_\_\_\_  
Adjacent/nearby property owner's signature(s)

\_\_\_\_\_  
Date

**Note: If you object to the proposal, the reason(s) you oppose the project must be submitted in writing to VMRC. An objection will not necessarily result in denial of the project; however, valid complaints will be given full consideration during the permit review process.**



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT  
**23-SPGP-PASDO SELF-VERIFICATION FORM**  
**CATEGORY A PIER STRUCTURES**

Expires: August 21, 2028

Please review the 23-SPGP-PASDO before completing this form. This can only be used for proposed PRIVATE USE structures that comply with the terms and conditions of the 23-SPGP-PASDO located on the Corps website: <https://www.nao.usace.army.mil/Missions/Regulatory/RBregional/>.

1. Has the permittee reviewed the 23-SPGP-PASDO and verified that the proposed structures are in compliance with all the terms, conditions, and limitations of 23-SPGP-PASDO?  
☒ YES   ☐ NO
2. Are the proposed structures for private use only?  
☒ YES   ☐ NO
3. To avoid adverse effects to navigation, do the proposed structures extend no more than one-fourth of the distance across the waterway measured from either mean high water (MHW) to MHW (including all channelward wetlands) or ordinary high water (OHW) to OHW (including all channelward wetlands)?  
☒ YES   ☐ NO
4. If the proposed structures cross wetland vegetation, are they an open-pile design that has a maximum width of five (5) feet and a minimum height of four (4) feet between the decking and the wetland substrate?  
☐ YES   ☐ NO   ☒ N/A
5. Do the proposed structures include no more than two (2) lifts and no more than two (2) boat slips?  
☐ YES   ☐ NO   ☒ N/A
6. Is the open-sided roof structure designed to shelter a boat no more than 700 square feet and/or is the open-sided roof structure or gazebo structure designed to shelter a pier no more than 400 square feet?  
☐ YES   ☐ NO   ☒ N/A
7. Are all piles associated with the proposed structure non-steel, no more than 12" in diameter, and will there be no more than 25 piles installed channelward of MHW?  
☒ YES   ☐ NO
8. When operationally feasible, is all work occurring behind cofferdams, turbidity curtains, or other methods used to control turbidity?  
☒ YES   ☐ NO
9. If the proposed structures are to be located within an anadromous fish use area, will the prospective permittee adhere to the anadromous fish use area time of year restriction (TOYR) prohibiting in-water work from occurring between February 15 through June 30 of any given year if 1) piles are to be installed with a cushioned impact hammer and there are fewer than 492 feet between the most channelward pile and mean low water (MLW) on the opposite shoreline; or 2) piles are to be installed with a vibratory hammer and there are fewer than 384 feet between the most channelward pile and MLW on the opposite shoreline? <https://services.dwr.virginia.gov/fwis/>.  
☐ YES   ☐ NO   ☒ N/A
10. Is all work occurring outside of submerged aquatic vegetation (SAV) mapped by the Virginia Institute of Marine Sciences' (VIMS) most recent survey year and 5-year composite?  
<https://mobjack.vims.edu/sav/savwabmap/>  
☒ YES   ☐ NO
11. Has the permittee ensured the construction of the proposed structures will not affect federally listed threatened or endangered species or designated critical habitat?  
NOAA PRD: <https://www.fisheries.noaa.gov/new-england-mid-atlantic/consultations/section-7-consultations-greater-atlantic-region>; and  
US Fish and Wildlife Service: <https://ipac.ecosphere.fws.gov/>  
☒ YES   ☐ NO

12. Will the proposed structures be located outside of the following waterbodies: Broad Creek in Middlesex County, Fisherman's Cove in Norfolk, or the Salt Ponds in Hampton?  
☒ YES   ☐ NO
13. Is your project located outside of the Section 408 Review Area boundaries for civil works projects (e.g. federal navigation channels, flood risk management projects, or aquatic ecosystem restoration projects) as depicted on the "Norfolk District Section 408 Review Layer" in the Norfolk District Section 408 Map? <https://www.nao.usace.army.mil/408Review/>  
☒ YES   ☐ NO
14. Is your project located outside of any federal property? Federal property can be located on the "NAO Real Estate Data – CWLDM Land Parcel Area" layer on the Norfolk District Section 408 Map? <https://www.nao.usace.army.mil/408Review/> .  
☒ YES   ☐ NO
15. Will the proposed structures be located outside of any Designated Trout Waters?  
<https://services.dwr.virginia.gov/fwis/>  
☒ YES   ☐ NO
16. If the proposed structures include floatation units, will the floating sections be braced so they will not rest on the bottom during periods of low water?  
☐ YES   ☐ NO   ☒ N/A
17. Does the permittee recognize this form does not authorize any dredging or filling of waters of the United States (including wetlands) and does not imply that future dredging proposals or any other structures will be approved by the Corps?  
☒ YES   ☐ NO

If you have answered "NO" to any of the questions above, then the Category A Self-Verification of the 23-SPGP-PASDO does NOT apply, and you are required to obtain written authorization from the Corps prior to performing the work.

If you answered "YES" (or "N/A, where applicable) to all of the questions above, you are in compliance with the Category A Self-Verification of the 23-SPGP-PASDO. Please sign below and submit this self-verification form with your completed Joint Permit Application (JPA). This signed form serves as your letter of authorization from the Corps. You WILL NOT receive any other written authorization from the Corps; however, you MAY NOT proceed with construction until you have obtained all other necessary state and local permits.

**By signing below, I certify that I have read and understand all conditions of the Army Corps of Engineers Norfolk District Regulatory Branch 23-SPGP-PASDO, dated August 22, 2023. I accept all of the terms and conditions of the permit, including the limits of federal liability contained in the 23-SPGP-PASDO enclosure. I acknowledge that structures authorized under this permit may be exposed to waves caused by passing vessels. The permittee is solely responsible for the integrity of the permitted structures and any resulting wave damage to such structures or moored vessels. I accept that the United States is not liable in any way for such damage and that the permittee will not seek to involve the United States in any actions or claims regarding such damage.**

Gregory Henrich  
 Signature of Property Owner(s) or Agent

3/05/2025

Date

Proposed work location:  
 7104 George Washington Memorial Hwy  
Gloucester, VA 23061

VMRC Number



## Part 3 – Appendices (continued)

**Appendix B: Projects for Shoreline Stabilization** in tidal wetlands, tidal waters and dunes/beaches including riprap revetments and associated backfill, marsh toe stabilization, bulkheads and associated backfill, breakwaters, beach nourishment, groins, jetties, and living shoreline projects. Answer all questions that apply. Please provide any reports provided from the Shoreline Erosion Advisory Service or VIMS.

**NOTE:** It is the policy of the Commonwealth that living shorelines are the preferred alternative for stabilizing tidal shorelines (Va. Code § 28.2-104.1). **Information on non-structural, vegetative alternatives (i.e., Living Shoreline) for shoreline stabilization is available at**

[http://ccrm.vims.edu/coastal\\_zone/living\\_shorelines/index.html](http://ccrm.vims.edu/coastal_zone/living_shorelines/index.html).

1. Describe each **revetment, bulkhead, marsh toe, breakwater, groin, jetty, other structure, or living shoreline project** separately in the space below. Include the overall length in linear feet, the amount of impacts in acres, and volume of associated backfill below mean high water and/or ordinary high water in cubic yards, as applicable:

Approximately 43 linear feet of riprap revetment is proposed in an area currently covered with concrete rubble. The rubble will be removed and stockpiled. The rubble will be broken into smaller pieces and used as core material for the revetment. The revetment will be installed on filter cloth and a mixture of class 1 and class 2 stone will be utilized as armor over the broken concrete.

2. What is the maximum encroachment channelward of mean high water? <sup>1</sup>\_\_\_\_\_ feet.  
Channelward of mean low water? <sup>0</sup>\_\_\_\_\_ feet.  
Channelward of the back edge of the dune or beach? \_\_\_\_\_ feet.

3. Please calculate the square footage of encroachment over:

- Vegetated wetlands 00 square feet
- Non-vegetated wetlands 0 square feet
- Subaqueous bottom 0 square feet
- Dune and/or beach 0 square feet

4. For bulkheads, is any part of the project maintenance or replacement of a previously authorized, currently serviceable, existing structure? ☒ Yes ☐ No.

If yes, will the construction of the new bulkhead be no further than two (2) feet channelward of the existing bulkhead? ☐ Yes ☐ No.

If no, please provide an explanation for the purpose and need for the additional encroachment.

Install a one foot concrete bulkhead extension on top of the existing bulkhead b the extension will not exceed any existing foot print.

### Part 3 – Appendices (continued)

5. Describe the type of construction and **all** materials to be used, including source of backfill material, if applicable (e.g., vinyl sheet-pile bulkhead, timber stringers and butt piles, 100% sand backfill from upland source; broken concrete core material with Class II quarry stone armor over filter cloth).

**NOTE: Drawings must include construction details, including dimensions, design and all materials, including fittings if used.**

The rubble will be broken into smaller pieces and used as core material for the revetment. The revetment will be installed on filter cloth and a mixture of class 1 and class 2 stone will be utilized as armor over the broken concrete.

6. If using stone, broken concrete, etc. for your structure(s), what is the average weight of the:

Core (inner layer) material CLASS 1 pounds per stone Class size 5-10

Armor (outer layer) material CLASS 2 pounds per stone Class size 25-50

7. For **beach nourishment**, including that associated with breakwaters, groins or other structures, provide the following:

- Volume of material
  - \_\_\_\_\_ cubic yards channelward of mean low water
  - \_\_\_\_\_ cubic yards landward of mean low water
  - \_\_\_\_\_ cubic yards channelward of mean high water
  - \_\_\_\_\_ cubic yards landward of mean high water

- Area to be covered \_\_\_\_\_ square feet channelward of mean low water  
                                       \_\_\_\_\_ square feet landward of mean low water  
                                       \_\_\_\_\_ square feet channelward of mean high water  
                                       \_\_\_\_\_ square feet landward of mean high water

- Source of material, composition (e.g. 90% sand, 10% clay): \_\_\_\_\_
- Method of transportation and placement: \_\_\_\_\_

- Describe any proposed vegetative stabilization measures to be used, including planting schedule, spacing, monitoring, etc. Additional guidance is available at <http://www.vims.edu/about/search/index.php?q=planting+guidelines>:

## **Part 4 - Project Drawings**

**Plan view and cross-sectional view drawings are required for all projects.** Application drawings do not need to be prepared by a professional draftsman, but they must be clear, accurate, and should be to an appropriate scale. If a scale is not used, all dimensions must be clearly depicted in the drawings. If available, a plat of the property should be included, with the existing and proposed structures clearly indicated. Distances from the proposed structure(s) to fixed points of reference (benchmarks) and to the adjacent property lines must be shown. A vicinity map (County road map, USGS Topographic map, etc.) must also be provided to show the location of the property. **NOTE:** The sample drawings have been included at the end of this section to provide guidance on the information required for different types of projects. Clear and accurate drawings are essential for project review and compliance determination. Incomplete or unclear drawings may cause delays in the processing of your application.

**The following items must be included on ALL project drawings: (plan and cross-sectional, as appropriate)**

- **name of project**
- **north arrow**
- **scale**
- **waterway name**
- **existing and proposed structures, labeled as such**
- **dimensions of proposed structures**
- **mean high water and mean low water lines**
- **all delineated wetlands and all surface waters on the site, including the Cowardin classification (i.e., emergent, scrub-shrub, or forested) for those surface waters (if applicable)**
- **limits of proposed impacts to surface waters, such as fill areas, riprap scour protection placement, and dredged areas, and the amount of such impacts in square feet and acres**
- **ebb/flood direction**
- **adjacent property lines and owner's name**
- **distances from proposed structures to fixed points of reference (benchmarks) and adjacent property lines**

## GENERAL NOTES

1. USE STRUCTURAL DRAWINGS IN CONFORMANCE WITH ALL OTHER NOTES. NOTES ARE NOT TO BE USED TO SUPPLEMENT OR CONTRADICT THE REQUIREMENTS FOR ELEVATION, MATERIAL, MEMBER, HANGERS AND ANCHORS.
2. ELEVATIONS ON THE STRUCTURAL DRAWINGS ARE DENOTED [+/-] FT. REFERENCE TO MEAN WATER LEVEL DATUM.
3. DETAILS OMITTED OR NOTED AS TYPICAL APPLY NOT ONLY WHERE SHOWN BUT ALSO TO ALL OTHERS WHERE THE SAME ARE SHOWN. WHERE THE NATURE OF THE CONSTRUCTION REQUIRES THEIR USE, DETERMINE THE APPLICABILITY OF TYPICAL DETAILS FROM DESCRIPTIVE TITLES OR FROM THE SCOPE OF A CONSTRUCTION CONDITION TO ANOTHER CONSTRUCTION CONDITION. THE DETAIL IS SPECIFICALLY INDICATED OR NOTED OTHERWISE.
4. THE STRUCTURAL DRAWINGS CONTAINED HEREIN REPRESENT THE DESIGN OF THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND MAINTENANCE OF THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND MAINTENANCE OF THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND MAINTENANCE OF THE STRUCTURE.
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7. BEFORE PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND MAINTENANCE OF THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND MAINTENANCE OF THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND MAINTENANCE OF THE STRUCTURE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND MAINTENANCE OF THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND MAINTENANCE OF THE STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER CONSTRUCTION AND MAINTENANCE OF THE STRUCTURE.

## DESIGN NOTES

1. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE FOLLOWING CODES AND SPECIFICATIONS:
  - A. 2015 INTERNATIONAL RESIDENTIAL CODE (IRC)
  - B. 2015 INTERNATIONAL BUILDING CODE (IBC)
  - C. 2015 INTERNATIONAL MECHANICAL AND PLUMBING CODE (IMC)

## CONCRETE NOTES

1. ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE (IBC) AND THE 2015 INTERNATIONAL RESIDENTIAL CODE (IRC). ALL CONCRETE CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE (IBC) AND THE 2015 INTERNATIONAL RESIDENTIAL CODE (IRC).
2. CAST-IN-PLACE CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTH (PSI):
  - A. 4000 PSI
3. CONCRETE DENSITY SHALL BE NORMAL WEIGHT UNLESS SPECIFICALLY OTHERWISE NOTED.
4. CONCRETE REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A618, GRADE 60.
5. CONCRETE REINFORCING STEEL SHALL BE CONTINUOUS UNLESS OTHERWISE INDICATED. CONTINUOUS STEEL SHALL BE LAPPED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE (IBC) AND THE 2015 INTERNATIONAL RESIDENTIAL CODE (IRC).
6. MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS INDICATED. THE MINIMUM COVER SHALL BE NOTED OTHERWISE INDICATED. THE MINIMUM COVER SHALL BE NOTED OTHERWISE INDICATED.
7. CONCRETE REINFORCING STEEL, MARKED STANDARD HOOK SHALL HAVE A 90-DEGREE HOOK UNLESS OTHERWISE NOTED. STIRRUPS, TIES 180-DEGREE HOOKS AND 90-DEGREE HOOKS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A618.
8. REINFORCING STEEL SHALL BE SPREAD AT ELBOWS, TEE JOINTS, RECESSES AND OTHER CHANGED ITEMS UNLESS OTHERWISE INDICATED. REINFORCEMENT SHALL NOT BE CUT TO FACILITATE PLACEMENT OF EMBEDDED ITEMS.
9. NO CONCRETE SHALL BE PLACED UNTIL THE OWNER OR OWNER'S REPRESENTATIVE HAS INSPECTED ALL EMBEDDED WORK, INCLUDING REINFORCEMENT.
10. ALL EMBEDDED CONCRETE COVERS SHALL BE CHANGED 3/4" OR AS INDICATED.
11. ALUMINUM SHALL NOT BE PLACED IN DIRECT CONTACT WITH CONCRETE UNLESS EFFECTIVELY COATED OR COATED TO PREVENT GALVANIC ACTION BETWEEN ALUMINUM-CONCRETE REACTION AND ELECTROLYTIC ACTION BETWEEN ALUMINUM AND STEEL.
12. ALL CONCRETE WALL SURFACES SHALL RECEIVE A SMOOTH RUBBED FINISH.

## BULKHEAD EXTENSION

6627 TAPPAN LN.  
GLOUCESTER, VA 23061

REVISION	DATE
1	02/20/20

PROJECT NO.	6
DATE:	2/27/2020
SCALE:	NONE
CHECKED:	
DRAWN BY:	JDU
SHEET	1 OF 3

S-001

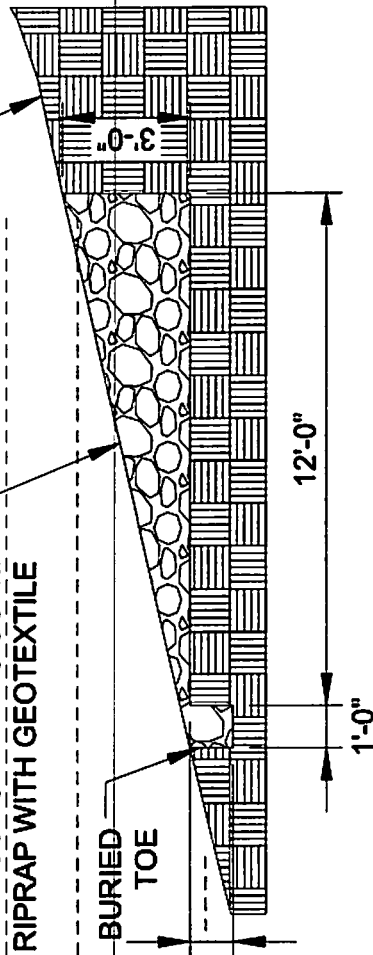
43'-0" LONG REVENTMENT:  
CLASS 2 ARMOR WITH  
EXISTING BROKEN  
CONCRETE AS CORE  
RIPRAP WITH GEOTEXTILE

[+4.5']  
1.5 x MHW

[+3.0']  
MHW

[0.0']  
MLW

EXISTING GRADE  
(VARIES)



## REVENTMENT SECTION

SCALE: 3/4" = 1'-0"



INSTALL 43 LINEAR FEET OF RIPRAP REINFORCEMENT WALL ON OUTBOARD SIDE OF EXISTING BULKHEAD. MATERIAL TO INCLUDE #1 WOOD STONE RIPRAP AND NON-WOVEN GEOTEXTILE FABRIC. BALANCE OF RIPRAP REINFORCEMENT TO BE GRADED TO A 1:1 SLOPE AND INCLUDE A BURIED TIE ON THE OUTBOARD END. PROPOSED REINFORCEMENT TO INCLUDE APPROXIMATELY 4.5 TONS OF QUARRY STONE PER LINEAR FOOT. STONE LAYER SHOULD BE NO LESS THAN THE AVERAGE DIAMETER OF THE STONE.

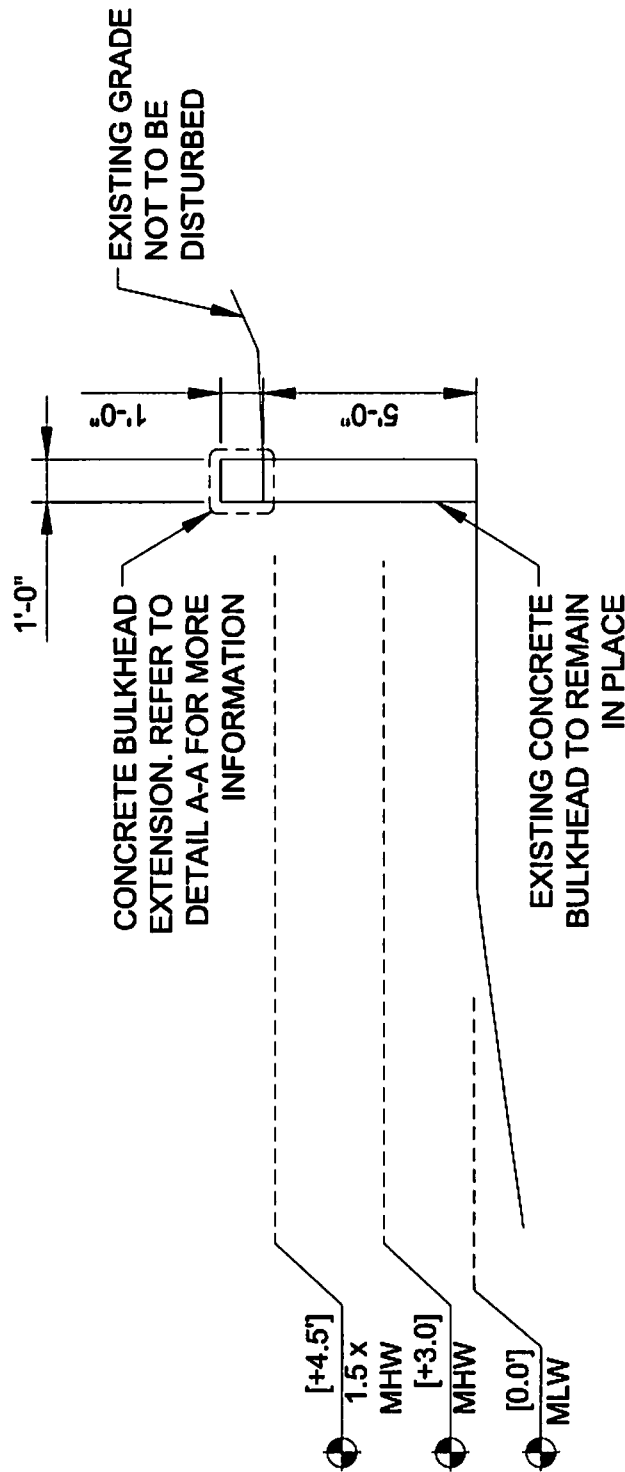
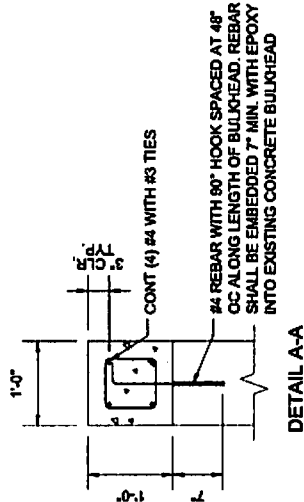
EXISTING SLOPE TO BE REGRADED AS NEEDED, COVERED WITH TOPSOIL, FERTILIZED, SEEDED AND STABILIZED WITH EROSION CONTROL BLANKET STAPLED INTO PLACE. THE SLOPE WILL BE GRADED TO THE EXISTING GENERAL TOPOGRAPHY, WITH THE INFILL OF ANY SCOUR DEPRESSIONS, SNRK HOLES, OR OTHERWISE DELETERIOUS CONDITIONS NOTED.

**INSTALL A 1 FOOT CONCRETE BULKHEAD EXTENSION ON TOP OF THE EXISTING BULK HEAD**

**THE EXTENSION WILL HAVE NO IMPACT TO WETLANDS.**

**NO BACK FILL WILL BE USED EXISTING GRADE WILL REMAIN AT CURRENT GRADE.**

**ACCESS FOR PROJECT IS THROUGH THE PROJECT OWNER'S EXISTING DRIVEWAY.**



## BULKHEAD ADDITION SECTION

**SCALE = 3/4" = 1'-0"**

REQD NO.	6
DATE	3/27/2025
SCALE	AS SHOWN
CHECKED	
DRAWN BY	JBY

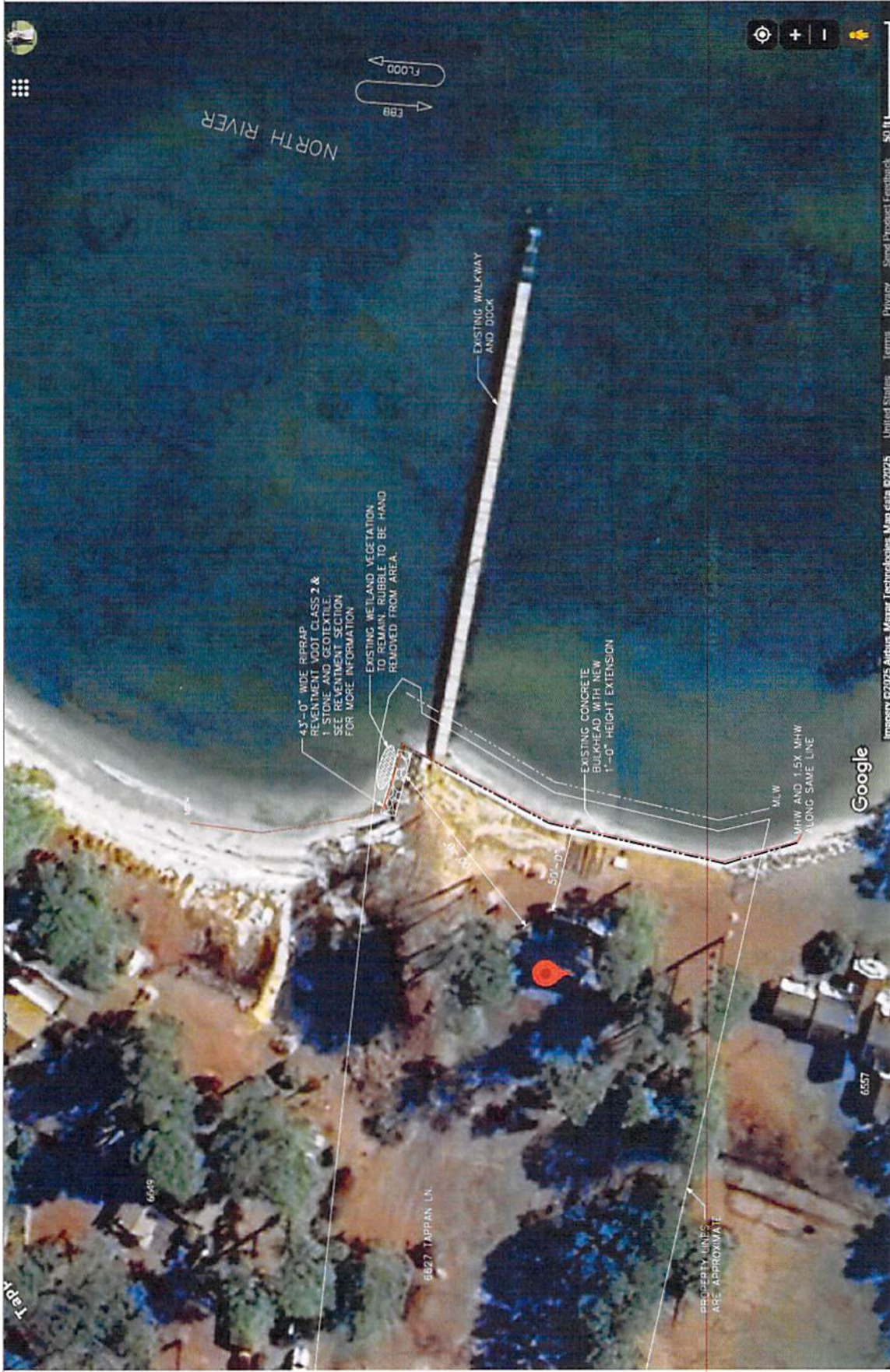
SF101

13 OF 13

## BULKHEAD EXTENSION

**BULKHEAD ADDITION SECTION AND REVENTMENT SECTION**

**0027 TAPPAN LN.**



# BULKHEAD EXTENSION

SITE PLAN

GLOUCESTER, VA 23061

6627 TAPPAN LN.

REVISION	DATE
1	4/22/2025

PROJ. NO.	6
DATE	3/27/2025
SCALE	AS SHOWN
CHECKED	
DRAWN BY	JBN

SF102

SHEET 3 OF 3

SITE PLAN  
NOT TO SCALE





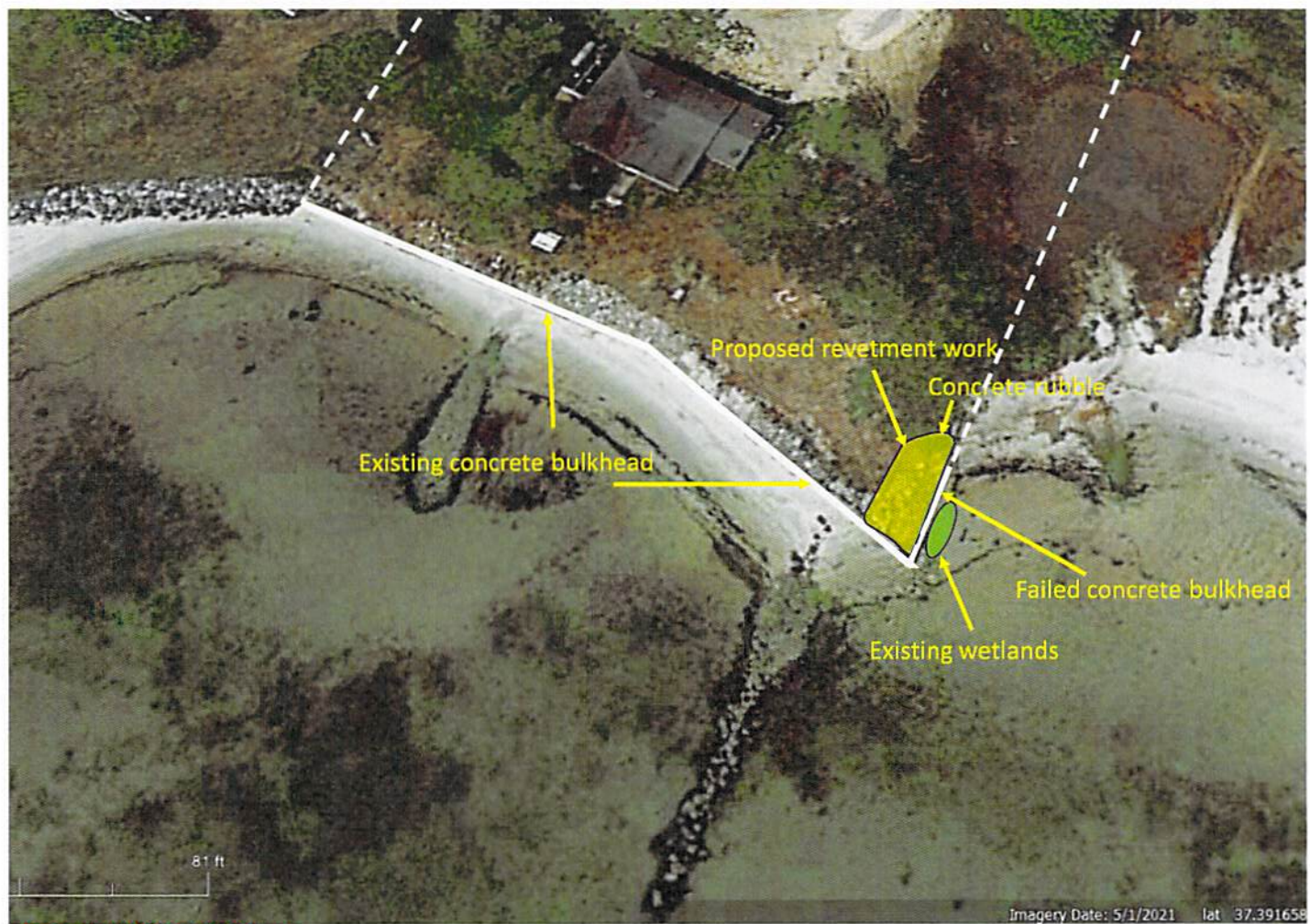
Horsley  
Tappan Lane  
North River  
Gloucester County  
Vicinity Map  
12-5-2022



Recieved by VMRC April 24, 2025 map

Horsley  
Tappan Lane  
North River  
Gloucester County  
Overall Plan View  
12-5-2022

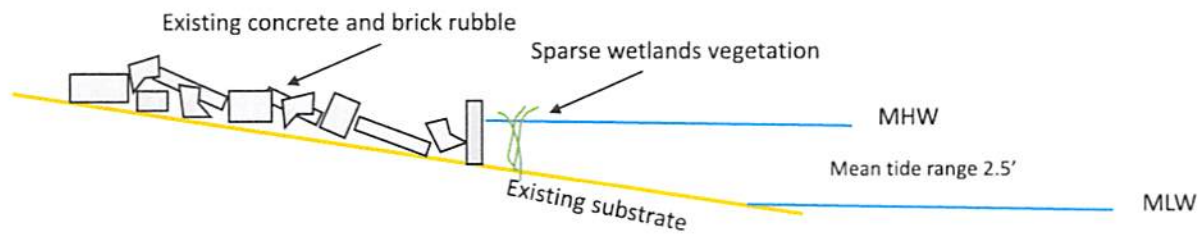




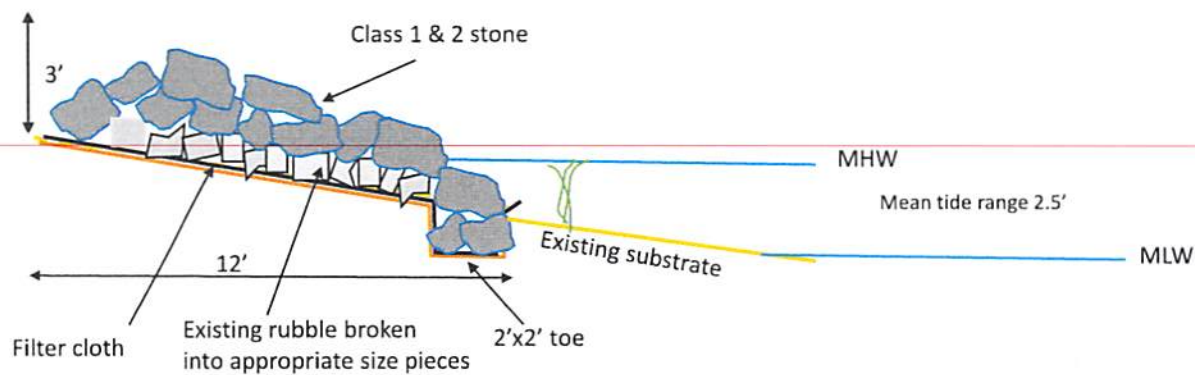
Horsley  
Tappan Lane  
North River  
Gloucester County  
Plan View Revetment  
12-5-2022

## Section Views Revetment

Existing



Proposed



Horsley  
Tappan Lane  
North River  
Gloucester County  
Section views Revetment  
12-5-2022

Recieved by VMRC April 24, 2025 map

