**From:** DENNIS RODDY
**To:** MRC - jpa Permits
**Cc:** Vickie Roddy
**Subject:** Application for 2 breakwaters to protect property & erosion - Hayes VA
**Date:** Friday, April 11, 2025 9:47:40 AM
**Attachments:** Roddy shoreline abatement Apr25.pdf
Untitled attachment 00034.htm
Roddy 3261 Friends Rd Hayes Va Gabion breakwater plans.pdf
Untitled attachment 00037.htm
SEAS recommendation 3261 Friends Rd Hayes VA.pdf
Untitled attachment 00040.htm

250403 28

Hello,
This application proposes the construction of two breakwater structures to provide critical coastal protection for existing structures and to mitigate ongoing shoreline erosion. The breakwaters are designed to reduce wave energy reaching the shore, thereby enhancing the stability of the coastline and safeguarding nearby structures from damage. By minimizing sediment displacement and controlling erosion, these structures will contribute to the long-term resilience of the area.

FYI - our adjacent neighbors have been briefed on project and agree in principle. They are unavailable for signatures due to Scott Snavely's surgery this week, and James Lothian on a 2 week vacation.

I look forward to working on this project as it moves forward.

Attachments:

1. JPA application
2. Drawings of project plans
3. Seas report

- 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.

| FOR AGENCY USE ONLY | |
|---|---|
| | Notes: |
| | JPA # 25-0888 |

# 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.

| ***Check all that apply*** | | |
|---|---|---|
| Pre-Construction Notification (PCN) ☐<br>NWP # _____<br>*(For Nationwide Permits ONLY - No DEQ-VWP permit writer will be assigned)* | PASDO – PGP Self Verification ☐<br>*(Replaces Regional Permit 17 (RP-17) checklist)* | |

**County or City in which the project is located:** Gloucester County, 3261 Friends Rd., Hayes, VA

**Waterway at project site:** Holly Bush Creek, Southwest Branch Severn River

***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)***

Historical information for past permit submittals can be found online with VMRC - https://webapps.mrc.virginia.gov/public/habitat/ - or VIMS - http://ccrm.vims.edu/perms/newpermits.html

| 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 |
|---|---|---|---|---|
| | | | | |
| | | | | |

# Part 1 - General Information (continued)

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

Dennis M. Roddy & Vickie A. Roddy
9004 Nomini Lane
Alexandria, VA. 22309

Home (703 )470-7568
Work (___)_____
Fax (___)_____
Cell (703 )470-7568
e-mail vroddy1@verizon.net

State Corporation Commission Name and ID Number (if applicable) n/a

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

Same as above

Home (___)_____
Work (___)_____
Fax (___)_____
Cell (___)_____
e-mail _____

State Corporation Commission Name and ID Number (if applicable) n/a

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

Same as above

Home (___)_____
Work (___)_____
Fax (___)_____
Cell (___)_____
e-mail _____

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.

Proposing two breakwaters to curb severe erosion to property. One, a 96 ft long rock-filled Gabion breakwater will be constructed to stabilize the shoreline and reduce the impact of the soil erosion. The breakwater will run parallel to the shore; 52 ft at the shortest and 50 ft from the shore at the greatest distance. The breakwater will lie in the tidal area and will not disturb the natural sea grass. A second break water at a length of 48 ft will run perpendicular to the shore and parallel alongside the existing wooden pier.

The purpose of the two breakwaters will moderate the 'fetch' wave action from two directions. The Gabion cages will be constructed from biaxial geo grid polypropylene. The stacked design consists of a permeable filter cloth laid first, topped by a wide gabion mattress 1'hx 5'w x12'L for support, topped by a 5'h x3'w x12'L polypropylene gabion cage. The mattress and the cage will be filled with gabion stones approximate dimension (6" x 6" x 6" inches). Once filled, the cages will be secured with stainless steel hog rings. The construction site will be accessed from the property shore line. The materials will be transported to the site via a flat bottom boat.

Additionally, we plan to place some rip/rap stone along the eroded shoreline. The rip/rap will not disturb the natural grass.


Received by VMRC April 11, 2025 /blh

# Part 1 - General Information (continued)

5. Have you obtained a contractor for the project? ___ Yes* _X_ 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
   (____) _____

7. Give the following project location information:
   Street Address (911 address if available) 3261 Friends Rd, Hayes, VA 22309
   Lot/Block/Parcel# ~~10696~~ RPC: 22761
   Subdivision n/a
   City / County Hayes ZIP Code 23072
   Latitude and Longitude at Center Point of Project Site (Decimal Degrees):
   37.298807 / -76.437799 (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.*

   From Food Lion, Hayes, VA:Rt 17

   Turn right onto VA-216 E/Guinea Rd, 3.6 mi

   Continue onto State Rte 653/Kings Creek Rd, 0.9 mi

   Turn left onto State Rte 719/Friends Rd, 0.7 mi

   Turn right, 3261 Friends Rd □

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 purpose is stabilize the shoreline and prevent further erosion. The secondary purpose is to protect existing gazebo and storage shed which are in peril of damage or partial collapse due to eroded land, and to protect stability of existing pier. Water now comes up to the corners of these structures. There are many 'ghost' trees in the water, where the land once was.

# 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.**

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:

   Proposed two breakwaters to mitigate heavy erosion (drawing package in separate attachment)

   3'w x 5'h x 96'L Gabion Cage Breakwater parallel to shore filled with Gabion stone. Breakwater will run along low water line. Approximately 2400 square of water between the breakwater and the existing shore.

   3'w x 5'h x 48'L Gabion Cage Breakwater parallel to the dock, filled with gabion stone.

2. What is the maximum encroachment channelward of mean high water? 3 feet.
   Channelward of mean low water? 1 feet.
   Channelward of the back edge of the dune or beach? 0 feet.

3. Please calculate the square footage of encroachment over:
   - Vegetated wetlands 0 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 X 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.

   n/a

## Part 3 – Appendices (continued)

3. **For USACE permits,** in cases where the proposed pier will encroach beyond one fourth the waterway width (as determined by measuring mean high water to mean high water or ordinary high water mark to ordinary high water mark), the following information must be included before the application will be considered complete. For an application to be considered complete:

   a. The USACE MAY require depth soundings across the waterway at increments designated by the USACE project manager. Typically 10-foot increments for waterways less than 200 feet wide and 20-foot increments for waterways greater than 200 feet wide with the date and time the measurements were taken and how they were taken (e.g., tape, range finder, etc.).
   b. The applicant MUST provide a justification as to purpose if the proposed work would extend a pier greater than one-fourth of the distance across the open water measured from mean high water or the channelward edge of the wetlands.
   c. The applicant MUST provide justification if the proposed work would involve the construction of a pier greater than five feet wide or less than four feet above any wetland substrate.

4. Provide the type, size, and registration number of the vessel(s) to be moored at the pier or mooring buoy.

   Type Length Width Draft Registration #

   _____

   _____

   _____

5. For **Marinas, Commercial Piers, Governmental Piers, Community Piers and other non-private piers,** provide the following information:
   A) Have you obtained approval for sanitary facilities from the Virginia Department of Health?_____ (required pursuant to Section 28.2-1205 C of the Code of Virginia).
   B) Will petroleum products or other hazardous materials be stored or handled at your facility?_____.
   C) Will the facility be equipped to off-load sewage from boats?_____.
   D) How many wet slips are proposed?_____. How many are existing?_____.
   E) What is the area of the piers and platforms that will be constructed over
      Tidal non-vegetated wetlands _____ square feet
      Tidal vegetated wetlands _____ square feet
      Submerged lands _____square feet

6. For **boat ramps,** what is the overall length of the structure?_____feet.
   From Mean High Water?_____feet.
   From Mean Low Water?_____feet.

   Note: drawings must include the construction materials, method of installation, and all dimensions. If tending piers are proposed, complete the pier portion.
   **Note: If dredging or excavation is required, you must complete the Standard Joint Point Permit application.**

# Part 3 – Appendices

Please complete and submit the appendix questions applicable to your project, and attach the required vicinity map(s) and drawings to your application. If an item does not apply to your project, please write "N/A" in the space provided.

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**Appendix A: (TWO PAGES) Projects for Access** to the water such as private and community piers, boathouses, marinas, moorings, and boat ramps. Answer all questions that apply.

1. **Briefly describe your proposed project**.

   n/a

2. **For private, noncommercial piers:**
   Do you have an existing pier on your property? ____Yes____ No
   If yes, will it be removed? ____Yes ____No
   Is your lot platted to the mean low water shoreline? ____Yes ____No
   What is the overall length of the proposed structure? _____feet.
   Channelward of Mean High Water? _____feet.
   Channelward of Mean Low Water? _____feet.
   What is the area of the piers and platforms that will be constructed over
   Tidal non-vegetated wetlands _____ square feet.
   Tidal vegetated wetlands _____ square feet.
   Submerged lands _____square feet.
   What is the total size of any and all L- or T-head platforms?_____sq. ft.
   For boathouses, what is the overall size of the roof structure? _____sq. ft.
   Will your boathouse have sides?_____Yes____ No.

   NOTE: All proposals for piers, boathouses and shelter roofs must be reviewed by the Virginia Marine Resources Commission (Commission or VMRC), however, pursuant to § 28.2-1203 A 5 of the Code of Virginia a VMRC permit may not be required for such structures (except as required by subsection D of § 28.2-1205 for piers greater than 100 feet in length involving commercially productive leased oyster or clam grounds), provided that (i) the piers do not extend beyond the navigation line or private pier lines established by the Commission or the United States Army Corps of Engineers (USACE), (ii) the piers do not exceed six feet in width and finger piers do not exceed five feet in width, (iii) any L or T head platforms and appurtenant floating docking platforms do not exceed, in the aggregate, 400 square feet, (iv) if prohibited by local ordinance open-sided shelter roofs or gazebo-type structures shall not be placed on platforms as described in clause (iii), but may be placed on such platforms if not prohibited by local ordinance, and (v) the piers are determined not to be a navigational hazard by the Commission. Subject to any applicable local ordinances, such piers may include an attached boat lift and an open-sided roof designed to shelter a single boat slip or boat lift. In cases in which open-sided roofs designed to shelter a single boat, boat slip or boat lift will exceed 700 square feet in coverage or the open-sided shelter roofs or gazebo structures exceed 400 square feet, and in cases in which an adjoining property owner objects to a proposed roof structure, permits shall be required as provided in § 28.2-1204.

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.**

Dennis Roddy
Signature of Property Owner(s) or Agent

11 April 2025
Date

Proposed work location:
3261 Friends Rd, Hayes, VA

VMRC Number

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

## Part 2 – Signatures (continued)

### ADJACENT PROPERTY OWNER'S ACKNOWLEDGEMENT FORM

I (we), James Lothian, own land next to (across the water
(Print adjacent/nearby property owner's name)

from/on the same cove as) the land of Dennis Roddy.
(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), Scott Snavely, own land next to (across the water
(Print adjacent/nearby property owner's name)

from/on the same cove as) the land of Dennis Roddy.
(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.**


Received by VMRC April 11, 2025 /blh

# Part 2 – Signatures (continued)

*2. Applicants having agents (if applicable)*

**CERTIFICATION OF AUTHORIZATION**

I (we), Dennis M. Roddy, hereby certify that I (we) have authorized n/a
(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.

(Agent's Signature) (Use if more than one agent)

(Date)

Dennis Roddy Digitally signed by Dennis Roddy Date: 2025.04.11 09:24:41 -04'00'
(Applicant's Signature) (Use if more than one applicant)

11 April 2025
(Date)

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

**CONTRACTOR ACKNOWLEDGEMENT**

I (we), Dennis M. Roddy, have contracted n/a
(Applicant's legal name(s)) (Contractor's name(s))
to perform the work described in this Joint Permit Application, signed and dated x.

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

Dennis Roddy Digitally signed by Dennis Roddy Date: 2025.04.11 09:25:16 -04'00'
Applicant's signature

(use if more than one applicant)

11 April 2025
Date


Received by VMRC April 11, 2025 /blh

## 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.**<br>**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.** |

Dennis M. Roddy

Applicant's Legal Name (printed/typed) (Use if more than one applicant)

Dennis Roddy Digitally signed by Dennis Roddy Date: 2025.01.25 16:18:05 -05'00'

Applicant's Signature (Use if more than one applicant)

11 April 2025

Date

same

Property Owner's Legal Name (printed/typed) (Use if more than one owner)
(If different from Applicant)

Property Owner's Signature (Use if more than one owner)

Date

# Part 1 - General Information (continued)

9. Proposed use (check one):
   x 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 wetlands will not be disturbed. The breakwater will help protect the wetlands rather than their continual erosion. No clearing, grading or excavating will be needed. Property does not abutt any neighbors. Gabion stones will be place into a flat bottom boat for loading into gabion cages. Access is not through sea grass.

11. Is this application being submitted for after-the-fact authorization for work which has already begun or been completed? ___Yes x 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.): $ 10,000
    Approximate cost of that portion of the project that is channelward of mean low water:
    $ 10,000

13. Completion date of the proposed work: 1 June 2025 - 1 September 2025

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.

    Adjacent lot is owned by Dennis Roddy (applicant).

    First adjacent parcel beyond property line of adjacent lot is owned by Dennis & Vickie Roddy:

    1.) Adjacent neighbor, George "Scott" Snavely, 3185 Pony Rd, Hayes, Va 23072, (757) 870-1866

    2). Adjacent property on other side is undeveloped:
    Warwick Investment Corporation, 11835 Fishing Point Dr., STE 101, Newport News, VA 23060

    3.) Across the Cove:
    James Lothian,9278 Rowes Point Rd, Hayes, VA 23072; 804-832-2916


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## 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**.

   Drawings are in separate attachment.

   Gabion Stone sourced from: Martin Marietta, Anderson Creek Quary, 1940 Ashland Rd, Rockville, VA, 804-546-6382
   Gabion marine baskets sourced from: GabionPros.com
   Underlayment filter cloth: GabionPros.com

6. If using stone, broken concrete, etc. for your structure(s), what is the average weight of the:
   Core (inner layer) material 20 pounds per stone Class size gabion
   Armor (outer layer) material _____ pounds per stone Class size _____

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): granite quarry stone
   - Method of transportation and placement:

     Flat bottom boat floated to gabion cages
   - 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:

     n/a

## Part 3 – Appendices (continued)

**Appendix C: Crossings** in, on, over, or under, waters, submerged lands, tidal wetlands and/or dunes and beaches, including but not limited to, bridges, walkways, pipelines and utility lines.

1. What is the purpose and method of installation of the crossing?

   n/a

2. What is the width of the waterway and/or wetlands to be crossed
   from mean high water to mean high water (tidal waters)? _____ feet.
   from mean low water to mean low water (tidal waters)? _____ feet.
   from ordinary high water to ordinary high water (non-tidal waters)? _____ feet.

3. For bridges (footbridges, golf cart bridges, roadway bridges, etc.), what is the width of the structure over the tidal wetlands, dunes/beaches and/or submerged lands? _____square feet.

4. For overhead crossings:
   a. What will be the height above mean high water? _____feet.
   b. If there are other overhead crossings in the area, what is the minimum height? _____feet.
   c. If the proposed crossing is an electrical line, please confirm the total number of electrical circuits: _____

5. For buried crossings, what will be the depth below the substrate? _____feet. Will the proposed utility provide empty conduits for any additional utilities that may propose to co-locate at a later date? _____Yes _____No.

6. Will there be any excavation or fill required for placement of abutments, piers, towers, or other permanent structures on State-owned submerged lands, tidal wetlands, and dunes/beaches? ____Yes ____ No.

   If yes, please provide the following:

   a. Amount of excavation in wetlands _____ cubic yards
      _____ square feet

   b. Amount of excavation in submerged land _____ cubic yards
      _____ square feet

   c. Amount of excavation in dune/beach _____ cubic yards
      _____ square feet

   d. Amount of fill in wetlands _____ cubic yards
      _____ square feet

   e. Amount of fill in submerged lands _____ cubic yards
      _____ square feet

   f. Amount of fill in dune/beach _____ cubic yards
      _____ square feet


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## Part 3 – Appendices (continued)

**Appendix D: Aquaculture Related Structures** such as cages and floats. Before completing this appendix, please review the aquaculture requirements summary at: http://mrc.virginia.gov/Shellfish_Aquaculture.shtm.

1. Will the activity be for commercial purposes? _____Yes _____ No.

   If Yes and structures will be placed upon an oyster ground lease, you may qualify for the VMRC General Permit #4 for Temporary Protective Enclosures for Shellfish. For more info see: http://www.mrc.virginia.gov/regulations/MRC_Scanned_Regs/Shellfish_Mix/fr1130_12-0107.pdf. If you qualify for the General Permit #4, or if such structures are proposed that are not on an oyster planting ground lease, or for floating structures of any kind, complete this Joint Permit Application and include the necessary information requested below in question 2 through 11.

   If No, you may qualify for the VMRC General Permit #3, for Noncommercial Riparian Shellfish Growing (i.e. "Gardening") For more information see: http://www.mrc.virginia.gov/forms/VGP3_Aquaculture.doc.pdf. If you qualify for this general permit use the Abbreviated Joint Permit Application For Noncommercial Riparian Shellfish Aquaculture Structures available at https://mrc.virginia.gov/forms/2019/VGP3_Aquaculture_form_2019.pdf ***do not use this Joint Permit Application***.

2. Will aquaculture structures be attached to an existing pier or other structure? ____ Yes ____ No.

3. The plat file # if proposed upon oyster planting ground lease(s)._____

4. The maximum area where enclosures are proposed. _____ square feet

5. The maximum number of enclosures being proposed to be deployed. _____

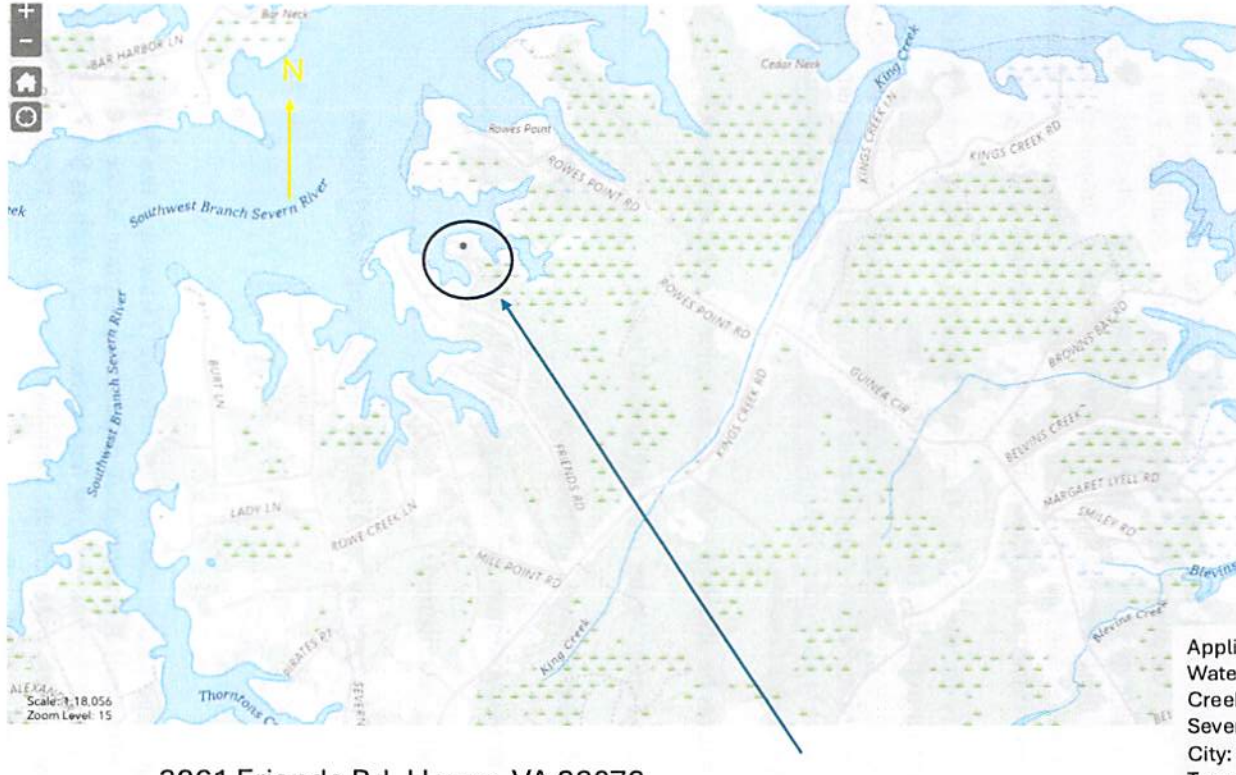
6. The species of shellfish to be cultured. _____

7. A detailed description of the enclosures to include width, length and height.

8. In addition to the requirements itemized in Part 4 Project Drawings, the following additional information must be included on your project drawings: A general description of the area within 500 feet of deployment area. Provide a drawing that depicts existing marine resources such as SAV, shellfish beds, fixed fishing devices, public grounds, piers, water depths at mean low water, tide range, and the minimum clearance at mean low tide over the enclosures.

9. Provide the date enclosures are proposed to be deployed _____. How will the structures be secured? _____.

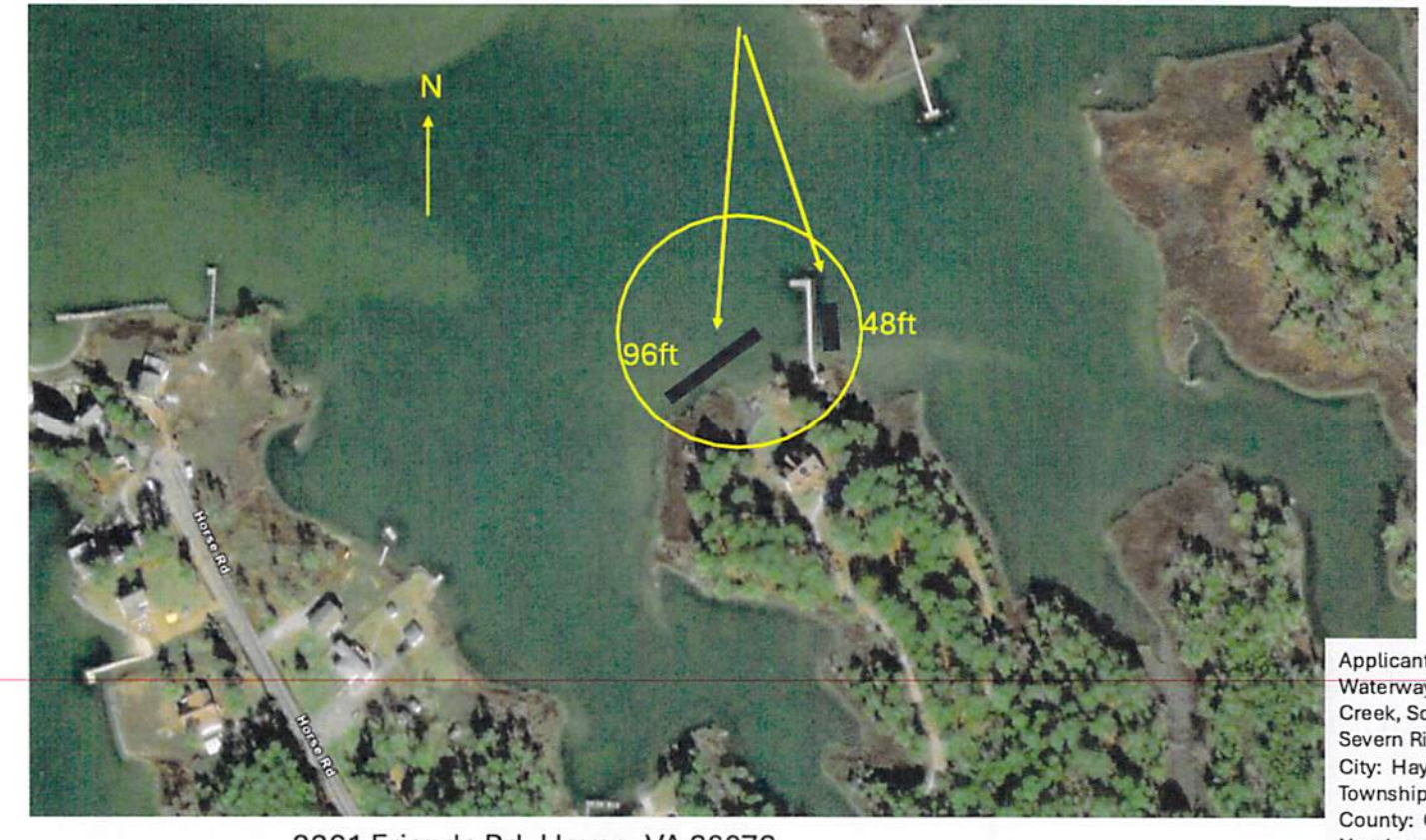
Proposed Breakwaters to protect shoreline




3261 Friends Rd, Hayes, VA 23072
Property of The Living Trust of Dennis Roddy and Vickie Roddy

Applicant: Roddy
Waterway: Holly Bush Creek, Southwest Branch Severn River
City: Hayes
Township:
County: Gloucester
Number of sheets: 8
Date: 04/07/2025

Proposed Breakwaters to protect shoreline




Applicant: Roddy
Waterway: Holly Bush Creek, Southwest Branch Severn River
City: Hayes
Township:
County: Gloucester
Number of sheets: 8
Date: 04/07/2025

3261 Friends Rd, Hayes, VA 23072
Property of The Living Trust of Dennis Roddy and Vickie Roddy

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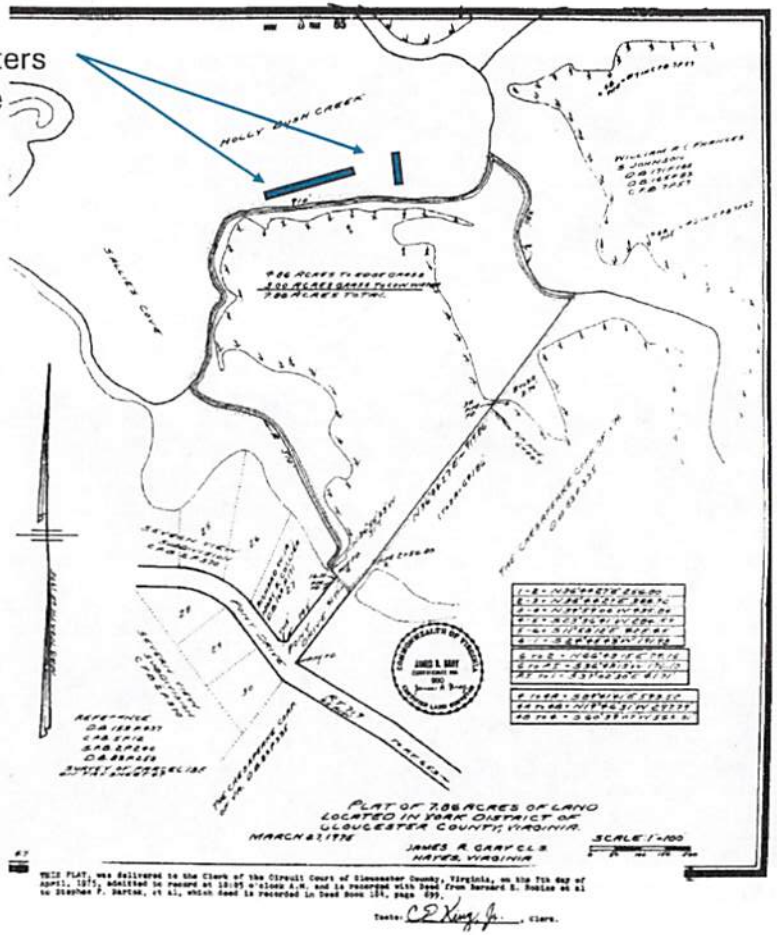
Proposed Breakwaters
to protect shoreline

N




PLAT
3261 Friends Rd, Hayes, VA 23072
Property of The Living Trust of Dennis Roddy and Vickie Roddy

Applicant: Roddy
Waterway: Holly Bush Creek, Southwest Branch Severn River
City: Hayes
Township:
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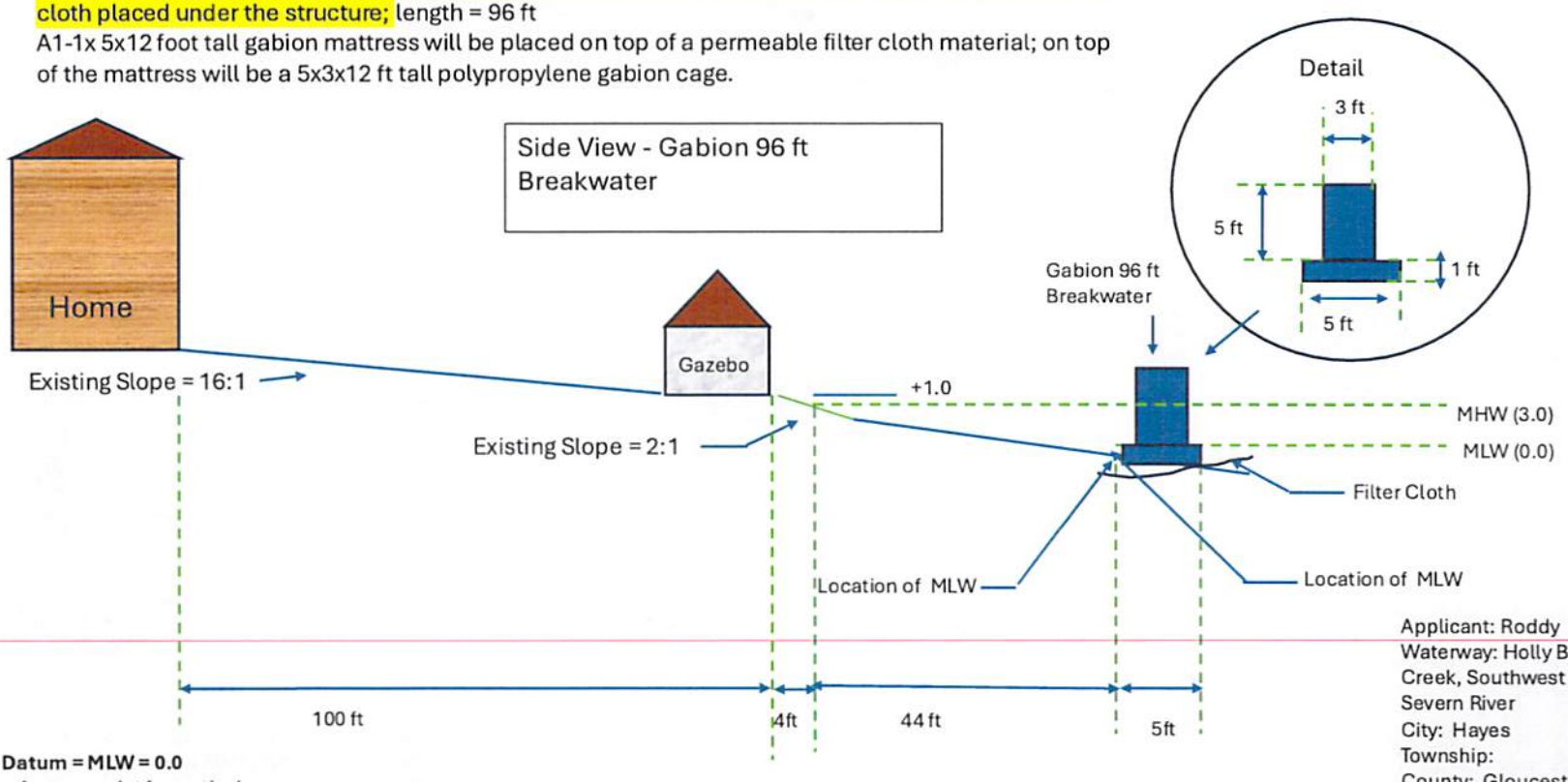
Number of sheets: 8
Date: 04/07/2025

Received by VMRC April 11, 2025 /blh

Gabion Breakwater:
Composed of 8-1x5x12 Polypropylene basket placed on top of 8-5x3x12 Polypropylene baskets; filter cloth placed under the structure; length = 96 ft
A1-1x 5x12 foot tall gabion mattress will be placed on top of a permeable filter cloth material; on top of the mattress will be a 5x3x12 ft tall polypropylene gabion cage.




**Datum = MLW = 0.0**
reference point for vertical measurements is Mean Low Water (MLW), and the elevation of that datum is set at 0.0.

Applicant: Roddy
Waterway: Holly Bush Creek, Southwest Branch Severn River
City: Hayes
Township:
County: Gloucester
Number of sheets: 8
Date: 04/07/2025

**Proposed Gabion Breakwater:**
Composed of 4-1x5x12 ft Polypropylene gabion mattress, topped with 4-5x3x12ft Polypropylene baskets; filter cloth placed under the structure; length = 48 ft
A 1-foot tall gabion mattress will be placed on top of a permeable filter cloth material; on top of the mattress will be a 5 ft tall polypropylene gabion cage.

Applicant: Roddy
Waterway: Holly Bush Creek, Southwest Branch Severn River
City: Hayes
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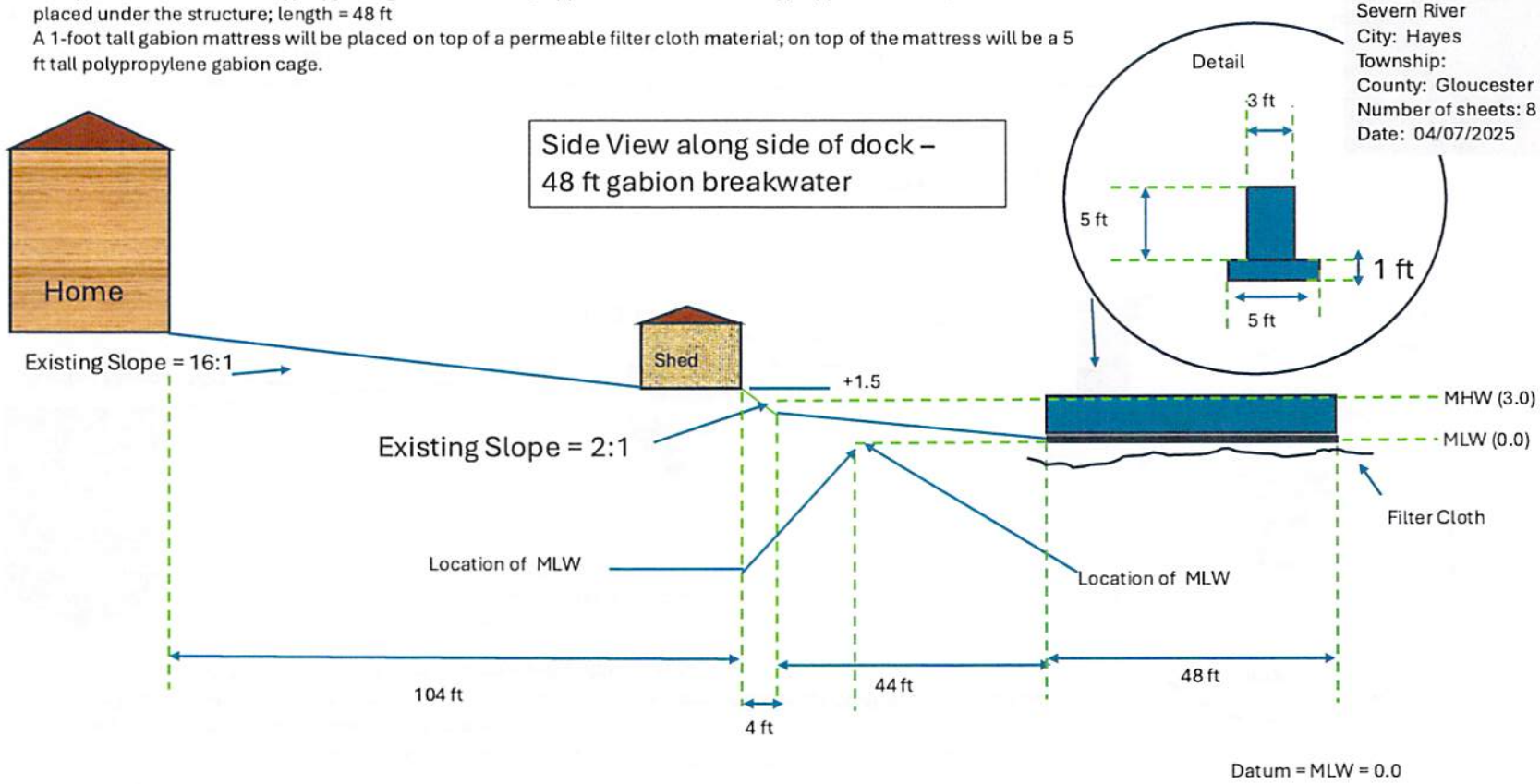
Date: 04/07/2025

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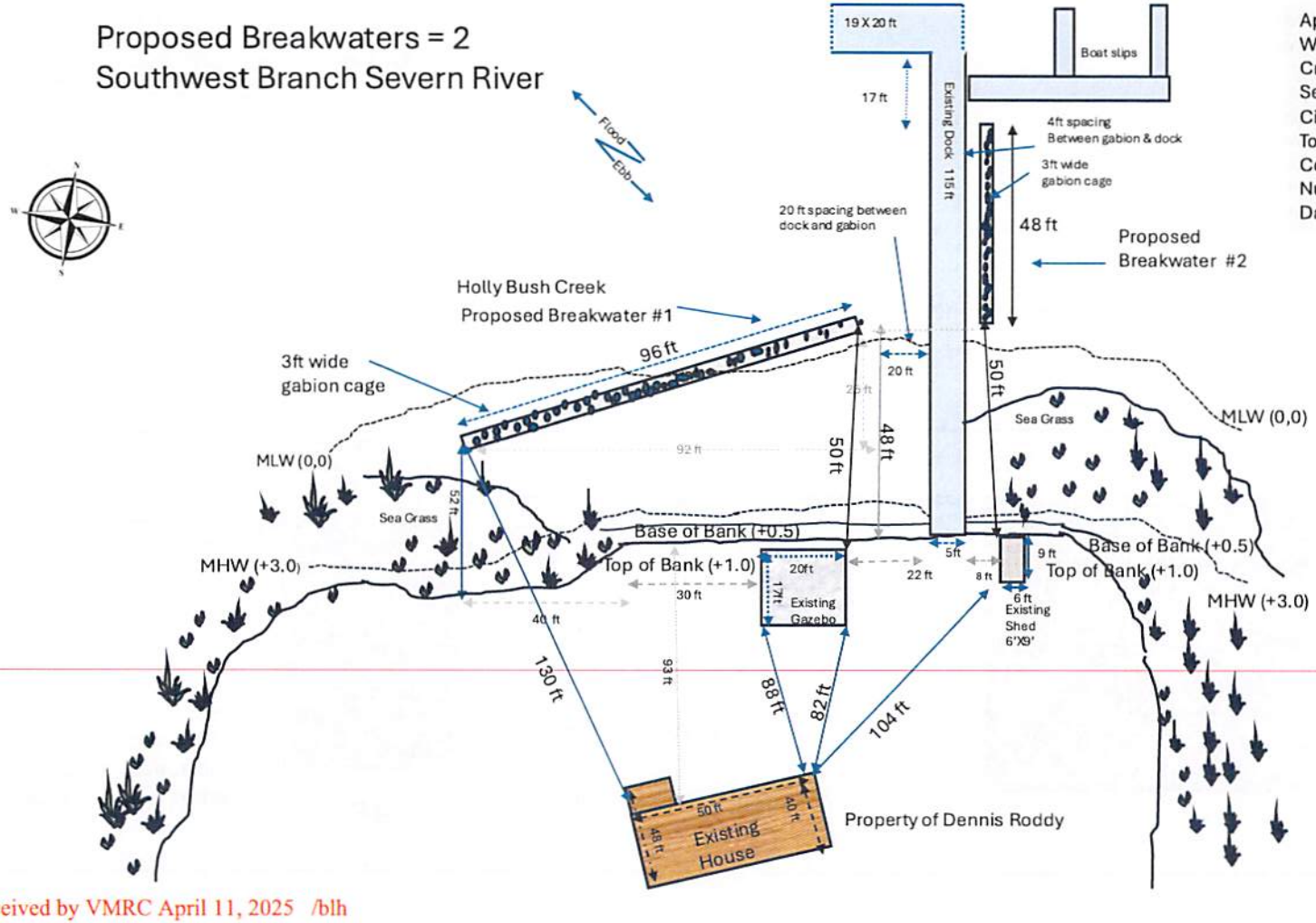
Proposed Breakwaters = 2
Southwest Branch Severn River




Applicant: Roddy
Waterway: Holly Bush Creek, Southwest Branch Severn River
City: Hayes
Township:
County: Gloucester
Number of sheets: 8
Date: 04/07/2025

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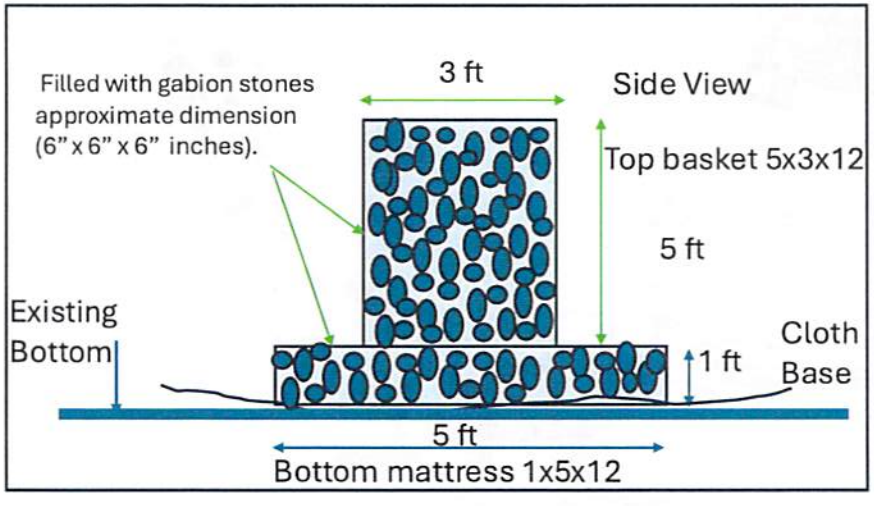
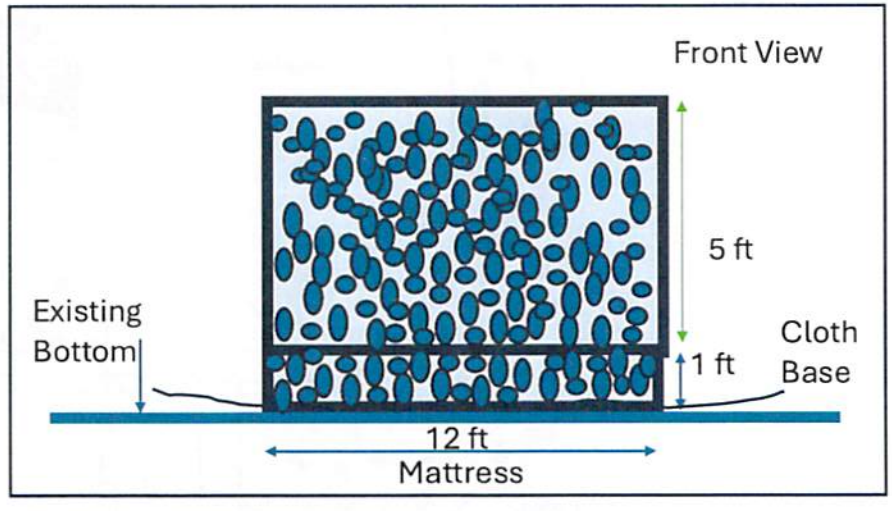
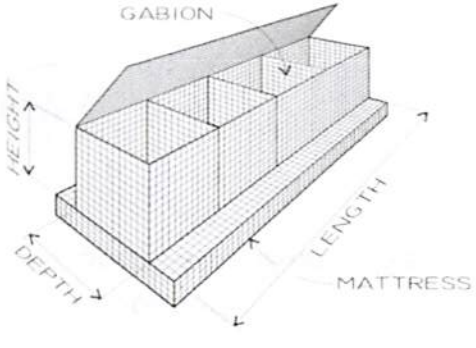
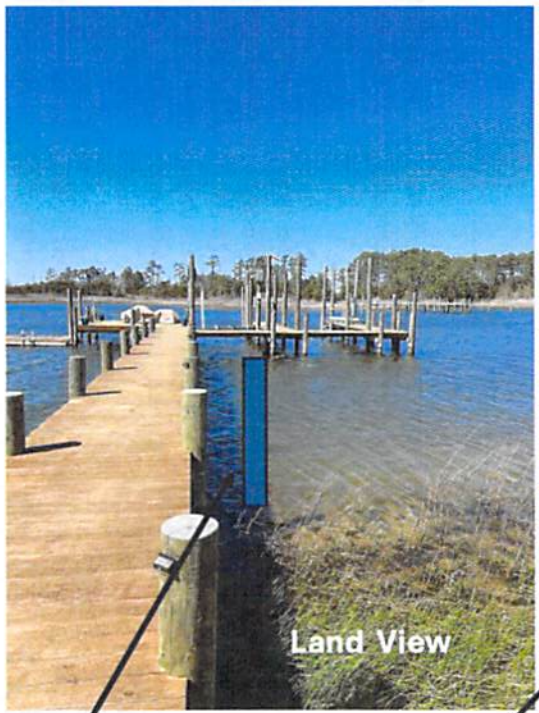


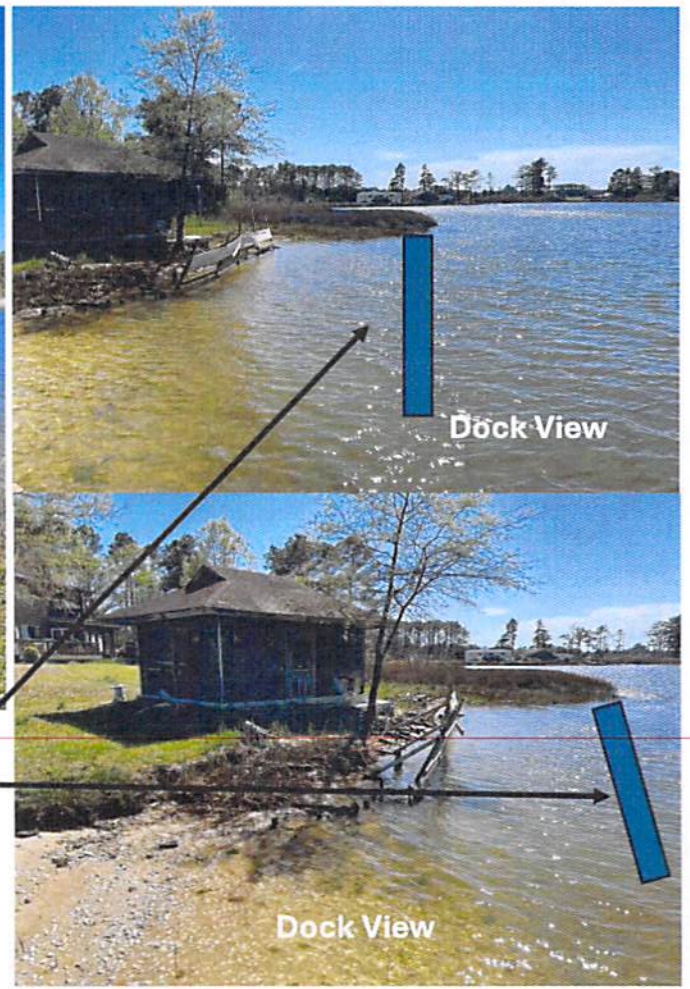




Gabion Cross Section – Applies to both Gabion breakwaters

Applicant: Roddy
Waterway: Holly Bush Creek, Southwest Branch Severn River
City: Hayes
Township:
County: Gloucester
Number of sheets: 8
Date: 04/07/2025


48 ft Gabion Breakwater

96 ft Gabion Breakwater

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Waterway: Holly Bush Creek, Southwest Branch Severn River
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Date: 04/07/2025

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Matthew S. Wells
*Director*

Frank N. Stovall
*Deputy Director for Operations*

Darryl Glover
*Deputy Director for Dam Safety, Floodplain Management and Soil and Water Conservation*

Laura Ellis
*Interim Deputy Director for Administration and Finance*

# *COMMONWEALTH of VIRGINIA*

DEPARTMENT OF CONSERVATION AND RECREATION

**REPLY TO:**
**Tappahannock Regional Office**
**P. O. Box 1425**
**Tappahannock, VA 22560**
**Telephone: (804) 443-1494**
**FAX: (804) 443-4534**

June 28, 2022

Mr. Dennis Roddy
9004 Nomini Lane
Alexanderia, VA 22309

RE: SEAS# T22059

Dear Mr. Roddy:

On June 14, I met with you and your wife, at your property, on the Severn River in Gloucester County. The site visit was in response to your request for advisory assistance concerning a shoreline erosion problem.

The Shoreline Studies Program, at the Virginia Institute of Marine Science, has created a Shoreline Evolution Map for tidal localities in Virginia. The map was created using aerial photography from 1937 to 2009. The map shows shoreline change over time. Based upon that map, the historical erosion rate for your area is less than 1 foot per year. The erosion on your property appears to be caused by elevated water levels and waves associated with storms. The following recommendations are made as a result of the site visit and subsequent analysis of the problem:

1. The marsh grasses growing on your shore dissipate wave energy and bind the soil with their roots. We recommend you begin a periodic maintenance program for the grasses. Tidal debris should be periodically removed to prevent smothering of the grasses. The encroachment of trees and shrubs into the grasses should be prohibited. The program should increase plant vigor and promote growth.

2. During the site visit, we discussed a nearshore breakwater system that includes beach nourishment. The sand nourishment should be good-quality, medium to coarse grain sand. The breakwaters provide protection for the beach by reducing the wave energy reaching the shoreline. Additionally, breakwaters will interrupt the along shore transport of sand causing it to be deposited in the lee of the structures. This process helps maintain the beach over time. The height, length and placement of the structures can vary depending on the desired results. In general, the structures are placed parallel to the shoreline. Angular quarry stone is the most commonly used material for breakwater construction. The breakwaters should

be constructed with a trapezoidal cross section. The side slopes should be 2:1 (horizontal:vertical) or flatter. A minimum of two layers of armor stone should be used. Each armor stone should weigh a minimum of 300 pounds. A layer of filter cloth should be used under the breakwater. See the enclosed cross-sectional view of a typical riprap breakwater.

3. To help stabilize the beach, we recommend establishment of a grass fringe. The establishment of the grass fringe would involve planting saltmeadow hay, American beachgrass, and Atlantic coastal panicgrass. The grasses may be purchased or transplanted from neighboring areas with permission.

   Saltmeadow hay grows above the mean high tide elevation and should be planted from late April through June. American beachgrass and coastal panicgrass grow above the extreme high tide elevation and should be planted from late October through April. Care should be taken to plant the grasses within the proper zone.

   To transplant the grasses, dig healthy plants and be sure to obtain an adequate root mass. Plant the grasses on an 18-inch by 18-inch grid. We recommend fertilization at the time of planting. A slow release fertilizer such as Osmocote can be placed in the hole with the plant. You should use approximately one ounce per plant. An alternative to Osmocote is any available fertilizer such as 10-10-10. Approximately two ounces of the alternate fertilizer should be side-dressed about six inches from the plant. To prevent damage to the source area, do not remove large numbers of plants from one section. The source area should be fertilized after plugging. If you wish to purchase plants or have someone do the planting for you, see the enclosed list of suppliers and contractors. See the enclosed information concerning descriptions of the grasses.

4. The Phragmites (Reed Grass) growing on your property is invasive and can adversely impact the native wetland vegetation. It can be eliminated, but it is a generally a two year process. The first step is the application of a biodegradable herbicide that is non-toxic to animals and is approved by the U. S. EPA for use in wetlands. The herbicide should be carefully applied in the early fall. In late winter, the dead Phragmites should be cleared to open the area to desired species. This process may need to be repeated for a second year.

The above recommendations are made in my capacity as an advisory agent in shoreline erosion control matters. The suggestions should not be considered as binding you to any particular course of action, as they are intended to indicate what we think would be the best solution in terms of cost and effectiveness. Our examination of the site or this report does not constitute permission by the Commonwealth, or its agencies, to proceed with implementation of control measures. Permits from State and Federal agencies are generally required for shoreline modification.

You should also be aware that success in shoreline erosion control cannot be guaranteed, as there are many variables involved. In this regard, we suggest care in selecting a contractor. Our comments

concerning construction are intended as guidelines developed from our experience in viewing structures that have been successful or have failed.

If you decide to construct a control measure, an assessment of the impacts of the project on the environment will be given by the regulatory agencies. Our advice is given with the idea of reducing environmental impacts associated with our recommendations. Although this has been considered in our recommendations, the permit reviewing agencies may desire additional information or measures.

Services available through this office include: review of the permit application; review of design and construction plans; and inspection of structures under construction when plans have been reviewed by this office. We recommend that a copy of this report be attached to the permit application.

If we may be of further assistance or if you have any questions, please let me know.

Sincerely,

Michael L. Vanlandingham

Michael L. Vanlandingham
Shoreline Engineer

Enclosures (10)

Received by VMRC April 11, 2025 /blh