

Wetlands Board Agenda

May 17, 2021



Wetlands Board Hearing Procedures

A Public Hearing of the Virginia Beach Wetlands Board will be held on **Monday, May 17, 2021 at 10:00 a.m. in Suite 5 of the Virginia Beach Convention Center**. A Staff briefing session will be held at 9:00 a.m.. All interested parties are invited to attend.

Citizens are encouraged to submit comments to the Wetlands Board prior to the public hearing via email to waterfront@vbgov.com or via United States Mail to Waterfront Operations, 2875 Sabre Street, Suite 500, Virginia Beach, VA 23452.

Due to the ongoing COVID-19 pandemic, please review the Wetlands Board website at www.vbgov.com/wetlands for the most up to date information. If you are **physically disabled** or **visually impaired** and need assistance at this meeting, please call **The Department of Planning and Community Development at (757) 385-4621**

Copies of plans, ordinances and amendments are on file and may be examined by appointment in the Department of Planning at 2875 Sabre St, Suite 500 or online at www.vbgov.com/wetlands. For additional information call the Planning Department at 757-385-4621. Staff reports will be available on the webpage 5 days prior to the meeting.

PLEASE TURN YOUR CELL PHONE OFF OR TO VIBRATE DURING THE HEARING.

THE ADMINISTRATIVE COMMENTS CONTAINED IN THE ATTACHED AGENDA CONSTITUTE STAFF RECOMMENDATIONS FOR EACH APPLICATION AND ARE ADVISORY ONLY. FINAL DETERMINATION OF THE APPLICATION IS MADE BY THE VIRGINIA BEACH WETLANDS BOARD AT THE PUBLIC HEARING.

THE FOLLOWING DESCRIBES THE ORDER OF BUSINESS FOR THE PUBLIC HEARING

1. **WITHDRAWALS AND DEFERRALS:** The first order of business is the consideration of withdrawals or requests to defer an item. The Board will ask those in attendance at the hearing if there are any requests to withdraw or defer an item that is on the agenda. **PLEASE NOTE THE REQUESTS THAT ARE MADE, AS ONE OF THE ITEMS BEING WITHDRAWN OR DEFERRED MAY BE THE ITEM THAT YOU HAVE AN INTEREST IN.**
 - a. An applicant may **WITHDRAW** an application without the Boards's approval at any time prior to the commencement of the public hearing for that item. After the commencement of the hearing, however, the applicant must request that the Wetlands Board allow the item to be withdrawn.
 - b. In the case of **DEFERRALS**, the Board's policy is to defer the item **FOR AT LEAST 60 DAYS**. Although the Board allows an item to be deferred upon request of the applicant, the Board will ask those in attendance if there are any objections to the request for deferral. If you wish to oppose a deferral request, let the Board know when they ask if there is anyone in attendance who is opposed to the deferral. **PLEASE** confine your remarks to the deferral request and do not address the issues of the application – in other words, please let the Board know why deferring the application is unacceptable rather than discussing what your specific issue is with the application.
2. **REGULAR AGENDA:** The Board will then proceed with the remaining items on the agenda, according to the following process:

* Deferral

** Withdrawal

**Wetlands Board Agenda
May 17, 2021**

- a. The applicant or applicant's representative will have 10 minutes to present the case.
- b. Next, those who wish to speak in support to the application will have 3 minutes to present their case.
- c. If there is a spokesperson for the opposition, he or she will have 10 minutes to present their case.
- d. All other speakers not represented by the spokesperson in opposition will have 3 minutes.
- e. The applicant or applicant's representative will then have 3 minutes for rebuttal of any comments from the opposition.
- f. There is then discussion among the Board members. No further public comment will be heard at that point. The Board may, however, allow additional comments from speakers if a member of the Board sponsors them. Normally, you will be sponsored only if it appears that new information is available and the time will be limited to 3 minutes.
- g. The Board does not allow slide or computer-generated projections other than those prepared by the Planning Department Staff.
- h. The Board asks that speakers not be repetitive or redundant in their comments. Do not repeat something that someone else has already stated. Petitions may be presented and are encouraged. If you are part of a group, the Board requests, in the interest of time, that you use a spokesperson, and the spokesperson is encouraged to have his or her supporters stand to indicate their support.

The Staff reviews of some or all of the items on this agenda suggest that certain conditions be attached to approval by the Wetlands Board. However, it should not be assumed that those conditions constitute all the conditions that will ultimately be attached to the project. Staff agencies may impose further conditions and requirements during administration of applicable City ordinances.

* Deferral
** Withdrawal

9:00 A.M. – STAFF BRIEFING AND DISCUSSION

- REVIEW OF PUBLIC HEARING AGENDA ITEMS

10:00 A.M. – PUBLIC HEARING

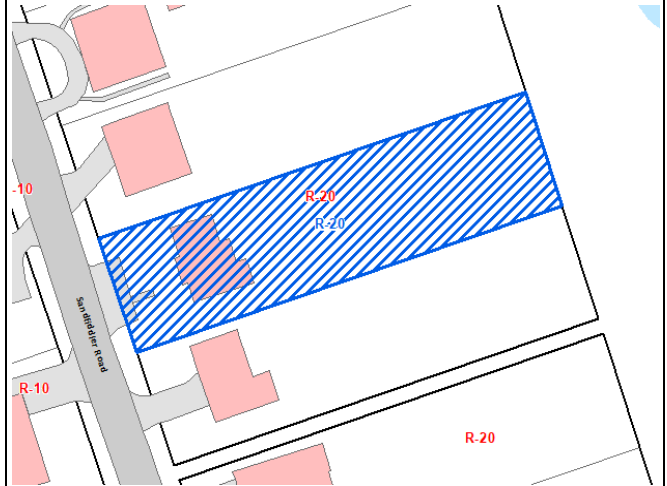
OLD BUSINESS – COASTAL PRIMARY SAND DUNE/BEACH

1. 2020-WTRA-00065
Jim Dinkins [Applicant/Owner]
REQUEST FOR 1 YEAR EXTENSION

To grade sand involving a Coastal Primary Sand Dune/Beach

3256 Sandfiddler Rd
(GPIN 2433-50-5019)

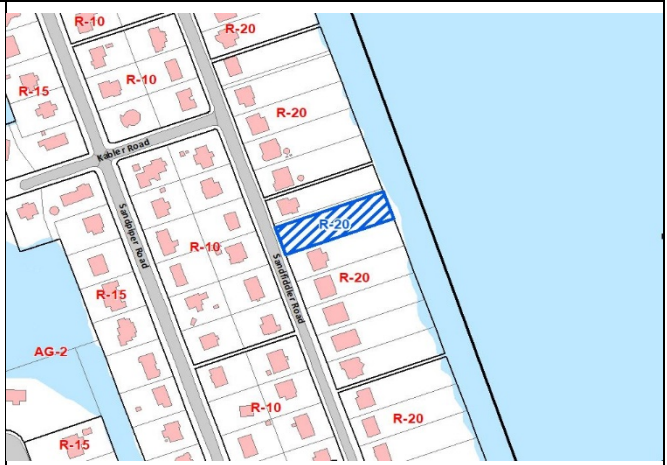
Waterway – Atlantic Ocean
Subdivision – Sandbridge
Council District – Princess Anne



NEW BUSINESS – COASTAL PRIMARY SAND DUNE/BEACH

2. 2021-WTRA-00131
Tim Tyndall [Applicant/Owner]
To construct a bulkhead involving Coastal Primary Sand Dune/Beach
3520 Sandfiddler Road
(GPIN 2432-66-8512)

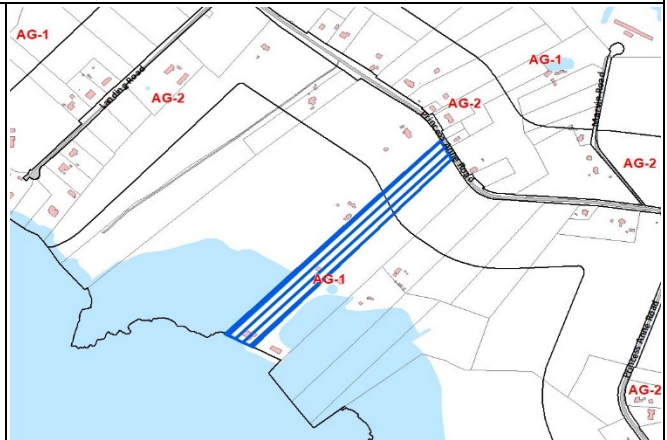
Waterway – Atlantic Ocean
Subdivision – Sandbridge
Council District – Princess Anne



NEW BUSINESS – WETLANDS

3. 2021-WTRA-00102
Edward Amdahl [Applicant/Owner]
To construct rip rap involving wetlands
337 Princess Anne Road
(GPIN 2317-36-0693)

Waterway – North Landing River
Subdivision – Pungo
Council District – Princess Anne



* Deferral
** Withdrawal

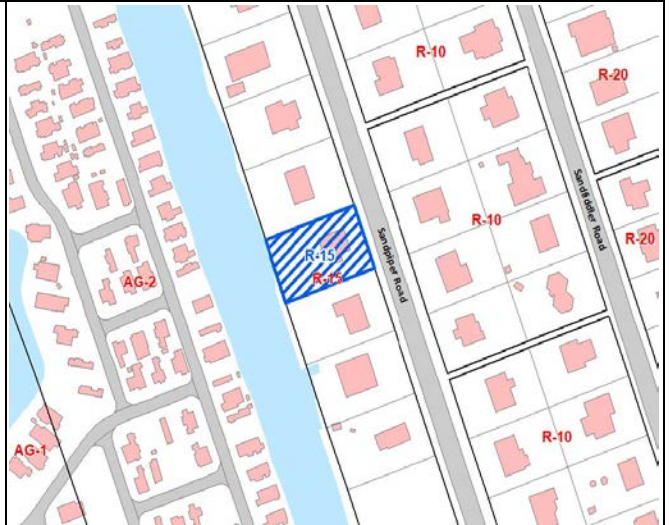
NEW BUSINESS – WETLANDS

4. 2021-WTRA-00084
Thao & Anh Nguyen
[Applicant/Owner]

To construct a bulkhead and boat ramp involving wetlands

3649 Sandpiper Road
(GPIN 2432-64-9263)

Waterway – Ships Bay
Subdivision – Sandbridge
Council District – Princess Anne

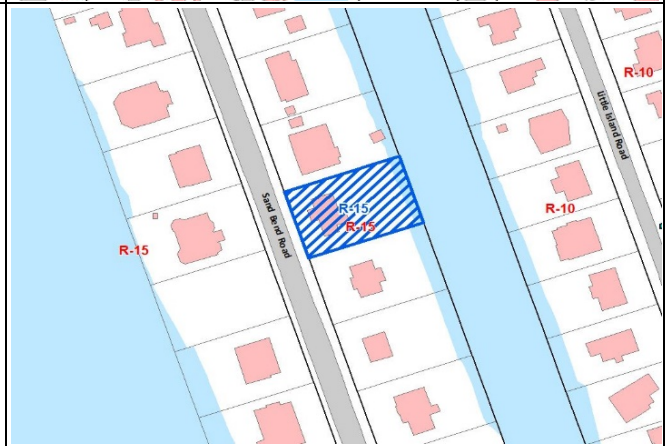


5. 2021-WTRA-00083
Kevin Heinsman [Applicant/Owner]

To remove and relocate rip rap involving wetlands

2960 Sand Bend Road
(GPIN 2433-33-5113)

Waterway – Canal to North Bay
Subdivision – Sandbridge
Council District – Princess Anne



* Deferral
** Withdrawal

1. 2020-WTRA-00065

Jim Dinkins [Applicant/Owner]

REQUEST FOR 1 YEAR EXTENSION

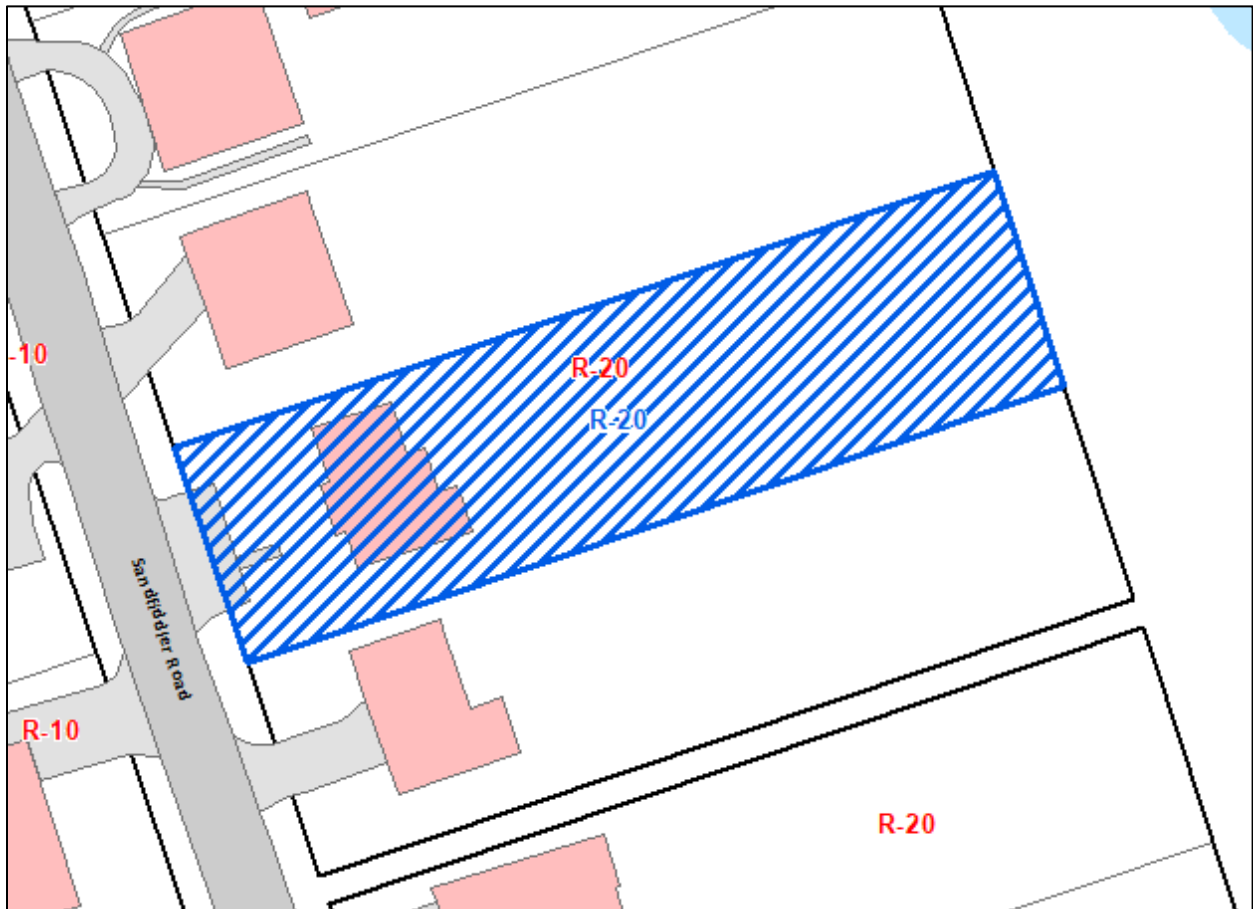
To grade sand involving a Coastal Primary Sand Dune/Beach

3256 Sandfiddler Rd
(GPIN 2433-50-5019)

Waterway – Atlantic Ocean

Subdivision – Sandbridge

Council District – Princess Anne



From: [Jim Dinkins](#)
To: [Whitney K. McNamara](#)
Subject: Extension for sand permit
Date: Thursday, April 15, 2021 10:37:50 AM

CAUTION: This email originated from outside of the City of Virginia Beach. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Whitney,

REF:3256 SANDFIDDLER ROAD

WE WOULD LIKE TO REQUEST AN EXTENSION ON THE SAND PERMIT.

IF I NEED TO DO ANYTHING ELSE FOR THIS, PLEASE LET ME KNOW.

THANKS, JIM DINKINS

DATED: 04-15-21

02. 2021-WTRA-00131

Tim Tyndall [Applicant/Owner]

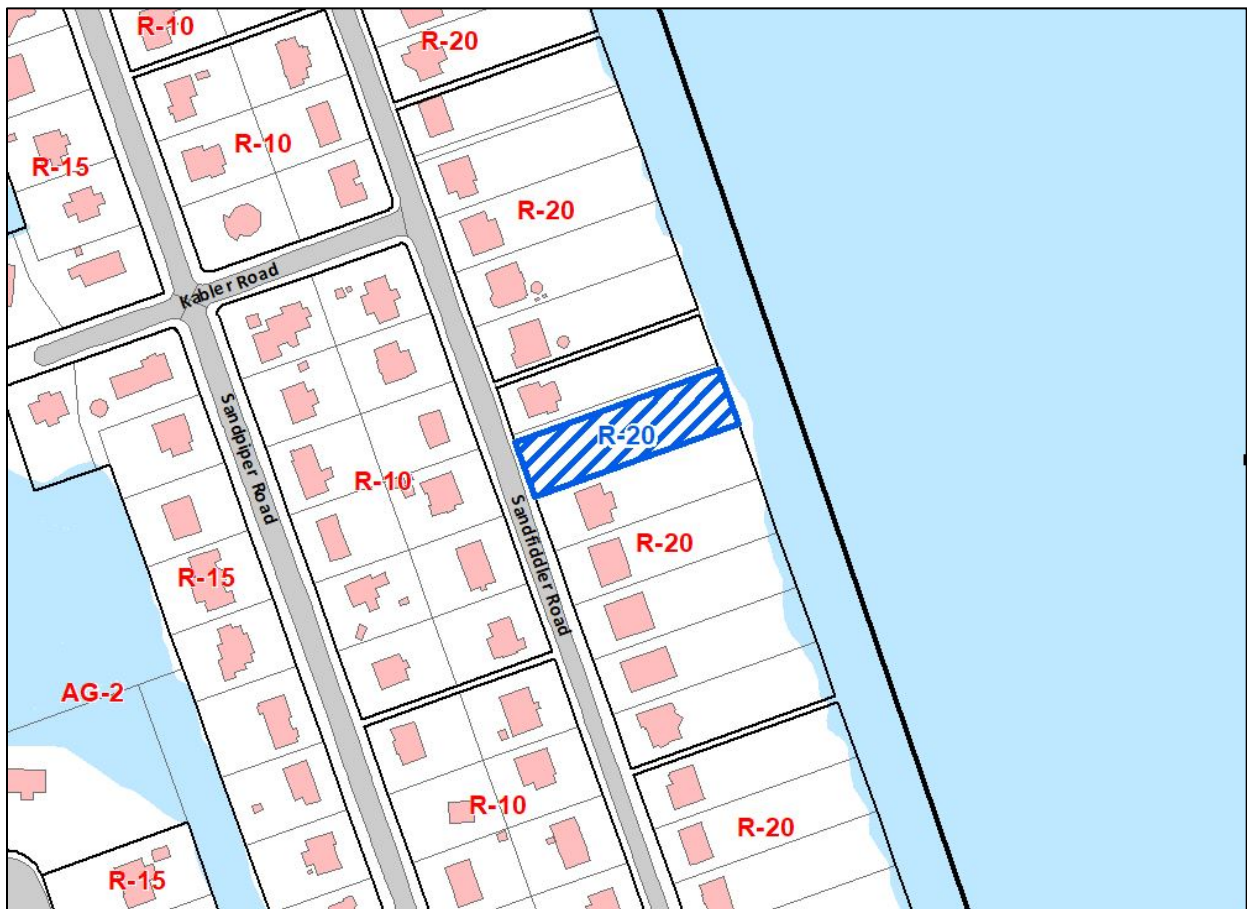
To construct a bulkhead involving Coastal Primary Sand Dune/Beach

3520 Sandfiddler Road
(GPIN 2432-66-8512)

Waterway – Atlantic Ocean

Subdivision – Sandbridge

Council District – Princess Anne



Disclosure Statement

The disclosures contained in this form are necessary to inform public officials who may vote on the application as to whether they have a conflict of interest under Virginia law. The completion and submission of this form is required for all applications that pertain to City real estate matters or to the development and/or use of property in the City of Virginia Beach requiring action by the City Council or a City board, commission or other body.

Applicant Disclosure

Applicant Name Timothy & Elizabeth Tyndall

Does the applicant have a representative? Yes No

- If **yes**, list the name of the representative.

Robert E Simon, V.P. of Waterfront Consulting

Is the applicant a corporation, partnership, firm, business, trust or an unincorporated business? Yes No

- If **yes**, list the names of all officers, directors, members, trustees, etc. below. (Attach a list if necessary)
-
-
-

- If **yes**, list the businesses that have a parent-subsiary¹ or affiliated business entity² relationship with the applicant. (Attach a list if necessary)
-
-

¹ "Parent-subsiary relationship" means "a relationship that exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation." See State and Local Government Conflict of Interests Act, VA. Code § 2.2-3101.

² "Affiliated business entity relationship" means "a relationship, other than parent-subsiary relationship, that exists when (i) one business entity has a controlling ownership interest in the other business entity, (ii) a controlling owner in one entity is also a controlling owner in the other entity, or (iii) there is shared management or control between the business entities. Factors that should be considered in determining the existence of an affiliated business entity relationship include that the same person or substantially the same person own or manage the two entities; there are common or commingled funds or assets; the business entities share the use of the same offices or employees or otherwise share activities, resources or personnel on a regular basis; or there is otherwise a close working relationship between the entities." See State and Local Government Conflict of Interests Act, Va. Code § 2.2-3101.

Known Interest by Public Official or Employee

Does an **official or employee of the City of Virginia Beach** have an interest in the subject land or any proposed development contingent on the subject public action? **Yes** **No**

- If **yes**, what is the name of the official or employee and what is the nature of the interest?
-

Applicant Services Disclosure

1. Does the applicant have **any existing financing (mortgage, deeds of trust, cross-collateralization, etc) or are they considering any financing** in connection with the subject of the application or any business operating or to be operated on the property?

Yes **No**

- If **yes**, identify the financial institutions.
-

2. Does the applicant have a **real estate broker/agent/realtor** for current and anticipated future sales of the subject property?

Yes **No**

- If **yes**, identify the real estate broker/realtor.
-

3. Does the applicant have services for **accounting and/or preparation of tax returns** provided in connection with the subject of the application or any business operating or to be operated on the property? **Yes** **No**

- If **yes**, identify the firm or individual providing the service.
-

4. Does the applicant have services from an **architect/landscape architect/land planner** provided in connection with the subject of the application or any business operating or to be operated on the property? **Yes** **No**

- If **yes**, identify the firm or individual providing the service.
-

5. Is there any other **pending or proposed purchaser** of the subject property? **Yes** **No**

- If **yes**, identify the purchaser and purchaser's service providers.
-

Disclosure Statement



Planning & Community
Development

6. Does the applicant have a **construction contractor** in connection with the subject of the application or any business operating or to be operated on the property? Yes No

- If yes, identify the construction contractor.

7. Does the applicant have an **engineer/surveyor/agent** in connection with the subject of the application or any business operating or to be operated on the property? Yes No

- If yes, identify the engineer/surveyor/agent.

WCI, Chesapeake Bay Site Solutions

8. Is the applicant receiving **legal services** in connection with the subject of the application or any business operating or to be operated on the property? Yes No

- If yes, identify the name of the attorney or firm providing legal services.

Applicant Signature

I certify that all of the information contained in this Disclosure Statement Form is complete, true, and accurate. I understand that, upon receipt of notification that the application has been scheduled for public hearing, I am responsible for updating the information provided herein two weeks prior to the meeting of Planning Commission, City Council, VBDA, CBPA, Wetlands Board or any public body or committee in connection with this application.

Applicant Signature

Tim Tyndall

Print Name and Title

3/30/21

Date

Is the applicant also the owner of the subject property? Yes No

- If yes, you do not need to fill out the owner disclosure statement.

FOR CITY USE ONLY/ All disclosures must be updated two (2) weeks prior to any Planning Commission and City Council meeting that pertains to the applications

<input type="checkbox"/>	No changes as of	Date	Signature	
			Print Name	

- ❖ 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 #

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"/> NWP # _____ <i>(For Nationwide Permits ONLY - No DEQ-VWP permit writer will be assigned)</i>	Regional Permit 17 (RP-17) <input type="checkbox"/>			
County or City in which the project is located: <u>Virginia Beach</u>				
Waterway at project site: <u>Atlantic Ocean</u>				
<i>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)</i>				
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:
Timothy Tyndall Home () _____
7604 Queponco Road Work () _____
Newark, MD 21841 Fax () _____
Cell (410) 430-4181
e-mail timtyndall001@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): Contact Information:
Waterfront Consulting, Inc. Home () _____
2589 Quality Court, Ste. 323 Work (757) 425-8244
Virginia Beach, VA 23454 Fax (757) 425-8244
Cell (757) 619-7302
e-mail bob@waterfrontconsulting.net
State Corporation Commission Name and ID Number (if applicable) 047-4381-1

*** 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.

The project is to construct 78 LF of vinyl bulkhead with (2) return walls and grade approximately 1,473 CYs of sand as shown in the permit drawings.

The proposed bulkhead will extend across the city 10' Walkway at cap EL: 9.0 and tie into the concrete cap of Lot 17. No grading activities will take place in the 10' Walkway as per the sand management guidelines.

The bulkhead will use (28) Class B piles that will be augered and hammered via an excavator on land.

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

Virginian Pilot

(757) 622-1455 _____

150 W. Brambleton Avenue

Norfolk, VA 23510

7. Give the following project location information:

Street Address (911 address if available) 3520 Sandfiddler Road

Lot/Block/Parcel# Lot 18, Section 2, Tract D, Sandbridge Beach

Subdivision Sandbridge

City / County Virginia Beach ZIP Code 23456

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

36.705275 / -75.928107 (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.*

The project is located on public roads.

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."

The primary purpose of the project is storm protection.

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.*

There will be no wetlands impacts associated with this project.

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.): \$ 180,000.00
Approximate cost of that portion of the project that is channelward of mean low water:
\$ 0

13. Completion date of the proposed work: Approximately 1 year from permit date - _____

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.

Robert J. van Divender	1500 Westbrook Court, Apt. 4116	Richmond, VA 23227
City of Virginia Beach	2401 Courthouse Drive	Virginia Beach, VA 23456
Donald K. Tomlins	208 Doubletree Drive	Venetia, PA 15367

Part 2 - Signatures

I. 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.

Timothy Tyndall

Applicant's Legal Name (printed/typed)

(Use if more than one applicant)



Applicant's Signature

(Use if more than one applicant)

Date 3/30/21

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), Timothy Tyndall, hereby certify that I (we) have authorized Waterfront Consulting, Inc.
(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.

Robert E. Simon, V.P.

(Agent's Signature)

(Use if more than one agent)

(Date)

Timothy Tyndall
(Applicant's Signature)

(Use if more than one applicant)

(Date)

3/30/21

3. Applicant's having contractors (if applicable)

CONTRACTOR ACKNOWLEDGEMENT

I (we), Timothy Tyndall, have contracted _____
(Applicant's legal name(s)) (Contractor's name(s))

to perform the work described in this Joint Permit Application, signed and dated _____

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 firm's address

Contractor's signature and title

Contractor's License Number

Applicant's signature

(use if more than one applicant)

Date

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:

The project is to construct 78 LF of vinyl bulkhead with (2) return walls and grade approximately 1,473 CYs of sand as shown in the permit drawings.

The proposed bulkhead will extend across the city 10' Walkway at cap EL: 9.0 and tie into the concrete cap of Lot 17. No grading activities will take place in the 10' Walkway as per the sand management guidelines.

There will be no aquatic impacts and no fill placed below the plane of MHW.

2. What is the maximum encroachment channelward of mean high water? 0 feet.
Channelward of mean low water? 0 feet.
Channelward of the back edge of the dune or beach? 12,062 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 12,062 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.

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 bulkhead will consist of vinyl sheet piles, timber piles and walers, H.D. galvanized hardware, and backfill from an approved upland source.

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

Core (inner layer) material _____ pounds per stone Class size _____
 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	0	cubic yards channelward of mean low water
	1,473	cubic yards landward of mean low water
	0	cubic yards channelward of mean high water
	1,473	cubic yards landward of mean high water

• Area to be covered	0	square feet channelward of mean low water
	7,425	square feet landward of mean low water
	0	square feet channelward of mean high water
	7,425	square feet landward of mean high water

• Source of material, composition (e.g. 90% sand, 10% clay): On site (sand 95%, clay 5%)

• Method of transportation and placement:

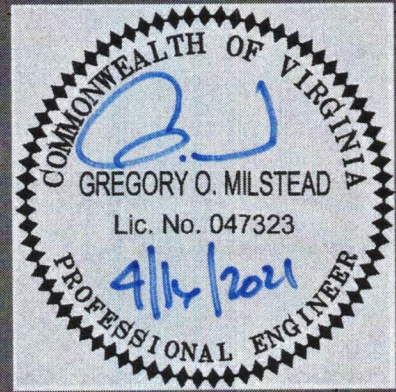
Excavator and Bobcat on site

• 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>:

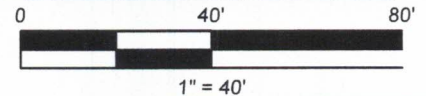
Any existing dune grasses present on site will be harvested and stored on site for re-sprigging at the completion of beach nourishment on dune slopes above the 10' contour as per planting schedule on Sheet 3 of 7.

REF: M.B. 67, PG. 50



EXISTING SITE
CONDITIONS

SANDFIDDLER ROAD



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- PURPOSE:**
DATUM: NAVD = 0.0
A.P.O.
 1. ROBERT VAN DIVENDER
 2. DONALD K. TOMLINS
 3.
 4.

REV: APRIL 15, 2021



**WATERFRONT
CONSULTING, INC.**

2589 QUALITY COURT, STE. 323
VIRGINIA BEACH, VA 23454
PHONE: (757) 425-8244, CELL: (757) 619-7302

ENGINEERING SERVICES PROVIDED BY:
CHESAPEAKE BAY SITE SOLUTIONS, INC.
P.O. BOX 6663 VIRGINIA BEACH, VA 23456
PHONE: (757) 575-3715

**PROPOSED: BULKHEAD
IN: ATLANTIC OCEAN
AT: 3520 SANDFIDDLER ROAD
VIRGINIA BEACH, VA 23456
APPLICATION BY:
TIMOTHY J TYNDALL**

**SHEET 1 OF 7
DATE: MARCH 30, 2021**

THIS PLAN IS BASED ON THE NAVD 1988.
THE SITE ELEVATIONS WERE
ESTABLISHED VIA RTK GPS ON THE
CARON NET REFERENCE NETWORK

REF: M.B. 67, PG. 50

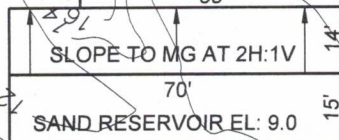
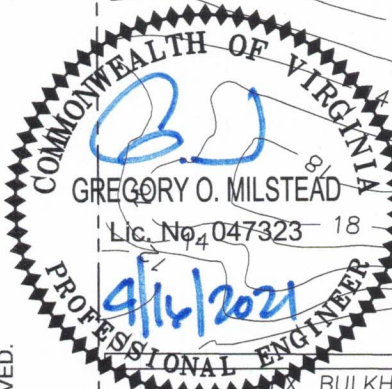
LOT 17
N/F VAN DIVENDER
2432-66-7681

AREA AVAILABLE
FOR SAND FILL
7,425 SF

LOT 19
N/F TOMLINS
2432-66-8445

10' WALKWAY
(M.B. 67, P. 50)

PUBLIC BEACH
EASEMENT
(M.B. 250, P. 95)

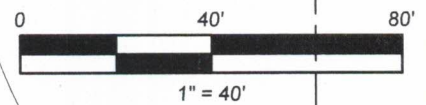


PROPOSED BULKHEAD
ACROSS 10' WALKWAY
DROP CAP TO EL: 9.0'

PROPOSED PILE
SUPPORTED VINYL
BULKHEAD TW: 12.0

SAFETY FENCE
(TYP)

PLAN VIEW



SANDFIDDLER ROAD (50')
(M.B. 67, P. 50)

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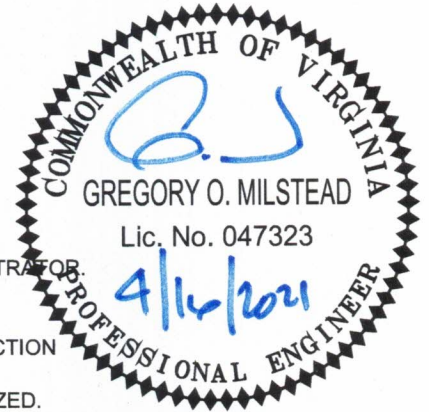
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APPLICATION BY:
TIMOTHY J TYNDALL

SHEET 2 OF 7
DATE: MARCH 30, 2021

SITE DATA

LEGAL DESCRIPTION: LOT 18, TRACT D, SECTION 2, SANDBRIDGE BEACH
 REF: MAP BOOK 67, PAGES 50, ON FILE AT THE CLERK'S OFFICE, VIRGINIA BEACH, VA
 GPIN: 2432-66-8512-0000
 ZONING: R-20



SEQUENCE OF CONSTRUCTION

1. OBTAIN ALL REQUIRED PERMITS.
2. HOLD A PRE-CONSTRUCTION MEETING ON-SITE WITH THE COASTAL ZONE ADMINISTRATOR.
3. INSTALL ALL EROSION CONTROLS AND SAFETY FENCE AS SHOWN ON PLAN.
4. CONSTRUCT SITE IMPROVEMENTS.
5. STABILIZE ALL DISTURBED AREAS AND RESTORE SITE ACCESS TO PRE-CONSTRUCTION VEGETATION OR WITH ACCEPTABLE LANDSCAPING AND GROUND COVER.
6. REMOVE ALL TEMPORARY EROSION CONTROLS WHEN THE SITE HAS BEEN STABILIZED.

CONSTRUCTION NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK, AND AS REQUIRED BY THE CITY'S INSPECTORS.
2. ANY AND ALL MATERIAL OR DEBRIS TRACKED ONTO A PUBLIC OR PRIVATE ROAD SURFACE WILL BE REMOVED AT THE END OF EACH DAY. SEDIMENT WILL BE TRANSPORTED TO A SEDIMENT-CONTROLLED DISPOSAL AREA.
3. ALL EXCAVATED MATERIALS SHALL BE DISPOSED OF IN A LAWFUL MANNER.
4. THESE PLANS ARE FOR PERMIT PURPOSES ONLY. NO GEOTECHNICAL OR STRUCTURAL BORINGS HAVE TAKEN PLACE AT THIS SITE. THE CONTRACTOR/OWNER SHALL VERIFY BOTTOM CONDITIONS.
5. IT SHALL BE THE OWNER/CONTRACTOR'S RESPONSIBILITY TO HAVE ALL UNDERGROUND UTILITIES AND SPRINKLER SYSTEMS LOCATED AND MARKED. THE NUMBER FOR "MISS UTILITY" IS (800) 552-7001 OR 811.

NATIVE GRASS PLANTING CHART

TYPE	STEM SIZE	TIME TO PLANT	SPACING	LOCATION
SEA OATS	10" LONG	MARCH-APRIL	ROWS 2' x 2'	DUNE CREST
AMERICAN BEACH GRASS	15" LONG	MARCH-APRIL	ROWS 1.5' x 1.5'	DUNE CREST
BITTER PANIC GRASS	12" LONG	MARCH-APRIL	ROWS 1.5' x 1.5'	FRONT SLOPE
SPARTINA PATENS	12" LONG	MARCH-APRIL	ROWS 1.5' x 1.5'	BACK SLOPE AND FLAT
SWEETGRASS	SEEDS	MARCH-APRIL	BROADCAST PER SUPPLIER	BACK SLOPE AND FLAT

FERTILIZING SCHEDULE

SEA OATS/BITTER PANIC GRASS	IMMEDIATELY AFTER PLANTING AGAIN 4-6 WEEKS LATER	BROADCAST 200-300 LBS/ACRE 16-4-8 FERTILIZER OR EQUAL
AMERICAN BEACH GRASS	4-6 WEEKS AFTER PLANTING THEN AGAIN IN MARCH THE FOLLOWING YEAR	BROADCAST 300-400 LBS/ACRE 16-4-8 FERTILIZER OR EQUAL

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PURPOSE:
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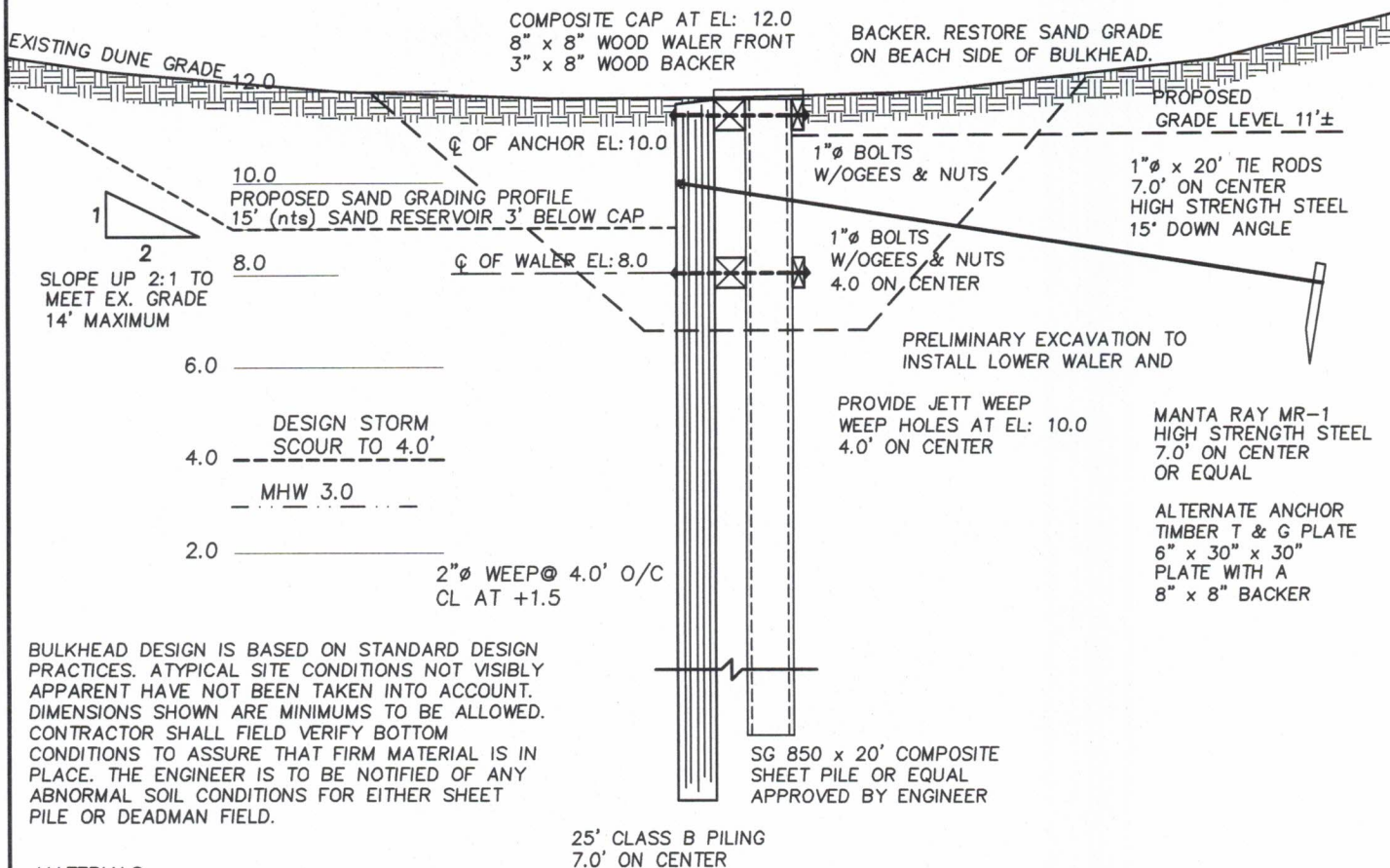
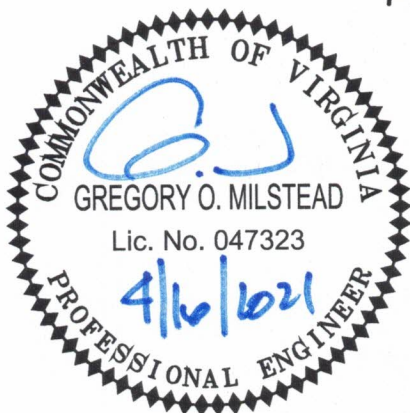
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 TIMOTHY J TYNDALL

SHEET 3 OF 7
 DATE: MARCH 30, 2021

CROSS SECTION PROPOSED BULKHEAD & FILL

SCALE 1/4" = 1.0'

"The City of Virginia Beach does not verify or affirm the design and, in fact, does not recommend building bulkheads or hardening the shoreline on the Atlantic Ocean at Sandbridge, where shifting and eroding sand may cause failure of these bulkheads and structures."



BULKHEAD DESIGN IS BASED ON STANDARD DESIGN PRACTICES. ATYPICAL SITE CONDITIONS NOT VISIBLY APPARENT HAVE NOT BEEN TAKEN INTO ACCOUNT. DIMENSIONS SHOWN ARE MINIMUMS TO BE ALLOWED. CONTRACTOR SHALL FIELD VERIFY BOTTOM CONDITIONS TO ASSURE THAT FIRM MATERIAL IS IN PLACE. THE ENGINEER IS TO BE NOTIFIED OF ANY ABNORMAL SOIL CONDITIONS FOR EITHER SHEET PILE OR DEADMAN FIELD.

MATERIALS:
 TIMBER CCA 2.5 PCF
 HARDWARE HD GALVANIZED
 SHEET PILE BY MANUFACTURER

The design is at least equivalent to or better than the City of Virginia Beach Standard Wakefield design as shown in Appendix C of the Department of Public Works Design Standards Manual

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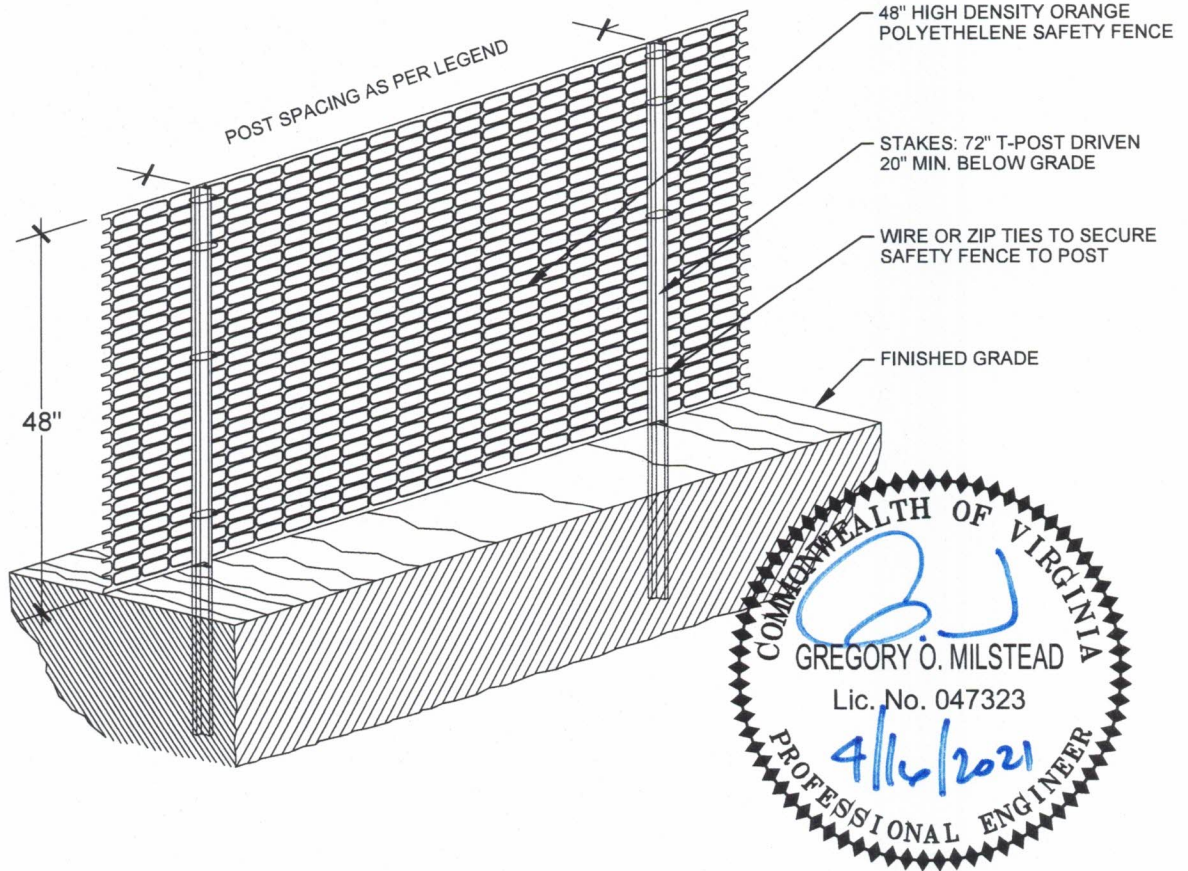
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 APPLICATION BY:
 TIMOTHY J TYNDALL**

**SHEET 4 OF 7
 DATE: MARCH 30, 2021**

48" Orange Safety Fence, 72" T-Posts Sensitive Area/Tree Protection

LEGEND

SAF12	48" ORANGE FENCE, 12 FEET O.C.
SAF11	48" ORANGE FENCE, 11 FEET O.C..
SAF10	48" ORANGE FENCE, 10 FEET O.C.
SAF9	48" ORANGE FENCE, 9 FEET O.C.
SAF8	48" ORANGE FENCE, 8 FEET O.C..
SAF7	48" ORANGE FENCE, 7 FEET O.C.
SAF6	48" ORANGE FENCE, 6 FEET O.C.



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PURPOSE:
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REV: APRIL 15, 2021



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**PROPOSED: BULKHEAD
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 AT: 3520 SANDFIDDLER ROAD
 VIRGINIA BEACH, VA 23456
 APPLICATION BY:
 TIMOTHY J TYNDALL**

**SHEET 5 OF 7
 DATE: MARCH 30, 2021**

SAND MANAGEMENT CONDITIONS

The maximum limits of excavation shall be limited to 15 feet seaward of the bulkhead cap and to a depth no more than three feet below the bulkhead cap. An additional 14' feet shall be allowed for grading of the 2:1 slope.

Any existing dune vegetation removed shall be re-installed on the dune crest and face to the greatest extent practicable. In order to prolong the design life of the sand reservoir and minimize the need for maintenance sand management, the Department of Planning & Community Development also recommends that the existing vegetation or American Beach grass be sprigged 12" on center during the winter months, 5 feet seaward from the new crest, over the crest, and halfway down the newly created back slope.

Prior to moving sand, the property owner, their agent, or their contractor shall check the beach for the presence of sea turtle nests. If any marked nests are found, all action shall be coordinated with US Fish and Wildlife Service to ensure compliance with state and federal laws. The US Fish and Wildlife Service can be reached at 804-824-2405. Once activities have been coordinated with the US Fish and Wildlife Service, documented compliance shall be provided by the applicant/property owner to Waterfront Operations Staff.

Excavated sand that contains debris or rubble shall not be placed on the beach and shall be disposed offsite in a lawful manner.

If the excavated sand is clean beach quality sand, it may be placed upon the beach in accordance with the following conditions:

- a. A single unvegetated access way to the beach is used to transport the sand.
- b. No sand is to be placed upon existing dune vegetation.
- c. No sand is to be placed within 20' of a Public Beach Access.
- d. Any sand placed within 100 feet of mean high water shall be evenly graded along the beach berm (flat dry portion of the beach).



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PURPOSE:
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APPLICATION BY:
TIMOTHY J TYNDALL

SHEET 6 OF 7
DATE: MARCH 30, 2021

23456

ATLANTIC OCEAN

ANGELFISH LA
MOLLY COOPER RD

KABLER RD

SEA SCAPE RD

CORBETT RD

WHITE

SANDFIDDLER RD

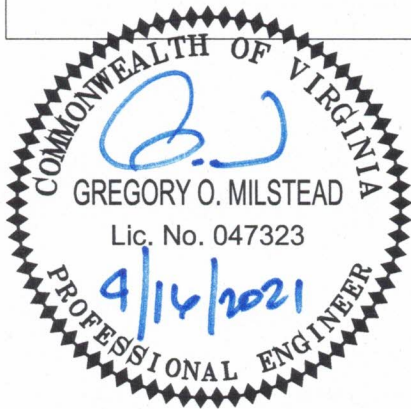
WARM PORT RD

CAP LA

SITE

NORTH BAY

FISHING PIER



LOCATION MAP

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PURPOSE:

DATUM: NAVD = 0.0

A.P.O.

1. ROBERT VAN DIVENDER

2. DONALD K. TOMLINS

3.

4.

REV: APRIL 15, 2021



WATERFRONT CONSULTING, INC.

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PROPOSED: BULKHEAD

IN: ATLANTIC OCEAN

AT: 3520 SANDFIDDLER ROAD

VIRGINIA BEACH, VA 23456

APPLICATION BY:

TIMOTHY J TYNDALL

SHEET 7 OF 7

DATE: MARCH 30, 2021



WATERFRONT CONSULTING, INC.
“Specializing in Permit Processing”

March 30, 2021

Robert J. van Divender
1500 Westbrook Court, Apt. 4116
Richmond, VA 23227

RE: Proposed Bulkhead
Located at 3520 Sandfiddler Road, Virginia Beach, VA 23456

Dear Robert J. van Divender

This letter is to notify you that your neighbor(s), Timothy Tyndall have submitted a Joint Permit Application for waterfront improvements as shown on the enclosed drawings. Please review the drawings and should you have any questions or concerns, please do not hesitate to call.

If you do not object to the project or have no comment, we would ask that you return the enclosed Adjacent Property Owners Acknowledgement form via email to bob@waterfrontconsulting.net or the USPS to Waterfront Consulting, Inc.

If you object to the project, you may still return the Adjacent Property Owners Acknowledgement form to Waterfront Consulting, Inc. or by USPS to:

Virginia Marine Resources Commission
Habitat Management Division
380 Fenwick Road, Bldg. 96
Fort Monroe, VA 23651

We thank you in advance for your timely response and please feel free to call me with any questions. If we do not receive a response within 15 days from the date of this letter, it will be assumed that you have no objection to the project.

Kind Regards,

Robert E. Simon

Robert E. Simon, Vice President

CC: Timothy Tyndall , Applicant

Part 2 – Signatures (continued)

ADJACENT PROPERTY OWNER'S ACKNOWLEDGEMENT FORM

I (we), Robert J. van Divender, own land next to (across the water
(Print adjacent/nearby property owner's name)

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

I have reviewed the applicant's project drawings dated March 30, 2021
(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.



WATERFRONT CONSULTING, INC.
“Specializing in Permit Processing”

March 30, 2021

Donald K. Tomlins
208 Doubletree Drive
Venetia, PA 15367

RE: Proposed Bulkhead
Located at 3520 Sandfiddler Road, Virginia Beach, VA 23456

Dear Donald K. Tomlins

This letter is to notify you that your neighbor(s), Timothy Tyndall have submitted a Joint Permit Application for waterfront improvements as shown on the enclosed drawings. Please review the drawings and should you have any questions or concerns, please do not hesitate to call.

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Robert E. Simon, Vice President

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Part 2 – Signatures (continued)

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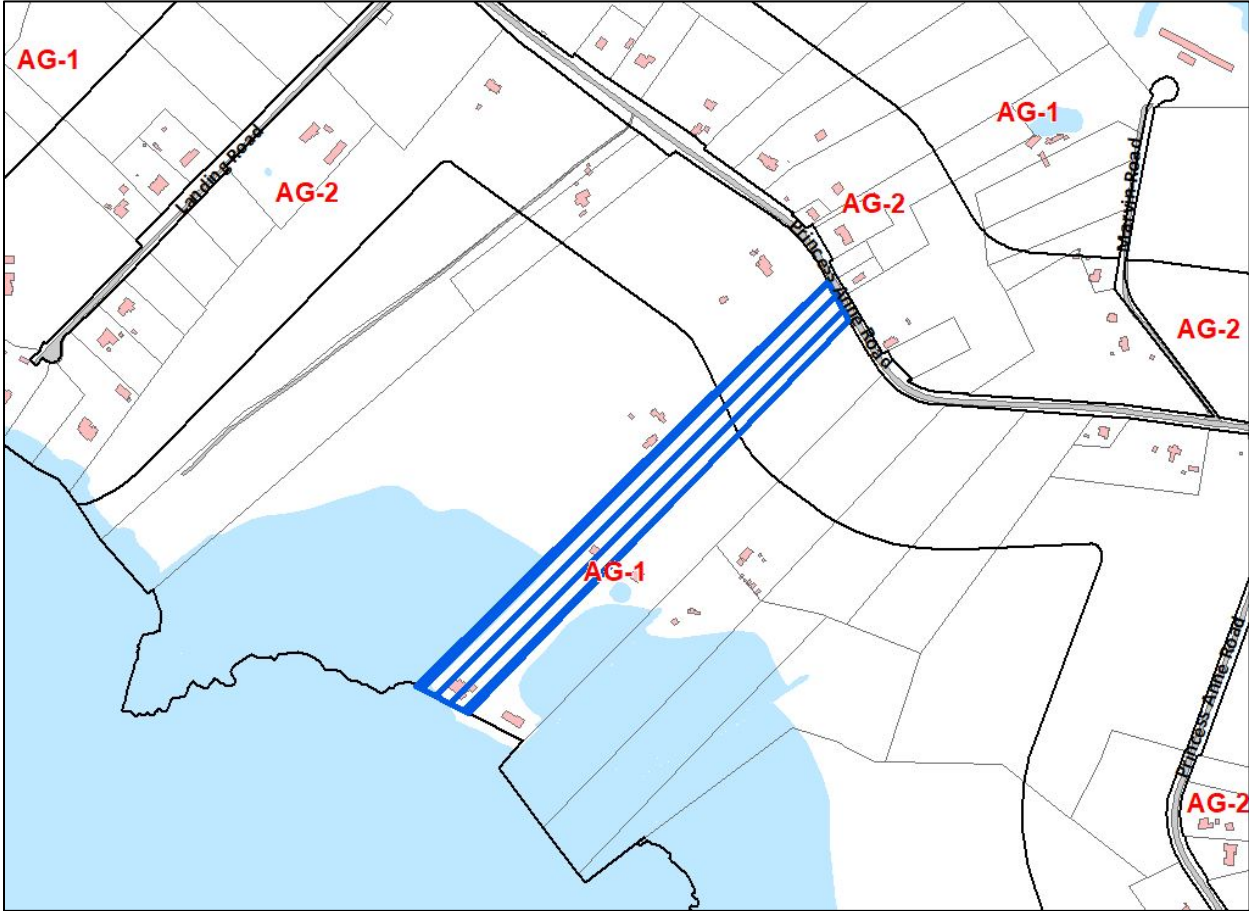
3. 2021-WTRA-00102

Edward Amdahl [Applicant/Owner]

To construct rip rap involving wetlands

337 Princess Anne Road
(GPIN 2317-36-0693)

Waterway – North Landing River
Subdivision – Pungo
Council District – Princess Anne



Disclosure Statement



The disclosures contained in this form are necessary to inform public officials who may vote on the application as to whether they have a conflict of interest under Virginia law. The completion and submission of this form is required for all applications that pertain to City real estate matters or to the development and/or use of property in the City of Virginia Beach requiring action by the City Council or a City board, commission or other body.

Applicant Disclosure

Applicant Name Edward Amdahl

Does the applicant have a representative? Yes No

- If **yes**, list the name of the representative.

Clark Design Group LLC

Is the applicant a corporation, partnership, firm, business, trust or an unincorporated business? Yes No

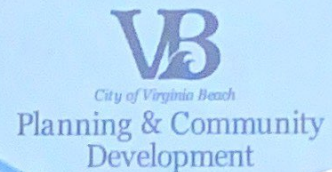
- If **yes**, list the names of all officers, directors, members, trustees, etc. below. (Attach a list if necessary)

- If **yes**, list the businesses that have a parent-subsiary¹ or affiliated business entity² relationship with the applicant. (Attach a list if necessary)

¹ "Parent-subsiary relationship" means "a relationship that exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation." See State and Local Government Conflict of Interests Act, VA. Code § 2.2-3101.

² "Affiliated business entity relationship" means "a relationship, other than parent-subsiary relationship, that exists when (i) one business entity has a controlling ownership interest in the other business entity, (ii) a controlling owner in one entity is also a controlling owner in the other entity, or (iii) there is shared management or control between the business entities. Factors that should be considered in determining the existence of an affiliated business entity relationship include that the same person or substantially the same person own or manage the two entities; there are common or commingled funds or assets; the business entities share the use of the same offices or employees or otherwise share activities, resources or personnel on a regular basis; or there is otherwise a close working relationship between the entities." See State and Local Government Conflict of Interests Act, Va. Code § 2.2-3101.

Disclosure Statement



Known Interest by Public Official or Employee

Does an **official or employee of the City of Virginia Beach** have an interest in the subject land or any proposed development contingent on the subject public action? **Yes** **No**

- If **yes**, what is the name of the official or employee and what is the nature of the interest?
-

Applicant Services Disclosure

1. Does the applicant have **any existing financing (mortgage, deeds of trust, cross-collateralization, etc)** or **are they considering any financing** in connection with the subject of the application or any business operating or to be operated on the property?

Yes **No**

- If **yes**, identify the financial institutions providing the service.
-

2. Does the applicant have a **real estate broker/agent/realtor** for current and anticipated future sales of the subject property?

Yes **No**

- If **yes**, identify the company and individual providing the service.
-

3. Does the applicant have services for **accounting and/or preparation of tax returns** provided in connection with the subject of the application or any business operating or to be operated on the property? **Yes** **No**

- If **yes**, identify the firm and individual providing the service.
-

4. Does the applicant have services from an **architect/landscape architect/land planner** provided in connection with the subject of the application or any business operating or to be operated on the property? **Yes** **No**

- If **yes**, identify the firm and individual providing the service.
-

5. Is there any other **pending or proposed purchaser** of the subject property? **Yes** **No**

- If **yes**, identify the purchaser and purchaser's service providers.
-

Disclosure Statement



6. Does the applicant have a **construction contractor** in connection with the subject of the application or any business operating or to be operated on the property? Yes No

- If **yes**, identify the company and individual providing the service.

7. Does the applicant have an **engineer/surveyor/agent** in connection with the subject of the application or any business operating or to be operated on the property? Yes No

- If **yes**, identify the firm and individual providing the service.

Engineer/Agent - Clark Design Group LLC

8. Is the applicant receiving **legal services** in connection with the subject of the application or any business operating or to be operated on the property? Yes No

- If **yes**, identify the firm and individual providing the service.

Applicant Signature

I certify that all of the information contained in this Disclosure Statement Form is complete, true, and accurate. I understand that, upon receipt of notification that the application has been scheduled for public hearing, I am responsible for updating the information provided herein two weeks prior to the meeting of Planning Commission, City Council, VBDA, CBPA, Wetlands Board or any public body or committee in connection with this application.

Applicant Signature

Mr. Edward P. Amclak

Print Name and Title

6 April 2021

Date

Is the applicant also the owner of the subject property? Yes No

- If **yes**, you do not need to fill out the owner disclosure statement.

FOR CITY USE ONLY/ All disclosures must be updated two (2) weeks prior to any Planning Commission and City Council meeting that pertains to the applications

<input type="checkbox"/>	No changes as of	Date	Signature	
			Print Name	

- ❖ 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 #

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"/> NWP # _____ <i>(For Nationwide Permits ONLY - No DEQ- VWP permit writer will be assigned)</i>	Regional Permit 17 (RP-17) <input type="checkbox"/>			
County or City in which the project is located: <u>VIRGINIA BEACH, VA</u>				
Waterway at project site: <u>NORTH LANDING RIVER</u>				
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
VMRC	SITE VISIT - WORRELL			
CVB	SITE VISIT - McKENNA			

Part 1 - General Information (continued)

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

EDWARD AMDAHL

337 PRINCESS ANNE ROAD
VIRGINIA BEACH, VA 23457

Home () _____

Work () _____

Fax () _____

Cell (808) 542-9654

e-mail amdahlep@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):

CLARK DESIGN GROUP LLC

824 WEST 21st STREET
NORFOLK, VA 23517

Contact Information:

Home () _____

Work (757) 622-3900

Fax () _____

Cell () _____

e-mail DAVE@CLARKDES.COM

State Corporation Commission Name and ID Number (if applicable) S8555965

*** 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.

THE PROPOSED PROJECT INVOLVES:

-REMOVING THE EXISTING 4'x120' TIMBER PIER TO BE REPLACED WITH A 5'x120' OPEN PILE TIMBER PIER WITH A 16'x24' L-HEAD, BOATLIFT AND FINGER PIER.

-THE CONSTRUCTION OF AN 8'x24' TIMBER WHARF

-THE PLACEMENT OF 670 LINEAR FEET OF QUARRY STONE RIP RAP REVETMENT

WETLANDS IMPACTS:

-PROPOSED RIP RAP WILL BE PLACED WITHIN THE TIDAL RANGE OF -1.3' - +1.5' NAVD 88.

-APPROXIMATELY 2550sf OF NON-VEGETATED WETLANDS WILL BE CONVERTED TO NON-VEGETATED ROCK HABITAT.

-APPROXIMATELY 100sf OF NON-VEGETATED WETLANDS WILL BE CONVERTED TO UPLAND IN THE WASHOUT AREA BETWEEN STAKES A-F, J-K IN THE FIELD. 100sf IMPACTS TO BE COMPENSTATED VIA IN-LIEU FEE.

-(4-6) CY OF FILL WILL BE USED TO REPAIR THE RECENT WASH OUT AREAS.

TREE IMPACTS: THE APPLICANT WOULD LIKE TO LEAVE THE PROPERTY AS WOODED AS POSSIBLE. THE ONLY TREES TO BE IMPACTED WILL BE TO STABILIZE THE WASH OUT AREA AND TO CONSTRUCT THE WHARF. APPROXIMATELY 5-8 TREES WILL BE IMPACTED.

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

THE VIRGINIAN PILOT
150 WEST BRAMBLETON AVENUE
NORFOLK, VA 23510

(757) 622-1455 _____

7. Give the following project location information:

Street Address (911 address if available) 337 PRINCESS ANNE ROAD _____

Lot/Block/Parcel# MORSES POINT 10.80 ACRES _____

Subdivision _____

City / County VIRGINIA BEACH, VA _____ ZIP Code 23457 _____

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

36.340343 _____ / - 76.010087 _____ (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.*

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: EROSION PREVENTION

SECONDARY PURPOSE: WATER ACCESS

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 PROPOSED RIP RAP WILL BE PLACED WITHIN THE TIDAL RANGE. SILT FENCING WILL BE USED TO PREVENT RUNOFF. THE NON-VEGETATED IMPACTS WILL BE IN RECENT WASH OUT AREAS. FILL WILL BE MINIMAL.

LIVING SHORELINE IS NOT A FEASIBLE ALTERNATIVE DUE TO:

- THE LOT IS HEAVILY WOODED, TREE CANOPY WILL PREVENT GROWTH OF A LIVING SHORELINE. THE APPLICANT WOULD LIKE THE TREE REMOVAL TO BE AT A MINIMUM.

- THE PROXIMITY OF THE HOUSE AND SEPIC FIELD

- THE AVAILABLE LOCATION FOR THE PROJECT IS BETWEEN THE DRIVEWAY AND A DREDGED CANAL LEAVING NO ROOM FOR THE SLOPE REQUIRED. PROPOSED RIP RAP WILL BE CUT INTO THE EXISTING BANK FOR MOST OF THE PROJECT.

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.): \$ 175,000

Approximate cost of that portion of the project that is channelward of mean low water:
\$ 50,000

13. Completion date of the proposed work: SUMMER - 2021

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.

WENDY LEWIS
2016 KITTRIDGE DRIVE
VIRGINIA BEACH, VA 23456

LAWRENCE LEONARDSON
345 PRINCESS ANNE ROAD
VIRGINIA BEACH, VA 23457

ALL ADJACENT PROPERTY OWNERS HAVE BEEN NOTIFIED OF THE PROPOSED PROJECT.

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.

EDWARD AMDAHL

Applicant's Legal Name (printed/typed)

(Use if more than one applicant)

★

Ed A
Applicant's Signature

(Use if more than one applicant)

★

24 March 2021
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)

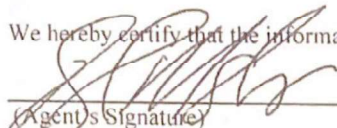
2. Applicants having agents (if applicable)

CERTIFICATION OF AUTHORIZATION

I (we), EDWARD AMDAHL, hereby certify that I (we) have authorized CLARK DESIGN GROUP LLC
(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.

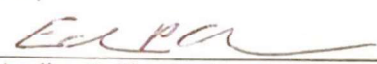

(Agent's Signature)

(Use if more than one agent)

03 / 15 / 2021

(Date)

★


(Applicant's Signature)

(Use if more than one applicant)

★

03/24/2021

(Date)

3. Applicant's having contractors (if applicable)

CONTRACTOR ACKNOWLEDGEMENT

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

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

**ENGINEER'S INSPECTION STATEMENT
FOR
WATERFRONT CONSTRUCTION/COASTAL PRIMARY SAND
DUNE PROJECTS
REVISED 12-11-02**

PROJECT LOCATION: 337 PRINCESS ANNE ROAD

APPLICANT'S NAME: EDWARD AMDAHL


APPLICANT'S ADDRESS: 337 PRINCESS ANNE ROAD

VIRGINIA BEACH, VA 23457

ENGINEER OF RECORD: BRAD MARTIN P.E.

AT THE COMPLETION OF A WATERFRONT CONSTRUCTION/COASTAL PRIMARY SAND DUNE PROJECT IT IS REQUIRED THAT A CERTIFICATION BY THE ENGINEER OF RECORD STATING THAT, THEY HAVE INSPECTED THE REFERENCED PROJECT SITE AND TO THE BEST OF THEIR KNOWLEDGE, THE WATERFRONT/COASTAL PRIMARY SAND DUNE PROJECT HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS THEY PREPARED. SUCH CERTIFICATION SHALL BE SEALED BY THE ENGINEER OF RECORD.

THIS FORM MUST BE COMPLETED AND RETURNED TO THE DEPARTMENT OF PLANNING, WATERFRONT OPERATIONS OFFICE WITH ALL APPLICATIONS FOR WATERFRONT CONSTRUCTION/COASTAL PRIMARY SAND DUNE PROJECTS AT THE TIME OF SUBMITTAL.



SIGNATURE OF ENGINEER OF RECORD
CERTIFYING THE ABOVE

03 / 15 / 2021

DATE

BRAD MARTIN P.E.

TYPE OR PRINT NAME OF ENGINEER OF RECORD

★ 

SIGNATURE OF APPLICANT

★ 03/24/2021

DATE

SIGNATURE OF COASTAL ZONE ADMINISTRATOR

DATE

ANY ALTERATION OF THIS FORM OR IT'S ENDORSEMENTS WITHOUT THE EXPRESS CONSENT FROM THE ORIGINATOR SHALL INVALIDATE THIS INSTRUMENT.

APPLICATION NO. _____
(TO BE COMPLETED BY STAFF)

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.

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.**

THE PROPOSED PROJECT INVOLVES:

- REMOVING THE EXISTING 4'x120' TIMBER PIER TO BE REPLACED WITH A 5'x120' OPEN PILE TIMBER PIER WITH A 16'x24' L-HEAD, BOATLIFT AND FINGER PIER.
- THE CONSTRUCTION OF AN 8'x24' TIMBER WHARF
- THE PLACEMENT OF 670 LINEAR FEET OF QUARRY STONE RIP RAP REVETMENT

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? 136 feet.

Channelward of Mean High Water? 132 feet.

Channelward of Mean Low Water? 125 feet.

What is the area of the piers and platforms that will be constructed over

Tidal non-vegetated wetlands 90 square feet.

Tidal vegetated wetlands 0 square feet.

Submerged lands 1097 square feet.

What is the total size of any and all L- or T-head platforms? 304 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](#).

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:

THE PROPOSED PROJECT INVOLVES THE PLACEMENT OF 670 LINEAR FEET OF QUARRY STONE RIP RAP REVETMENT AS NEEDED FOR EROSION PREVENTION.

MINIMAL FILL WILL BE USED FOR THIS PROJECT.

WETLANDS IMPACTS:

- PROPOSED RIP RAP WILL BE PLACED WITHIN THE TIDAL RANGE OF -1.3' - +1.5' NAVD 88.
- APPROXIMATELY 2550sf OF NON-VEGETATED WETLANDS WILL BE CONVERTED TO NON-VEGETATED ROCK HABITAT.
- APPROXIMATELY 100sf OF NON-VEGETATED WETLANDS WILL BE CONVERTED TO UPLAND IN THE WASHOUT AREA BETWEEN STAKES A-F, J-K IN THE FIELD. 100sf IMPACTS TO BE COMPENSTATED VIA IN-LIEU FEE.
- (4-6) CY OF FILL WILL BE USED TO REPAIR THE RECENT WASH OUT AREAS.

2. What is the maximum encroachment channelward of mean high water? 4 feet.
Channelward of mean low water? 0 feet.
Channelward of the back edge of the dune or beach? N/A feet.
3. Please calculate the square footage of encroachment over:
 - Vegetated wetlands 0 square feet
 - Non-vegetated wetlands 2650 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.

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.

RIP RAP REVETMENT: HEAVY DUTY FILTER CLOTH, UPLAND FILL, CLASS A1 QUARRY STONE
PIER: TIMBER CONSTRUCTION

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

Core (inner layer) material _____ 25-75 pounds per stone Class size A1
Armor (outer layer) material _____ 25-75 pounds per stone Class size A1

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

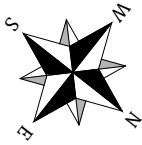
- Area to be covered _____ square feet channelward of mean low water
 _____ square feet landward of mean low water
 _____ cubic yards channelward of mean high water
 _____ cubic yards landward of mean high water

- 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:](http://www.vims.edu/about/search/index.php?q=planting+guidelines)



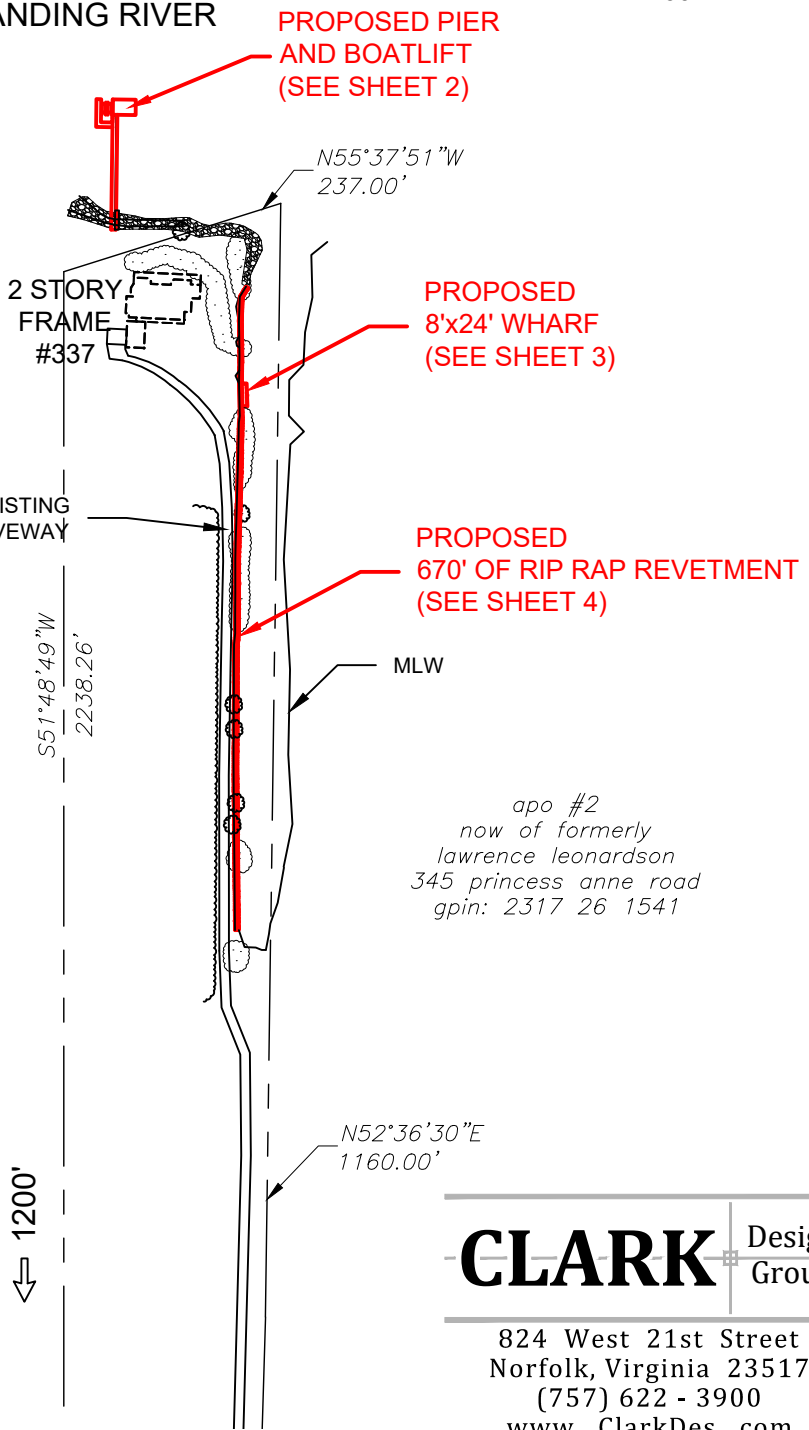
1" = 200'



NORTH LANDING RIVER

This site plan is based on plat recorded in (City of Virginia Beach) M.B. 102, Pg. 38 and was prepared without the benefit of a title search.

WETLANDS IMPACTS BETWEEN STAKES A-F	
NON-VEGETATED =	100 SF
VEGETATED =	0 SF
TOTAL =	100 SF



apo #1
now of formerly
wendy lewis
333 princess anne road
gpin: 2317 36 0391

apo #2
now of formerly
lawrence leonardson
345 princess anne road
gpin: 2317 26 1541



CLARK Design Group

824 West 21st Street
Norfolk, Virginia 23517
(757) 622 - 3900
www . ClarkDes . com

APO'S
1. LEWIS
2. LEONARDSON

PROJECT LOCATION: NORTH LANDING RIVER

EDWARD & CLAIRE AMDAHL
337 PRINCESS ANNE ROAD
VIRGINIA BEACH, VA 23457

**PROPOSED RIP RAP & PIER
PURPOSE: EROSION CONTROL**
DATUM: M.L.W. -1.3
DATE: 04 / 01 / 2021
SHEET # 01 OF 10



APPROXIMATELY 6,250'
MLW TO MLW

PIER EXTENDS 125'
SEAWARD OF MLW (2.0%)

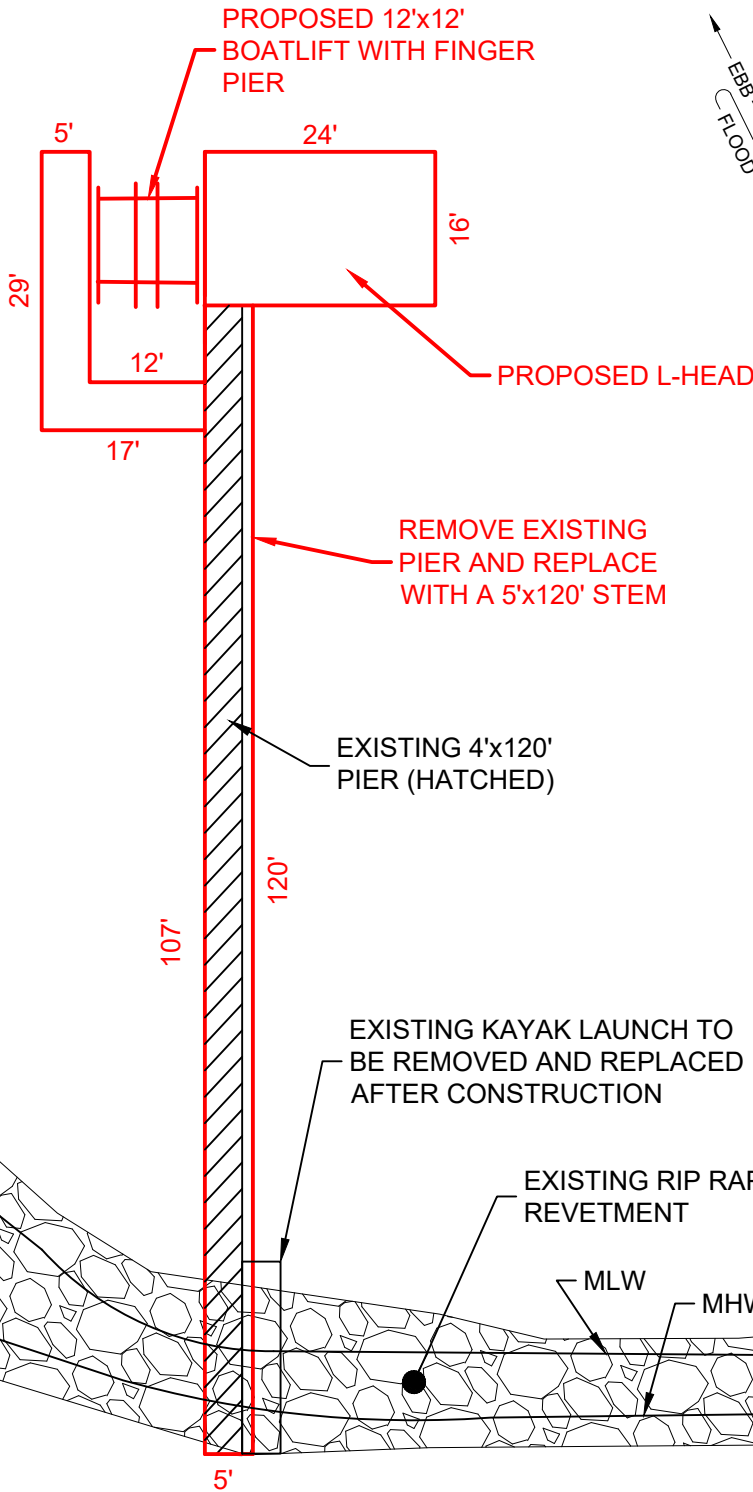
NORTH LANDING RIVER

SITE ACCESS BY
WATER - MATERIALS
DELIVERED AND
STORED BY BARGE



CLARK Design
Group

824 West 21st Street
Norfolk, Virginia 23517
(757) 622 - 3900
www . ClarkDes . com



APO'S
1. LEWIS
2. LEONARDSON

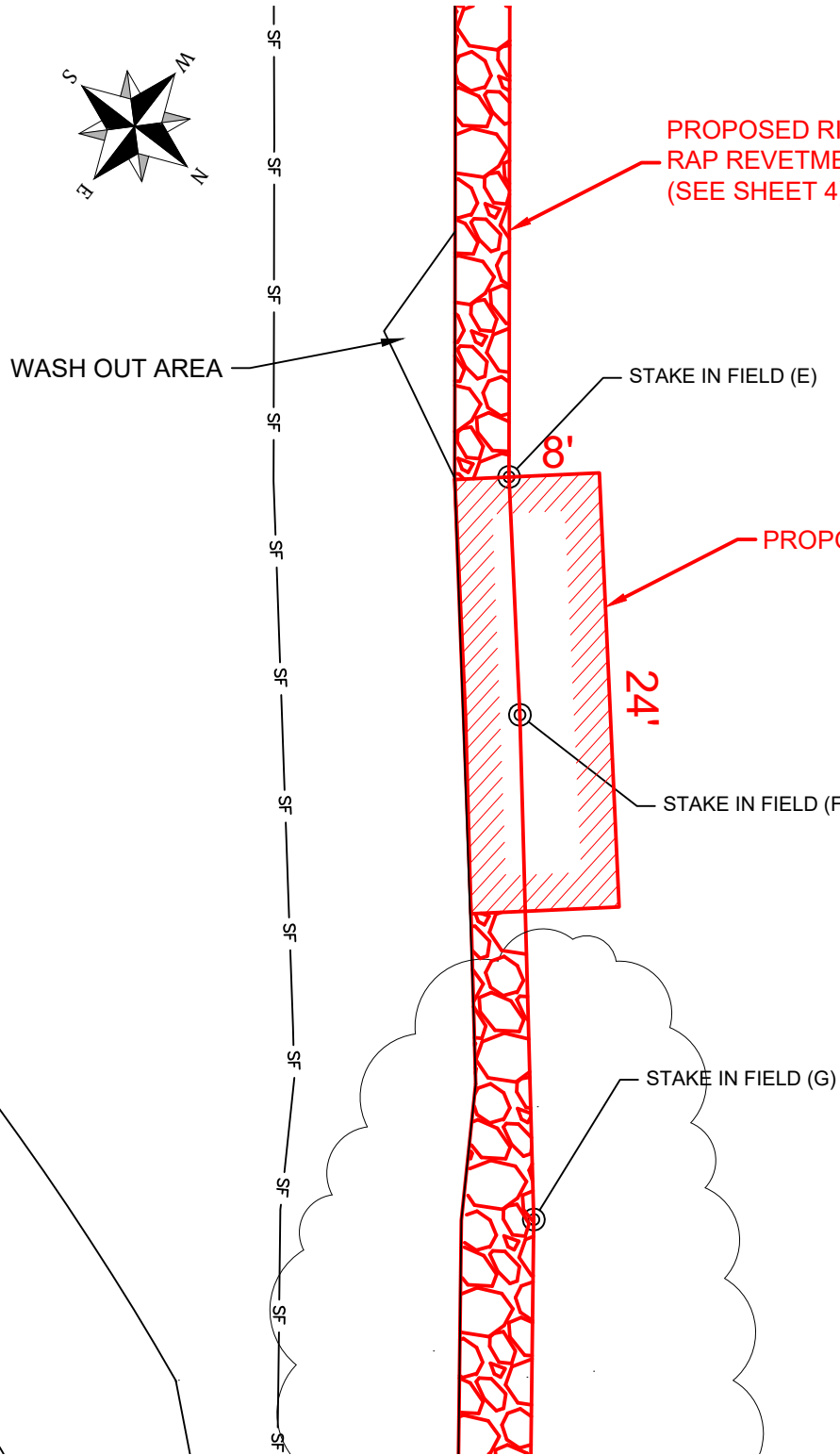
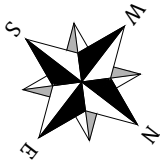
PROJECT LOCATION: NORTH LANDING RIVER

EDWARD & CLAIRE AMDAHL
337 PRINCESS ANNE ROAD
VIRGINIA BEACH, VA 23457

PROPOSED RIP RAP & PIER
PURPOSE: EROSION CONTROL
DATUM: M.L.W. -1.3
DATE: 04 / 01 / 2021
SHEET # 02 OF 10



1" = 10'



SITE ACCESS BY
WATER - MATERIALS
DELIVERED AND
STORED BY BARGE



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Norfolk, Virginia 23517
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APO'S
1. LEWIS
2. LEONARDSON

PROJECT LOCATION: NORTH LANDING RIVER

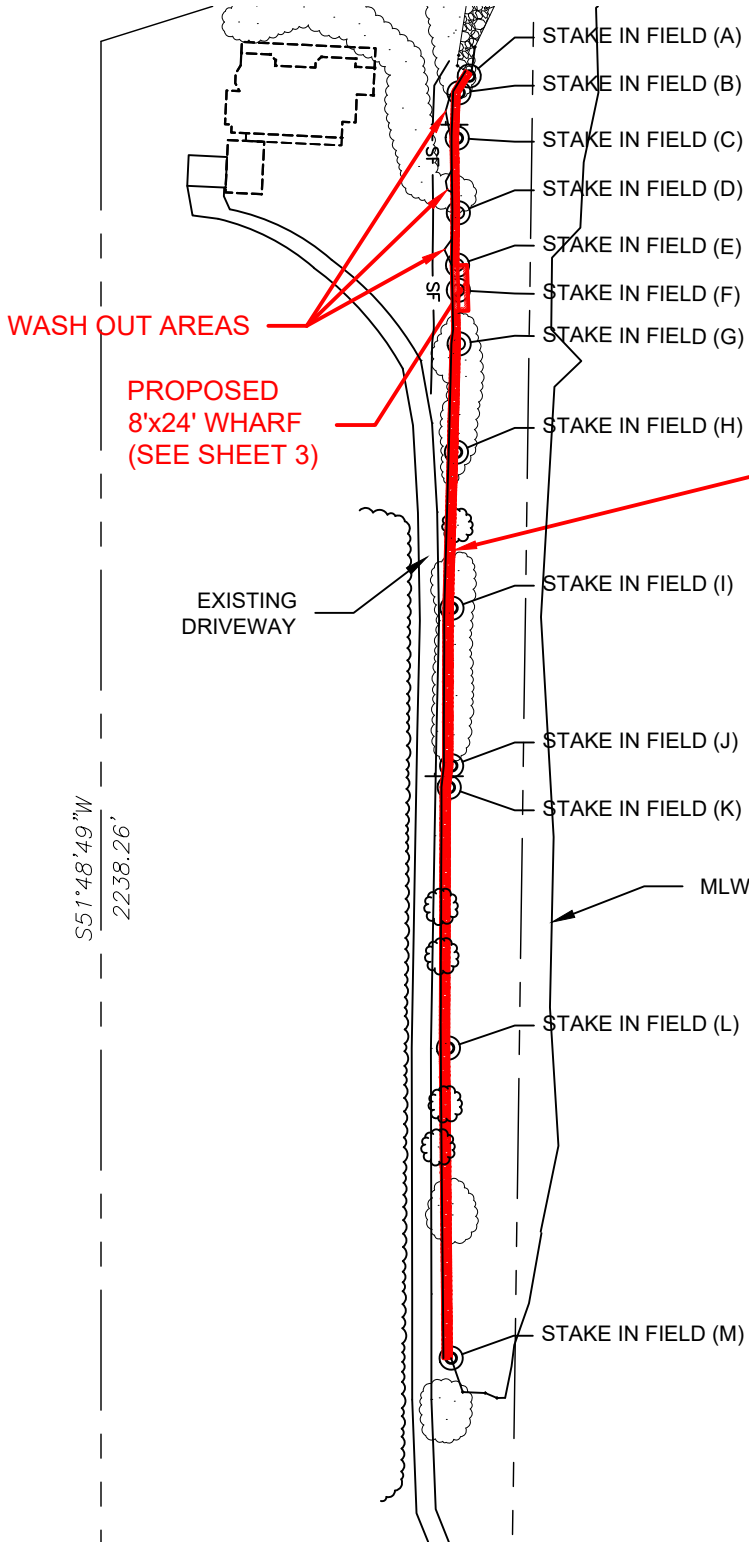
EDWARD & CLAIRE AMDAHL
337 PRINCESS ANNE ROAD
VIRGINIA BEACH, VA 23457

PROPOSED RIP RAP & PIER
PURPOSE: EROSION CONTROL
DATUM: M.L.W. -1.3
DATE: 04 / 01 / 2021
SHEET # 03 OF 10



1" = 100'

WETLANDS IMPACTS BETWEEN STAKES A-F	
NON-VEGETATED =	100 SF
VEGETATED =	0 SF
TOTAL =	100 SF



CLARK Design Group

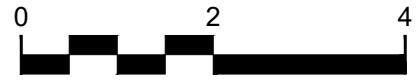
824 West 21st Street
 Norfolk, Virginia 23517
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APO'S
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 2. LEONARDSON

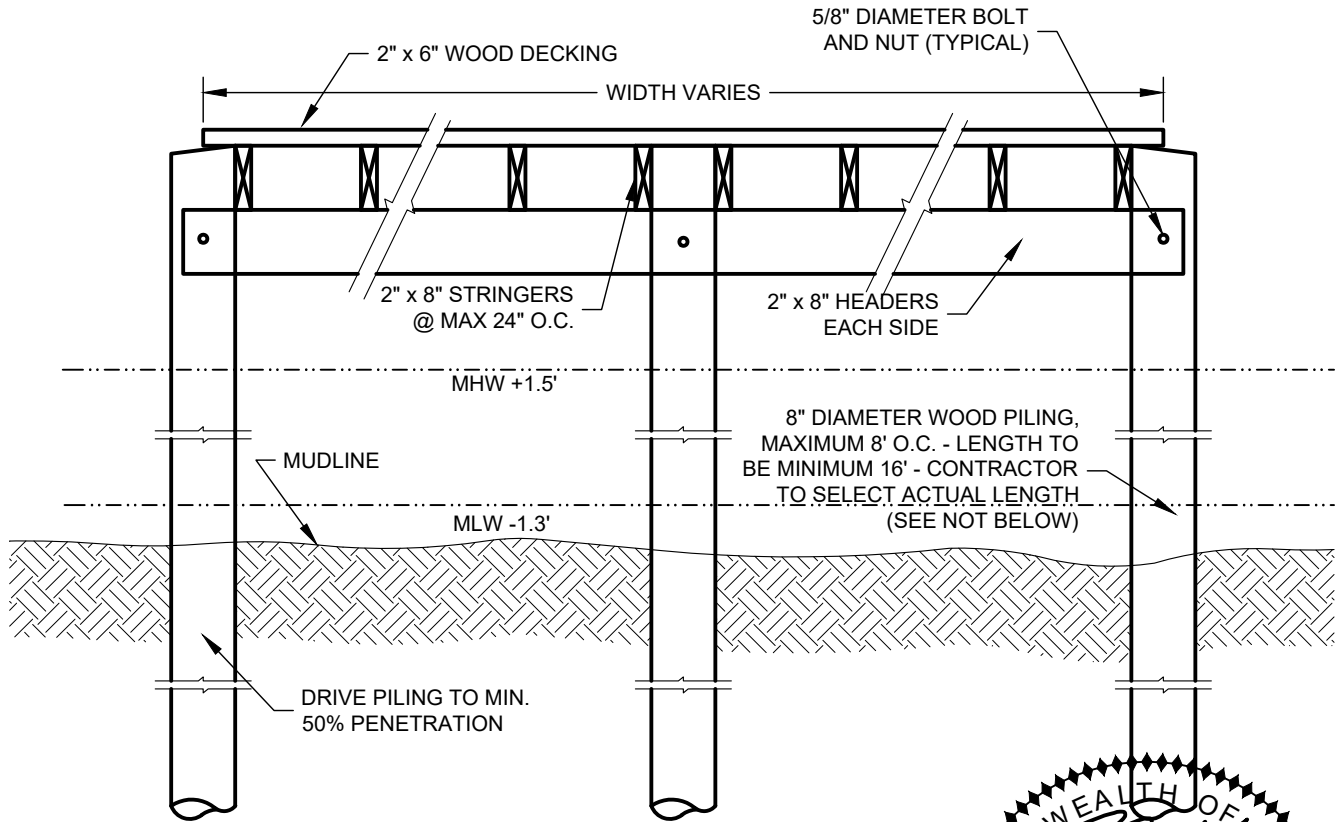
PROJECT LOCATION: NORTH LANDING RIVER

EDWARD & CLAIRE AMDAHL
 337 PRINCESS ANNE ROAD
 VIRGINIA BEACH, VA 23457

PROPOSED RIP RAP & PIER
 PURPOSE: EROSION CONTROL
 DATUM: M.L.W. -1.3
 DATE: 04 / 01 / 2021
 SHEET # 04 OF 10



PROPOSED PIER



NOTES

1. ALL TIMBER MATERIAL FOR USE IN THIS MARINE ENVIRONMENT SHALL BE PRESERVATIVE TREATED IN ACCORDANCE WITH THE AWPA.
2. ALL HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153.
3. DRAWINGS ARE FOR PERMIT PURPOSES ONLY, AND DO NOT CONSTITUTE FULL DESIGN DRAWINGS.
4. NO HYDROGRAPHIC SURVEYS OR SOIL BORINGS HAVE BEEN TAKEN TO CONFIRM SUBSURFACE SOIL CONDITIONS (FOR PILE LENGTH DETERMINATION).
5. PIER LAYOUT IS BASED ON VISUAL ON-SITE INSPECTION.
6. ABNORMAL SITE CONDITIONS NOT READILY APPARENT HAVE NOT BEEN TAKEN INTO ACCOUNT, AND MAY REQUIRE MODIFICATIONS TO THE MINIMUM PILE LENGTHS SHOWN.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DEPTH OF WATER AND SUBSURFACE CONDITIONS AND TO SELECT PILE LENGTHS ADEQUATE FOR THE STRUCTURE.



CLARK Design Group

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 2. LEONARDSON

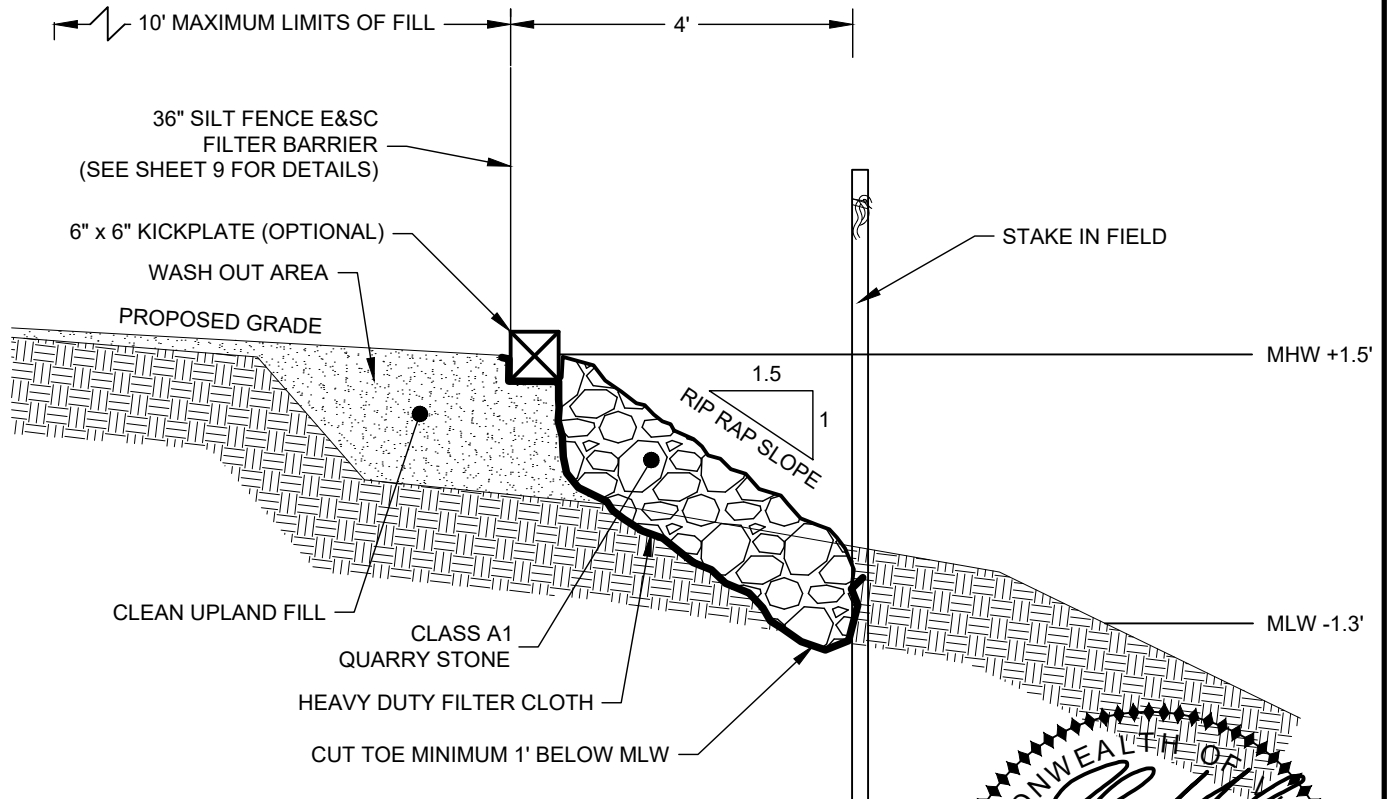
PROJECT LOCATION: NORTH LANDING RIVER

EDWARD & CLAIRE AMDAHL
 337 PRINCESS ANNE ROAD
 VIRGINIA BEACH, VA 23457

PROPOSED RIP RAP & PIER
 PURPOSE: EROSION CONTROL
 DATUM: M.L.W. -1.3
 DATE: 04 / 01 / 2021
 SHEET # 05 OF 10



PROPOSED RIP RAP WASH OUT AREAS BETWEEN STAKES A-F



NOTES:

1. DRAWINGS ARE FOR PERMIT PURPOSES ONLY, AND DO NOT CONSTITUTE FULL DESIGN DRAWINGS.
2. NO SOIL BORINGS HAVE BEEN TAKEN TO CONFIRM SUBSURFACE SOIL CONDITIONS.
3. RIPRAP LAYOUT IS BASED ON VISUAL ON-SITE INSPECTION.
4. ABNORMAL SITE CONDITIONS NOT READILY APPARENT HAVE NOT BEEN TAKEN INTO ACCOUNT.
5. CONTRACTOR SHALL FIELD VERIFY BOTTOM CONDITIONS TO ASSURE THAT FIRM MATERIAL IS IN PLACE.
6. THE ENGINEER IS TO BE NOTIFIED OF ANY ABNORMAL SOIL CONDITIONS.
7. UPLAND FILL, AS SHOWN ABOVE, WILL BE USED TO PROVIDE A GRADE TRANSITION FROM ELEVATION AT TOP OF NEW RIPRAP TO EXISTING LANDWARD ELEVATION.



CLARK Design Group

824 West 21st Street
Norfolk, Virginia 23517
(757) 622 - 3900
www . ClarkDes . com

APO'S
1. LEWIS
2. LEONARDSON

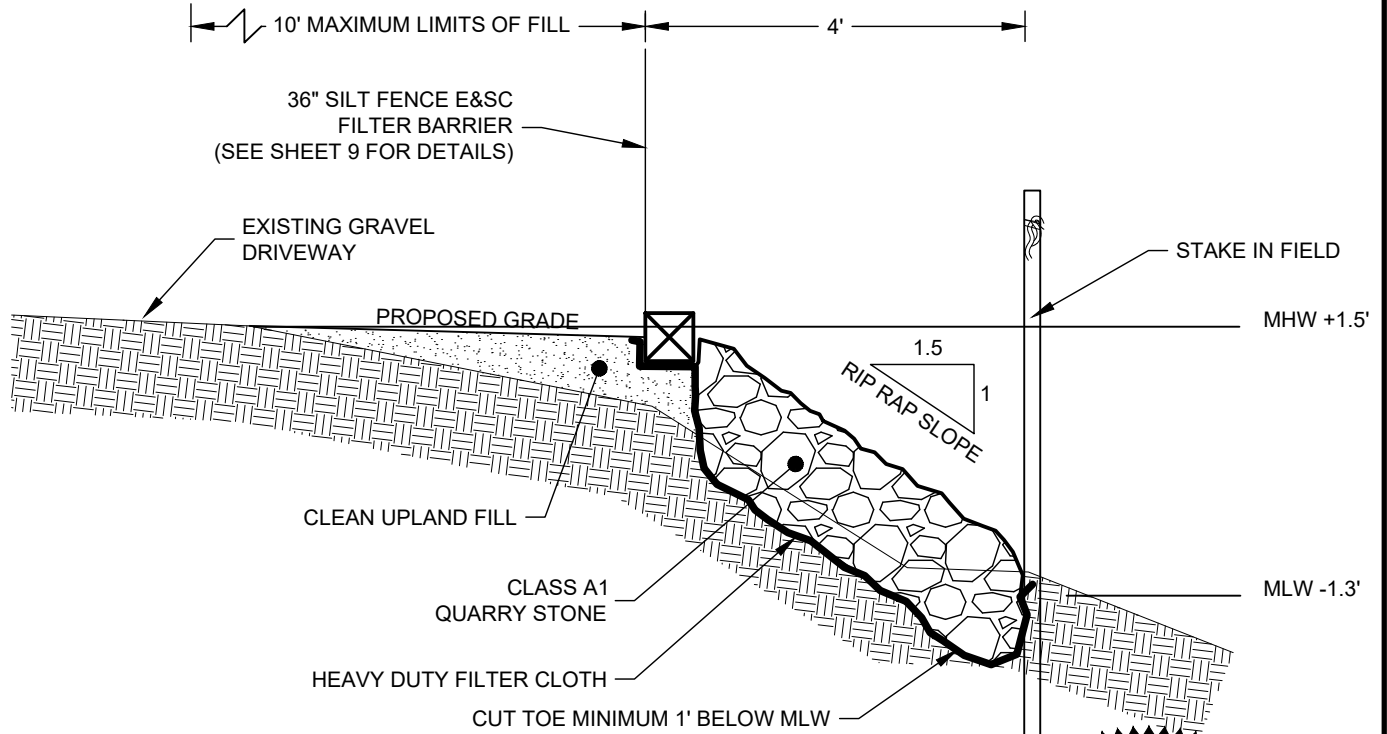
PROJECT LOCATION: NORTH LANDING RIVER

EDWARD & CLAIRE AMDAHL
337 PRINCESS ANNE ROAD
VIRGINIA BEACH, VA 23457

PROPOSED RIP RAP & PIER
PURPOSE: EROSION CONTROL
DATUM: M.L.W. -1.3
DATE: 04 / 01 / 2021
SHEET # 06 OF 10



PROPOSED RIP RAP STAKE J - K



NOTES:

1. DRAWINGS ARE FOR PERMIT PURPOSES ONLY, AND DO NOT CONSTITUTE FULL DESIGN DRAWINGS.
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3. RIPRAP LAYOUT IS BASED ON VISUAL ON-SITE INSPECTION.
4. ABNORMAL SITE CONDITIONS NOT READILY APPARENT HAVE NOT BEEN TAKEN INTO ACCOUNT.
5. CONTRACTOR SHALL FIELD VERIFY BOTTOM CONDITIONS TO ASSURE THAT FIRM MATERIAL IS IN PLACE.
6. THE ENGINEER IS TO BE NOTIFIED OF ANY ABNORMAL SOIL CONDITIONS.
7. UPLAND FILL, AS SHOWN ABOVE, WILL BE USED TO PROVIDE A GRADE TRANSITION FROM ELEVATION AT TOP OF NEW RIPRAP TO EXISTING LANDWARD ELEVATION.



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APO'S
1. LEWIS
2. LEONARDSON

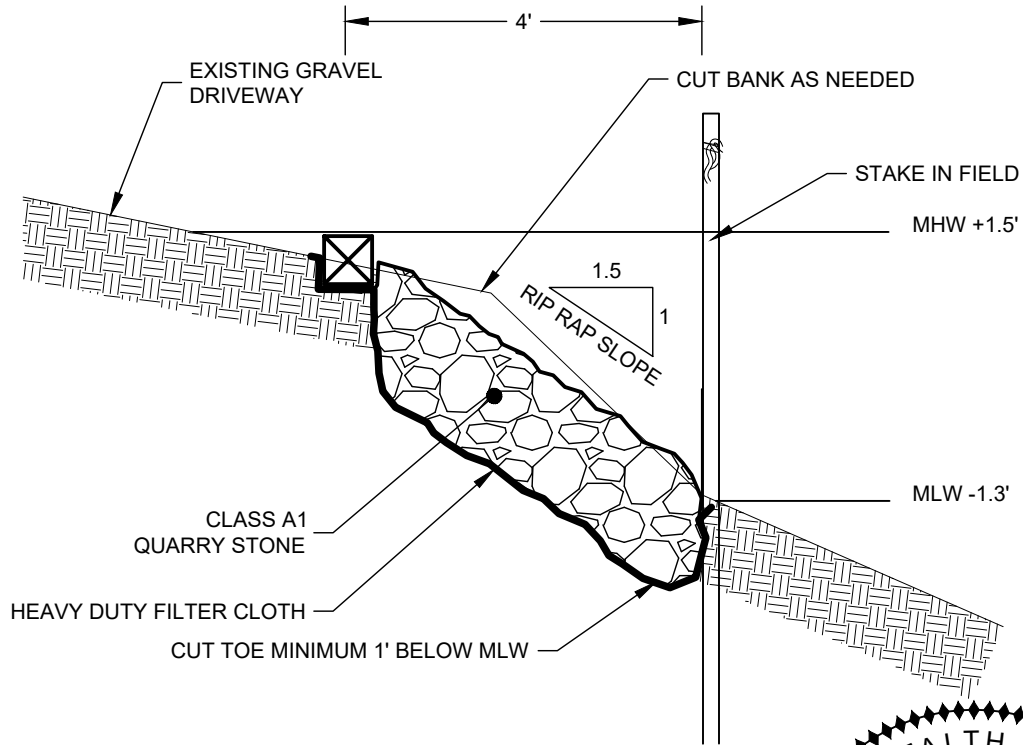
PROJECT LOCATION: NORTH LANDING RIVER

EDWARD & CLAIRE AMDAHL
337 PRINCESS ANNE ROAD
VIRGINIA BEACH, VA 23457

PROPOSED RIP RAP & PIER
PURPOSE: EROSION CONTROL
DATUM: M.L.W. -1.3
DATE: 04 / 01 / 2021
SHEET # 07 OF 10



PROPOSED RIP RAP STAKES F-J, K-M



NOTES:

1. DRAWINGS ARE FOR PERMIT PURPOSES ONLY, AND DO NOT CONSTITUTE FULL DESIGN DRAWINGS.
2. NO SOIL BORINGS HAVE BEEN TAKEN TO CONFIRM SUBSURFACE SOIL CONDITIONS.
3. RIPRAP LAYOUT IS BASED ON VISUAL ON-SITE INSPECTION.
4. ABNORMAL SITE CONDITIONS NOT READILY APPARENT HAVE NOT BEEN TAKEN INTO ACCOUNT.
5. CONTRACTOR SHALL FIELD VERIFY BOTTOM CONDITIONS TO ASSURE THAT FIRM MATERIAL IS IN PLACE.
6. THE ENGINEER IS TO BE NOTIFIED OF ANY ABNORMAL SOIL CONDITIONS.



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Norfolk, Virginia 23517
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www . ClarkDes . com

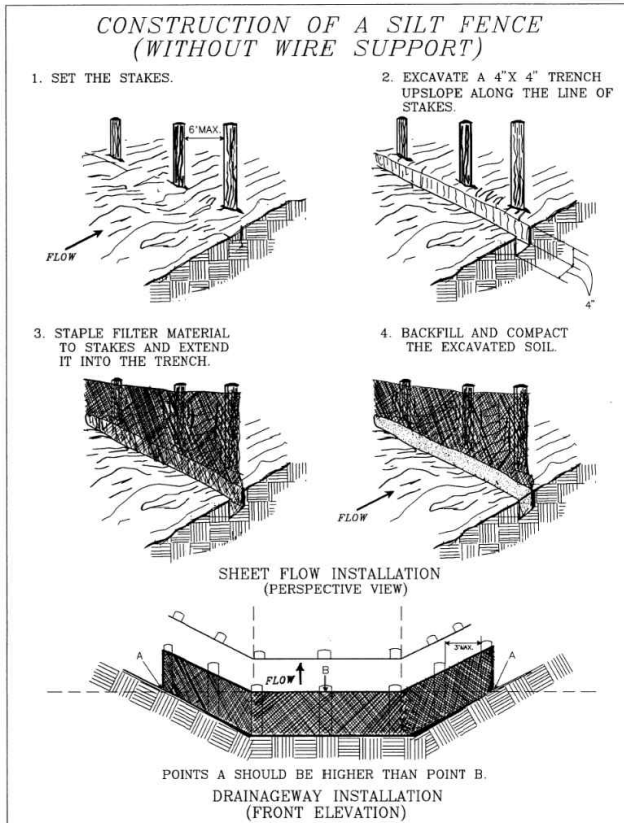
APO'S
1. LEWIS
2. LEONARDSON

PROJECT LOCATION: NORTH LANDING RIVER

EDWARD & CLAIRE AMDAHL
337 PRINCESS ANNE ROAD
VIRGINIA BEACH, VA 23457

PROPOSED RIP RAP & PIER
PURPOSE: EROSION CONTROL
DATUM: M.L.W. -1.3
DATE: 04 / 01 / 2021
SHEET # 08 OF 10

SILT FENCE FABRIC SHALL BE 36" TALL AND STAKED WITH 2" X 2" HARDWOOD STAKES, 6 FEET ON CENTERS
 1992 3.05



Source: Adapted from Installation of Straw and Fabric Filter Barriers for Sediment Control, Sherwood and Wyant

Plate 3.05-2

III - 25



THE 36" WIRE REINFORCED SILT FENCE (E&SC) SHALL BE PROPERLY INSTALLED (STAKED AND TRENCHED) AT THE LOCATION(S) SHOWN ON THESE PLANS. SUCH FENCE SHALL BE INSTALLED PRIOR TO BACKFILLING AT THE CONCLUSION OF EACH WORKDAY, AND IT SHALL BE MAINTAINED UNTIL A PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED OVER THE ADJACENT AREAS THAT HAVE BEEN DENUED / DAMAGED BY THE CONSTRUCTION OPERATIONS.

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 Norfolk, Virginia 23517
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APO'S
 1. LEWIS
 2. LEONARDSON

PROJECT LOCATION: NORTH LANDING RIVER

EDWARD & CLAIRE AMDAHL
 337 PRINCESS ANNE ROAD
 VIRGINIA BEACH, VA 23457

PROPOSED RIP RAP & PIER
 PURPOSE: EROSION CONTROL
 DATUM: M.L.W. -1.3
 DATE: 04 / 01 / 2021
 SHEET # 09 OF 10

SEQUENCE OF CONSTRUCTION

1. SCHEDULE ON-SITE PRE-CONSTRUCTION MEETING WITH COASTAL ZONE INSPECTOR.
2. MOBILIZE EQUIPMENT TO SITE, MARK ACCESS WAY WITH SAFETY FENCE.
3. CONSTRUCT NEW PIER.
4. INSTALL NEW RIP RAP REVETMENT.
5. INSTALL NEW WHARF.
6. DEMOBILIZE EQUIPMENT FROM SITE WHILE ADDING TOP SOIL AND SEED TO ALL AREAS DENUDED / DAMAGED BY CONSTRUCTION OPERATIONS.
7. NOTIFY ENGINEER-OF-RECORD TO CONDUCT FINAL INSPECTION OF PROJECT.



VICINITY MAP

1" = 1,500'



CLARK Design Group

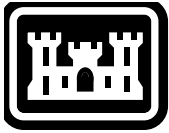
824 West 21st Street
 Norfolk, Virginia 23517
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 1. LEWIS
 2. LEONARDSON

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 PURPOSE: EROSION CONTROL
 DATUM: M.L.W. -1.3
 DATE: 04 / 01 / 2021
 SHEET # 10 OF 10



U.S. Army Corps
Of Engineers
Norfolk District

REGIONAL PERMIT 17 CHECKLIST

Expires: September 5, 2023

Please review the 18-RP-17 enclosure before completing this form and note 18-RP-17 can only be used for proposed PRIVATE USE structure(s) that comply with the terms and conditions of 18-RP-17. Copies can be obtained online at <http://www.nao.usace.army.mil/Missions/Regulatory/RBregional/>.

- YES NO (1) Has the permittee reviewed the 18-RP-17 enclosure and verified that the proposed structure(s) is in compliance with all the terms, conditions, and limitations of 18-RP-17?
- YES NO (2) Does the proposed structure(s) 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 (3) Does the proposed structure(s) extend no more than 300 feet from MHW or OHW (including all channelward wetlands)?
- YES NO N/A (4) Does the proposed structure(s) attach to the upland at a point landward of MHW or OHW (including all channelward wetlands)?
- YES NO N/A (5) If the proposed structure(s) crosses wetland vegetation, is it 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 (6) Does the proposed structure(s) include no more than two (2) boatlifts and no more than two (2) boat slips?
- YES NO N/A (7) Is the open-sided roof structure designed to shelter a boat \leq 700 square feet and/or is the open sided roof structure or gazebo structure designed to shelter a pier \leq 400 square feet?
- YES NO N/A (8) Are all piles associated with the proposed structure(s) non-steel, less than or equal to 12" in diameter, and will less than or equal to 25 piles be installed channelward of MHW?
* >25 PILES
- YES NO N/A (9) Is all work occurring behind cofferdams, turbidity curtains, or other methods to control turbidity being utilized when operationally feasible and federally listed threatened or endangered species may be present?
- YES NO N/A (10) If the proposed structure(s) is to be located within an anadromous fish use area, the prospective permittee will 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 is less 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 is less than 384 feet between the most channelward pile and MLW on the opposite shoreline.
- YES NO (11) 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?
- YES NO (12) Has the permittee ensured the construction and/or installation of the proposed structure(s) will not affect federally listed threatened or endangered species or designated critical habitat?
- YES NO (13) Will the proposed structure be located outside of Broad Creek in Middlesex County, Fisherman's Cove in Norfolk, or the Salt Ponds in Hampton?
- YES NO (14) Will the proposed structure(s) be located outside of the waterways containing a Federal Navigation Project listed in Permit Specific Condition 12 of 18-RP-17 and/or will all portions of the proposed structure(s) be located more than 85 feet from the Federal Navigation Project?

- YES NO (15) Will the proposed structure(s) be located outside a USACE Navigation and Flood Risk Management project area?
- YES NO (16) Will the proposed structure(s) be located outside of any Designated Trout Waters?
- YES NO N/A (17) If the proposed structure(s) includes flotation units, will the units be made of materials that will not become waterlogged or sink if punctured?
- YES NO N/A (18) If the proposed structure(s) includes flotation units, will the floating sections be braced so they will not rest on the bottom during periods of low water?
- YES NO (19) Is the proposed structure(s) made of suitable materials and practical design so as to reasonably ensure a safe and sound structure?
- YES NO (20) Will the proposed structure(s) be located on the property in accordance with the local zoning requirements?
- YES NO N/A (21) If the proposed structure(s) includes a device used for shellfish gardening, will the device be attached directly to a pier and limited to a total of 160 square feet?
- YES NO N/A (22) If the proposed structure(s) includes a device used for shellfish gardening, does the permittee recognize this RP does not negate their responsibility to obtain an oyster gardening permit (General Permit #3) from Virginia Marina Resources Commission's Habitat Management Division?
- YES NO (23) Does the permittee recognize this RP does not authorize any dredging or filling of waters of the United States (including wetlands) and does not imply that future dredging proposals will be approved by the Corps?
- YES NO (24) Does the permittee understand that by accepting 18-RP-17, the permittee accepts all of the terms and conditions of the permit, including the limits of Federal liability contained in the 18-RP-17 enclosure? Does the permittee acknowledge that the structures permitted under 18-RP-17 may be exposed to waves caused by passing vessels and that the permittee is solely responsible for the integrity of the structures permitted under 18-RP-17 and the exposure of such structures and vessels moored to such structures to damage from waves? Does the permittee accept that the United States is not liable in any way for such damage and that it shall not seek to involve the United States in any actions or claims regarding such damage?

IF YOU HAVE ANSWERED "NO" TO ANY OF THE QUESTIONS ABOVE, REGIONAL PERMIT 17 (18-RP-17) DOES NOT APPLY AND YOU ARE REQUIRED TO OBTAIN WRITTEN AUTHORIZATION FROM THE CORPS PRIOR TO PERFORMING THE WORK.

IF YOU HAVE ANSWERED "YES" (OR "N/A", WHERE APPLICABLE) TO ALL OF THE QUESTIONS ABOVE, YOU ARE IN COMPLIANCE WITH REGIONAL PERMIT 17 (18-RP-17). PLEASE SIGN BELOW, ATTACH, AND SUBMIT THIS CHECKLIST WITH YOUR COMPLETED JOINT PERMIT APPLICATION (JPA). THIS SIGNED CERTIFICATE 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.

I CERTIFY THAT I HAVE READ AND UNDERSTAND ALL CONDITIONS OF THE REGIONAL PERMIT 17 (18-RP-17), DATED SEPTEMBER 2018, ISSUED BY THE US ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT REGULATORY BRANCH (CENAO-WRR), NORFOLK, VIRGINIA.

Signature of Property Owner(s) or Agent

Proposed work to be located at:

337 PRINCESS ANNE ROAD

VIRGINIA BEACH, VA 23457

Date 03 / 15 / 2021

VMRC Number: _____

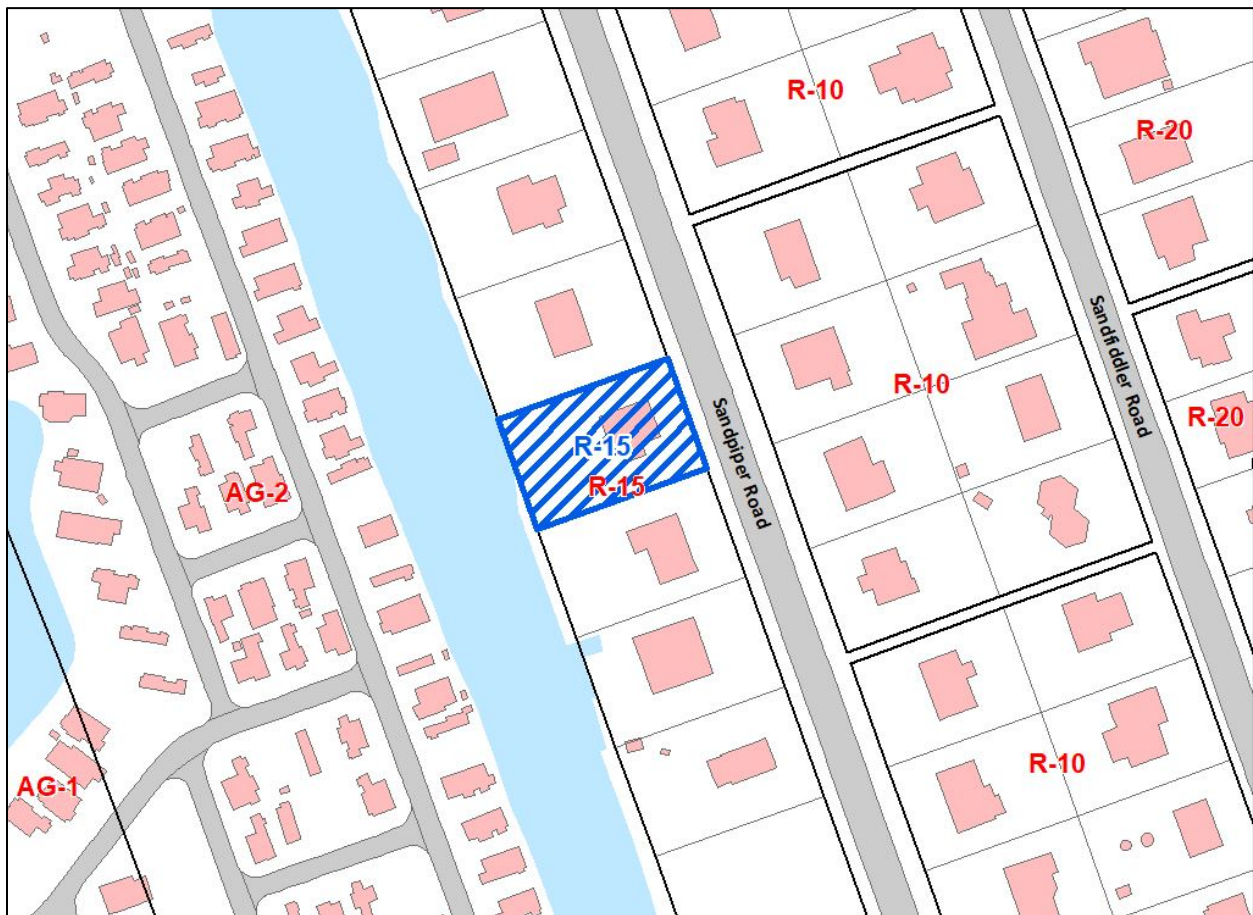
4. 2021-WTRA-00084

Thao & Anh Nguyen [Applicant/Owner]

To construct a bulkhead and boat ramp involving wetlands

3649 Sandpiper Road
(GPIN 2432-64-9263)

Waterway – Ships Bay
Subdivision – Sandbridge
Council District – Princess Anne



00084

Disclosure Statement



The disclosures contained in this form are necessary to inform public officials who may vote on the application as to whether they have a conflict of interest under Virginia law. The completion and submission of this form is required for all applications that pertain to City real estate matters or to the development and/or use of property in the City of Virginia Beach requiring action by the City Council or a City board, commission or other body.

Applicant Disclosure

Applicant Name Thao & Anh Nguyen

Does the applicant have a representative? Yes No

- If yes, list the name of the representative.
Sigma Environmental Services, Inc.

Is the applicant a corporation, partnership, firm, business, trust or an unincorporated business? Yes No

- If yes, list the names of all officers, directors, members, trustees, etc. below. (Attach a list if necessary)

- If yes, list the businesses that have a parent-subsiary¹ or affiliated business entity² relationship with the applicant. (Attach a list if necessary)

¹ "Parent-subsiary relationship" means "a relationship that exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation." See State and Local Government Conflict of Interests Act, VA. Code § 2.2-3101.

² "Affiliated business entity relationship" means "a relationship, other than parent-subsiary relationship, that exists when (i) one business entity has a controlling ownership interest in the other business entity, (ii) a controlling owner in one entity is also a controlling owner in the other entity, or (iii) there is shared management or control between the business entities. Factors that should be considered in determining the existence of an affiliated business entity relationship include that the same person or substantially the same person own or manage the two entities; there are common or commingled funds or assets; the business entities share the use of the same offices or employees or otherwise share activities, resources or personnel on a regular basis; or there is otherwise a close working relationship between the entities." See State and Local Government Conflict of Interests Act, Va. Code § 2.2-3101.

Disclosure Statement



Known Interest by Public Official or Employee

Does an official or employee of the City of Virginia Beach have an interest in the subject land or any proposed development contingent on the subject public action? Yes No

- If yes, what is the name of the official or employee and what is the nature of the interest?
-

Applicant Services Disclosure

1. Does the applicant have any existing financing (mortgage, deeds of trust, cross-collateralization, etc) or are they considering any financing in connection with the subject of the application or any business operating or to be operated on the property?

Yes No

- If yes, identify the financial institutions.

Penny Mac

2. Does the applicant have a real estate broker/agent/realtor for current and anticipated future sales of the subject property?

Yes No

- If yes, identify the real estate broker/realtor.
-

3. Does the applicant have services for accounting and/or preparation of tax returns provided in connection with the subject of the application or any business operating or to be operated on the property? Yes No

- If yes, identify the firm or individual providing the service.
-

4. Does the applicant have services from an architect/landscape architect/land planner provided in connection with the subject of the application or any business operating or to be operated on the property? Yes No

- If yes, identify the firm or individual providing the service.
-

5. Is there any other pending or proposed purchaser of the subject property? Yes No

- If yes, identify the purchaser and purchaser's service providers.
-

Disclosure Statement



6. Does the applicant have a construction contractor in connection with the subject of the application or any business operating or to be operated on the property? Yes No
- If yes, identify the construction contractor.

7. Does the applicant have an engineer/surveyor/agent in connection with the subject of the application or any business operating or to be operated on the property? Yes No
- If yes, identify the engineer/surveyor/agent.
Sigma Environmental Services, Inc.

8. Is the applicant receiving legal services in connection with the subject of the application or any business operating or to be operated on the property? Yes No
- If yes, identify the name of the attorney or firm providing legal services.

Applicant Signature

I certify that all of the information contained in this Disclosure Statement Form is complete, true, and accurate. I understand that, upon receipt of notification that the application has been scheduled for public hearing, I am responsible for updating the information provided herein two weeks prior to the meeting of Planning Commission, City Council, VBDA, CBPA, Wetlands Board or any public body or committee in connection with this application.

	
Applicant Signature	
<u>Thao T. Nguyen</u>	<u>ANH N. NGUYEN</u>
Print Name and Title	
<u>4-3-2021</u>	<u>4-3-2021</u>
Date	

- Is the applicant also the owner of the subject property? Yes No
- If yes, you do not need to fill out the owner disclosure statement.

FOR CITY USE ONLY/ All disclosures must be updated two (2) weeks prior to any Planning Commission and City Council meeting that pertains to the applications			
<input type="checkbox"/>	No changes as of	Date	Signature
			Print Name

- ❖ 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 # 21-0530

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"/>	Regional Permit 17 (RP-17) <input checked="" type="checkbox"/>			
NWP # _____ (For Nationwide Permits ONLY - No DEQ-VWP permit writer will be assigned)				
County or City in which the project is located: <u>Virginia Beach</u>				
Waterway at project site: <u>Man-made canal to North Bay/ Back Bay</u>				
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/pems/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:

Thao & Anh Nguyen
8305 Lydell Drive
Henrico, VA 23228

Home () _____
Work () _____
Fax () _____
Cell (804) 248-2628
e-mail anguyen1715@yahoo.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):

Sigma Environmental Services, Inc.
1513 Sandbridge Road
Virginia Beach, VA 23456

Contact Information:
Home () _____
Work () _____
Fax () _____
Cell (757) 615-9974
e-mail rharoldjones@aol.com

State Corporation Commission Name and ID Number (if applicable) 0623459-5

*** 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.

Install 83' 3" of facing bulkhead with one 6' return wall, a 12' x 20' concrete boat ramp with two 20' retaining walls, and a 4' x 24' marginal wharf.

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

The Virginian Pilot
150 Brambleton Ave.
Norfolk, VA 23509

(757) 446-2000

7. Give the following project location information:

Street Address (911 address if available) 3649 Sandpiper Road

Lot/Block/Parcel# Lot 68

Subdivision Sandbridge Beach, Tract D - Section 3

City / County Virginia Beach, Virginia ZIP Code 23456

Latitude and Longitude at Center Point of Project Site (Decimal Degrees):
36.699064 N / -75.927772 W (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 the intersection of Sandbridge Road and Sandpiper Road, turn right and head south on Sandpiper Road. Travel approximately 3.4 miles. 3649 Sandpiper Rd. is located on the right (west) side of the road.

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."

The primary purpose of the project is to stabilize an eroding shoreline. The secondary purpose is to provide safe launching and temporary mooring of the owners recreational vessels.

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.*
- Installation of the bulkhead strikes a balanced alignment through uplands and the intertidal zone. Approximately 77 sq. ft. of non-vegetated intertidal area will be impacted and 114 sq. ft. of upland channelward of the bulkhead alignment will be excavated to non-vegetated intertidal area. Installation of the boat ramp will impact approximately 5 sq. ft of vegetated wetlands and 18 sq. ft of non-vegetated intertidal area. The 5 sq. ft of vegetated wetlands will be compensated for through a contribution to the City of Virginia Beach In-Lieu-Fee mitigation program.
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.): \$ 38,000
Approximate cost of that portion of the project that is channelward of mean low water:
\$ 0
13. Completion date of the proposed work: Summer - Fall 2021
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.

Hugh & Yolanda Reavis Trust, 717 Kingston Dr., Virginia Beach, VA 23456 ~~λ~~

Outdoor Resorts of Virginia Beach, 3665 Sandpiper Road, Virginia Beach, 23456

David vanDaalen, 3645 Sandpiper Road, Virginia Beach, VA 23456

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.

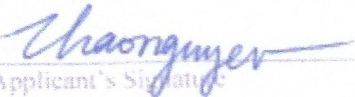
CERTIFICATION: I am hereby applying for all permits typically issued by the DEQ, VMRC, U.S. Army Corps of Engineers, and/or Local Wetlands Boards for the activities I have described herein. I agree to allow the duly authorized representatives of any regulatory or advisory agency to enter upon the premises 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.

Thao & Anh Nguyen

Applicant's Name (printed/typed)

(Use if more than one applicant)


Applicant's Signature


(Use if more than one applicant)

March 3, 2021

Date

Property Owner's 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

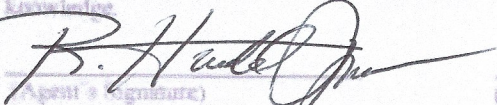
I (we), Thao & Anh Nguyen, hereby certify that I (we) have authorized Sigma Environmental Services, Inc.

(Applicant's 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.

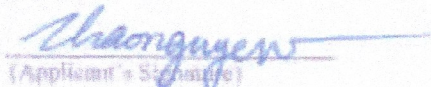


(Agent's signature)

(Use if more than one agent)

3-3-2021

(Date)



(Applicant's signature)



(Use if more than one applicant)

3-3-2021

(Date)

3. Applicant's having contractors (if applicable)

CONTRACTOR ACKNOWLEDGEMENT

I (we), _____, have contracted _____

(Applicant's Name(s))

(Contractor's Name(s))

to perform the work described in this Joint Permit Application, signed and dated _____

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 firm address

Contractor's or firm address

Contractor's signature and title

Contractor's License Number

Applicant's signature

(Use if more than one applicant)

Date

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.

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.**

Install a 12' x 20' concrete ramp with two 20' retaining walls, and a 4' X 24' marginal wharf.

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? 4 feet.

Channelward of Mean High Water? 4 feet.

Channelward of Mean Low Water? 0 feet.

What is the area of the piers and platforms that will be constructed over

Tidal non-vegetated wetlands 0 square feet.

Tidal vegetated wetlands 0 square feet.

Submerged lands _____ square feet.

What is the total size of any and all L- or T-head platforms? NA sq. ft.

For boathouses, what is the overall size of the roof structure? NA 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.

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 #
Not yet obtained				

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 (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:

Install 83' 3" of bulkhead with one return wall.

Approximately 19 cubic yards of material will be required for backfill which will be obtained from excavation of 114 sq. ft. of upland area located channelward of the bulkhead alignment.

2. What is the maximum encroachment channelward of mean high water? 4 feet.
Channelward of mean low water? 0 feet.
Channelward of the back edge of the dune or beach? NA feet.

3. Please calculate the square footage of encroachment over:
 - Vegetated wetlands 5 square feet
 - Non-vegetated wetlands 77 square feet
 - Subaqueous bottom 0 square feet
 - Dune and/or beach NA 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.

Installation of the bulkhead strikes a balanced alignment through uplands and the intertidal zone. Approximately 77 sq. ft. of non-vegetated intertidal area will be impacted and 114 sq. ft. of upland channelward of the bulkhead alignment will be excavated to on-vegetated intertidal area. Installation of the boat ramp will impact approximately 5 sq. ft. of vegetated wetlands and 18 sq. ft. of non-vegetated intertidal area. The 5 sq. ft. of wetlands will be compensated for through a contribution to the City of Virginia Beach In-Lieu-Fee mitigation program.

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.

See Sheet 3 of 4 for material specifications and schedule.

6. If using stone, broken concrete, etc. for your structure(s), what is the average weight of the:
 Core (inner layer) material _____ pounds per stone Class size _____
 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
 _____ cubic yards channelward of mean high water
 _____ cubic yards 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>:

Thao & Anh Nguyen 329 Teal Crescent

VMRC-21-0530

Statement indicating whether use of a living shoreline (as defined in §28.2-104.1) for a shoreline management practice is not suitable, including reasons for that determination.

The project site is located in a man-made canal that is approximately 108' wide. All properties along the western shore of the canal, located within Outdoor Resorts of Virginia Beach, have been stabilized by bulkheads (n=39). The current property is flanked on both sides by existing bulkheads. All other lots on the eastern shore of the canal have been bulkheaded except the subject lot and one located just inside the mouth of the canal.

The property was just recently purchased by the applicants. The residential structure is located approximately 50 feet landward of the existing shoreline. The applicants also plan to install an in-ground pool between the house and the current shoreline at a later date. This alone would essentially limit the feasibility of constructing a living shoreline by grading back into the upland backyard.

Most canal-front properties in Sandbridge were created from pre-existing wetlands that were subsequently filled with dredged materials generated from initial canal excavation. Those lots continue to be plagued with vertical and horizontal soil instability issues due to the existence of one or more highly compressible layers that contain unconsolidated organic remnants of the pre-existing vegetated wetlands prior to filling, and with organics within the dredged materials placed on the lots during canal creation (dredging). Re-grading the existing shoreline to a very gentle slope (e.g. 6:1) would expose those organic layers to additional erosional forces across the slope face. The organic layers would be situated entirely within the intertidal zone and subject to additional vertical and horizontal instabilities due to constant water level fluctuations and erosion forces across the increased slope face. This would have a tendency to de-stabilize the sandy loam horizon above an unconsolidated layer that would result in a slow, but inevitable collapse of the sandier materials upslope. The result would actually increase the landward extent of potential erosion at the site. The resulting condition would not be in the best interest for creation, or long-term stabilization, of a newly created living shoreline at this site. Nor would it be in the best interest of the homeowner.

The proposed project will impact 77 sq. ft. of non-vegetated wetlands which will be compensated for onsite by excavating existing uplands located channelward of the proposed bulkhead creating 114 sq. ft. of intertidal habitat.

In summary, the site is constrained on both sides by existing bulkheads. Soil stratigraphy along the shoreline, and for some distance back into the yard, is generally unconsolidated and unstable. To achieve a 6:1 slope for marsh creation, excavation of the applicant's back yard would be required. It is Sigma's professional opinion that (1) the area potentially required for creation of a living shoreline on this small lot would be excessive; (2) the site is not conducive to the short- or long-term stability of a newly created living shoreline; (3) that creation of 114 sq. ft. of non-vegetated wetlands channelward of the proposed bulkhead will fully compensate for the 77 sq. ft. of NVW impacted by bulkhead installation, and (4) the cost of creating a living shoreline is not commensurate with the minimal impact generated by the proposed construction activity.

The 5 sq. ft. of vegetated wetlands located within the existing ramp will be fully compensated for via an appropriate contribution to the City's In-Lieu-Fee Mitigation Program.

ENGINEER/SURVEYOR'S INSPECTION STATEMENT
FOR
WATERFRONT CONSTRUCTION/COASTAL PRIMARY SAND DUNE PROJECTS

REVISED 10-09-03

PROJECT LOCATION: 3649 SANDPIPER RD

APPLICANT'S NAME: THAO + ANH NGUYEN

APPLICANT'S ADDRESS: 8305 Lydell DR.

HENRICO, VA 23228

ENGINEER OF RECORD: JOHN W. BLAKE, II, P.E.

PROFESSIONAL ENGINEER/SURVEYOR

CERTIFYING PROJECT

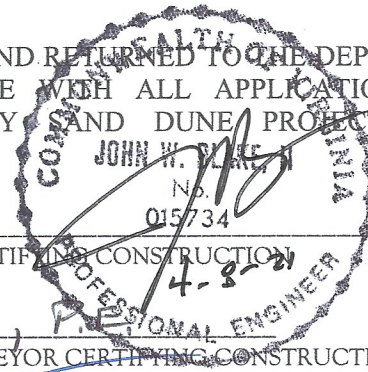
CONSTRUCTION:

JOHN W. BLAKE, II, P.E.

AT THE COMPLETION OF A WATERFRONT CONSTRUCTION/COASTAL PRIMARY SAND DUNE PROJECT IT IS REQUIRED THAT A CERTIFICATION BY THE APPROVING ENGINEER/SURVEYOR BE SUBMITTED, STATING THAT THEY HAVE INSPECTED THE REFERENCED PROJECT SITE AND TO THE BEST OF THEIR KNOWLEDGE, THE WATERFRONT/COASTAL PRIMARY SAND DUNE PROJECT HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. SUCH CERTIFICATION SHALL BE SEALED BY THE ENGINEER OR SURVEYOR CERTIFYING THE CONSTRUCTION.

THIS FORM MUST BE COMPLETED AND RETURNED TO THE DEPARTMENT OF PLANNING, WATERFRONT OPERATIONS OFFICE WITH ALL APPLICATIONS FOR WATERFRONT CONSTRUCTION/COASTAL PRIMARY SAND DUNE PROJECTS AT THE TIME OF SUBMITTAL.

SIGNATURE OF ENGINEER/SURVEYOR CERTIFYING CONSTRUCTION



4-8-21

DATE

TYPE OR PRINT NAME OF ENGINEER/SURVEYOR CERTIFYING CONSTRUCTION

JOHN W. BLAKE, II, P.E.

SIGNATURE OF APPLICANT



4-9-21

DATE

SIGNATURE OF COASTAL ZONE ADMINISTRATOR

DATE

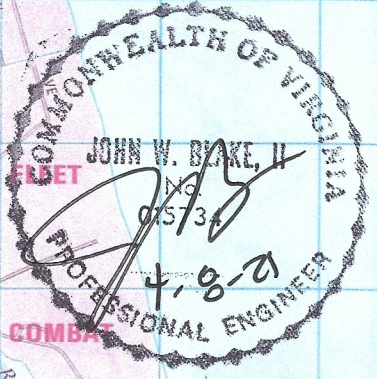
ANY ALTERATION OF THIS FORM OR ITS ENDORSEMENTS WITHOUT THE EXPRESS CONSENT FROM THE ORIGINATOR SHALL INVALIDATE THIS INSTRUMENT.

APPLICATION NO. _____

75°57'30" Joins Inset - Right

2,750,000 FT

75°57'30"



REVISED: 3-25-2021 4-8-2021

SIGMA ENVIRONMENTAL SERVICES, INC.
 1513 SANDBRIDGE ROAD
 VIRGINIA BEACH, VIRGINIA 23456
 (757) 615-9974

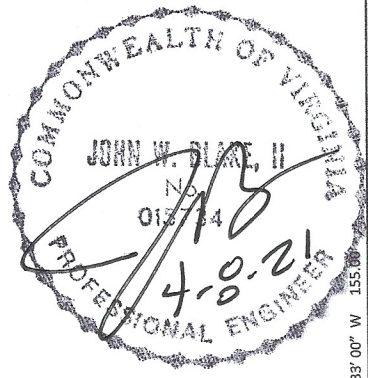
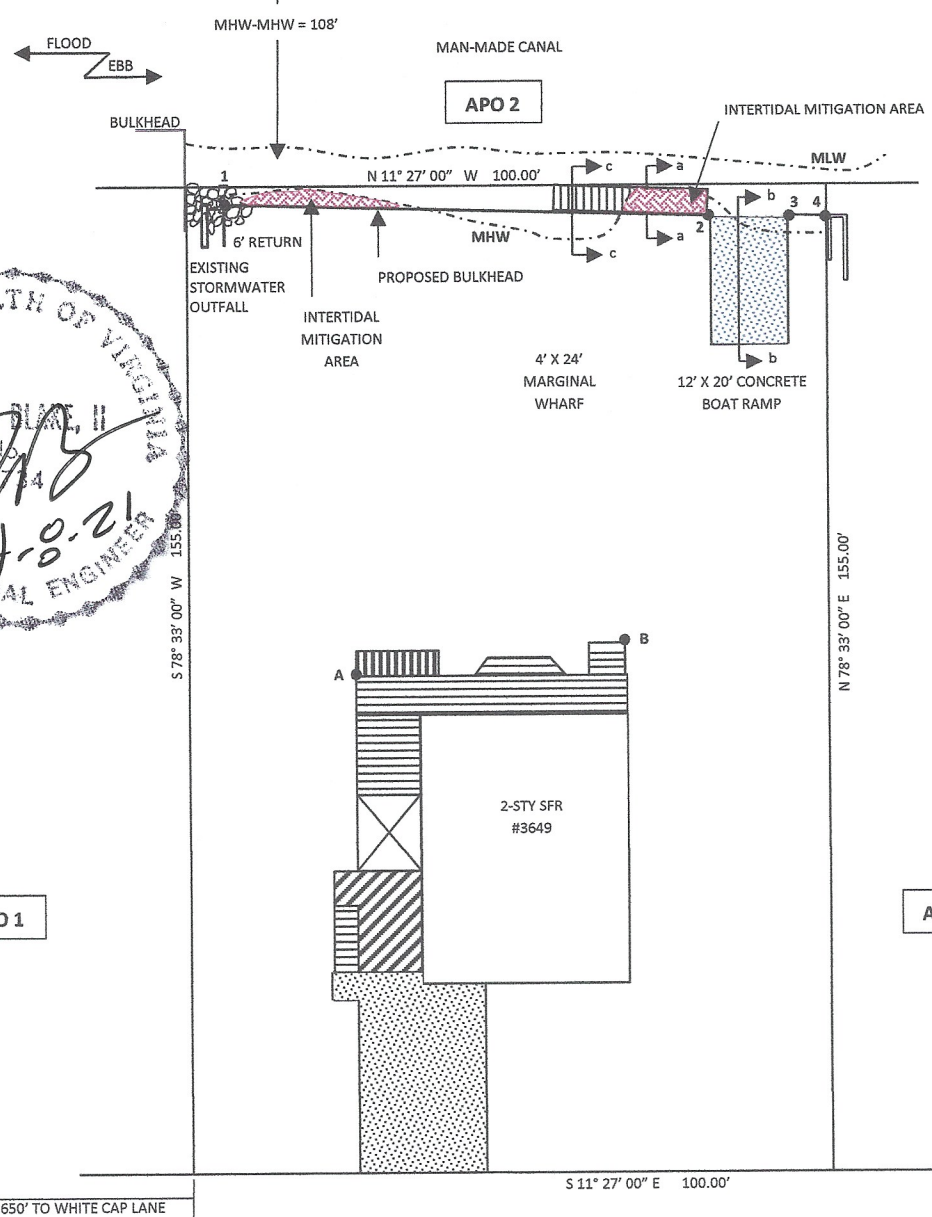
APOs:

1. HUGH & YOLANDA REAVIS TRUST
2. OUTDOOR RESORTS OF VA BEACH
3. DAVID H. vanDAALEN

WATERWAY: MAN-MADE CANAL TO NORTH BAY
FOR: THAO & AHN NGUYEN
AT: 3649 SANDPIPER ROAD
 VIRGINIA BEACH, VA 23456

PROJECT: BULKHEAD, BOAT RAMP, MARGINAL WHARF
DATUM: 0.00' MLW = -1.3' NAVD 1988
DATE: MARCH 3, 2021 SHEET 1 OF 5

PLAN VIEW
SCALE: 1" = 30'



TIE DOWNS

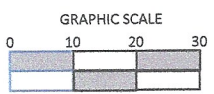
A-1	76' 1"
A-2	87' 0"
A-3	94' 10"
A-4	99' 4"
B-1	93' 7"
B-2	67' 2"
B-3	70' 9"
B-4	73' 6"
A-B	39' 4"

LINE DISTANCES

1-2	77' 3"
2-3	12' 0"
3-4	6' 0"

APO 1

APO 3



REVISED: 3-25-2021 4-8-2021

Σ SIGMA ENVIRONMENTAL SERVICES, INC.
1513 SANDBRIDGE ROAD
VIRGINIA BEACH, VIRGINIA 23456

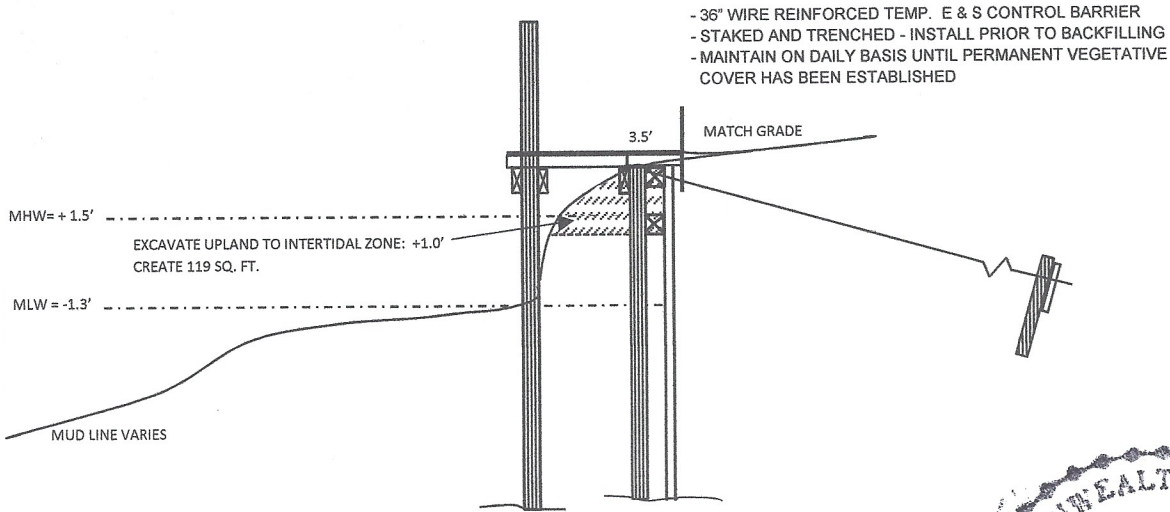
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- DAVID H. vanDAALEN

WATERWAY: MAN-MADE CANAL TO NORTH BAY
FOR: THAO & ANH NGUYEN
AT: 3649 SANDPIPER RD.
VIRGINIA BEACH, VA 23456

PROJECT: BULKHEAD, BOAT RAMP, MARGINAL WHARF
DATUM: 0.00' MLW = -1.3' NAVD 1988
DATE: MARCH 3, 2021 SHEET 2 OF 5

**CROSS SECTION a-a
BULKHEAD, MARGINAL WHARF,
INTERTIDAL CREATION AREA
1" = 6'**



- 36" WIRE REINFORCED TEMP. E & S CONTROL BARRIER
 - STAKED AND TRENCHED - INSTALL PRIOR TO BACKFILLING
 - MAINTAIN ON DAILY BASIS UNTIL PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED



MATERIAL SCHEDULE:

TIE BACK RODS: 3/4" DIA. - 10-15' LENGTH
 DRAGBOARDS: TWO (2) 2" X 12"
 PILES: 8" DIA. MINIMUM 6' O/C - 10' LENGTH
 SHEETING: 2" X 12" X 10' T&G
 ALTERNATE SHEETING: VINYL SCMI- SG- 330
 WALES: DOUBLE 4" X 6" ON EDGE - CONTINUOUS -
 STAGGERED JOINTS - BOLDED
 TOP CAP: TWIN 2" X 10"
 UV PROTECTED FILTER CLOTH
 1" WEEP HOLES 2' O/C 4" BELOW MHW
 19 YD³ BACKFILL

MATERIAL SPECIFICATIONS:

FRAMING: CCA 2.5# PCF (MLP-88)
 DEADMAN: CCA 2.5# (MP-88)
 TOP PLATE: 0.4# PCF (LP-22)
 HARDWARE: HOT DIPPED GALVANIZED (ASTM-A153)
 CONCRETE: MIN. 3,000 PSI

REVISED: 3-25-2021 4-8-2021

SIGMA ENVIRONMENTAL SERVICES, INC.

1513 SANDBRIDGE ROAD
 VIRGINIA BEACH, VIRGINIA 23456

APOs:

1. HUGH & YOLANDA REAVIS TRUST
2. OUTDOOR RESORTS OF VA BEACH
3. DAVID vanDAALEN

**WATERWAY: MAN-MADE CANAL TO
 NORTH BAY**

**FOR: THAO & AHN NGUYEN
 AT: 3649 SANDPIPER RD.
 VIRGINIA BEACH, VA 23456**

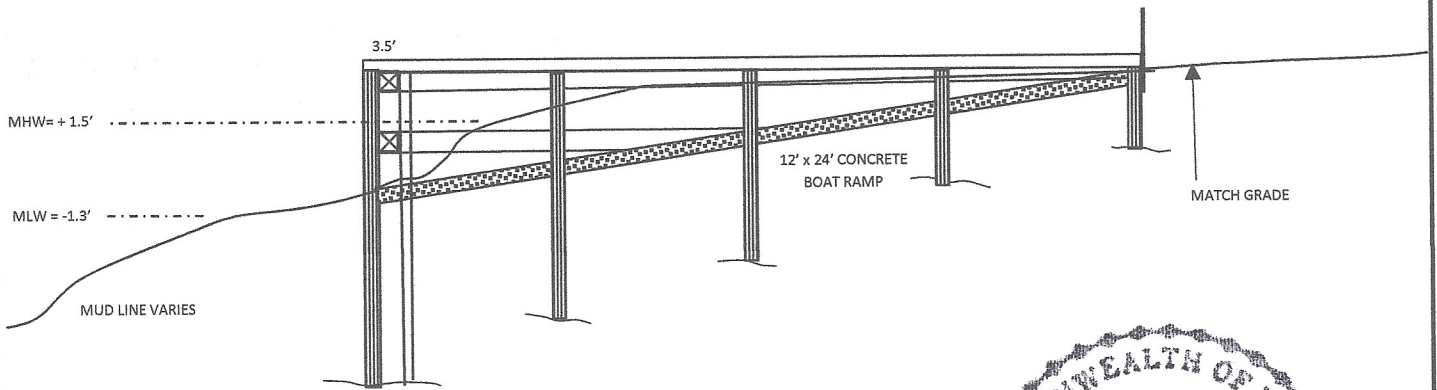
**PROJECT: BULKHEAD, BOAT RAMP
 MARGINAL WHARF**

DATUM: 0.00' MLW = -1.3' NAVD 1988

DATE: MARCH 3, 2021 SHEET 3 OF 5

**CROSS SECTION b-b
BOAT RAMP
1" = 6'**

- 36" WIRE REINFORCED TEMP. E & S CONTROL BARRIER
- STAKED AND TRENCHED - INSTALL PRIOR TO BACKFILLING
- MAINTAIN ON DAILY BASIS UNTIL PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED

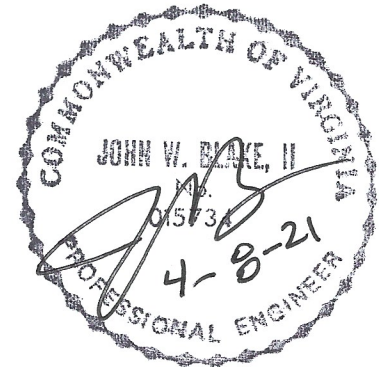


MATERIAL SCHEDULE:

- TIE BACK RODS: 3/4" DIA. - 10-15' LENGTH
- DRAGBOARDS: TWO (2) 2" X 12"
- PILES: 8" DIA. MINIMUM 6' O/C - 10' LENGTH
- SHEETING: 2" X 12" X 10' T&G
- ALTERNATE SHEETING: VINYL SCMI- SG- 330
- WALES: DOUBLE 4" X 6" ON EDGE - CONTINUOUS - STAGGERED JOINTS - BOLDED
- TOP CAP: TWIN 2" X 10"
- UV PROTECTED FILTER CLOTH
- 1" WEEP HOLES 2' O/C 4" BELOW MHW
- 10 CU YDS SELECT BASE FILL

MATERIAL SPECIFICATIONS:

- FRAMING: CCA 2.5# PCF (MLP-88)
- DEADMAN: CCA 2.5# (MP-88)
- TOP PLATE: 0.4# PCF (LP-22)
- HARDWARE: HOT DIPPED GALVANIZED (ASTM-A153)
- CONCRETE: MIN. 3,000 PSI



REVISED: 3-25-2021 4-8-2021

SIGMA ENVIRONMENTAL SERVICES, INC.

1513 SANDBRIDGE ROAD
VIRGINIA BEACH, VIRGINIA 23456

APOs:

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3. DAVID vanDAALEN

**WATERWAY: MAN-MADE CANAL TO
NORTH BAY**

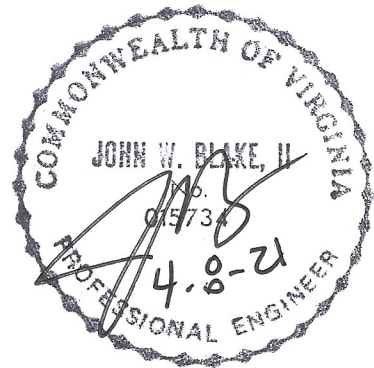
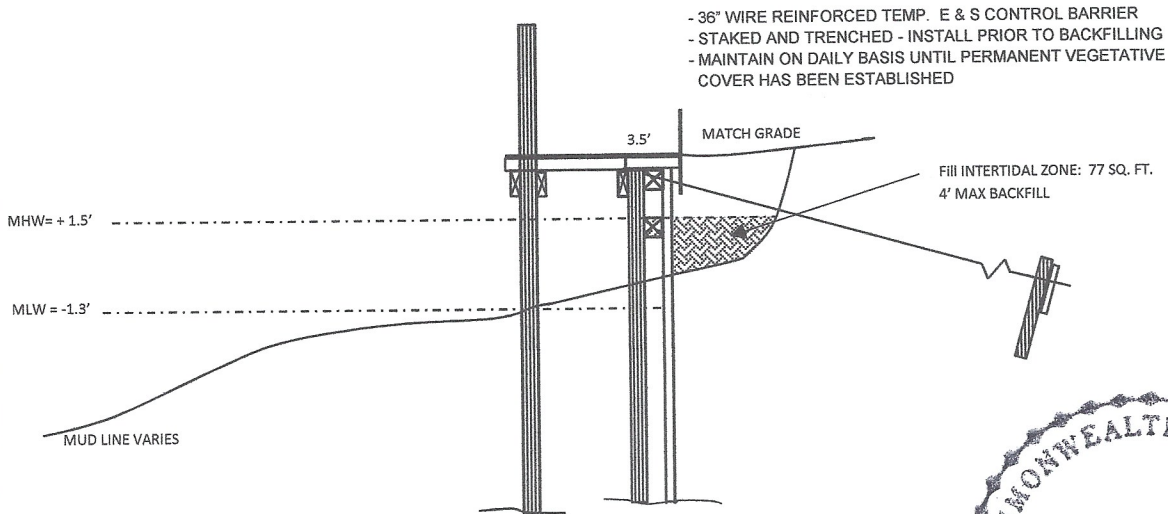
**FOR: THAO & ANH NGUYEN
AT: 3649 SANDPIPER ROAD
VIRGINIA BEACH, VA 23456**

**PROJECT: BULKHEAD, BOAT RAMP,
MARGINAL WHARF**

DATUM: 0.00' MLW = -1.3' NAVD 1988

DATE: MARCH 3, 2021 SHEET 4 OF 5

**CROSS SECTION c-c
BULKHEAD, INTERTIDAL FILL AREA
MARGINAL WHARF
1" = 6'**



MATERIAL SCHEDULE:

TIE BACK RODS: 3/4" DIA. - 10-15' LENGTH
 DRAGBOARDS: TWO (2) 2" X 12"
 PILES: 8" DIA. MINIMUM 6' O/C - 10' LENGTH
 SHEETING: 2" X 12" X 10' T&G
 ALTERNATE SHEETING: VINYL SCMI-SG-330
 WALES: DOUBLE 4" X 6" ON EDGE - CONTINUOUS -
 STAGGERED JOINTS - BOLDED
 TOP CAP: TWIN 2" X 10"
 UV PROTECTED FILTER CLOTH
 1" WEEP HOLES 2' O/C 4" BELOW MHW
 19 YD³ BACKFILL

MATERIAL SPECIFICATIONS:

FRAMING: CCA 2.5# PCF (MLP-88)
 DEADMAN: CCA 2.5# (MP-88)
 TOP PLATE: 0.4# PCF (LP-22)
 HARDWARE: HOT DIPPED
 GALVANIZED (ASTM-A153)
 CONCRETE: MIN. 3,000 PSI

REVISED: 3-25-2021 4-8-2021

Σ SIGMA ENVIRONMENTAL SERVICES, INC.

1513 SANDBRIDGE ROAD
 VIRGINIA BEACH, VIRGINIA 23456

APOs:

1. HUGH & YOLANDA REAVIS TRUST
2. OUTDOOR RESORTS OF VA BEACH
3. DAVID vanDAALEN

**WATERWAY: MAN-MADE CANAL TO
 NORTH BAY**

**FOR: THAO & AHN NGUYEN
 AT: 3649 SANDPIPER RD.
 VIRGINIA BEACH, VA 23456**

**PROJECT: BULKHEAD, BOAT RAMP
 MARGINAL WHARF**

DATUM: 0.00' MLW = -1.3' NAVD 1988

DATE: MARCH 3, 2021 SHEET 5 OF 5

Part 2 – Signatures (continued)

ADJACENT PROPERTY OWNER'S ACKNOWLEDGEMENT FORM

I (we), Hugh & Yolanda Reavis Trust, own land next to (across the water
(Print adjacent/nearby property owner's name)

from/on the same cove as) the land of Thao & Anh Nguyen.
(Print applicant's name(s))

I have reviewed the applicant's project drawings dated 3-3-21
(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).

Yolanda R Reavis
Adjacent/nearby property owner's signature(s)

March 11, 2021
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.

ADJACENT PROPERTY OWNER’S ACKNOWLEDGEMENT FORM

I (we), Outdoor Resorts of Virginia Beach, own land next to (across the water
(Print adjacent/nearby property owner’s name)

from/on the same cove as) the land of Thao & Anh Nguyen,
(Print applicant’s name(s))

I have reviewed the applicant’s project drawings dated 3-3-21
(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. *Note: there is encroachment on Outdoor Resorts of VB CAI property*

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).

Paul Cobble General Manager on behalf of the Board of Directors - Outdoor Resorts of VB CAI
Adjacent/nearby property owner’s signature(s)

April 8, 2021
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), David vanDaalen, own land next to (across the water
(Print adjacent/nearby property owner's name)

from/on the same cove as) the land of Thao & Anh Nguyen
(Print applicant's name(s))

I have reviewed the applicant's project drawings dated 3-3-21
(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).

David H. van Daalen
Adjacent/nearby property owner's signature(s)

4/9/21
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.



U.S. Army Corps
Of Engineers
Norfolk District

REGIONAL PERMIT 17 CHECKLIST

Expires: September 5, 2023

Please review the 18-RP-17 enclosure before completing this form and note 18-RP-17 can only be used for proposed PRIVATE USE structure(s) that comply with the terms and conditions of 18-RP-17. Copies can be obtained online at <http://www.nao.usace.army.mil/Missions/Regulatory/RBregional/>.

- YES NO (1) Has the permittee reviewed the 18-RP-17 enclosure and verified that the proposed structure(s) is in compliance with all the terms, conditions, and limitations of 18-RP-17?
- YES NO (2) Does the proposed structure(s) 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 (3) Does the proposed structure(s) extend no more than 300 feet from MHW or OHW (including all channelward wetlands)?
- YES NO N/A (4) Does the proposed structure(s) attach to the upland at a point landward of MHW or OHW (including all channelward wetlands)?
- YES NO N/A (5) If the proposed structure(s) crosses wetland vegetation, is it 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 (6) Does the proposed structure(s) include no more than two (2) boatlifts and no more than two (2) boat slips?
- YES NO N/A (7) Is the open-sided roof structure designed to shelter a boat \leq 700 square feet and/or is the open sided roof structure or gazebo structure designed to shelter a pier \leq 400 square feet?
- YES NO N/A (8) Are all piles associated with the proposed structure(s) non-steel, less than or equal to 12" in diameter, and will less than or equal to 25 piles be installed channelward of MHW?
- YES NO N/A (9) Is all work occurring behind cofferdams, turbidity curtains, or other methods to control turbidity being utilized when operationally feasible and federally listed threatened or endangered species may be present?
- YES NO N/A (10) If the proposed structure(s) is to be located within an anadromous fish use area, the prospective permittee will 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 is less 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 is less than 384 feet between the most channelward pile and MLW on the opposite shoreline.
- YES NO (11) 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?
- YES NO (12) Has the permittee ensured the construction and/or installation of the proposed structure(s) will not affect federally listed threatened or endangered species or designated critical habitat?
- YES NO (13) Will the proposed structure be located outside of Broad Creek in Middlesex County, Fisherman's Cove in Norfolk, or the Salt Ponds in Hampton?
- YES NO (14) Will the proposed structure(s) be located outside of the waterways containing a Federal Navigation Project listed in Permit Specific Condition 12 of 18-RP-17 and/or will all portions of the proposed structure(s) be located more than 85 feet from the Federal Navigation Project?

- YES NO (15) Will the proposed structure(s) be located outside a USACE Navigation and Flood Risk Management project area?
- YES NO (16) Will the proposed structure(s) be located outside of any Designated Trout Waters?
- YES NO N/A (17) If the proposed structure(s) includes flotation units, will the units be made of materials that will not become waterlogged or sink if punctured?
- YES NO N/A (18) If the proposed structure(s) includes flotation units, will the floating sections be braced so they will not rest on the bottom during periods of low water?
- YES NO (19) Is the proposed structure(s) made of suitable materials and practical design so as to reasonably ensure a safe and sound structure?
- YES NO (20) Will the proposed structure(s) be located on the property in accordance with the local zoning requirements?
- YES NO N/A (21) If the proposed structure(s) includes a device used for shellfish gardening, will the device be attached directly to a pier and limited to a total of 160 square feet?
- YES NO N/A (22) If the proposed structure(s) includes a device used for shellfish gardening, does the permittee recognize this RP does not negate their responsibility to obtain an oyster gardening permit (General Permit #3) from Virginia Marina Resources Commission's Habitat Management Division?
- YES NO (23) Does the permittee recognize this RP does not authorize any dredging or filling of waters of the United States (including wetlands) and does not imply that future dredging proposals will be approved by the Corps?
- YES NO (24) Does the permittee understand that by accepting 18-RP-17, the permittee accepts all of the terms and conditions of the permit, including the limits of Federal liability contained in the 18-RP-17 enclosure? Does the permittee acknowledge that the structures permitted under 18-RP-17 may be exposed to waves caused by passing vessels and that the permittee is solely responsible for the integrity of the structures permitted under 18-RP-17 and the exposure of such structures and vessels moored to such structures to damage from waves? Does the permittee accept that the United States is not liable in any way for such damage and that it shall not seek to involve the United States in any actions or claims regarding such damage?

IF YOU HAVE ANSWERED "NO" TO ANY OF THE QUESTIONS ABOVE, REGIONAL PERMIT 17 (18-RP-17) DOES NOT APPLY AND YOU ARE REQUIRED TO OBTAIN WRITTEN AUTHORIZATION FROM THE CORPS PRIOR TO PERFORMING THE WORK.

IF YOU HAVE ANSWERED "YES" (OR "N/A", WHERE APPLICABLE) TO ALL OF THE QUESTIONS ABOVE, YOU ARE IN COMPLIANCE WITH REGIONAL PERMIT 17 (18-RP-17). PLEASE SIGN BELOW, ATTACH, AND SUBMIT THIS CHECKLIST WITH YOUR COMPLETED JOINT PERMIT APPLICATION (JPA). THIS SIGNED CERTIFICATE 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.

I CERTIFY THAT I HAVE READ AND UNDERSTAND ALL CONDITIONS OF THE REGIONAL PERMIT 17 (18-RP-17), DATED SEPTEMBER 2018, ISSUED BY THE US ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT REGULATORY BRANCH (CENAO-WRR), NORFOLK, VIRGINIA.


Signature of Property Owner(s) or Agent

Date March 5, 2021

Proposed work to be located at:

3649 Sandpiper Road

Virginia Beach, VA 23456

VMRC Number: _____

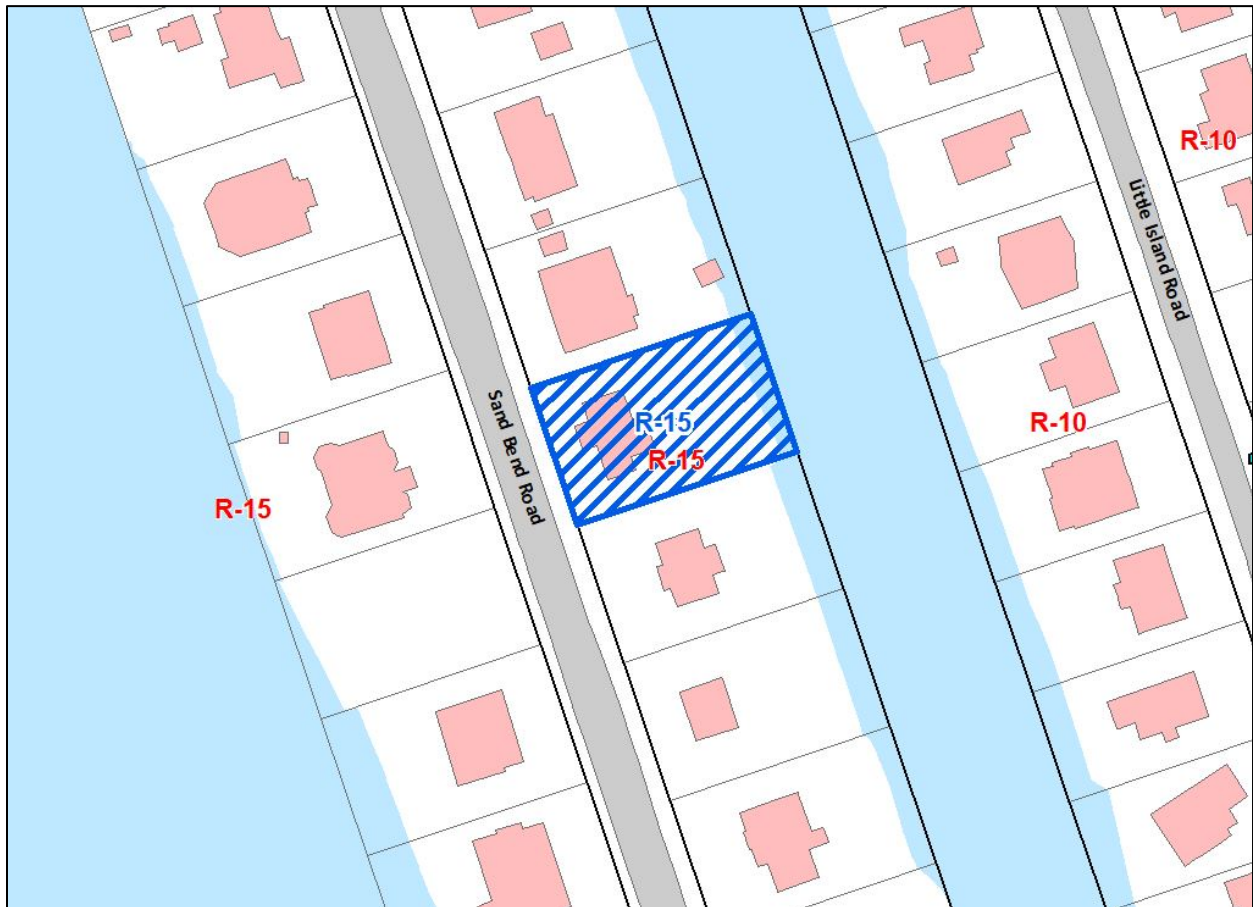
5. 2021-WTRA-00083

Kevin Heinsman [Applicant/Owner]

To remove and relocate rip rap involving wetlands

2960 Sand Bend Road
(GPIN 2433-33-5113)

Waterway – Canal to North Bay
Subdivision – Sandbridge
Council District – Princess Anne



Disclosure Statement



The disclosures contained in this form are necessary to inform public officials who may vote on the application as to whether they have a conflict of interest under Virginia law. The completion and submission of this form is required for all applications that pertain to City real estate matters or to the development and/or use of property in the City of Virginia Beach requiring action by the City Council or a City board, commission or other body.

Applicant Disclosure

Applicant Name Kevin Heinsman

Does the applicant have a representative? **Yes** **No**

- If **yes**, list the name of the representative.

R. Harold Jones, PWS Emeritus, C/o Sigma Environmental Services, Inc.

Is the applicant a corporation, partnership, firm, business, trust or an unincorporated business? **Yes** **No**

- If **yes**, list the names of all officers, directors, members, trustees, etc. below. (Attach a list if necessary)

- If **yes**, list the businesses that have a parent-subsiary¹ or affiliated business entity² relationship with the applicant. (Attach a list if necessary)

¹ "Parent-subsiary relationship" means "a relationship that exists when one corporation directly or indirectly owns shares possessing more than 50 percent of the voting power of another corporation." See State and Local Government Conflict of Interests Act, VA. Code § 2.2-3101.

² "Affiliated business entity relationship" means "a relationship, other than parent-subsiary relationship, that exists when (i) one business entity has a controlling ownership interest in the other business entity, (ii) a controlling owner in one entity is also a controlling owner in the other entity, or (iii) there is shared management or control between the business entities. Factors that should be considered in determining the existence of an affiliated business entity relationship include that the same person or substantially the same person own or manage the two entities; there are common or commingled funds or assets; the business entities share the use of the same offices or employees or otherwise share activities, resources or personnel on a regular basis; or there is otherwise a close working relationship between the entities." See State and Local Government Conflict of Interests Act, Va. Code § 2.2-3101.

Disclosure Statement



Known Interest by Public Official or Employee

Does an **official or employee of the City of Virginia Beach** have an interest in the subject land or any proposed development contingent on the subject public action? Yes No

- If **yes**, what is the name of the official or employee and what is the nature of the interest?
-

Applicant Services Disclosure

1. Does the applicant have **any existing financing (mortgage, deeds of trust, cross-collateralization, etc)** or are they considering **any financing** in connection with the subject of the application or any business operating or to be operated on the property?

Yes No

- If **yes**, identify the financial institutions providing the service.
-

2. Does the applicant have a **real estate broker/agent/realtor** for current and anticipated future sales of the subject property?

Yes No

- If **yes**, identify the company and individual providing the service.
-

3. Does the applicant have services for **accounting and/or preparation of tax returns** provided in connection with the subject of the application or any business operating or to be operated on the property? Yes No

- If **yes**, identify the firm and individual providing the service.
-

4. Does the applicant have services from an **architect/landscape architect/land planner** provided in connection with the subject of the application or any business operating or to be operated on the property? Yes No

- If **yes**, identify the firm and individual providing the service.
-

5. Is there any other **pending or proposed purchaser** of the subject property? Yes No

- If **yes**, identify the purchaser and purchaser's service providers.
-

Disclosure Statement



6. Does the applicant have a **construction contractor** in connection with the subject of the application or any business operating or to be operated on the property? Yes No
- If **yes**, identify the company and individual providing the service.

7. Does the applicant have an **engineer/surveyor/agent** in connection with the subject of the application or any business operating or to be operated on the property? Yes No
- If **yes**, identify the firm and individual providing the service.
- R. Harold Jones, PWS Emeritus C/o Sigma Environmental Services, Inc.

8. Is the applicant receiving **legal services** in connection with the subject of the application or any business operating or to be operated on the property? Yes No
- If **yes**, identify the firm and individual providing the service.

Applicant Signature

I certify that all of the information contained in this Disclosure Statement Form is complete, true, and accurate. I understand that, upon receipt of notification that the application has been scheduled for public hearing, **I am responsible for updating the information provided herein two weeks prior to the meeting of Planning Commission, City Council, VBDA, CBPA, Wetlands Board or any public body or committee in connection with this application.**

Kevin A Heinsman

Applicant Signature

Mr. Kevin Heinsman

Print Name and Title

Kevin A Heinsman

Date

- Is the applicant also the owner of the subject property? Yes No

- If **yes**, you do not need to fill out the owner disclosure statement.

FOR CITY USE ONLY/ All disclosures must be updated two (2) weeks prior to any Planning Commission and City Council meeting that pertains to the applications

<input type="checkbox"/>	No changes as of	Date	Signature	
			Print Name	

- ❖ 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 # 21-0504

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"/>	Regional Permit 17 (RP-17) <input type="checkbox"/>			
NWP # _____ (For Nationwide Permits ONLY - No DEQ-VWP permit writer will be assigned)				
County or City in which the project is located: _____ Waterway at project site: _____				
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:

Kevin Heinsman
2960 Sand bend Road
Virginia Beach, VA 23456

Home () _____
Work () _____
Fax () _____
Cell (757) 802-2737
e-mail wrench747@aol.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):

Sigma Environmental Services, Inc.
1513 Sandbridge Road
Virginia Beach, VA 23456

Contact Information:
Home () _____
Work () _____
Fax () _____
Cell (757) 615-9974
e-mail rharoldjones@aol.com

State Corporation Commission Name and ID Number (if applicable) 0623459-5

*** 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.

Install 100 linear feet of vinyl bulkhead behind an existing revetment kick-plate and landward of MHW. Create a boat basin channelward of the bulkhead: install two 10' retaining walls perpendicular to the bulkhead with a 4' free-standing return wall on the outboard end of each wall. Install a 12' X 12' boat lift and a 16' X 22' roof. Remove revetment within the basin and redistribute the rock along the existing revetment in the intertidal zone.

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

The Virginian Pilot
150 Brambleton Ave.
Norfolk, VA 23509

(757) 446-2000

7. Give the following project location information:

Street Address (911 address if available) 2960 Sand bend Road

Lot/Block/Parcel# Lot 11

Subdivision Back Bay Meadows, Section 3

City / County Virginia Beach, VA ZIP Code 23456

Latitude and Longitude at Center Point of Project Site (Decimal Degrees):
36.723706 / - -75.938772 (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 the intersection of Sandpiper Road and Sandbridge Road, turn right and head south on Sandpiper Road. Travel 1.5 miles, turn right on Rock Lane. Travel one block, turn right on Little Island Road. Travel through a 180 degree turn in the road which now becomes Sand Bend Road. Travel south on Sand Bend Road. #2960 is the 8th house on the left.

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."

The primary purpose of the project is to stabilize the existing rock revetment from further slumping and channelward migration to due horizontal and vertical pressures adversely affecting unconsolidated soils. The secondary purpose is to provide safe storage for the applicants vessel.

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 100 linear feet of new bulkhead is located landward of MHW. No vegetated are present on the site. Installation of the boat basin will require relocation of a portion the existing revetment. All rock will be re-distributed across the remaining revetment within the intertidal zone.
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.): \$ 48,000
Approximate cost of that portion of the project that is channelward of mean low water:
\$ 0
13. Completion date of the proposed work: Summer-Fall 2021 - _____
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.

Phillip Pfeufer, 2956 Sand Bend Road, Virginia Beach, VA 23456

Lucy Ann Maeyer Trust, 2964 Sand Bend Road, Virginia Beach, VA 23456

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.

Kevin Heinsman

Applicant's Legal Name (printed/typed)

(Use if more than one applicant)


Applicant's Signature

(Use if more than one applicant)

3-3-21
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)

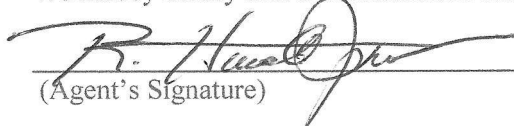
2. Applicants having agents (if applicable)

CERTIFICATION OF AUTHORIZATION

I (we), Kevin Heinsman, hereby certify that I (we) have authorized R. Harold Jones
(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)

3-3-21
(Date)


(Applicant's Signature)

(Use if more than one applicant)

3-3-21
(Date)

3. Applicant's having contractors (if applicable)

CONTRACTOR ACKNOWLEDGEMENT

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

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 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.

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.**

Create a 14' X 10' boat basin. Install a 12' X 12' boat lift with a 16' X 22' roof.

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? 22 feet.

Channelward of Mean High Water? 16.5 feet.

Channelward of Mean Low Water? 10.5 feet.

What is the area of the piers and platforms that will be constructed over

Tidal non-vegetated wetlands NA square feet.

Tidal vegetated wetlands NA square feet.

Submerged lands NA square feet.

What is the total size of any and all L- or T-head platforms? NA sq. ft.

For boathouses, what is the overall size of the roof structure? 352 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.

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:

Installation the 100 linear feet of bulkhead will accomplished landward of MHW. The two boat basin 10' return walls will extend approximately 5 feet channelward of MHW. Each wall will have a 4' return wall on the channelward end.

RE: Item 3 below: Creation of the boat basin will require the removal of a 12' wide section of the existing rock revetement. 70 sq. ft of stone will be removed from the intertidal zone and redistributed along 70 sq. ft of the existing revetment within the intertidal zone. 49 sq ft of rock will be removed ffrom the revetemnt above MHW and redistributed along 49 sq. ft of upland area along the revetment. The figures provided in section 3 below correctly reflect no net loss of rock from the intertidal zone since width and length of the intertidal zone reamins unchanged.

2. What is the maximum encroachment channelward of mean high water? 5 feet.
Channelward of mean low water? 0 feet.
Channelward of the back edge of the dune or beach? NA 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 NA 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.

ENGINEER/SURVEYOR'S INSPECTION STATEMENT
FOR
WATERFRONT CONSTRUCTION/COASTAL PRIMARY SAND DUNE PROJECTS

REVISED 10-09-03

PROJECT LOCATION: 2960 SAND BEND ROAD

APPLICANT'S NAME: KEVIN HEINSMAN

APPLICANT'S ADDRESS: 2960 SAND BEND ROAD
VIRGINIA BEACH, VA 23456

ENGINEER OF RECORD: JOHN W. BLAKE, II

PROFESSIONAL ENGINEER/SURVEYOR

CERTIFYING PROJECT

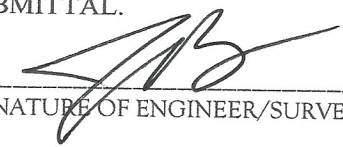
CONSTRUCTION:

JOHN W. BLAKE, II

AT THE COMPLETION OF A WATERFRONT CONSTRUCTION/COASTAL PRIMARY SAND DUNE PROJECT IT IS REQUIRED THAT A CERTIFICATION BY THE APPROVING ENGINEER/SURVEYOR BE SUBMITTED, STATING THAT THEY HAVE INSPECTED THE REFERENCED PROJECT SITE AND TO THE BEST OF THEIR KNOWLEDGE, THE WATERFRONT/COASTAL PRIMARY SAND DUNE PROJECT HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. SUCH CERTIFICATION SHALL BE SEALED BY THE ENGINEER OR SURVEYOR CERTIFYING THE CONSTRUCTION.

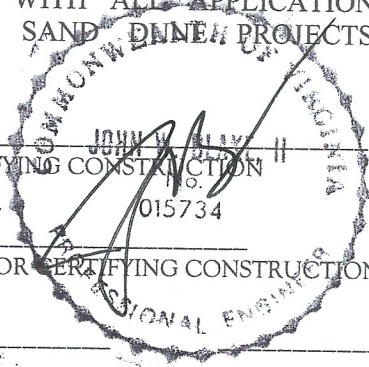
THIS FORM MUST BE COMPLETED AND RETURNED TO THE DEPARTMENT OF PLANNING, WATERFRONT OPERATIONS OFFICE WITH ALL APPLICATIONS FOR WATERFRONT CONSTRUCTION/COASTAL PRIMARY SAND DUNE PROJECTS AT THE TIME OF SUBMITTAL.

SIGNATURE OF ENGINEER/SURVEYOR CERTIFYING CONSTRUCTION



JOHN W. BLAKE, II

TYPE OR PRINT NAME OF ENGINEER/SURVEYOR CERTIFYING CONSTRUCTION



4/15/21
DATE

SIGNATURE OF APPLICANT

DATE

SIGNATURE OF COASTAL ZONE ADMINISTRATOR

DATE

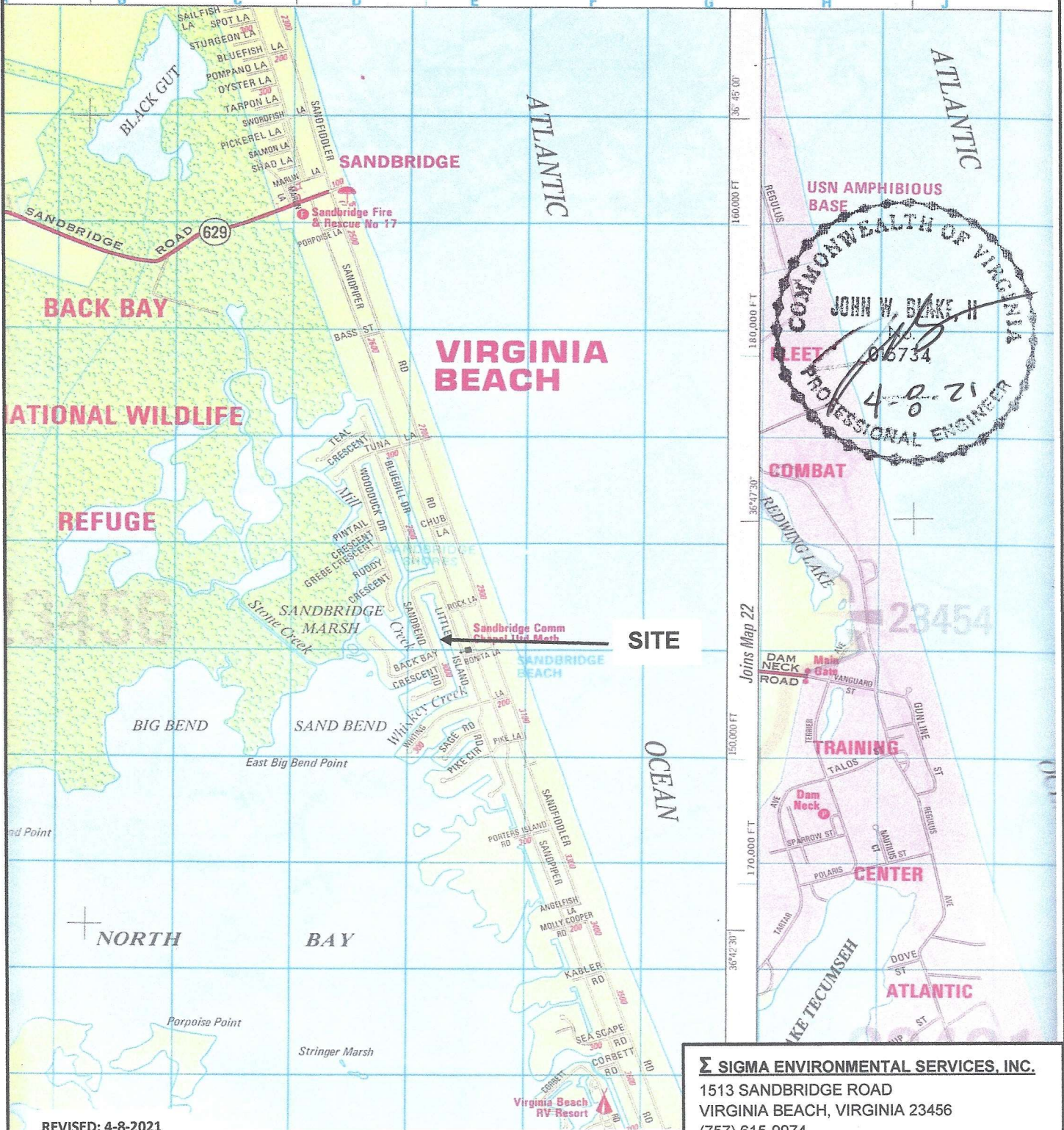
ANY ALTERATION OF THIS FORM OR ITS ENDORSEMENTS WITHOUT THE EXPRESS CONSENT FROM THE ORIGINATOR SHALL INVALIDATE THIS INSTRUMENT.

APPLICATION NO. 2021-WTRA-00083

75°57'30" Joins Inset - Right

2,750,000 FT

75°57'30"



REVISED: 4-8-2021

Σ SIGMA ENVIRONMENTAL SERVICES, INC.
 1513 SANDBRIDGE ROAD
 VIRGINIA BEACH, VIRGINIA 23456
 (757) 615-9974

APOs:

1. PHILLIP A. PFEUFER
2. LUCY ANN MAEYER TRUST

WATERWAY: NORTH BAY INLET

FOR: KEVIN HEINSMAN
 2960 SAND BEND ROAD
 VIRGINIA BEACH, VA 23456

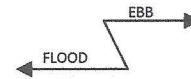
PROJECT: BULKHEADED BOAT BASIN, COVERED BOAT LIFT

DATUM: 0.00' MLW = -1.3' NAVD 1988

DATE: MARCH 3, 2021 SHEET 1 OF 4

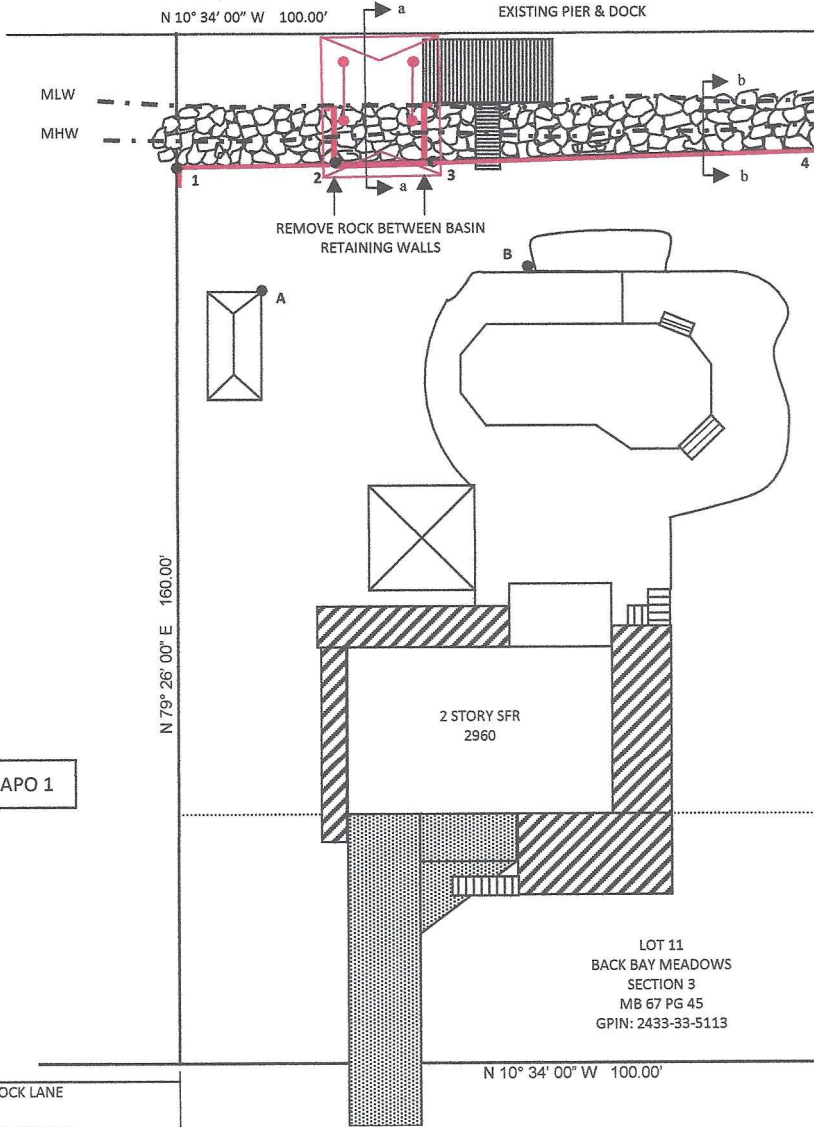
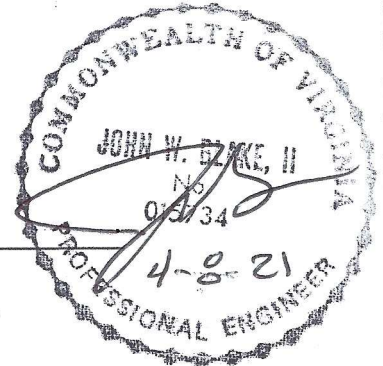
**PLAN VIEW
SCALE: 1" = 30'**

NORTH BAY INLET
100' R/W (MB 67 PG 45)



WATERWAY WIDTH = 127'

PROPOSED BOAT BASIN &
COVERED BOAT LIFT



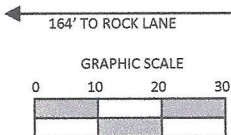
- INSTALL 100' OF VINYL BULKHEAD BEHIND AND PARALLEL TO ROCK REVETEMENT KICK BOARD --WITH TWO 6' RETURNS
- INSTALL TWO 10' BASIN WALLS WITH 4' OUTBOARD RETURN WALL ON EACH
- INSTALL 12' X 12' BOAT LIFT WITH 16' X 22' ROOF
- REMOVE ROCK REVETEMENT INSIDE BOAT BASIN AND RELOCATE ROCK ACROSS REMAINING REVETEMENT IN THE INTERIDAL ZONE
- REMOVE 70 FT² OF ROCKY INTERIDAL AREA AND REDISTRIBUTE ACROSS 70 SQ. FT. OF EXISTING INTERIDAL ZONE
- REMOVE 49 FT² OF ROCKY UPLAND AREA AND REDISTRIBUTE ROCK ACROSS 49 FT² IN EXISTING INTERIDAL AREA

TIE DOWNS

A-1	27' 7"
A-2	22' 10"
A-3	32' 4"
A-4	89' 4"
B-1	56' 4"
B-2	34' 0"
B-3	22' 8"
B-4	47' 10"
A-B	42' 4"

APO 1

APO 2



REVISED: 4-8-2021

Σ SIGMA ENVIRONMENTAL SERVICES, INC.
1513 SANDBRIDGE ROAD
VIRGINIA BEACH, VIRGINIA 23456

APOs

1. PHILLIP A. PFEUFER
2. LUCY ANN MAEYER TRUST

LOCATION: NORTH BAY INLET

**FOR: KEVIN HEINSMAN
2960 SAND BEND ROAD
VIRGINIA BEACH, VA 23456**

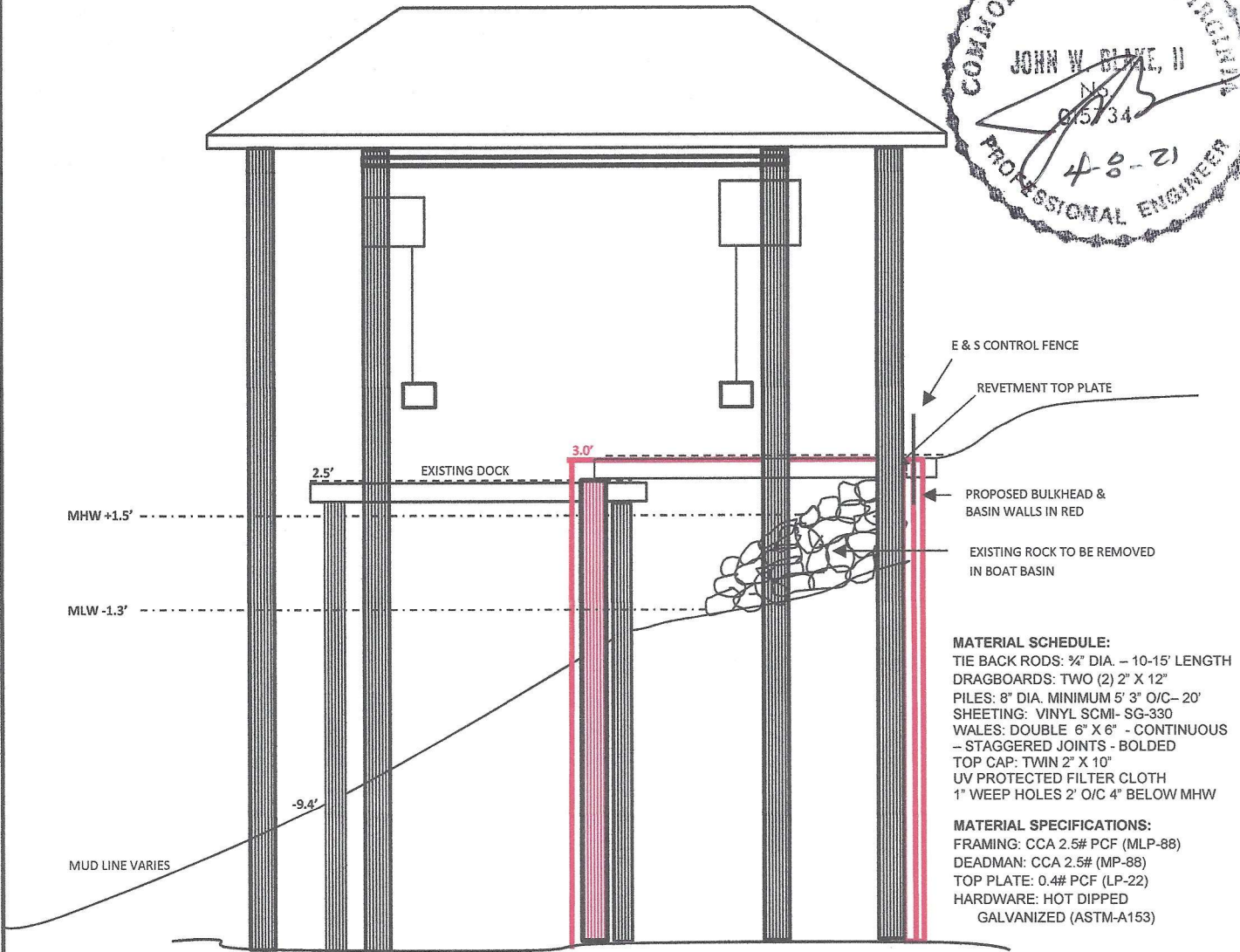
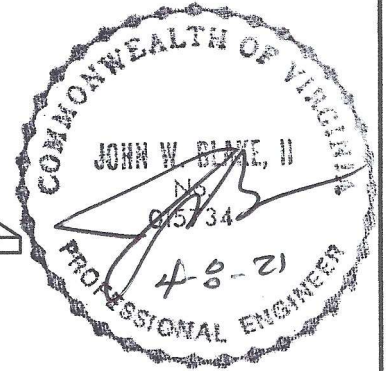
**PROJECT: BULKHEADED BOAT BASIN,
COVERED BOAT LIFT**

DATUM: 0.00' = MLW = -1.3' NAVD 1988

DATE: MARCH 3, 2021 SHEET 2 OF 4

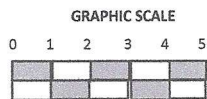
CROSS SECTION a-a

SCALE: 1" = 5'



MATERIAL SCHEDULE:
 TIE BACK RODS: 3/4" DIA. - 10-15' LENGTH
 DRAGBOARDS: TWO (2) 2" X 12"
 PILES: 8" DIA. MINIMUM 5' 3" O/C - 20'
 SHEETING: VINYL SCMI- SG-330
 WALES: DOUBLE 6" X 6" - CONTINUOUS
 - STAGGERED JOINTS - BOLDED
 TOP CAP: TWIN 2" X 10"
 UV PROTECTED FILTER CLOTH
 1" WEEP HOLES 2' O/C 4" BELOW MHW

MATERIAL SPECIFICATIONS:
 FRAMING: CCA 2.5# PCF (MLP-88)
 DEADMAN: CCA 2.5# (MP-88)
 TOP PLATE: 0.4# PCF (LP-22)
 HARDWARE: HOT DIPPED GALVANIZED (ASTM-A153)



REVISED: 4-8-2021

SIGMA ENVIRONMENTAL SERVICES, INC.
 1513 SANDBRIDGE ROAD
 VIRGINIA BEACH, VIRGINIA 23456

APOs:
 1. PHILLIP A. PFEUFER
 2. LUCY ANN MAEYER TRUST

LOCATION: NORTH BAY INLET
FOR: KEVIN HEINSMAN
 2960 SAND BEND ROAD
 VIRGINIA BEACH, VA 23456

PROJECT: BULKHEADED BOAT BASIN,
 COVERED BOAT LIFT
DATUM: 0.00' MLW = -1.3' NAVD 1988
DATE: MARCH 3, 2021 SHEET 3 OF 4

CROSS SECTION b-b

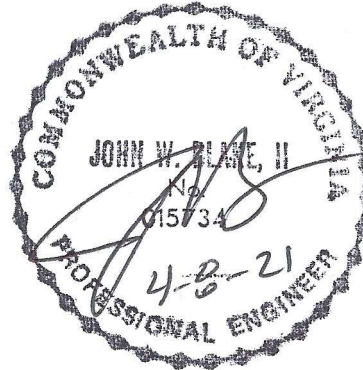
SCALE: 1" = 5'

MATERIAL SCHEDULE:

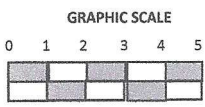
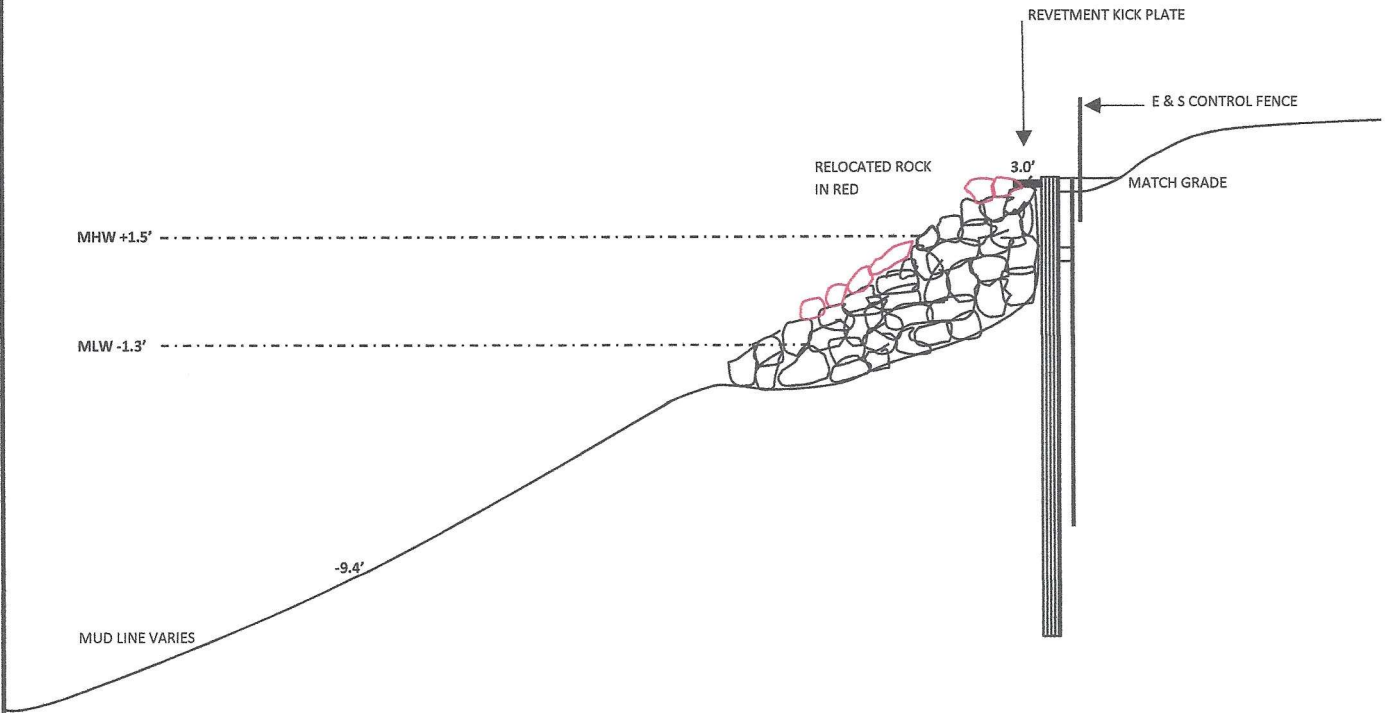
TIE BACK RODS: 3/4" DIA. - 10-15' LENGTH
 DRAGBOARDS: TWO (2) 2" X 12"
 PILES: 8" DIA. MINIMUM 5' 3" O/C - 20'
 SHEETING: VINYL SCMI-SG-330
 WALES: DOUBLE 6" X 6" - CONTINUOUS
 - STAGGERED JOINTS - BOLDED
 TOP CAP: TWIN 2" X 10"
 UV PROTECTED FILTER CLOTH
 1" WEEP HOLES 2' O/C 4" BELOW MHW

MATERIAL SPECIFICATIONS:

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 DEADMAN: CCA 2.5# (MP-88)
 TOP PLATE: 0.4# PCF (LP-22)
 HARDWARE: HOT DIPPED
 GALVANIZED (ASTM-A153)



25



REVISED: 4-8-2021

SIGMA ENVIRONMENTAL SERVICES, INC.
 1513 SANDBRIDGE ROAD
 VIRGINIA BEACH, VIRGINIA 23456

APOs:

1. PHILLIP A. PFEUFER
2. LUCY ANN MAEYER TRUST

LOCATION: NORTH BAY INLET

FOR: KEVIN HEINSMAN
 2960 SAND BEND ROAD
 VIRGINIA BEACH, VA 23456

PROJECT: BULKHEADED BOAT BASIN,
 COVERED BOAT LIFT

DATUM: 0.00' MLW = -1.3' NAVD 1988

DATE: MARCH 3, 2021 SHEET 4 OF 4

March 3, 2021

Lucy Ann Maeyer Trust
2964 Sand Bend Road
Virginia Beach, VA 23456

**RE: Waterfront Improvements
At: 2960 Sand Bend Road
Virginia Beach, Virginia 23456**

Dear Ms. Maeyer:

Sigma Environmental Services, Inc. has been retained by Mr. Kevin Heinsman to obtain all necessary permits and approvals for installation of a bulkhead landward of an existing rock revetment, creation of a boat basin, and a covered boat lift on his property located at 2960 Sand Bend Road, Virginia Beach, Virginia. This letter is to notify you of the improvements proposed by Mr. Heinsman and requests your input on the project.

The attached plan view drawing reflects the location and alignment of the proposed improvements. I have also enclosed an Adjacent Property Owner's Acknowledgement Form. Please complete the form and return it in the enclosed stamped envelope addressed to the Virginia Marine Resources Commission.

Should you have any questions regarding this project, please feel free to call me at business cell (757) 615-9974. Thank you for your assistance in this matter.

Sincerely,



R. Harold Jones, PWS, Emeritus
President

CC: Mr. Kevin Heinsman

Part 2 – Signatures (continued)

ADJACENT PROPERTY OWNER’S ACKNOWLEDGEMENT FORM

I (we), Lucy Ann Maeyer Trust, own land next to (across the water
(Print adjacent/nearby property owner’s name)

from/on the same cove as) the land of Kevin Heinsman.
(Print applicant’s name(s))

I have reviewed the applicant’s project drawings dated March 3, 2021
(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)

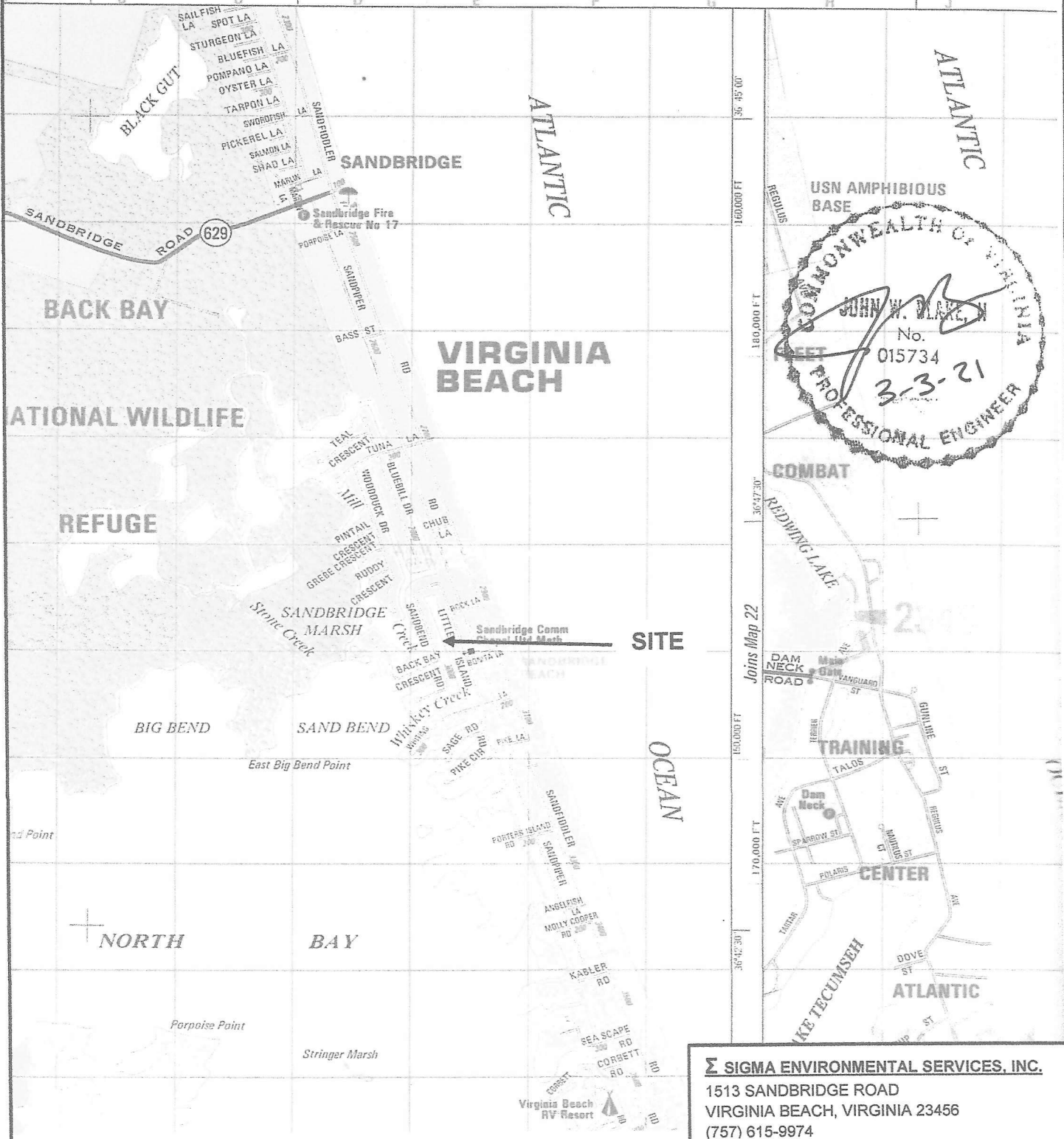
Date

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.

75°57'30" Joins Inset - Right

2,750,000 FT

75°57'30"



COMMONWEALTH OF VIRGINIA
 JOHN W. BLAKEN
 No. 015734
 3-3-21
 PROFESSIONAL ENGINEER

Σ SIGMA ENVIRONMENTAL SERVICES, INC.
 1513 SANDBRIDGE ROAD
 VIRGINIA BEACH, VIRGINIA 23456
 (757) 615-9974

APOs:

1. PHILLIP A. PFEUFER
2. LUCY ANN MAEYER TRUST

WATERWAY: NORTH BAY INLET

FOR: KEVIN HEINSMAN
 2960 SAND BEND ROAD
 VIRGINIA BEACH, VA 23456

PROJECT: BULKHEADED BOAT BASIN, COVERED BOAT LIFT

DATUM: 0.00' MLW = -1.3' NAVD 1988

DATE: MARCH 3, 2021 SHEET 1 OF 3

March 3, 2021

Phillip Pfeufer
2956 Sand Bend Road
Virginia Beach, VA 23456

**RE: Waterfront Improvements
At: 2960 Sand Bend Road
Virginia Beach, Virginia 23456**

Dear Mr. Pfeufer:

Sigma Environmental Services, Inc. has been retained by Mr. Kevin Heinsman to obtain all necessary permits and approvals for installation of a bulkhead landward of an existing rock revetment, creation of a boat basin, and a covered boat lift on his property located at 2960 Sand Bend Road, Virginia Beach, Virginia. This letter is to notify you of the improvements proposed by Mr. Heinsman and requests your input on the project.

The attached plan view drawing reflects the location and alignment of the proposed improvements. I have also enclosed an Adjacent Property Owner's Acknowledgement Form. Please complete the form and return it in the enclosed stamped envelope addressed to the Virginia Marine Resources Commission.

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Sincerely,



R. Harold Jones, PWS, Emeritus
President

CC: Mr. Kevin Heinsman

Part 2 – Signatures (continued)

ADJACENT PROPERTY OWNER'S ACKNOWLEDGEMENT FORM

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

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

I have reviewed the applicant's project drawings dated March 3, 2021
(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)

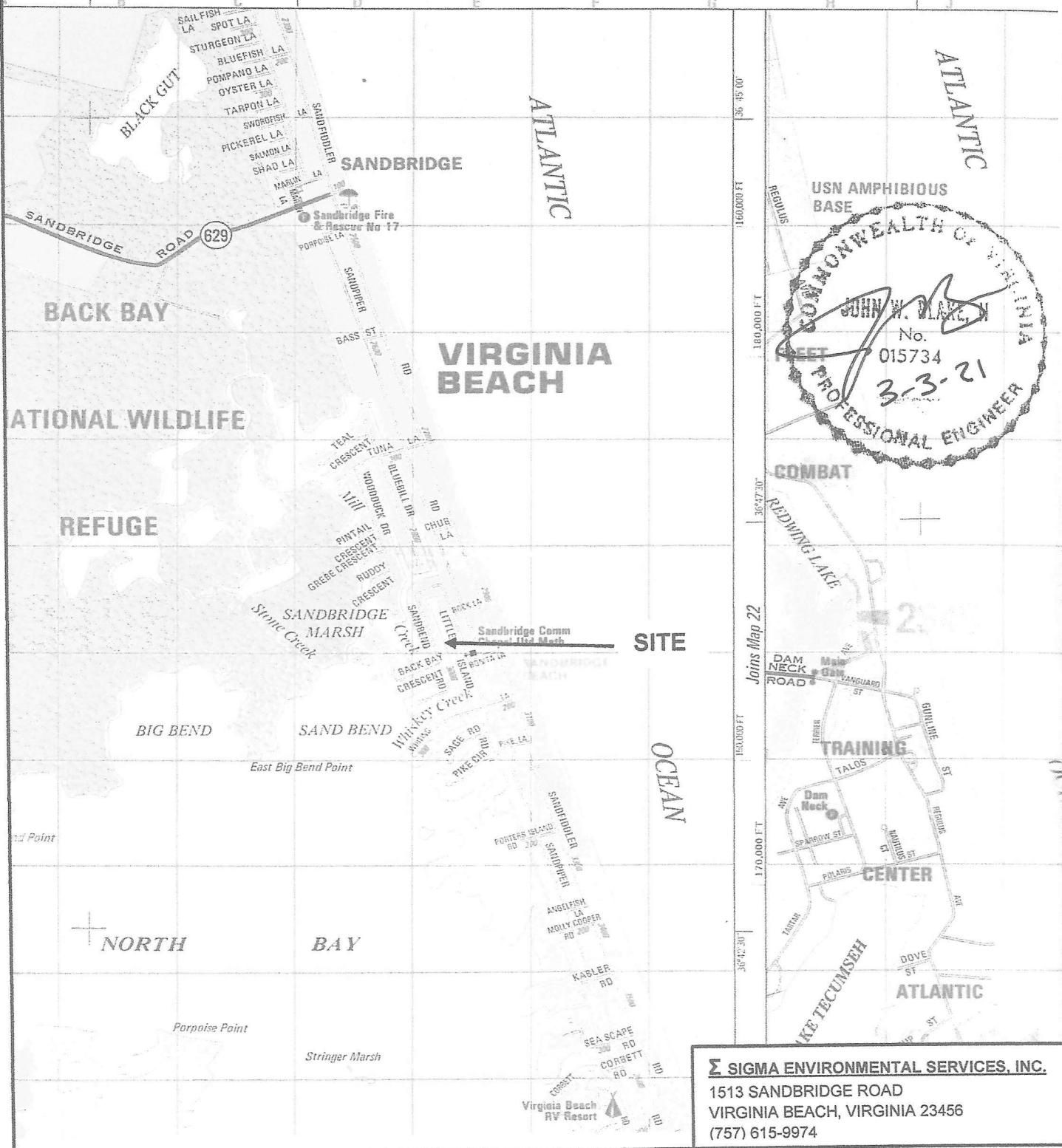
Date

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75°57'30" Joins Inset - Right

2,750,000 FT

75°57'30"



Σ SIGMA ENVIRONMENTAL SERVICES, INC.
 1513 SANDBRIDGE ROAD
 VIRGINIA BEACH, VIRGINIA 23456
 (757) 615-9974

APOs:

1. PHILLIP A. PFEUFER
2. LUCY ANN MAEYER TRUST

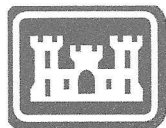
WATERWAY: NORTH BAY INLET

FOR: KEVIN HEINSMAN
 2960 SAND BEND ROAD
 VIRGINIA BEACH, VA 23456

**PROJECT: BULKHEADED BOAT BASIN,
 COVERED BOAT LIFT**

DATUM: 0.00' MLW = -1.3' NAVD 1988

DATE: MARCH 3, 2021 SHEET 1 OF 3



U.S. Army Corps
Of Engineers
Norfolk District

REGIONAL PERMIT 17 CHECKLIST

Expires: September 5, 2023

Please review the 18-RP-17 enclosure before completing this form and note 18-RP-17 can only be used for proposed PRIVATE USE structure(s) that comply with the terms and conditions of 18-RP-17. Copies can be obtained online at <http://www.nao.usace.army.mil/Missions/Regulatory/RBregional/>.

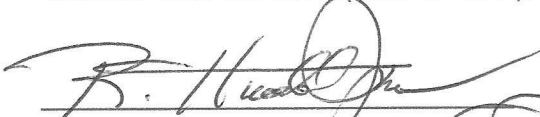
- YES NO (1) Has the permittee reviewed the 18-RP-17 enclosure and verified that the proposed structure(s) is in compliance with all the terms, conditions, and limitations of 18-RP-17?
- YES NO (2) Does the proposed structure(s) extend no more than one-fourth of the distance across the waterway measured 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 (3) Does the proposed structure(s) extend no more than 300 feet from MHW or OHW (including all channelward wetlands)?
- YES NO N/A (4) Does the proposed structure(s) attach to the upland at a point landward of MHW or OHW (including all channelward wetlands)?
- YES NO N/A (5) If the proposed structure(s) crosses wetland vegetation, is it 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 (6) Does the proposed structure(s) include no more than two (2) boatlifts and no more than two (2) boat slips?
- YES NO N/A (7) Is the open-sided roof structure designed to shelter a boat \leq 700 square feet and/or is the open sided roof structure or gazebo structure designed to shelter a pier \leq 400 square feet?
- YES NO N/A (8) Are all piles associated with the proposed structure(s) non-steel, less than or equal to 12" in diameter, and will less than or equal to 25 piles be installed channelward of MHW?
- YES NO N/A (9) Is all work occurring behind cofferdams, turbidity curtains, or other methods to control turbidity being utilized when operationally feasible and federally listed threatened or endangered species may be present?
- YES NO N/A (10) If the proposed structure(s) is to be located within an anadromous fish use area, the prospective permittee will 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 is less 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 is less than 384 feet between the most channelward pile and MLW on the opposite shoreline.
- YES NO (11) 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?
- YES NO (12) Has the permittee ensured the construction and/or installation of the proposed structure(s) will not affect federally listed threatened or endangered species or designated critical habitat?
- YES NO (13) Will the proposed structure be located outside of Broad Creek in Middlesex County, Fisherman's Cove in Norfolk, or the Salt Ponds in Hampton?
- YES NO (14) Will the proposed structure(s) be located outside of the waterways containing a Federal Navigation Project listed in Permit Specific Condition 12 of 18-RP-17 and/or will all portions of the proposed structure(s) be located more than 85 feet from the Federal Navigation Project?

- YES NO (15) Will the proposed structure(s) be located outside a USACE Navigation and Flood Risk Management project area?
- YES NO (16) Will the proposed structure(s) be located outside of any Designated Trout Waters?
- YES NO N/A (17) If the proposed structure(s) includes flotation units, will the units be made of materials that will not become waterlogged or sink if punctured?
- YES NO N/A (18) If the proposed structure(s) includes flotation units, will the floating sections be braced so they will not rest on the bottom during periods of low water?
- YES NO (19) Is the proposed structure(s) made of suitable materials and practical design so as to reasonably ensure a safe and sound structure?
- YES NO (20) Will the proposed structure(s) be located on the property in accordance with the local zoning requirements?
- YES NO N/A (21) If the proposed structure(s) includes a device used for shellfish gardening, will the device be attached directly to a pier and limited to a total of 160 square feet?
- YES NO N/A (22) If the proposed structure(s) includes a device used for shellfish gardening, does the permittee recognize this RP does not negate their responsibility to obtain an oyster gardening permit (General Permit #3) from Virginia Marina Resources Commission's Habitat Management Division?
- YES NO (23) Does the permittee recognize this RP does not authorize any dredging or filling of waters of the United States (including wetlands) and does not imply that future dredging proposals will be approved by the Corps?
- YES NO (24) Does the permittee understand that by accepting 18-RP-17, the permittee accepts all of the terms and conditions of the permit, including the limits of Federal liability contained in the 18-RP-17 enclosure? Does the permittee acknowledge that the structures permitted under 18-RP-17 may be exposed to waves caused by passing vessels and that the permittee is solely responsible for the integrity of the structures permitted under 18-RP-17 and the exposure of such structures and vessels moored to such structures to damage from waves? Does the permittee accept that the United States is not liable in any way for such damage and that it shall not seek to involve the United States in any actions or claims regarding such damage?

IF YOU HAVE ANSWERED "NO" TO ANY OF THE QUESTIONS ABOVE, REGIONAL PERMIT 17 (18-RP-17) DOES NOT APPLY AND YOU ARE REQUIRED TO OBTAIN WRITTEN AUTHORIZATION FROM THE CORPS PRIOR TO PERFORMING THE WORK.

IF YOU HAVE ANSWERED "YES" (OR "N/A", WHERE APPLICABLE) TO ALL OF THE QUESTIONS ABOVE, YOU ARE IN COMPLIANCE WITH REGIONAL PERMIT 17 (18-RP-17). PLEASE SIGN BELOW, ATTACH, AND SUBMIT THIS CHECKLIST WITH YOUR COMPLETED JOINT PERMIT APPLICATION (JPA). THIS SIGNED CERTIFICATE 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.

I CERTIFY THAT I HAVE READ AND UNDERSTAND ALL CONDITIONS OF THE REGIONAL PERMIT 17 (18-RP-17), DATED SEPTEMBER 2018, ISSUED BY THE US ARMY CORPS OF ENGINEERS, NORFOLK DISTRICT REGULATORY BRANCH (CENAO-WRR), NORFOLK, VIRGINIA.


 Signature of Property Owner(s) or Agent

Date 3-3-21

Proposed work to be located at:
2960 Sand Bend Road

Virginia Beach, VA

VMRC Number: _____