From: Craig Palubinski
To: MRC - jpa Permits
Subject: Aberdene Aquatic, LLC jpa
Date: Monday, June 17, 2024 11:40:12 AM
Attachments: Aberdene Aquatic, LLC jpa.pdf
Aberdene Aquatic, LLC permit drawings.pdf

24060116P

Good morning Beth and Michele,

Please find attached a jpa and permit drawings for Aberdene Aquatic, LLC – Commercial wharf rehabilitation project in Gloucester County.

Thanks,
Craig

- 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 # 2024-1420

APPLICANTS
Part 1 – General Information

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

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

County or City in which the project is located: GLOUCESTER COUNTY
Waterway at project site: ABERDEEN CREEK

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federal, state, and local pre application coordination, site visits, previous permits, or applications whether issued, withdrawn, or denied)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
ALL	BULKHEAD, DREDGING & PIERS	VMRC #23-1372	6-12-24	TO BE WITHDRAWN

Part 1 - General Information (continued)

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

ABERDENE AQUATIC, LLC
C/O MARIE L. KNAPP - MEMBER
3595 GEORGE WASHINGTON MEM. HWY.
HAYES, VA 23072

Home (___)_____
Work (804)642-9400
Fax (___)_____
Cell (___)_____
e-mail mknapp@17m2.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:

SAME AS APPLICANT

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:

BAYSHORE DESIGN, LLC
CRAIG PLAUBINSKI
8518 COPLE HIGHWAY
HAGUE, VA 22469

Home (___)_____
Work (804)472-4439
Fax (___)_____
Cell (804)761-9672
e-mail craigp@bayshoredesign.com

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

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

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

PROPOSED COMMERCIAL WHARF REHABILITATION PROJECT TO INCLUDE:
- REMOVE DETERIORATED BULKHEAD, PIERS AND MOORING PILES.
- CONSTRUCT A 188' REPLACEMENT VINYL BULKHEAD AT AND LANDWARD OF EXISTING BULKHEAD TO BE REMOVED.
- DREDGE NEARSHORE BOTTOM (ADJACENT TO BULKHEAD) TO (-) 4' MEAN LOW WATER (MLW) DEPTH. TOTAL VOLUME OF DREDGING = 385 C.Y.. ALL DREDGE MATERIAL TO BE DE-WATERED IN CONTAINMENT AREA ON SITE, THEN (ONCE DE-WATERED) TRANSPORT DREDGE MATERIAL (BY TRUCK) TO AN APPROVED UPLAND DISPOSAL SITE (SAND AND GRAVEL PIT).
- CONSTRUCT A 166' RIP-RAP SILL WITH 75 C.Y. BEACH NOURISHMENT WITH 1,600 S.F. WETLANDS VEGETATION PLANTINGS.
- CONSTRUCT A 16' X 40' COMPACTED OYSTER SHELL - SMALL BOAT LAUNCH.
- CONSTRUCT (3) FLOATING PIERS (WITH OPEN PILE WALKWAYS AND GANGWAYS) WITH 34 SLIPS (TOTAL).

Part 1 - General Information (continued)

5. Have you obtained a contractor for the project? ___ Yes* X No. *If your answer is "Yes" complete the remainder of this question and submit the Applicant's and Contractor's Acknowledgment Form (enclosed)
   Contractor's name* and complete mailing address:

   Contact Information:
   Home (___)_____
   Work (___)_____
   Fax (___)_____
   Cell (___)_____
   email _____

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

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

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

   Name and complete mailing address:
   GLOUCESTER-MATHEWS GAZETTE JOURNAL
   P.O. BOX 2060 GLOUCESTER, VA 23061

   Telephone number
   (804) 693-3101

7. Give the following project location information:
   Street Address (911 address if available) 3923 ABERDEEN CREEK ROAD GLOUCESTER,VA 23061
   Lot/Block/Parcel# ~~PARCEL 49 - TAX MAP 39~~ 37-49 RPC: 12871
   Subdivision ABERDEEN CREEK COMMERCIAL LANDING
   City / County GLOUCESTER COUNTY ZIP Code 23061
   Latitude and Longitude at Center Point of Project Site (Decimal Degrees):
   37.342959 DEG. / -76.591286 DEG. (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.*

   GLOUCESTER, RT. 17 SOUTH TO WHITE MARSH; RIGHT ONTO RT. 614 (HICKORY FORK ROAD); LEFT ONTO RT. 632 (ABERDEEN CREEK ROAD) AND FOLLOW TO #3923 AT THE END.

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."

   - STABILIZE SHORELINE
   - IMPROVE NAVIGATION AND PROVIDE MOORING FOR COMMERCIAL FISHING AND WORK VESSELS.

Part 1 - General Information (continued)

9. Proposed use (check one):
   ___ Single user (private, non-commercial, residential)
   X 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.*

    SEE DRAWING SET

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

12. Approximate cost of the entire project (materials, labor, etc.): $335,000
    Approximate cost of that portion of the project that is channelward of mean low water:
    $230,000

13. Completion date of the proposed work: SUMMER-FALL -2027

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.

    PARCEL 50:
    GLOUCESTER COUNTY PUBLIC LANDING
    6489 MAIN STREET, SUITE 333
    GLOUCESTER, VA 23061

    PARCEL 57K:
    PTL PROPERTIES, LLC
    9084 JOHN CLAYTON MEMORIAL HIGHWAY
    GLOUCESTER, VA 23061

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.

ABERDENE AQUATIC, LLC

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

Maria L Knapp

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

JUNE 12, 2024

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), ABERDENE AQUATIC, LLC, hereby certify that I (we) have authorized CRAIG PALUBINSKI
(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)

JUNE 12, 2024
(Date)

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

JUNE 12, 2024
(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.**

   CONSTRUCT (3) COMMERCIAL FLOATING PIERS WITH A TOTAL OF 34 SLIPS.

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

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

Part 3 – Appendices (continued)

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

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

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

Type	Length	Width	Draft	Registration #

5. For **Marinas, Commercial Piers, Governmental Piers, Community Piers and other non-private piers,** provide the following information:
   A) Have you obtained approval for sanitary facilities from the Virginia Department of Health? IN PROCESS (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? NO.
   C) Will the facility be equipped to off-load sewage from boats? YES
   D) How many wet slips are proposed? 34. How many are existing? 4 (TO BE REMOVED)
   E) What is the area of the piers and platforms that will be constructed over
      Tidal non-vegetated wetlands 96 square feet
      Tidal vegetated wetlands 80 square feet
      Submerged lands 3,726 square feet

6. For **boat ramps,** what is the overall length of the structure? 40 feet.
   From Mean High Water? 35 feet.
   From Mean Low Water? 20 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.

REPLACEMENT BULKHEAD

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/coastnl_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:

   CONSTRUCT A 188' REPLACEMENT VINYL BULKHEAD AT AND LANDWARD OF EXISTING TIMBER BULKHEAD TO BE REMOVED.

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? N/A feet.

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

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

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

   HEAVY GRADE, CORRUGATED, INTERLOCKING VINYL SHEET PANELS.

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

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

   - Volume of material
     - N/A cubic yards channelward of mean low water
     - N/A cubic yards landward of mean low water
     - N/A cubic yards channelward of mean high water
     - N/A cubic yards landward of mean high water
   - Area to be covered
     - N/A square feet channelward of mean low water
     - N/A square feet landward of mean low water
     - N/A square feet channelward of mean high water
     - N/A square feet landward of mean high water
   - Source of material, composition (e.g. 90% sand, 10% clay): N/A
   - Method of transportation and placement:

     N/A
   - 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:

     NONE PROPOSED

RIP-RAP SILL

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:

   CONSTRUCT A 166' RIP-RAP SILL WITH 75 C.Y. BEACH NOURISHMENT AND 1,600 S.F WETLANDS VEGETATION PLANTINGS.

2. What is the maximum encroachment channelward of mean high water? 28 feet.
   Channelward of mean low water? 12 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 30 square feet
   - Subaqueous bottom 1,630 square feet
   - Dune and/or beach 0 square feet

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

   If yes, will the construction of the new bulkhead be no further than two (2) feet channelward of the existing bulkhead? ____ Yes N/A 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.

   QUARRY STONE OVER FILTER CLOTH

6. If using stone, broken concrete, etc. for your structure(s), what is the average weight of the:
   Core (inner layer) material 3-25 pounds per stone Class size GABION
   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
     - 0 cubic yards channelward of mean low water
     - 75 cubic yards landward of mean low water
     - 55 cubic yards channelward of mean high water
     - 20 cubic yards landward of mean high water
   - Area to be covered
     - 0 square feet channelward of mean low water
     - 1,600 square feet landward of mean low water
     - 1,200 square feet channelward of mean high water
     - 400 square feet landward of mean high water
   - Source of material, composition (e.g. 90% sand, 10% clay): UPLAND SOURCE, 90% SAND
   - Method of transportation and placement:
     TRUCK AND EXCAVATOR
   - 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:

     SPARTINA ALTERNIFLORA AND SPARTINA PATENS

APPENDIX J - DREDGING, MINING, & EXCAVATING

Questions:

1. Complete the table below with the volumes (cu. yds.) and areas (sq. ft.) of material to be removed from waters by each method, for each category:

NEW (MECHANICAL)

	Hydraulic	Dragline	Clamshell	Other
Vegetated Wetlands*			0	
Nonveg. Wetlands*			0	
Subaqueous Land*			160 C.Y. 3,605 S.F	
Totals:			160 C.Y.	

* Report tidal and/or nontidal

3,605 S.F.

MAINTENANCE

Hydraulic	Dragline	Clamshell	Other
		UPLAND	
		226 C.Y 675 S.F	
		226 C.Y	

675 S.F.

2. State the composition of the material (e.g. clay 25%, sand 25%, silt 50%): SILT, OYSTER SHELL AND SAND

3. How will the dredged material be retained to prevent re-entry into the waterway?
DISPOSED IN AN APPROVED UPLAND DISPOSAL SITE

4. Will the dredged material be used for any commercial purpose? __ Yes X No

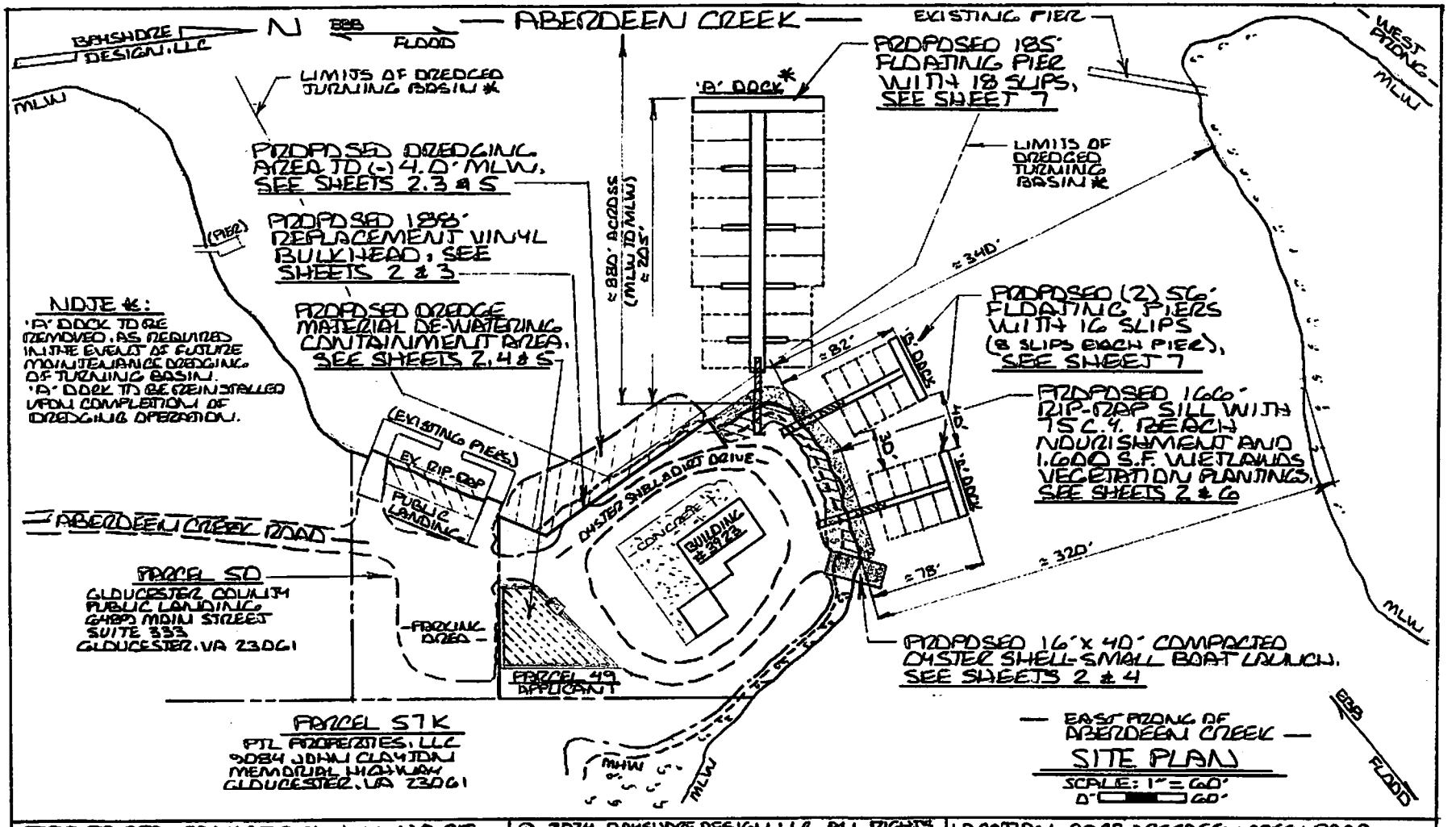
5. For mining projects: Explain the operation plans on a separate sheet of paper. Include the frequency (e.g. every 6 wks), duration (e.g. Apr - Sep), and volume (cu. yds.) to be removed per operation; the temporary storage and handling methods of dredged material; and how equipment will access the dredge site. Have you applied for a permit from the VA Dept of Mines, Minerals, & Energy?
__ Yes __ No N/A

6. For maintenance dredging projects: When was dredging last performed? _____
Provide permit number _____. Attach a copy of the permit. _____

7. What is the approximate drainage area and average stream flow? _____sq mi _____cfs

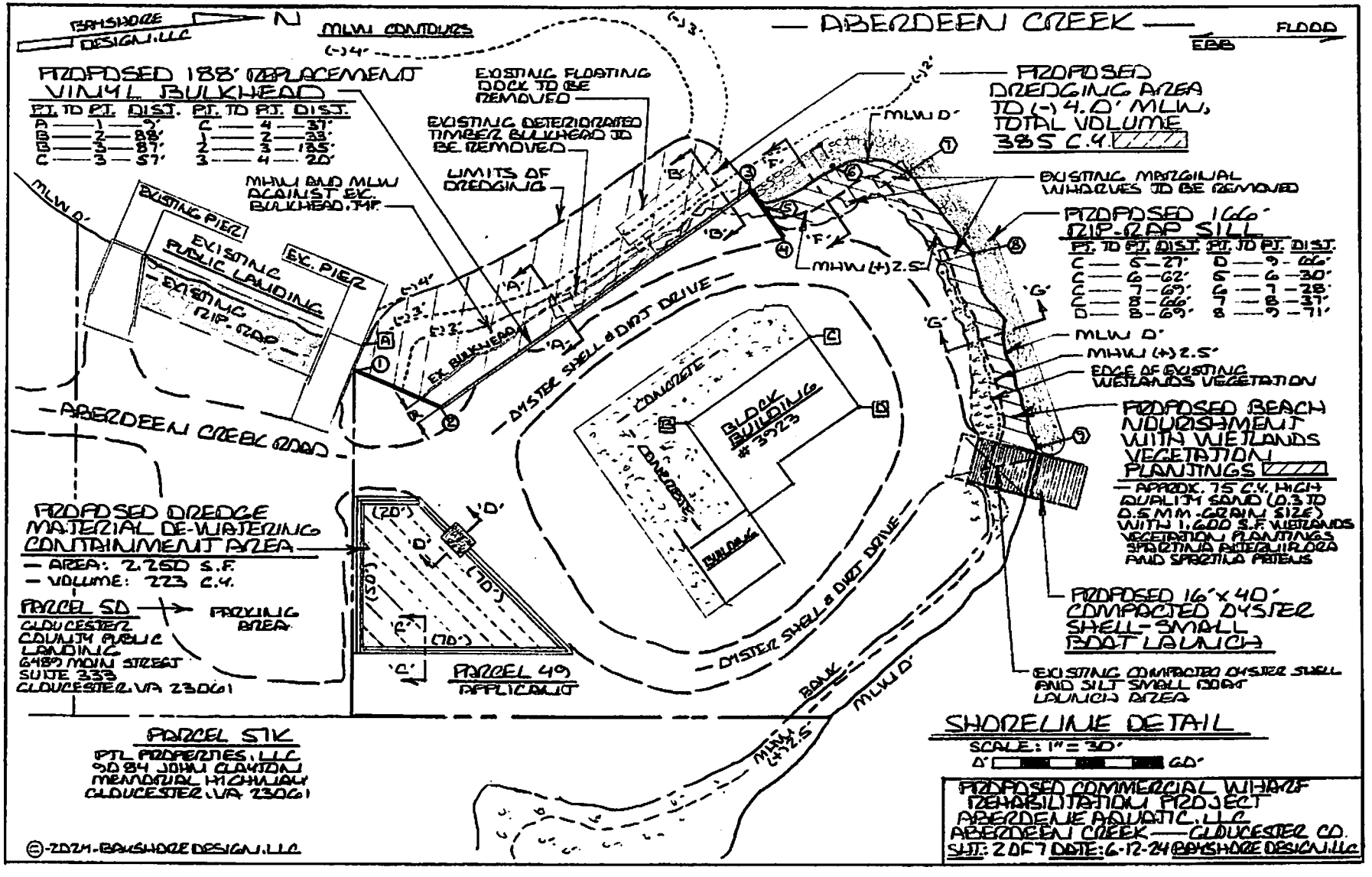
Specific Information for Plan View Drawing:

- width of the waterway, measuring from mean high water to mean high water (tidal areas) or ordinary high water to ordinary high water (nontidal areas)
- location and dimensions of area proposed to be dredged
- location of existing channels
- location of dredged material disposal area if located on-site** (for off-site areas: Provide a drawing
- that includes the location, dimensions, benchmarks, berms, and/or spillways. Also provide an explanation of how the material will be transported, including the location of the proposed transfer site(s). For non-commercially owned/operated disposal areas, attach local approvals for proposed disposal areas.
- location and dimensions of buffer zone between dredge cut and vegetated wetlands
- existing and proposed depths in the project area based on mean low water (tidal) or ordinary high water (nontidal)

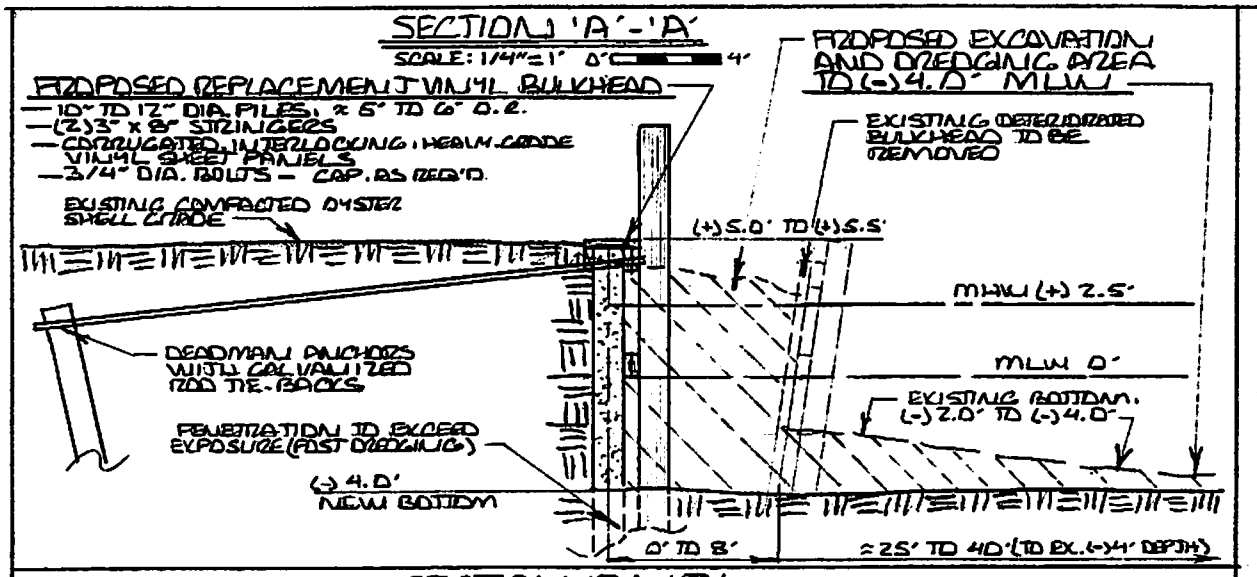


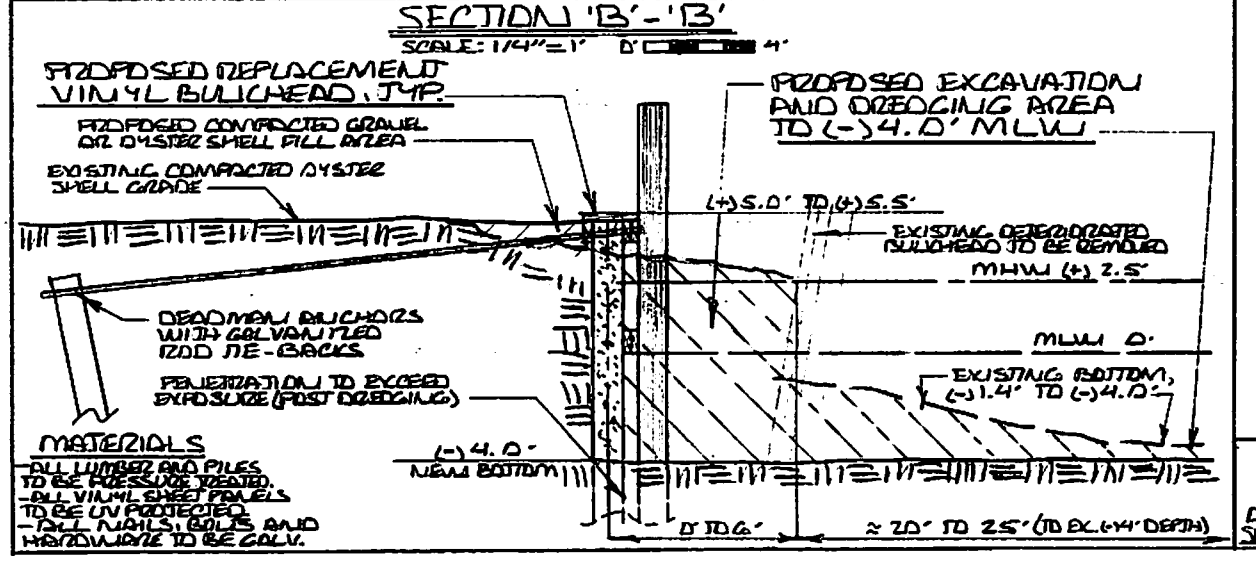
PROPOSED COMMERCIAL WHARF REHABILITATION PROJECT
ABERDEENE AQUATIC, LLC
3595 GEORGE WASHINGTON MEMORIAL HIGHWAY
HAYES, VIRGINIA 23072

LOCATION: 3923 ABERDEEN CREEK ROAD - GLOUCESTER, PARCEL 49 - ABINGTON
DISTRICT TAX MAP 39, GLOUCESTER CO., VA
SHT.: 1 OF 7 DATE: 6-12-24 BAYSHORE DESIGN, LLC



Received by VMRC June 17, 2024 map





MATERIALS

- ALL LUMBER AND PILES TO BE PRESSURE TREATED.
- ALL VINYL SHEET PANELS TO BE UV PROTECTED.
- ALL NAILS, BOLTS AND HARDWARE TO BE GALV.

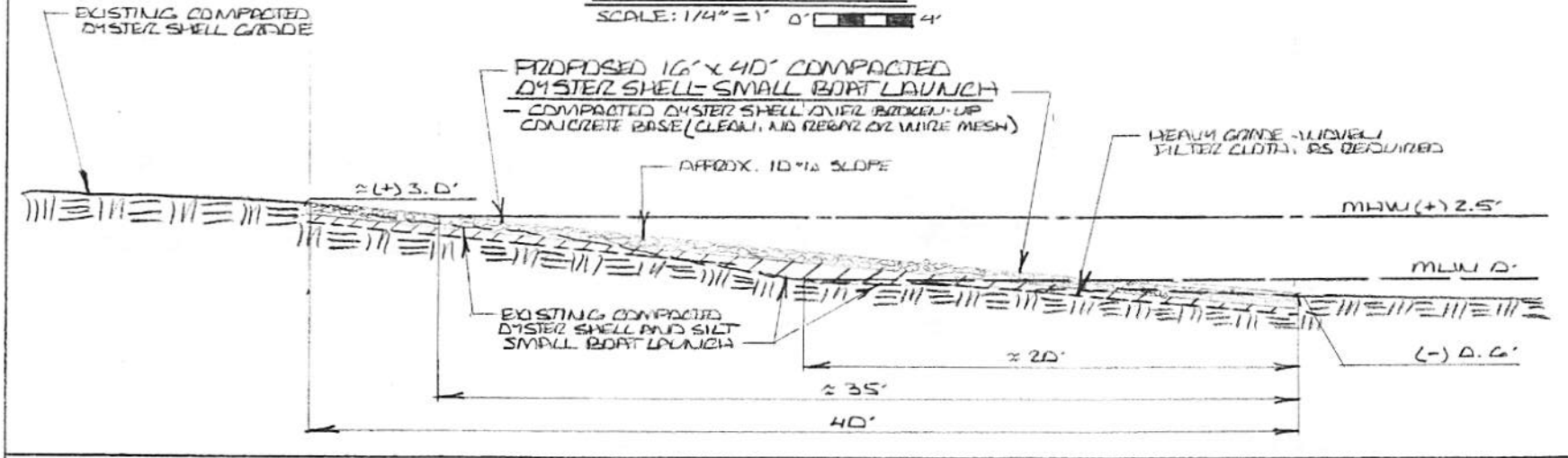
DREDGING NOTES

1. **DREDGING AMOUNT:**
   - SUBAQUEOUS BOTTOM: 160 C.Y.
   - INTERTIDAL BOTTOM: 0 C.Y.
   - UPLAND: 225 C.Y.
   - TOTAL = 385 C.Y.
2. **DREDGING AREA:**
   - SUBAQUEOUS BOTTOM: 3,605 S.F.
   - INTERTIDAL BOTTOM: 0 S.F.
   - UPLAND: 675 S.F.
   - TOTAL = 4,280 S.F.
3. **DREDGING DEPTH:**
   - (-) 4.0' MEAN LOW WATER (MLW)
4. **DREDGE MATERIAL:**
   - SILT, OYSTER SHELL AND SAND
5. **DREDGE METHOD:**
   - MECHANICAL EXCAVATOR POSITIONED ON THE UPLAND. DREDGE MATERIAL TO BE TRANSPORTED AND UNLOADED INTO MATERIAL DE-WATERING CONTAINMENT AREA ON SITE.
   - DE-WATERED DREDGE MATERIAL TO BE LOADED INTO TRUCKS AND HAULED TO THE FINAL DISPOSAL SITE.
6. **DISPOSAL SITE:**
   - APPROVED GRAVEL, SAND PIT LOCATED 16 MILES FROM DREDGE SITE
   - ADDRESS: FLOYD A. COTTEE SAND AND GRAVEL PIT 3085 OAK CIRCLE LANE GLOUCESTER, VA 23061

PROPOSED COMMERCIAL WHARF REHABILITATION PROJECT
ABERDENE AQUATIC, LLC
ABERDEEN CREEK — GLOUCESTER CO.
SHT: 3 OF 7 DATE: 6-12-24 BAYSHORE DESIGN, LLC

SECTION 'E'-'E'

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



PROPOSED STRAW-BALE BARRIER

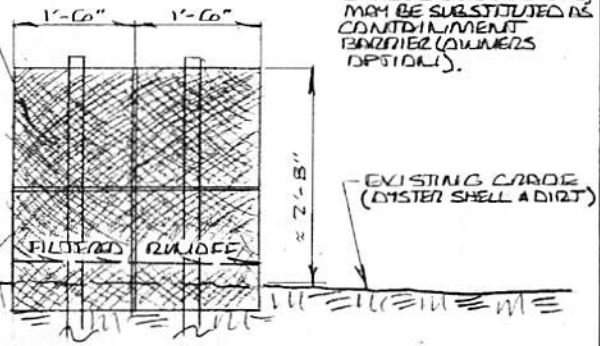
1. EXCAVATE ≈ 4" DEEP
2. PLACE & STAKE BALES
3. WEDGE LOOSE STRAW BETWEEN BALES
4. DOUBLE ROW BALES, ALTERNATE BALES TO OVERLAP SEAMS

– DREDGE MATERIAL DE-WATERING CONTAINMENT AREA —

EXISTING GRADE (OYSTER SHELL & DIRT)

SECTION 'C'-'C'

SCALE: NONE



NOTE:
PRECAST CONCRETE BARRIERS (SIMILAR DIMENSIONS TO BALES) MAY BE SUBSTITUTED AS CONTAINMENT BARRIER (OWNERS OPTION).

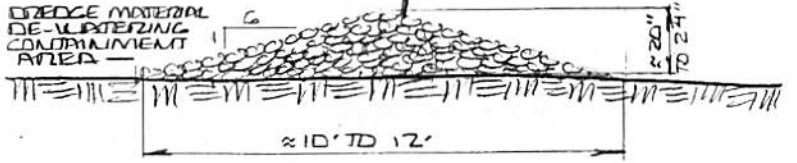
METHOD

1. DREDGE MATERIAL TO BE PLACED IN DE-WATERING CONTAINMENT AREA.
2. TOTAL AMOUNT OF DREDGE MATERIAL TO BE DEPOSITED IN CONTAINMENT AREA FOR DE-WATERING AT ONE TIME IS NOT TO EXCEED 2/3 (148 C.Y.) OF THE CALCULATED DE-WATERING SITE VOLUME (223 C.Y.).
3. REMOVE DE-WATERED DREDGE MATERIAL AND TRUCK TO THE FINAL DISPOSAL SITE. DREDGE MATERIAL TO BE ALLOWED SUFFICIENT TIME TO DE-WATER PRIOR TO TRANSPORTING MATERIAL TO THE FINAL DISPOSAL SITE.
4. REPEAT PROCEEDURE AS REQUIRED.

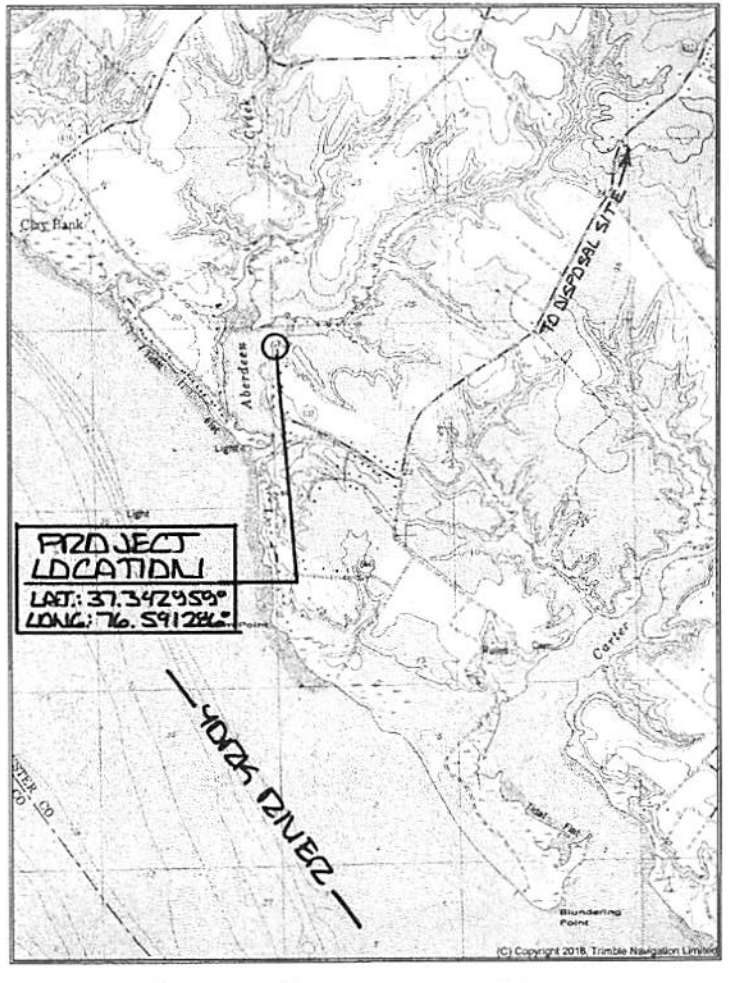
SECTION 'D'-'D'

SCALE: 3/8" = 1' 0' 3'

PROPOSED GRAVEL (# 3 STONE) TRUCK ACCESS BERM TO DREDGE MATERIAL DE-WATERING CONTAINMENT AREA



PROPOSED COMMERCIAL WHARF REHABILITATION PROJECT
ABERDEEN AQUATIC, LLC
ABERDEEN CREEK – GLOUCESTER CO.
SHT.: 4 OF 7 DATE: 6-12-24 BAYSHORE DESIGN, LLC

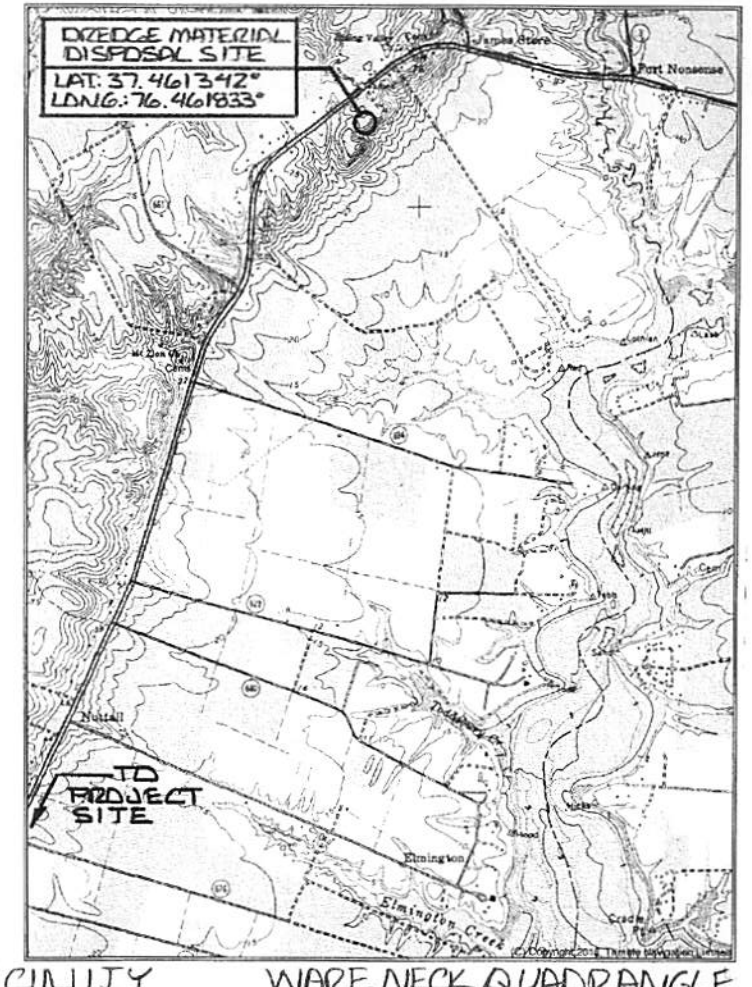


VICINITY MAP

SCALE: 1" = 2,000'

0' 4,000'

CLAY BANK QUADRANGLE



VICINITY MAP

SCALE: 1" = 2,000'

0' 4,000'

WARE NECK QUADRANGLE

PROPOSED COMMERCIAL WHARF REHABILITATION PROJECT
ABERDENE AQUATIC, LLC
ABERDEEN CREEK —— GLOUCESTER CO.
SHT.: 5 OF 7 DATE: 6-12-24 BAYSHORE DESIGN, LLC

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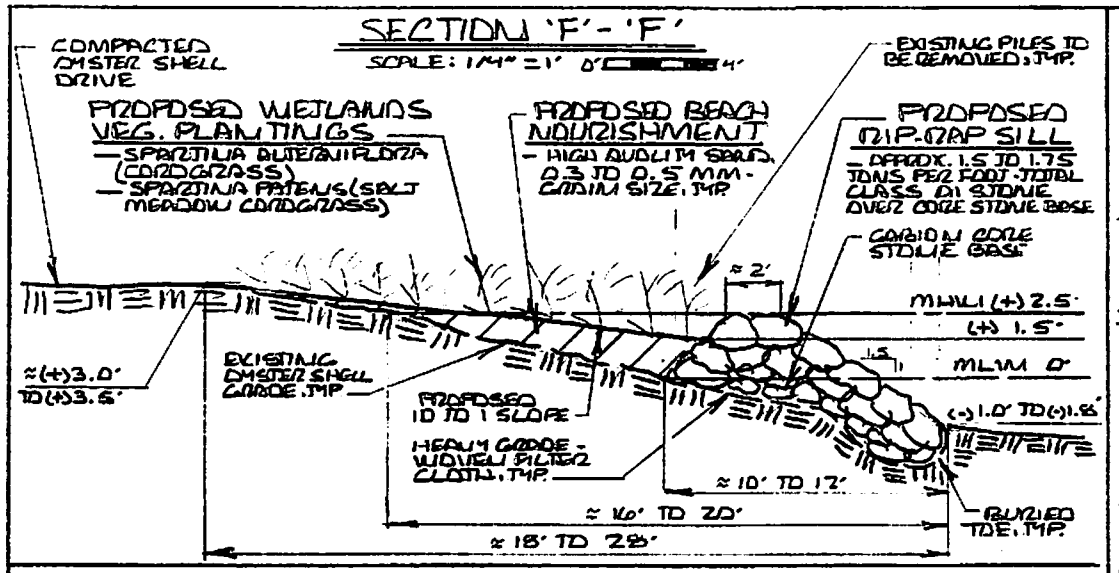
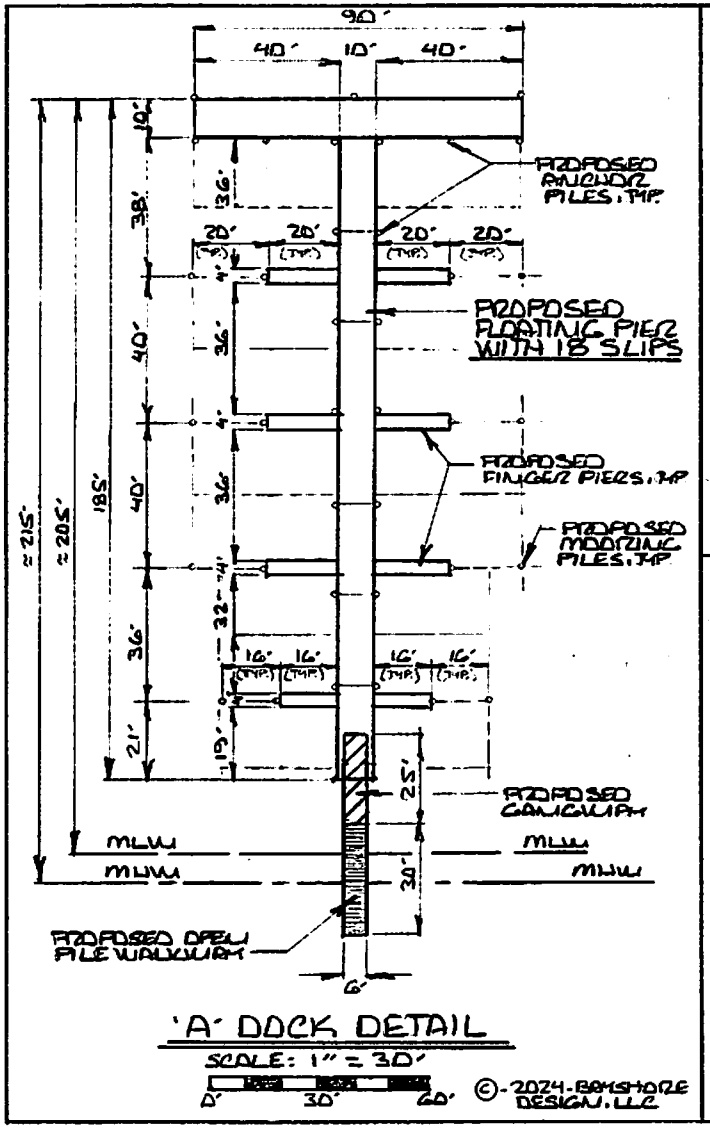
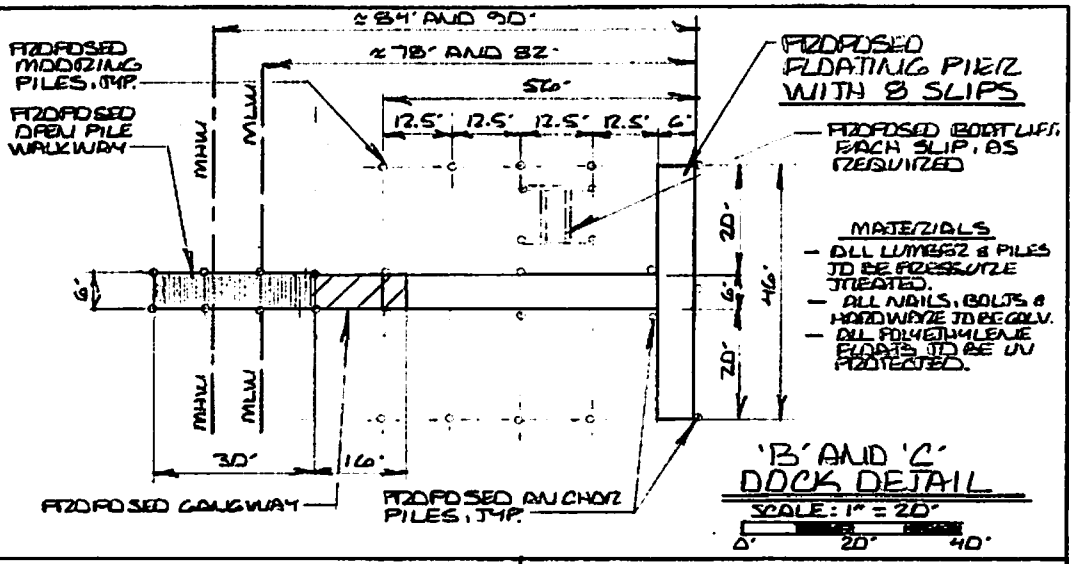


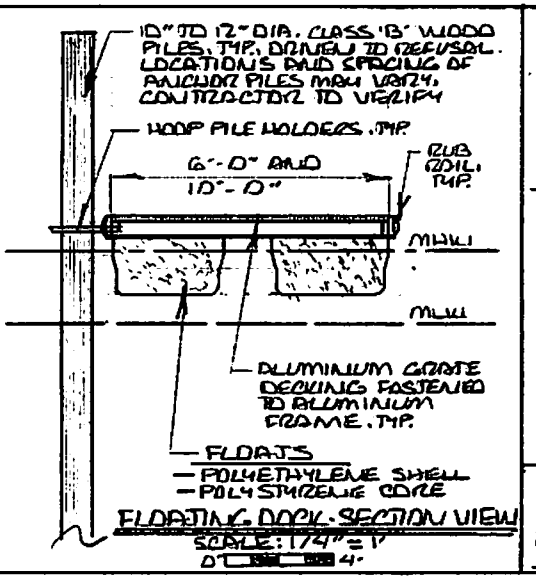
WETLANDS VEGETATION PLANTING NOTES

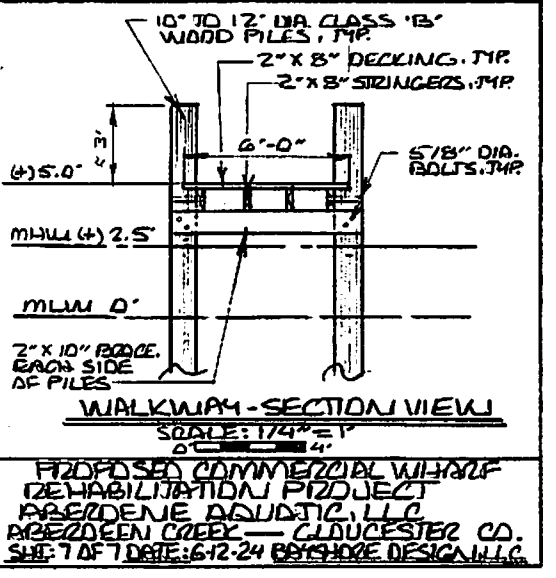
1. SPARTINA ALTERNIFLORA (CORDGRASS)
   TO BE PLANTED 12" TO 18" APART. START PLANTING AT RIP-RAP SILL AND PLANT UP TO THE MEAN HIGH WATER (MHW) MARK OR EXISTING WETLANDS VEG.
2. SPARTINA PATENS (SALT MEADOW CORDGRASS)
   TO BE PLANTED 12" TO 18" APART. START PLANTING AT THE MEAN HIGH WATER (MHW) MARK AND PLANT THE ENTIRE DISTANCE BETWEEN MHW AND BASE OF BANK (UPPER LIMITS OF BEACH NOURISHMENT)
3. WETLANDS VEGETATION
   SHOULD BE PLANTED FROM LATE FEBRUARY TO EARLY JUNE OR PER INSTRUCTION FROM WETLANDS VEGETATION CONTRACTOR OR SUPPLIER.
4. FERTILIZING
   TO BE COMPLETED AT THE TIME OF PLANTING. USE APPROX. 1/2 OUNCE PER PLANT OF SLOW RELEASE OSMOCOTE FERTILIZER (TO BE PLACED IN THE HOLE WITH PLANT) OR PER INSTRUCTION FROM WETLANDS VEGETATION CONTRACTOR OR SUPPLIER.
5. ANY DEBRIS AND TRASH
   THAT MAY ACCUMULATE IN PLANTING AREAS SHOULD BE PERIODICALLY REMOVED AND DISPOSED OF PROPERLY.
6. ADDITIONAL WETLANDS VEGETATION
   TO BE PLANTED TO REPLACE ANY PLANTS THAT DO NOT SURVIVE AND PROLIFERATE.
7. ANY APPEARANCE OF PHRAGMITES AUSTRALIS
   (REED GRASS) WITHIN WETLANDS VEGETATION PLANTING AREA TO BE ERADICATED PER INSTRUCTION FROM WETLANDS PROFESSIONAL.

PROPOSED COMMERCIAL WHARF REHABILITATION PROJECT
ABERDEEN AQUATIC, LLC
ABERDEEN CREEK — GLOUCESTER CO.
SHT.: 6 OF 7 DATE: 6-12-24 BAHNSON DESIGN, LLC









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ABERDENE AQUATIC, LLC
ABERDEEN CREEK — GLOUCESTER CO.
SHT: 7 OF 7 DATE: 6-12-24 BAYSHORE DESIGN, LLC