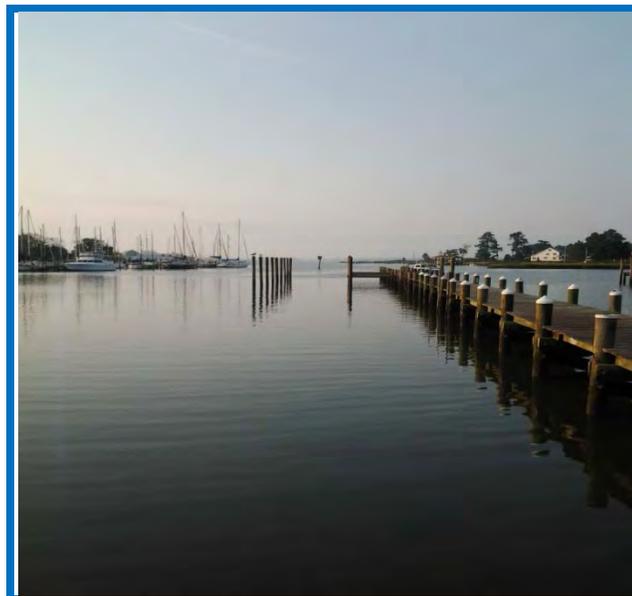


Perrin Wharf Waterfront Revitalization



This project, Task 52 was funded, in part, by the Virginia Coastal Zone Management Program at the Department of Environmental Quality through Grant #NA10NOS4190205 of the U.S. Department of Commerce, National Oceanic and Atmospheric Administration, under the Coastal Zone Management Act of 1972, as amended.

The views expressed herein are those of the authors and do not necessarily reflect the views of the U.S. Department of Commerce, NOAA, or any of its subagencies.

October, 2013.

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Executive Summary

In February, 2013, the Virginia Department of Transportation (VDOT) transferred ownership of the 320 foot Perrin River wharf to the Middle Peninsula Chesapeake Bay Public Access Authority (MPCBPAA). The wharf has been traditionally used by commercial watermen for vessel moorage and seafood offloading. The current moorage space was unorganized. Vessels would tie up parallel with the pier, making inefficient use of public space. Rafting (tying up boats side to side) is also used, but is not as safe as slip mooring.

This project was funded, in part, from the Virginia Coastal Zone Management Program at the Department of Environmental Quality through the U.S. Department of Commerce, and the National Oceanic and Atmospheric Administration. With this funding and help from local businesses and the Gloucester County Parks and Recreation Department, the Middle Peninsula Chesapeake Bay Public Access Authority (MPCBPAA) reorganized the first 100 ft of the pier by installing 15 new slip poles and 3 finger piers to create 9 slips for boat moorage and seafood offloading. This project served as a revitalization of the Perrin River urban waterfront-commercial seafood hub in Gloucester County, Virginia.

Product #1

Perrin Wharf Waterfront Revitalization

“Report with maps and photographs showing the reorganization of the first 100 ft of the Perrin Wharf pier. Supporting documentation, such as permits and any construction drawings, will be included. Finally, a written section will describe the tangible benefits of the project.”

The Perrin Wharf Waterfront Revitalization project was designed to reorganize the first 100 feet of the Perrin Wharf located in Gloucester County, Virginia (figure 1), to improve the organization and safety of the docking arrangement, and to assist with the mooring and off loading of vessels. To do this, the Middle Peninsula Chesapeake Bay Public Access Authority (MPCBPAA) proposed to install 10 new slip poles and 3 new finger piers using donated labor from a marine contractor. The project intended to create 5 new slips (figure 2), however, the project was so well received that the MPCBPAA obtained donations for an additional five 35 foot pilings from the Gloucester County Parks and Recreation Department, and donated time and labor from another local businessman to load, move and unload the additional pilings. Further, with the donation of the extra pilings, the MPCBPAA and the marine contractor, were able to work together to re-organize the slip arrangement to create an additional 4 slips, for a total of 9 slips (figure 3).

To make this project work, the MPCBPAA followed the prescribed process for permits in the Commonwealth of Virginia. First, an application for a historic review of the Perrin Wharf was submitted to the Virginia Department of Historic Resources (DHR). Second, a Joint Permit Application (JPA) was submitted to the Virginia Marine Resources Commission (VMRC). The JPA is distributed by VMRC to the Army Corps of Engineers (ACOE), the Virginia Marine Resources Commission (VMRC), and the Virginia Department of Health (VDH). Third, a building permit from Gloucester County as applied for. Note: The permit from VMRC pertains to the pilings which do not require a building permit. The building permit was required for the finger pier decking, which is attached to the existing wharf, and triggers zoning and building code compliance from the Gloucester County Building Inspection Department. Further, as part of the building permit, ADA compliance must be addressed. This required the addition of an ADA approved ramp and the designation of a universal access point (at the head of the wharf). The DHR application and the permits were all approved (see appendices 1-4) and executed between March, 2013 and September, 2013. The MPCBPAA coordinated the design and construction process with the Marine Contractor, Acelution. The contractor provided the required drawings for the permits by June 2013, and completed construction by September, 2013.

One permitting issue arose which required significant staff time by various state agency, local, and MPCBPAA staff. The VDH required that the Perrin Wharf come into compliance with their septic regulations. Since the project site was a VDOT cul-de-sac and there was no drain field site present, the VDH required that a fixed port a potty be installed. This triggered a review by Gloucester County for a pump and haul permit. The Gloucester County Board of Supervisors approved a pump and haul permit, but the regulations require a 1000 gallon holding tank and other items that are unobtainable for a VDOT

cul-de-sac. For example, port a potty's do not come with a 1000 gallon holding tank. At the time of this report, the type and location of a port a potty to be installed remains unresolved awaiting a final decision by the Gloucester County attorney.

Tangible Benefits

Before, during and after the project, discussions with neighbors and local watermen have been positive. The neighbors utilize the dock for fishing, crabbing, and bird watching. The watermen utilize the dock for mooring boats and offloading their catch. Both groups have expressed their appreciation for the work being done and are glad to see that the wharf will stay open for public access in the future. The watermen, in particular, are excited to see a more user friendly slip arrangement that will allow more boats to dock more safely (see Gazette Article, Appendix 7). This project serves as an example of how a small investment in a community can help to preserve and revitalize an urban waterfront while benefiting a diverse group of users.

Photographs of Project and of Volunteers

Volunteer Don McLellan



Volunteer Dan Hobby, Acelution



Right Side of Wharf – Before Project



Right Side of Wharf – After Project



Left Side of Wharf – Before Project



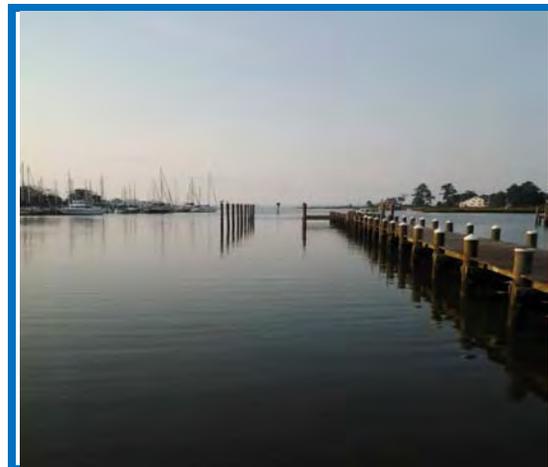
Left Side of Wharf – After Project



View from Land – Before Project



View from Land – After Project



Completed Project

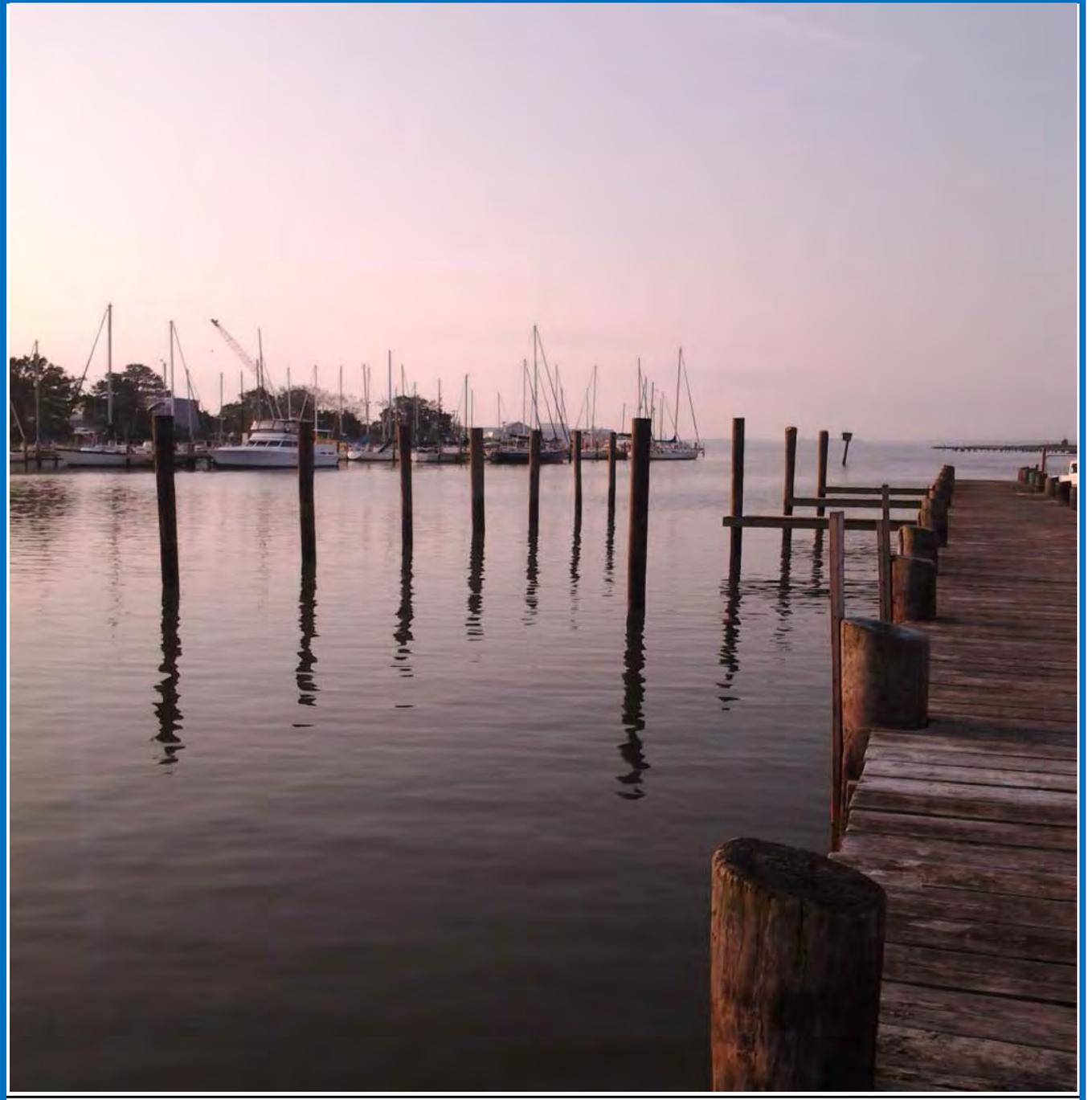


Figure 1



Figure 2 – Original Slip Design

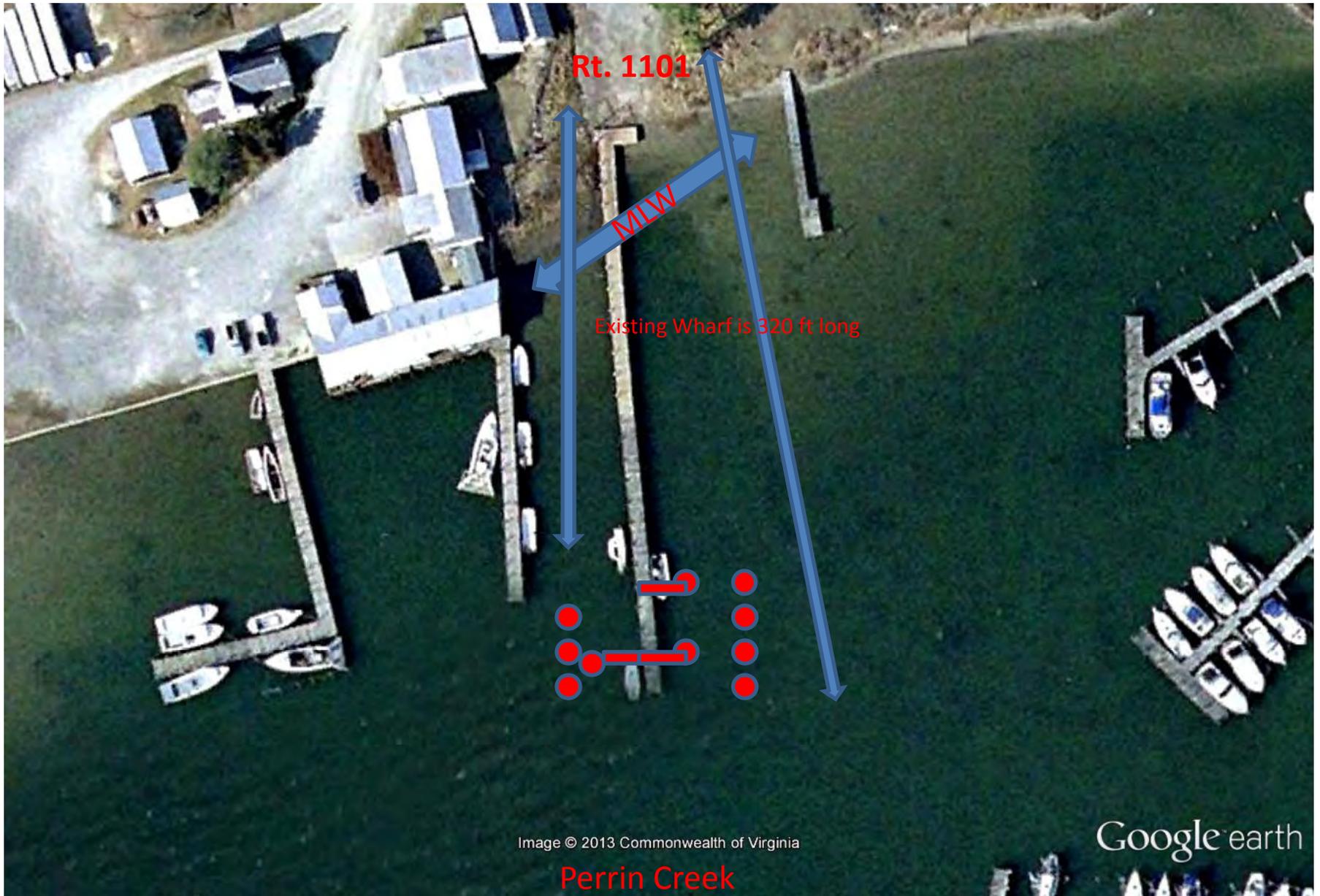


Figure 3 – Final Slip Design

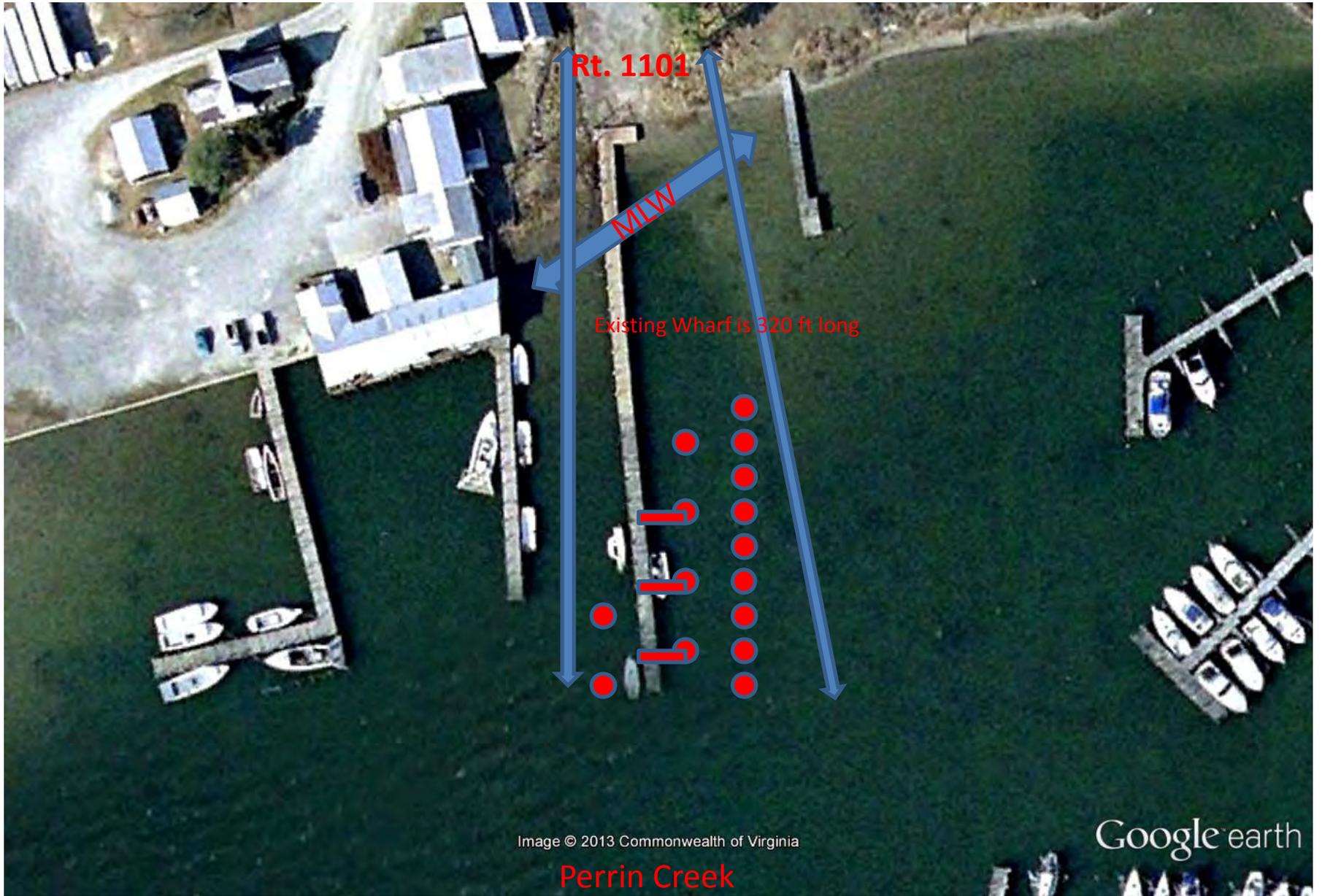


Image © 2013 Commonwealth of Virginia

Google earth

Perrin Creek

Appendix

Appendix 1

Department of Historic Resources

From: Roger Kirchen [Roger.Kirchen@dhr.virginia.gov]
Sent: Tuesday, April 02, 2013 1:17 PM
To: Harrison Bresee
Cc: Beth Polak
Subject: Perrin Creek Wharf (DHR File No. 2013-3164) | e-Mail #00905

Dear Mr. Bresee,

Thank you for requesting comments from the Department of Historic Resources on the referenced project. Based upon the documentation provided, it is our opinion that no historic properties will be affected by the proposed undertaking.

Implementation of the undertaking in accordance with the finding of *No Historic Properties Affected* as documented fulfills the Federal agency's responsibilities under Section 106 of the National Historic Preservation Act. If for any reason the undertaking is not or cannot be conducted as proposed in the finding, consultation under Section 106 must be reopened.

If you have any questions or if we may provide any further assistance at this time, please do not hesitate to contact me.

Sincerely,

Roger W. Kirchen, Manager
Office of Review and Compliance
Division of Resource Services and Review
Phone: (804) 482-6091
Roger.Kirchen@dhr.virginia.gov

Appendix 2

Army Corps of Engineers (ACOE) Permit



DEPARTMENT OF THE ARMY
NORFOLK DISTRICT, CORPS OF ENGINEERS
FORT NORFOLK, 803 FRONT STREET
NORFOLK, VIRGINIA 23510-1096

June 26, 2013

REPLY TO
ATTENTION OF:

Northern Virginia Regulatory Section
NAO-2013-00851 (Perrin River)

Harrison Bresee
Middle Peninsula Chesapeake Bay Public Access Authority
P.O. Box 286
Saluda, Virginia 23149

Dear Mr. Bresee:

This correspondence is in reference to the Department of the Army application (NAO-2013-00851/VMRC #13-0654) you have submitted to construct four finger piers, each twelve foot in length, onto an existing pier and to install thirteen mooring piles adjacent to the pier. All work will be performed at 2100 Perrin Creek Road in Gloucester County, Virginia. Your proposed project as described above and depicted on the attached drawings entitled "Middle Peninsula Chesapeake Bay Public Access Authority" dated April 29, 2013 and stamped as received by our office on June 6, 2013 (revision) satisfies the terms and conditions of Norfolk District's Regional Permit 19 (08-RP-19), Activity #5. Provided you follow the general and special terms and conditions of 08-RP-19 no further authorization will be required from the Corps. You may not begin work until you have obtained a permit from the Virginia Marine Resources Commission and/or the Local Wetlands Board. This verification is not valid until you obtain their approval.

Please take note of the special and general conditions incorporated in the 08-RP-19. In addition, enclosed is a "compliance certification" form, which must be signed and returned within 30 days of completion of the project. Your signature on this form certifies that you have completed the work in accordance with the regional permit terms and conditions.

Activities authorized under 08-RP-19 must be completed by August 14, 2013. If this RP is reissued at that time, and if this work has not been started or completed, but the project continues to meet the terms and conditions of the revalidated RP, then the project will continue to be authorized. Activities which have commenced (i.e., are under construction) or are under contract to commence in reliance upon this RP that do not meet the terms and conditions of the revalidated RP will remain authorized provided the activity is completed within twelve months of the date of this RP's expiration (i.e. August 14, 2014), unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 325.7. If work cannot be completed by August 14, 2014, you must reapply for separate permit authorization in order to meet current permit criteria. The Norfolk District will issue a special public notice announcing any changes to the Regional Permits when they occur; however, it is incumbent upon you to remain informed of changes to the RPs.

The State Water Control Board provided §401 Water Quality Certification for the 08-RP-19. Therefore, the activities that qualify for this RP meet the requirements of Department of Environmental Quality's (DEQ) Virginia Water Protection Permit Regulation, provided that the permittee abides by the conditions of 08-RP-19. Please note that you should obtain any additional required State and local authorizations before you proceed with the project. Furthermore, this authorization does not relieve your responsibility to comply with local requirements pursuant to the Chesapeake Bay Preservation Act (CBPA), nor does it supersede local government authority and responsibilities pursuant to the Act. You should contact your local government before you begin work to find out how the CBPA applies to your project.

The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

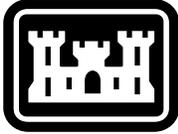
If you have any questions concerning this matter or would like further assistance, please contact Keith R. Goodwin at (757) 201-7327 or via email at keith.r.goodwin@usace.army.mil.

Sincerely,



Jeanne Richardson
For: Acting Chief, Northern Virginia
Regulatory Section

Attachments: 08-RP-19
Project Drawings
Certificate of Compliance



**U.S. Army Corps
Of Engineers**
Norfolk District

**CERTIFICATE OF COMPLIANCE
WITH
ARMY CORPS OF ENGINEERS PERMIT**

Permit Number: NAO-2013-00851
VMRC Number: 13-V0654

Name of Permittee: Middle Peninsula Chesapeake Bay Public Access Authority
Date of Issuance: June 26, 2013
Permit Type: RP-19

Within 30 days of completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

Norfolk District Corps of Engineers
Regulatory Branch Attn: Keith R. Goodwin
803 Front Street
Norfolk, Va. 23510-1096

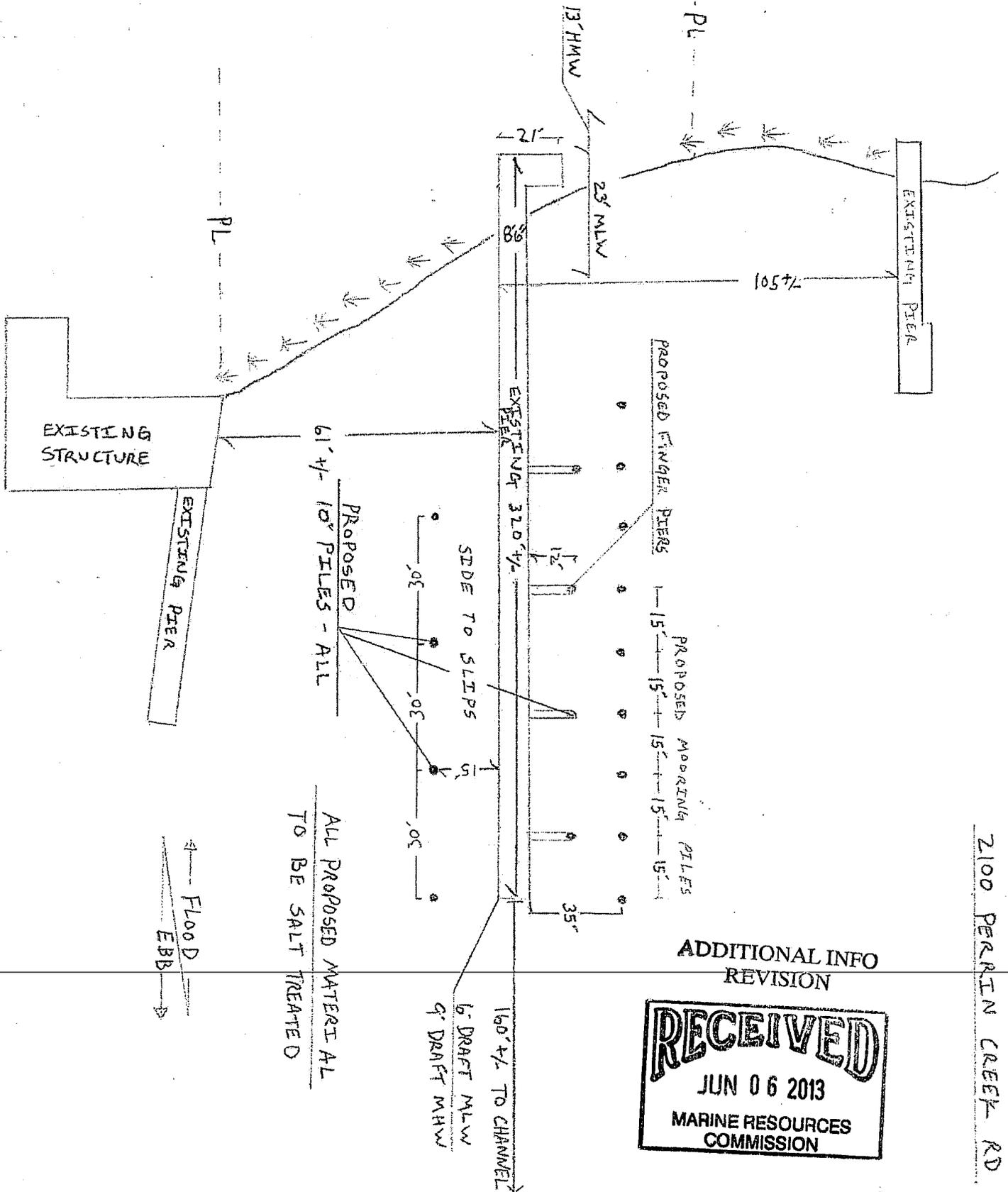
Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation has been completed in accordance with the permit conditions.

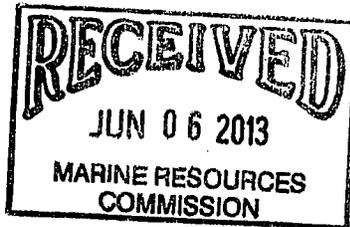
Signature of Permittee

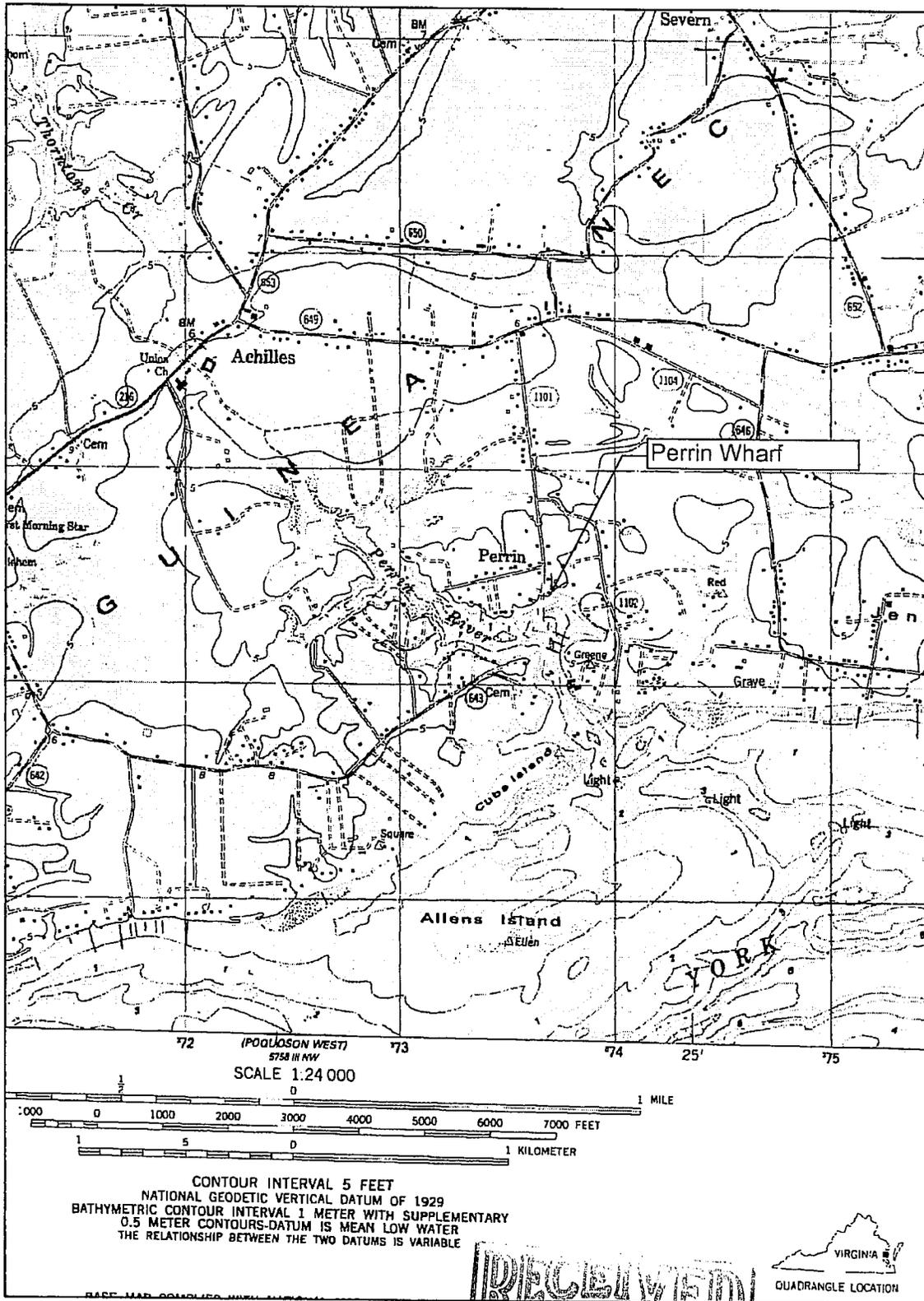
Date

APPLICANT: MIDDLE PENINSULA CHESAPEAKE BAY PUBLIC ACCESS AUTHORITY
 WATERWAY: PERRIN RIVER
 CITY/COUNTY: GLOUCESTER
 NUMBER SHEET: 1 OF 2
 DATE: 04/29/2013



ADDITIONAL INFO REVISION





RECEIVED
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 MARINE RESEARCH
 COMMISSION

Appendix 3

Army Corps of Engineers (ACOE) Regional Permit



**U.S. Army Corps
Of Engineers**
Norfolk District

Fort Norfolk, 803 Front Street
Norfolk, Virginia 23510-1096

**CENAO-REG
08-RP-19**

REGIONAL PERMIT

Effective Date: August 14, 2008

Expiration Date: August 14, 2013

Modified Date: August 26, 2010 and September 20, 2010

I. AUTHORIZED ACTIVITIES:

The following activities may be authorized under 08-RP-19, Regional Permit 19 (“RP”), subject to the conditions, limitations and descriptions set out further herein:

- 1. Aerial transmission lines and other overhead lines.**
- 2. Groins, jetties, spurs and/or baffles and associated beach nourishment.**
- 3. Maintenance dredging for previously authorized projects.**
- 4. Bulkheads, riprap and associated backfill and/or excavation, including bulkhead repair and/or replacement, and bioengineering projects to prevent erosion.**
- 5. Open-pile piers at community, commercial or government facilities for recreational or commercial use.**
- 6. Boat ramps and accessory structures, including any fill or excavation for installation.**
- 7. Recreational or Commercial boathouses and covered boat lifts.**
- 8. Mooring piles/dolphins, fender piles and camels.**
- 9. Crab pounds.**
- 10. Submerged sills and associated beach nourishment.**
- 11. Low breakwaters and associated beach nourishment.**
- 12. Aquaculture/Mariculture activities.**
- 13. Commercial moorings associated with a permitted project and temporary in nature.**

II. AUTHORITIES:

The people of the Commonwealth of Virginia are hereby authorized by the Secretary of the Army and the Chief of Engineers pursuant to Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344) to perform certain work in waters of the Commonwealth as described further herein strictly subject to the conditions and limitations set out further herein.

Activities receiving written authorization under this RP do not require further authorization unless the District Commander determines that overriding national factors of the public

interest would require an individual permit (in accordance with 33 CFR 325) for a particular project that might generally qualify for this RP. This RP covers only those activities that comply with the general and special conditions set out below. Activities that do not comply with the conditions, terms, and limitations herein do not qualify for this RP and will require separate Department of the Army authorizations/permits.

III. STATE AND LOCAL APPROVALS:

1. In order for this RP-19 to be valid as to particular work, a person or entity seeking verification under this RP (“permittee”, “applicant” or “prospective permittee”), **with exception to Activity #3 for Maintenance Dredging for Previously Authorized Projects**, must obtain the following state and/or local permits prior to commencement of such work in waters of the United States from:
 - Virginia Marine Resources Commission (VMRC) and/or
 - Local Wetlands Board
2. The State Water Control Board provided §401 Water Quality Certification for the 08-RP-19. Therefore, the activities that qualify for this RP meet the requirements of Department of Environmental Quality’s (DEQ) Virginia Water Protection Permit Regulation, provided that the permittee abides by the conditions of 08-RP-19.
3. Permittees should ensure that their projects are designed and constructed in a manner consistent with all state and local requirements pursuant to the Chesapeake Bay Preservation Act (the “Act”) (Virginia Code 10.1-2100 *et seq.*) and the Chesapeake Bay Preservation Area Designation and Management Regulations (9 VAC 10-20-10 *et seq.*). Authorizations under 07-SPGP-01 do not obviate state or local government authority or responsibilities pursuant to the Act or to any State or local law or regulation.

IV. PROCEDURES:

1. In order to obtain authorization for any of the activities covered by this RP, the applicant must complete a Joint Permit Application (“JPA”). A JPA can be obtained by writing to the District at the above address or telephoning (757) 201-7652. With internet access, an application may also be obtained by downloading a copy at the following link:
<http://www.nao.usace.army.mil/technical%20services/Regulatory%20branch/JPA.asp>
2. If the proposed activity qualifies for this RP, the Corps will send the applicant a letter acknowledging the qualification and stating that the applicant must obtain a permit (not a waiver) from the Virginia Marine Resources Commission and/or the local wetlands board before the proposed work may begin with the exception to maintenance dredging activities covered under Activity #3 of this permit, as described below:
 - a. **Exception for Activity #3 for Maintenance Dredging for Previously Authorized Projects: For certain applicants, such as a federal agency or other governmental agencies, VMRC may not require a permit for maintenance dredging activities and the local wetlands board may not assert jurisdiction over the project. Therefore, in order to qualify for such maintenance dredging activities, the**

requirement to obtain a permit from VMRC and/or the local wetlands board has been waived for 08-RP-19, Activity #3 ONLY.

2. Those activities on the Potomac River extending beyond the mean low water line must be authorized by the Virginia Marine Resources Commission, the Maryland Department of Natural Resources and/or the Potomac River Fisheries Commission in order to comply with this regional permit.
3. In the event the proposed project or any portion of the project receives a waiver (or exemption under the grandfather clause), the project would not qualify for this regional permit and a different general permit or an individual permit will be required.

ACTIVITIES DO NOT QUALIFY FOR THIS REGIONAL PERMIT UNLESS, THEY SATISFY ALL OF THE SPECIAL AND GENERAL CONDITIONS LISTED BELOW:

V. ACTIVITY SPECIFIC SPECIAL CONDITIONS:

1. Aerial transmission lines and other overhead lines:

- a. The following minimum clearances are required for aerial electric power transmission lines crossing navigable waters of the United States. These clearances are related to the clearances over the navigable channel provided by existing fixed bridges, or the clearances which would be required by the U.S. Coast Guard for new fixed bridges, in the vicinity of the proposed power line crossing. The clearances are based on the low point of the line under conditions which produce the greatest sag, taking into consideration temperature, load, wind, length of span, and type of supports as outlined in the National Electrical Safety Code.

Minimum additional clearance above clearance required for bridges:

<u>Nominal system voltage (kilovolt)</u>	<u>Feet</u>
115 and below.....	20
138.....	22
161.....	24
230.....	26
350.....	30
500.....	35
700.....	42
750 to 765.....	45

- b. Clearances for communication lines, stream gauging cables, and other aerial crossings are usually required to be a minimum of ten feet above clearances required for bridges. Overhead lines which require fill may need separate authorization from the Corps. Projects which require dredging for construction access will not qualify for this regional permit.
- c. In addition, the Federal Aviation Administration has responsibility for the marking of aerial transmission lines. Therefore, for those projects involving such work, an

appropriate application should be submitted to the Federal Aviation Administration Eastern Regional Office, Air Traffic Division, JFK International Airport Federal Building, Jamaica, New York 11430 (Telephone 212-995-3390).

- d. For linear aerial transmission line projects, the applicant must supply the U. S. Fish and Wildlife Service with information concerning the intended route of the entire project so that they may, if necessary, exercise their authority under Section 9 of the Endangered Species Act.

2. Groins, jetties, spurs, and/or baffles constructed along with and connected to groins and associated beach nourishment:

- a. For this regional permit, groins are defined as structures constructed perpendicular (or nearly so) to a shoreline and extending seaward from the shoreline for the purpose of accreting sand. Groins may merely stop further erosion of a shoreline or they may actually build a sand beach by trapping sand moving in the near shore zone. A jetty is a structure constructed perpendicular to the shoreline with the primary purpose of stabilizing and/or protecting an inlet or harbor. Spurs and baffles are defined as short (less than 20 feet) structures constructed perpendicular to groins for the sole purpose of dampening diffracted wave energy. Groins and jetties may be constructed of quarry stone, gabion baskets, or concrete. As the design and location of groins and jetties are site specific, it is suggested that the Shoreline Erosion Advisory Service or the Virginia Institute of Marine Science be consulted for advice.
- b. This RP may authorize beach nourishment landward of the groins provided the nourishment is for erosion control (and not solely recreational activities). Planting of vegetation to stabilize the nourishment area may be required by the Corps, where appropriate. The maximum beach nourishment area within waters of the United States that can be authorized under this RP is one (1) acre.
- c. All material proposed for beach nourishment must be of grain size comparable with the existing beach. All material will be obtained from either an upland source, a borrow pit, or a dredging project approved by the Corps.
- d. The beach nourishment material will not be placed in or affect any vegetated wetlands, submerged aquatic vegetation or shellfish beds.
- e. The District Commander will require an individual Department of the Army permit for any project which he/she determines to have greater than minimal individual or cumulative impacts.
- f. Please note that beach nourishment projects may result in the creation of suitable habitat for various federally listed threatened or endangered species. If this occurs and the permittee seeks to either add to or replenish the area previously nourished, the Corps will consult with the Fish and Wildlife Service pursuant to Section 7 of the Endangered Species Act to insure the work does not adversely affect or jeopardize a federally listed or proposed threatened or endangered species.

- g. Special Conditions for Discharges and Structures in Sections VI and VII, respectively, apply to this activity as well as the general conditions listed in the regional permit.

3. Maintenance dredging for previously authorized projects:

- a. This RP authorizes maintenance dredging of projects which received a Norfolk District Letter of Permission 2 (LOP-02) or individual Department of the Army permit for the initial dredging. Areas to be dredged and dredged depths shall not exceed those specified by the original authorization.
- b. For maintenance dredging to qualify under this RP, all dredged material must be disposed of in a currently approved dredged material management site, in an approved upland disposal site, or at the Craney Island Dredged Material Management Area/Rehandling Basin. The disposal of dredged material into wetlands is not authorized by this permit. The currently approved dredged material management sites do not include ocean disposal sites. The use of ocean disposal must be permitted under separate authorization. If the dredged material is being disposed of in an upland area, the area must be properly designed to contain the material.
- c. If the applicant proposes to use the Craney Island Dredged Material Management Area for placement of the dredged material, the special conditions which must be adhered to and forms which must be completed in order to use Craney Island will be added to this RP for those projects for which it applies. The permittee is advised that the prime contractor performing the dredging project must obtain a Real Estate license from the Norfolk District Real Estate Office prior to the commencement of any work which would utilize the Craney Island Dredged Material Management Area or Government Bulkhead Facilities at the Craney Island Rehandling Basin. The permittee/prime contractor should contact Mr. David Parson of the Norfolk District Real Estate Acquisition, Management, and Disposal Section at (757) 201-7736 for further information regarding the Department of the Army License. (Please note that there are restrictions on the use of Craney Island. You may call the Norfolk District at 757-201-7652 to determine if Craney Island can be used.)
- d. If applicable, under this RP, periodic maintenance dredging may be performed for five (5) years from the date of the acknowledgment letter in order to coincide with the expiration of the Virginia Marine Resources Commission maintenance dredging permit, which is issued for a maximum of five (5) years.
- e. The Norfolk District must be advised in writing by the permittee at least two weeks before each maintenance dredging activity is undertaken so that the intended disposal area may be inspected. Disposal areas must be approved by the Norfolk District before use.
- f. Within 30 days of completion of the dredging, an after-dredge hydrographic survey, prepared by a state-certified engineer or surveyor, must be provided to the Corps. The hydrographic survey should reference a local tidal or geodetic datum.
- g. Barges and scows used to transport dredged material may be filled only to a point where no overflow occurs. No overflow pipes are allowed.

- h. A copy of this permit must be on board the vessel used for the transportation and placement of the dredged material.
- i. If the dredging is performed by hydraulic method, Special Conditions for Discharges in Section VI below apply to this activity as well as the general conditions listed in the regional permit.

4. Bulkheads, riprap revetment and associated backfill and/or excavation, including repair and/or replacement of existing deteriorated bulkheads and bioengineering projects to prevent erosion:

- a. The work must be necessary to address and remediate an existing erosion problem.
- b. The total amount of vegetated wetlands which may be filled, in square feet, may not exceed the length of the activity along the shoreline in linear feet (e.g. 100 square feet maximum for a 100-foot-long bulkhead.)
- c. The structure and backfill must be placed as closely to the shoreline as is practicable. No material may be placed in excess of the minimum necessary for erosion protection.
- d. To the maximum extent practicable, discharges must not permanently restrict or impede the passage of normal or expected high flows or cause the relocation of the water.
- e. Only clean, non-metallic, non-organic, non-floatable fill obtained from an upland source may be used as backfill material.
- f. Any temporary fills must be removed in their entirety and the affected areas returned to their pre-existing elevation.
- g. This RP also covers all bulkhead repair and/or replacement up to two feet channelward of existing deteriorated bulkheads which are still functional. For sheet pile bulkheads, this shall generally mean that at least fifty (50) percent of the sheeting must be standing. This authorization includes no limitation on length, nor does it exclude bulkheads which may result in the filling of wetland vegetation as long as there is an apparent existing erosion problem. As above, the total amount of vegetated wetlands which may be filled, in square feet, must not exceed the length of the activity along the shoreline in linear feet. This total does not include wetlands landward of the existing bulkhead. This portion of the work complies with Corps Nationwide Permit Number 3. The Corps Nationwide Permits and Conditions can be found in the March 12, 2007, Federal Register notice (72 FR 11092). The filling of wetlands behind free-standing bulkheads that have never been backfilled is prohibited as part of this permit, and will require an individual Department of the Army permit.
- h. For projects where bioengineering is to be utilized in lieu of bulkheading or riprap, grading or excavating wetlands shall be limited to one (1) square foot of vegetated wetlands per linear foot of shoreline.

- i. Special Conditions for Discharges in Section VI below apply to this activity as well as the general conditions listed in the regional permit.

5. Open-pile piers at community, commercial or government facilities for recreational or commercial use:

- a. This authorization covers all open-pile piers, docks, wharfs associated with the construction or expansion of any community, commercial, or government facility whose primary use is commercial or recreational. This would include, but not be limited to, community fishing piers, piers at seafood processing facilities, piers at boat repair facilities, piers at marine terminals, recreational piers located on military installations or piers for military associated operational facilities utilized for training, aggregate handling facilities, and other non-recreational facilities. (Marine railways are excluded from this regional permit.)
- b. If the original purpose of the structure or facility changes, the permittee must submit a request for a permit modification (i.e. a recreational marina to a grain loading facility or coal handling facility).
- c. This work does not qualify for the RP if it involves any dredging or filling. In that event, an individual Department of the Army permit will be required. If dredging is proposed, it may qualify for the District's Letter of Permission 2 (08-LOP-02).
- d. Special Conditions for Structures in Section VII below apply to this activity as well as the general conditions listed in the regional permit.

6. Boat Ramps and Accessory Structures, including associated fill and excavation necessary for installation:

- a. This RP covers all boat ramps (concrete or open-pile timber), whether private, public, commercial or government-owned. For this RP, accessory structures include catwalks, pilings and small piers whose sole purpose is to make it easier to get boats into or out of the water. Permanent or semi-permanent mooring facilities are not covered.
- b. This permit authorizes excavation and/or filling within the limits of the boat ramp only (e.g. for bedding). Dredging or filling for water access to the ramp is not covered under this regional permit and will require separate Department of the Army authorization. Authorization of the boat ramp does not imply that a future dredging proposal to provide access to the structure would be approved.
- c. All boat ramps and accessory structures shall be located so as to eliminate or minimize impacts to vegetated wetlands.
- d. The pouring of concrete for the construction of boat ramps must be accomplished within a cofferdam unless the activity can be performed completely in the dry, such as during lake drawdown periods. The introduction of uncured concrete into surface waters is prohibited.

- e. Special Conditions for Discharges and Structures in Section VI and VII, respectively, apply to this activity as well as the general conditions listed in the regional permit.

7. Recreational or Commercial Boathouses and Covered Boat Lifts:

- a. This authorization covers any boathouse or covered boat lift whose purpose is recreational or commercial.
- b. If the original purpose of the structure or facility changes, the permittee must submit a request for a permit modification (i.e. a recreational marina to a grain loading facility or coal handling facility).
- c. This work does not qualify for the regional permit if it involves any dredging or filling. In that event, separate Department of the Army authorization will be required. Authorization of the boathouse or covered boat lift does not imply that a future dredging proposal to provide access to the structure would be approved.
- d. Special Conditions for Structures in Section VII below apply to this activity as well as the general conditions listed in the regional permit.

8. Mooring Piles/Dolphins, Fender Piles and Camels (wooden floats serving as fenders alongside piers):

- a. This authorization includes all such structures, either isolated or part of large facilities, whose primary purpose is commercial or recreational. This would include, but not be limited to, mooring piles, dolphins, fender piles, and camels at community piers, seafood processing facilities, boat repair facilities, marine terminals, military installations and other commercial and/or recreational facilities. Pilings installed to establish osprey nests are also included. Should primary use of the permitted structure change, a permit modification must be requested.
- b. This work does not qualify for the RP if it involves dredging or filling. In that event, separate Department of the Army authorization will be required. Authorization of such structures does not imply that a future dredging proposal to provide access would be approved.
- c. Special Conditions for Structures in Section VII below apply to this activity as well as the general conditions listed in the regional permit.

9. Crab Pounds:

- a. Crab pounds (e.g. devices used for softshell crab harvesting, etc.) are authorized by this RP, but crab pounds in Mailboat Harbor and adjacent waterways at Tangier Island, Virginia must be constructed outside the hatched areas shown on the map entitled "Structures at Mailboat Harbor" which may be obtained from the Corps Eastern Virginia Regulatory Section Eastern Shore Field Office, c/o NRCS, 22545 Center Parkway, Accomac, Virginia 23301-1330, phone number (757) 787-7567.
- b. Special Conditions for Structures in Section VII below apply to this activity as well as the general conditions listed in the regional permit.

10. Submerged Sills and Associated Beach Nourishment:

- a. For the purpose of this RP, a submerged sill is defined as a low, detached structure constructed near shore and parallel to the shoreline for the purpose of building up an existing beach by trapping and retaining sand in the littoral zone. Because a sill acts like a natural bar, it is most effective when constructed at or near the mean low water line and low enough to allow wave overtopping.
- b. Submerged sills may be constructed of riprap, gabion baskets, or concrete. Alternative materials may be considered for use during the permit review process. The materials should be of sufficient weight or adequately anchored to prevent their being dislodged and carried about by wave action. Asphalt and materials containing asphalt or other toxic substances shall not be used in the construction of sills. As the design and location of sills is site specific, it is suggested that the Shoreline Erosion Advisory Service or the Virginia Institute of Marine Science be consulted for advice.
- c. The beach nourishment area and the submerged sill shall be marked as prescribed by the United States Coast Guard in accordance with 33 CFR 64. The permittee must contact the United States Coast Guard, Aids to Navigation Branch at (757) 398-6230 to ascertain the proper markings for the activity. Aids to navigation shall be deployed and maintained as appropriate.
- d. Submerged sills may not be connected to the upland or constructed in conjunction with groins or other erosion control structures. Such structures will require individual Department of the Army review.
- e. This RP authorizes beach nourishment landward of the sills provided the nourishment is for erosion control (and not solely recreational activities). Planting of vegetation to stabilize the nourishment area may be required by the Corps, where appropriate. The maximum beach nourishment area within waters of the United States that can be authorized under this Regional Permit is one (1) acre.
- f. All material proposed for beach nourishment must be of grain size comparable with the existing beach. All material will be obtained from either an upland source, a borrow pit, or a dredging project approved by the Corps.
- g. The beach nourishment material will not be placed in or affect any vegetated wetlands, submerged aquatic vegetation, or shellfish beds.
- h. The District Commander will require an individual Department of the Army permit for any project which he/she determines to have greater than minimal individual or cumulative impacts.
- i. Please note that beach nourishment projects may result in the creation of suitable habitat for various federally listed threatened or endangered species. If this occurs and the applicant proposes to either add to or replenish the area previously nourished, the Corps will consult with the Fish and Wildlife Service pursuant to Section 7 of the Endangered Species Act to insure the work does not adversely affect or jeopardize a federally listed or proposed threatened or endangered species.

- j. Special Conditions for Discharges and Structures in Section VI and VII, respectively, apply to this activity as well as the general conditions listed in the regional permit.

11. Low Breakwaters and Associated Beach Nourishment:

- a. For the purpose of this RP, a breakwater is defined as a structure constructed parallel to and channelward of a shoreline for the purpose of reducing incoming wave energy.
- b. This RP authorizes low breakwaters constructed close to shore for the purpose of erosion protection by reducing wave height and thereby reducing the erosive power of the waves reaching the shoreline. This permit does not include high breakwaters constructed farther offshore for the purpose of creating quiet water for the protection of a boat harbor.
- c. The beach nourishment area and low breakwater shall be marked as prescribed by the United States Coast Guard in accordance with 33 CFR 64. The permittee must contact the United States Coast Guard, Aids to Navigation Branch at (757) 398-6230 to ascertain the proper markings for the activity. Aids to navigation shall be deployed and maintained as appropriate.
- d. Under this RP, a breakwater may be a single structure or a series of structures separated by gaps, but may not be connected to the upland or constructed in conjunction with other land attached structures. Such structures will require individual Department of the Army review.
- e. Breakwaters may be constructed of quarry stone, gabion baskets, or concrete. Alternative materials may be considered for use during the permit review process. However, as breakwaters are barriers to the forces of waves, they should be massive enough to resist the full power of the maximum expected wave energy. Asphalt and materials containing asphalt or other toxic substances shall not be used in the construction of breakwaters. As the design and location of breakwaters is site specific, it is suggested that the Shoreline Erosion Advisory Service or the Virginia Institute of Marine Science be consulted for advice.
- f. Included in this permit are floating breakwaters which filter energy from the incoming waves as they pass through the device, thereby reducing wave energy reaching a shoreline or harbor. Floating breakwaters should be adequately anchored to prevent their being dislodged by wave action.
- g. This RP authorizes beach nourishment landward of the breakwaters provided the nourishment is for erosion control (and not solely recreational activities). Planting of vegetation to stabilize the nourishment area may be required by the Corps, where appropriate. The maximum beach nourishment area within waters of the United States that can be authorized under this RP is one (1) acre.
- h. All material proposed for beach nourishment must be of grain size comparable with the existing beach. All material will be obtained from either an upland source, a borrow pit, or a dredging project approved by the Corps.

- i. The beach nourishment material will not be placed in or affect any vegetated wetlands, submerged aquatic vegetation, or shellfish beds.
- j. The District Commander will require an individual Department of the Army permit for any project which he/she determines to have greater than minimal individual or cumulative impacts.
- k. Please be aware that beach nourishment projects may result in the creation of suitable habitat for various federally listed threatened or endangered species. If this occurs and you wish to either add to or replenish the area previously nourished, the Corps will consult with the Fish and Wildlife Service pursuant to Section 7 of the Endangered Species Act to insure the work does not adversely affect or jeopardize a federally listed or proposed threatened or endangered species.
- l. Special Conditions for Discharges and Structures in Section VI and VII, respectively, apply to this activity as well as the general conditions listed in the regional permit.

12. Aquaculture/Mariculture Activities:

- a. This authorization is limited to the bottom and suspended culturing and harvesting of bivalve mollusks in the intertidal and subaqueous areas of navigable waters. Activities covered include: deployment and maintenance of buoys, rafts, trays, and other equipment associated with the activity, and work including temporary wet storage, and harvesting.
- b. The aquaculture activity area and any elevated structures within the area shall be marked as prescribed by the United States Coast Guard in accordance with 33 CFR 64. The permittee must contact the United States Coast Guard, Aids to Navigation Branch at (757) 398-6230 to ascertain the proper markings for the activity. Aids to navigation shall be deployed and maintained as appropriate.
- c. No aquaculture activity shall occur within beds of submerged aquatic vegetation or saltmarsh, nor shall such vegetation be damaged or removed. Should an area become colonized by submerged aquatic vegetation or saltmarsh after an authorized aquaculture activity is installed, the activity shall be allowed to remain, however, no expansion into newly colonized areas is authorized by this regional permit. Information on the location of submerged aquatic vegetation can be obtained from the Norfolk District Corps of Engineers (at telephone (757) 201-7652) and from the Virginia Institute of Marine Science (at telephone (804) 642-7332).
- d. An aquaculture activity will not meet the terms for this RP if it will have more than minimal adverse effects on avian resources such as, but not limited to: shore birds, wading birds, or members of the waterfowl group. This includes nesting, feeding or resting activities by migratory birds identified at 50 CFR 10.13.
- e. An aquaculture activity will not qualify for this RP if it will have more than minimal adverse effects on existing or naturally occurring beds or population of shellfish, marine worms or other invertebrates that could be used by man, other mammals, birds, reptiles, or predatory fish.

- f. No aquaculture activity or vehicular access to the activity shall occur in such a way as to negatively impact coastal or wetland vegetation.
- g. Special Conditions for Structures in Section VII below apply to this activity as well as the general conditions listed in the regional permit.

13. Commercial moorings associated with another project and temporary in nature.

- a. This permit may only be used if the request is directly associated with a permitted project such as a bridge, construction, or dredging project.
- b. This authorization is valid only for the duration of the associated project. Once the project is completed, the mooring must be removed.
- c. Special Conditions for Structures in Section VII below apply to this activity as well as the general conditions listed in the regional permit.

VI. SPECIAL CONDITIONS FOR DISCHARGES:

1. No discharge of dredged or fill material may consist of unsuitable material (e.g. trash, debris, car bodies, asphalt etc.) and material discharged must be free from toxic pollutants in toxic amounts (see Section 307 of the CWA). All authorized activities involving any discharge of pollutants into waters of the United States shall be consistent with applicable water quality standards, effluent limitations, standards of performance, prohibitions, and pretreatment standards and management practices established pursuant to the CWA (33 U.S.C. § 1251 *et seq.*) and applicable state and local laws.
2. Discharges occurring in areas that contain submerged aquatic vegetation (SAV) may require additional avoidance and minimization measures, time of year restrictions, compensatory mitigation, and/or separate Department of the Army authorization to reduce impacts to SAV.
3. No discharge of dredged or fill material may occur in the proximity of a public water supply intake except where the discharge is for adjacent bank stabilization.
4. No discharge of dredged or fill material may occur in areas of concentrated shellfish production.
5. Authorizations for discharges of dredged or fill material into native trout waters or anadromous fish use areas will be conditioned to limit in-stream work within timeframes recommended by the DGIF and/or NOAA Fisheries. Coordination with DGIF and/or NOAA Fisheries will be conducted by the Corps. The applicant shall not begin work until notification is received that all coordination has been completed and/or the Corps has provided the applicant with the appropriate time of year restrictions regarding work in native trout waters or anadromous fish use areas.
6. Discharges of dredged or fill material must not permanently restrict or impede the passage of normal or expected high flows.

7. Discharges of dredged or fill material into breeding areas for migratory waterfowl must be avoided to the maximum extent practicable.
8. Discharges into breeding areas for migratory waterfowl must be avoided to the maximum extent practicable.
9. All temporarily disturbed waters and wetlands must be restored to preconstruction contours as soon as these areas are no longer needed for their authorized purpose, and not later than completion of project construction. Following restoration of contours, the soil in wetlands must be mechanically loosened to a depth of 12 inches, and the wetlands must then be seeded or sprigged with appropriate native wetland vegetation.

VII. SPECIAL CONDITIONS FOR STRUCTURES:

1. The permittee must install and maintain, at his/her expense, any safety lights, markers and/or signals prescribed by the United States Coast Guard (USCG), through regulations or otherwise, on the authorized facilities and/or structures. The USCG may be reached at the following address and telephone number: Commander (oan), Fifth Coast Guard District, Federal Building, 431 Crawford Street, Portsmouth, Virginia 23704, and telephone number (757) 398-6230.
2. The permittee hereby acknowledges and recognizes the possibility that the structures permitted herein may be subject to damage by waves caused by wash from passing vessels. The issuance of this RP does not relieve the permittee from taking all proper steps to ensure the integrity of the structure permitted herein and to safeguard the safety of boats moored thereto from damage by waves. The permittee hereby acknowledges that the United States has no involvement or responsibility or liability of any kind for any such damage and agrees that it shall not hold the U.S. liable or involve the U.S. in any actions or claims regarding any such damages.
3. If work will occur in areas that contain submerged aquatic vegetation (SAV), additional avoidance and minimization measures, such as relocating a structure or time of year restrictions, may be required to reduce impacts to SAV.

VIII. GENERAL CONDITIONS:

The following conditions apply to all activities authorized under Regional General Permits (RP).

1. **Geographic jurisdiction.** This regional permit will authorize work undertaken within the geographical limits of the Commonwealth of Virginia under the regulatory jurisdiction of the Norfolk District.
2. **Compliance Certification.** A Certificate of Compliance must be completed and a copy retained for your records. The original Certificate of Compliance shall be mailed to, U. S. Army Corps of Engineers, Regulatory Branch, 803 Front Street, Norfolk, Virginia 23510-1096 within 30 days of completion of the project.
3. **Other permits.** Authorization does not obviate the need to obtain other Federal, state, or local authorizations required by law or to comply with all Federal, state, or local laws.

4. **Minimal effects.** Projects authorized shall have no more than minimal individual or cumulative adverse environmental impacts, as determined by the Norfolk District.
5. **Discretionary authority.** The Norfolk District Corps of Engineers District Commander retains discretionary authority to require processing of an individual permit based on concerns for the aquatic environment or for any other factor of the public interest (33 C.F.R. § 320.4(a)). This authority is exercised on a case-by-case basis.
6. **Single and complete projects.** This RP shall only be applied to single and complete projects. For purposes of this RP, a single and complete project means the total project proposed or accomplished by one owner/developer or partnership or other association of owners/developers and which has independent utility. A project is considered to have independent utility if it would be constructed absent the construction of other projects in the project area. Portions of a multi-phase project that depend upon other phases of the project do not have independent utility. Phases of a project that would be constructed even if the other phases were not built can be considered as single and complete projects with independent utility.
7. **Multiple general permit authorizations.** This Regional Permit may be combined with any Corps general permits (including Nationwide (NWP) or Regional Permits (RP) for a single and complete project, as long as the acreage loss of waters of the United States authorized by the NWPs/RPs does not exceed the acreage limit of the NWP/RP with the highest specified acreage limit.
8. **Permit on-site.** The permittee shall ensure that a copy of the RP and the accompanying authorization letter are at the work site at all times. These copies must be made available to any regulatory representative upon request. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be expected to comply with all conditions of any general permit authorization.

General Conditions Related to National Concerns:

9. **Historic properties.** (a) In cases where it is determined that the activity may affect properties listed, or eligible for listing on, the National Register of Historic Places, the activity is not authorized until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied. (b) Federal permittees should follow their own procedures for complying with the requirements of Section 106 of the National Historic Preservation Act. Federal permittees must provide the Norfolk District with the appropriate documentation to demonstrate compliance with those requirements. (c) Non-federal permittees must submit a statement to the Corps regarding the authorized activity's potential to cause effects to any historic properties listed, or determined to be eligible for listing on, the National Register of Historic Places, including previously unidentified properties. The statement must say which historic properties may be affected by the proposed work or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location or potential for the presence of historic resources can be sought from the Virginia Department of Historic Resources and the National Register of Historic Places. Where an applicant has identified historic properties which the proposed activity may have the potential to affect, the applicant shall not begin the activity until notified by the Norfolk District that the activity has no potential to cause effects or that consultation under Section 106 of the NHPA has been completed. (d) Prospective permittees should be aware that Section 110(k) of the NHPA (16 U.S.C. § 470(h)-2(k)) prevents the Corps from granting a permit or other assistance to an applicant who, with

intent to avoid the requirements of Section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effects created or permitted by the applicant. If circumstances justify granting the assistance, the Norfolk District is required to notify the ACHP and provide documentation specifying the circumstances, explaining the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, State Historic Preservation Officer, Tribal Historic Preservation Officer, appropriate Indian tribes if the undertaking occurs on or affect historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have legitimate interest in the impacts to the permitted activity on historic properties. If the permittee, during construction or work authorized herein, encounters a previously unidentified archaeological or other cultural resource, he/she must immediately stop work and notify the Norfolk District of what has been found. Coordination with the Virginia Department of Historic Resources will commence and the permittee will subsequently be advised when he/she may recommence work.

- 10. Tribal rights.** No activity authorized may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.
- 11. National lands.** Authorized activities shall not impinge upon the value of any National Wildlife Refuge, National Forest, National Park, or any other area administered by the FWS, U.S. Forest Service, or National Park Service.
- 12. Endangered species.** (a) No activity is authorized under any RP which is likely to jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will destroy or adversely modify the critical habitat of such species. No activity is authorized under any RP which “may affect” a listed species or critical habitat, unless Section 7 consultation addressing the effects of the proposed activity has been completed. (b) Federal agencies should follow their own procedures for complying with the requirements of the ESA. Federal permittees must provide the district commander with the appropriate documentation to demonstrate compliance with those requirements. (c) Non-federal permittees shall notify the district commander if any listed species or designated critical habitat might be affected or is in the vicinity of the project, or if the project is located in designated critical habitat, and shall not begin work on the activity until notified by the district commander that the requirements of the ESA have been satisfied and that the activity is authorized. Information on the location of threatened and endangered species and their critical habitat can be obtained directly from the USFWS Virginia Field Office at 6669 Short Lane, Gloucester, VA 23061 and/or NOAA Fisheries Habitat Conservation Division, P.O. Box 1346, 7580 Spencer Road, Gloucester Point, VA 23062. For activities that might affect Federally-listed rare, endangered, or threatened species or designated critical habitat, notification must include the name(s) of the endangered or threatened species that may be affected by the proposed work or that utilize the designated critical habitat that may be affected by the proposed work. The district commander will determine whether the proposed activity “may affect” or will have “no effect” to listed species and designated critical habitat and will notify the non-Federal applicant of the Corps’ determination within 45 days of receipt of a complete notification. In cases where the non-Federal applicant has identified listed species or critical habitat that might be affected or is in the vicinity of the project, and has so notified the Corps, the applicant shall not begin work until the Corps has provided

notification the proposed activities will have “no effect” on listed species or critical habitat, or until Section 7 consultation has been completed. (d) As a result of formal or informal consultation with the FWS or NOAA FISHERIES the district commander may add species-specific regional endangered species conditions to the RP. (e) Authorization of an activity by a RP does not authorize the “take” of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with “incidental take” provisions, etc.) from the U.S. FWS or the NOAA Fisheries, both lethal and non-lethal “takes” of protected species are in violation of the ESA.

- 13. Essential Fish Habitat.** The Magnuson-Stevens Fishery Conservation and Management Act (MSFCMA), as amended by the Sustainable Fisheries Act of 1996 (Public Law 104-297; 11 October 1996), requires all Federal agencies to consult with the NOAA Fisheries on all actions, or proposed actions, permitted, funded, or undertaken by the agency that may adversely effect Essential Fish Habitat (EFH). The EFH Designations within the Northeast Region (Maine to Virginia), dated March 1, 1999, has identified EFH for a number of species and their life stages within Virginia waters. If EFH consultation is required, the applicant shall not begin work until the Corps has provided notification that the EFH consultation has concluded.
- 14. Wild and Scenic Rivers.** Currently, there are no designated Wild and Scenic Rivers in the Commonwealth of Virginia; however, the portion of the Upper New River from Glen Lyn, Virginia to the West Virginia/Virginia state line was designated a “study river” by Congress on October 26, 1992. No activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a “study river” for possible inclusion in the system, while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river has determined, in writing, that the proposed activity will not adversely affect the Wild and Scenic River designation or study status. Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency in the area (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service). Impacts that occur in these resource areas will require coordination with the appropriate Federal agency.
- 15. Federal navigation project.** Authorized activities may not interfere with any existing or proposed Federal navigation projects.
- 16. Navigation.** (a) No authorized activity may cause more than a minimal adverse effect on navigation. (b) The permittee understands and agrees that if future operations by the United States require the removal, relocation, or other alteration of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his/her authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Norfolk District, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.
- 17. Floodplains.** All practicable efforts shall be made to conduct the work authorized by this RP in a manner so as to avoid any adverse impact on the Federal Emergency Management Agency (FEMA) designated 100-year floodplain.
- 18. Real estate.** Activities authorized under this RP do not grant any Corps real estate rights. If real estate rights are needed from the Corps, you must contact the Corps Real Estate Office at (757) 201-7736 or at the address listed on the front page of this permit.

- 19. Environmental Justice.** Activities authorized under this RP must comply with Executive Order 12898, “Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations”.
- 20. Federal liability.** In issuing this RP, the Federal government does not assume any liability for the following: (a) damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes; (b) damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest; (c) damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this RP; (d) design or construction deficiencies associated with the permitted work; (e) damage claims associated with any future modification, suspension, or revocation of this permit.

General Conditions Related to Minimizing Environmental Impacts:

- 21. Avoidance and minimization.** Discharges of dredged or fill material into waters of the United States shall be avoided and impacts minimized to the maximum extent practicable.
- 22. Heavy equipment in wetlands.** Heavy equipment working in wetlands must be placed on mats or other measures must be taken to minimize soil disturbance.
- 23. Temporary fills.** All temporarily disturbed waters and wetlands must be restored to preconstruction contours as soon as these areas are no longer needed for their authorized purpose, and not later than completion of project construction. Following restoration of contours, the soil in wetlands must be mechanically loosened to a depth of 12 inches, and the wetlands must then be seeded or sprigged with appropriate native wetland vegetation.
- 24. Sedimentation and erosion control.** Appropriate erosion and sediment controls must be employed and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark, must be permanently stabilized at the earliest practicable date.
- 25. Aquatic life movements.** No authorized activities may substantially disrupt the movement of aquatic life indigenous to the waterbody, including those species which normally migrate through the area, unless the activity’s primary purpose is to impound water. The Norfolk District has determined that fish and wildlife are most often present in any stream being crossed, in the absence of evidence to the contrary.
- 26. Discharge of pollutants.** All authorized activities involving any discharge of pollutants into waters of the United States shall be consistent with applicable water quality standards, effluent limitations, standards of performance, prohibitions, and pretreatment standards and management practices established pursuant to the CWA (33 U.S.C. § 1251 *et seq.*) and applicable state and local laws. No discharge of dredged or fill material in association with this authorization may consist of unsuitable material such as trash, debris, car bodies, asphalt, etc.
- 27. Obstruction of high flows.** Discharges of dredged or fill material must not permanently restrict or impede the passage of normal or expected high flows.
- 28. Waterbird breeding areas.** Discharges of dredged or fill material into breeding areas for migratory waterfowl must be avoided to the maximum extent practicable.
- 29. Native trout and anadromous fishes.** Authorizations for discharges of dredged or fill material into native trout waters or anadromous fish use areas will be conditioned to limit in-stream work within timeframes recommended by the DGIF and/or NOAA Fisheries. Coordination with DGIF and/or NOAA Fisheries will be conducted by the Corps. The

applicant shall not begin work until notification is received that all coordination has been completed and/or the Corps has provided the applicant with the appropriate time of year restrictions regarding work in native trout waters or anadromous fish use areas.

- 30. Water supply intakes.** No discharge of dredged or fill material may occur in proximity of a public water supply intake except where the discharge is for adjacent bank stabilization.

General Procedural Conditions:

- 31. Inspections.** A copy of this permit and any verification letter must be provided to the contractor and made available at the project site to any regulatory representative. The permittee shall allow the Norfolk District to make periodic inspections at any time deemed necessary in order to assure that the activities being performed under authority of this permit are in accordance with the terms and conditions prescribed herein. The Norfolk District reserves the right to require post-construction engineering drawings and/or surveys of any work authorized under this RP, as deemed necessary on a case-by-case basis.
- 32. Maintenance.** The permittee shall maintain the work authorized herein in good condition and in conformance with all terms and conditions of this permit. All fills shall be properly maintained to ensure public safety.
- 33. Property rights.** This General Permit does not convey any property rights, either in real estate or material, or convey any exclusive privileges, nor does it authorize any injury to property or invasion of rights or any infringement of Federal, state, or local laws or regulations.
- 34. Modification, suspension, and revocation.** This RP may be either modified, suspended, or revoked in whole or in part pursuant to the policies and procedures of 33 C.F.R. § 325.7. Any such action shall not be the basis for any claim for damages against the United States.
- 35. Restoration directive.** The permittee, upon receipt of a restoration directive, shall restore the waters of the United States to their former conditions without expense to the United States and as directed by the Secretary of the Army or his/her authorized representative. If the permittee fails to comply with such a directive, the Secretary or his/her designee, may restore the waters of the United States to their former conditions, by contract or otherwise, and recover the cost from the permittee.
- 35. Special conditions.** The Norfolk District may impose other special conditions on a project authorized pursuant to this RP that are determined necessary to minimize adverse navigational and/or environmental effects or based on any other factor of the public interest. Failure to comply with all special and general conditions of this permit, including any additional project specific special conditions, constitutes a permit violation and may subject the permittee, or his/her contractor, to criminal, civil, or administrative penalties and/or restoration.
- 36. False or incomplete information.** In granting authorization pursuant to this permit, the Norfolk District has relied upon information and data provided by the permittee. If, subsequent to notification by the Norfolk District that a project qualifies for this permit, such information and data prove to be materially false or materially incomplete, the authorization may be suspended or revoked, in whole or in part, and/or the United States may institute appropriate legal proceedings.
- 37. Abandonment.** If the permittee decides to abandon the activity authorized under this general permit, unless such abandonment is merely the transfer of property to a third

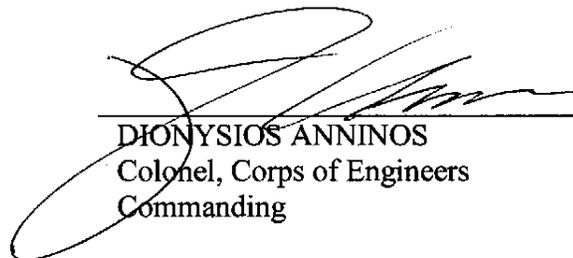
party, he/she may be required to restore the area to the satisfaction of the Norfolk District.

- 38. Transfer of authorization.** In order to transfer authorization under this RP, the transferee or permittee must supply the Norfolk District with a written request. Such transfer is effective upon written approval by the Norfolk District of a transfer document signed by both parties evidencing that the transferee commits to assuming all responsibilities of the original permittee under the permit.
- 39. Binding effect.** The provisions of the permit authorization shall be binding on any assignee or successor in interest of the original permittee.

General Conditions Regarding Duration of Authorizations, Time Extensions for Authorizations, and Permit Expiration:

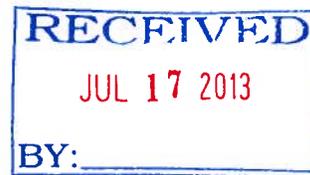
- 40. Duration of Activity's Authorization.** Activities authorized under 08-RP-19 must be completed by August 14, 2013. If this RP is reissued at that time, and if this work has not been started or completed, but the project continues to meet the terms and conditions of the revalidated RP, then the project will continue to be authorized. The Norfolk District will issue a special public notice announcing any changes to the Regional Permits when they occur; however, it is incumbent upon you to remain informed of changes to the RPs. Activities which have commenced (i.e., are under construction) or are under contract to commence in reliance upon this RP that do not meet the terms and conditions of the revalidated RP will remain authorized provided the activity is completed within twelve months of the date of this RP's expiration (i.e. August 14, 2014), unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 325.7(a-e). If work cannot be completed by August 14, 2014, you must reapply for separate permit authorization in order to meet current permit criteria.
- 41. Expiration of 08-RP-19.** Unless further modified, suspended, or revoked, this general permit will be in effect until August 14, 2013. Upon expiration, it may be considered for revalidation. Activities completed under the authorization of a RP which was in effect at the time the activity was completed continue to be authorized by that RP.

14 Aug 2008
Date


DIONYSIOS ANNINOS
Colonel, Corps of Engineers
Commanding

Appendix 4

Virginia Marine Resources Commission Permit



COMMONWEALTH of VIRGINIA

Marine Resources Commission

2600 Washington Avenue
Third Floor
Newport News, Virginia 23607

Douglas W. Domenech
Secretary of Natural Resources

Jack G. Travelstead
Commissioner

July 15, 2013

Middle Peninsula Chesapeake Bay Public Access Authority
P.O. Box 286
Saluda, VA 23149

RE: VMRC #13-0654

Dear Sir or Madam:

Enclosed is the Marine Resources Commission permit for your proposal to construct four (4) finger piers and install 13 free-standing pilings to create 11 wetslips at the Perrin River public pier adjacent to your property situated along the Perrin River at 2100 Perrin Creek Road in Gloucester County.

A yellow placard is also enclosed. This placard reflects the authorized activities for inspection purposes and must be conspicuously displayed at the work site throughout the construction phase. Failure to properly post the placard in a prominent location will be considered a violation of your permit conditions.

YOU ARE REMINDED THAT ANY DEVIATION FROM THE PERMIT OR ATTACHED DRAWINGS REQUIRES PRIOR AUTHORIZATION FROM THE MARINE RESOURCES COMMISSION. FAILURE TO OBTAIN THE NECESSARY MODIFICATION WILL BE CONSIDERED A VIOLATION AND COULD SUBJECT YOU TO CIVIL CHARGES IN AMOUNTS NOT TO EXCEED \$10,000 PER VIOLATION.

The work authorized by this permit is to be completed by July 31, 2016. Please note that in conformance with Special Condition 17 of your permit you are to notify the Commission prior to commencement of your permitted project. The enclosed self-addressed, stamped postcard is to be used for this purpose. All other conditions of the permit will remain in effect.

Please be advised that you may also require issuance of a U. S. Army Corps of Engineers permit before you begin work on this project. You may wish to contact them directly to verify any permitting requirements.

Sincerely,



Tony Watkinson
Chief, Habitat Management

TW/and

HM

Enclosures

cc: Gloucester County Wetlands Board

**COMMONWEALTH OF VIRGINIA
MARINE RESOURCES COMMISSION
PERMIT**

The Commonwealth of Virginia, Marine Resources Commission, hereinafter referred to as the Commission, on this 2nd day of July 2013 hereby grants unto:

**Middle Peninsula Chesapeake Bay Public Access Auth
Post Office Box 286
Saluda, VA 23149**

hereinafter referred to as the Permittee, permission to:

- X Encroach in, on, or over State-owned subaqueous bottoms pursuant to Chapter 12, Subtitle III, of Title 28.2 of the Code of Virginia.
- Use or develop tidal wetlands pursuant to Chapter 13, Subtitle III, of Title 28.2 of the Code of Virginia.

Permittee is hereby authorized to construct four (4) finger piers and install 13 free-standing pilings to create 11 wetslips at the Perrin River public pier adjacent to the Permittee's property situated along the Perrin River at 2100 Perrin Creek Road in Gloucester County. All activities authorized herein shall be accomplished in conformance with the plans and drawings dated received 4/30/2013, and revised drawings dated received 6/6/2013, which are attached and made a part of this permit.

This permit is granted subject to the following conditions:

- (1) The work authorized by this permit is to be completed by **July 31st, 2016**. The Permittee shall notify the Commission when the project is completed. The completion date may be extended by the Commission in its discretion. Any such application for extension of time shall be in writing prior to the above completion date and shall specify the reason for such extension and the expected date of completion of construction. All other conditions remain in effect until revoked by the Commission or the General Assembly.
- (2) This permit grants no authority to the Permittee to encroach upon the property rights, including riparian rights, of others.
- (3) The duly authorized agents of the Commission shall have the right to enter upon the premises at reasonable times, for the purpose of inspecting the work being done pursuant to this permit.
- (4) The Permittee shall comply with the water quality standards as established by the Department of Environmental Quality, Water Division, and all other applicable laws, ordinances, rules and regulations affecting the conduct of the project. The granting of this permit shall not relieve the Permittee of the responsibility of obtaining any and all other permits or authority for the projects.
- (5) This permit shall not be transferred without written consent of the Commissioner.
- (6) This permit shall not affect or interfere with the right vouchsafed to the people of Virginia concerning fishing, fowling and the catching of and taking of oysters and other shellfish in and from the bottom of acres and waters not included within the terms of this permit.
- (7) The Permittee shall, to the greatest extent practicable, minimize the adverse effects of the project upon adjacent properties and wetlands and upon the natural resources of the Commonwealth.
- (8) This permit may be revoked at any time by the Commission upon the failure of the Permittee to comply with any of the terms and conditions hereof or at the will of the General Assembly of Virginia.
- (9) There is expressly excluded from the permit any portion of the waters within the boundaries of the Baylor Survey.
- (10) This permit is subject to any lease of oyster planting ground in effect on the date of this permit. Nothing in this permit shall be construed as allowing the Permittee to encroach on any lease without the consent of the leaseholder. The Permittee shall be liable for any damages to such lease.
- (11) The issuance of this permit does not confer upon the Permittee any interest or title to the beds of the waters.
- (12) All structures authorized by this permit, which are not maintained in good repair, shall be completely removed from State-owned bottom within three (3) months after notification by the Commission.
- (13) The Permittee agrees to comply with all of the terms and conditions as set forth in this permit and that the project will be accomplished within the boundaries as outlined in the plans attached hereto. Any encroachment beyond the limits of this permit shall constitute a Class 1 misdemeanor.
- (14) This permit authorizes no claim to archaeological artifacts that may be encountered during the course of construction. If, however, archaeological remains are encountered, the Permittee agrees to notify the Commission, who will, in turn notify the Department of Historic Resources. The Permittee further agrees to cooperate with agencies of the Commonwealth in the recovery of archaeological remains if deemed necessary.
- (15) The Permittee agrees to indemnify and save harmless the Commonwealth of Virginia from any liability arising from the establishment, operation or maintenance of said project.

The following special conditions are imposed on this permit:

- (16) The yellow placard accompanying this permit document must be conspicuously displayed at the work site.
- (17) Permittee agrees to notify the Commission a minimum of 15 days prior to the start of the activities authorized by this permit.

Description of Fees	Amount	Unit of Measure	Rate	Total	Frequency	After-The-Fact
Permit Fee				\$25.00	One-Time	
Total Permit Fees				\$25.00		

This permit consists of 6 Pages

PERMITTEE

Permittee's signature is affixed hereto as evidence of acceptance of all of the terms and conditions herein.

In cases where the Permittee is a corporation, agency or political jurisdiction, please assure that the individual who signs for the Permittee has proper authorization to bind the organization to the financial and performance obligations which result from activity authorized by this permit.

PERMITTEE

Accepted for Middle Peninsula Chesapeake Bay Public Access Auth

11TH day of July, 2013

By [Signature] SECRETARY
(Name) (Title)

State of Virginia

City (or County) of Middlesex, to-wit:

I, Elizabeth G. Solmsen a Notary Public in and for said City (or County) and State hereby certify that Lewis L. Lawrence, Permittee, whose name is signed to the foregoing, has acknowledged the same before me in my City (or County) and State aforesaid.

Given under my hand this 11TH day of July, 2013

My Commission Expires: June 30, 2015

Notary Public [Signature]

COMMISSION

IN WITNESS WHEREOF, the Commonwealth of Virginia, Marine Resources Commission has caused these presents to be executed in its behalf by TONY WATKINSON, CHIEF HABITAT MANAGEMENT
(Name) (Title) Marine Resources Commission

15th day of JULY, 2013

By [Signature]

State of Virginia
City of Newport News, to-wit:

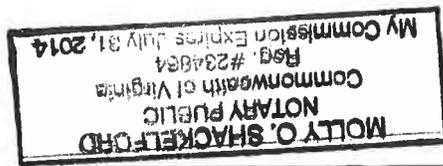
I, MOLLY O. SHACKELFORD, a Notary Public within and for said City, State of Virginia, hereby certify that TONY WATKINSON, whose name is signed to the foregoing, bearing the 2nd day of July 2013, has acknowledged the same before me in City aforesaid.

Given under my hand this 15th day of JULY, 2013

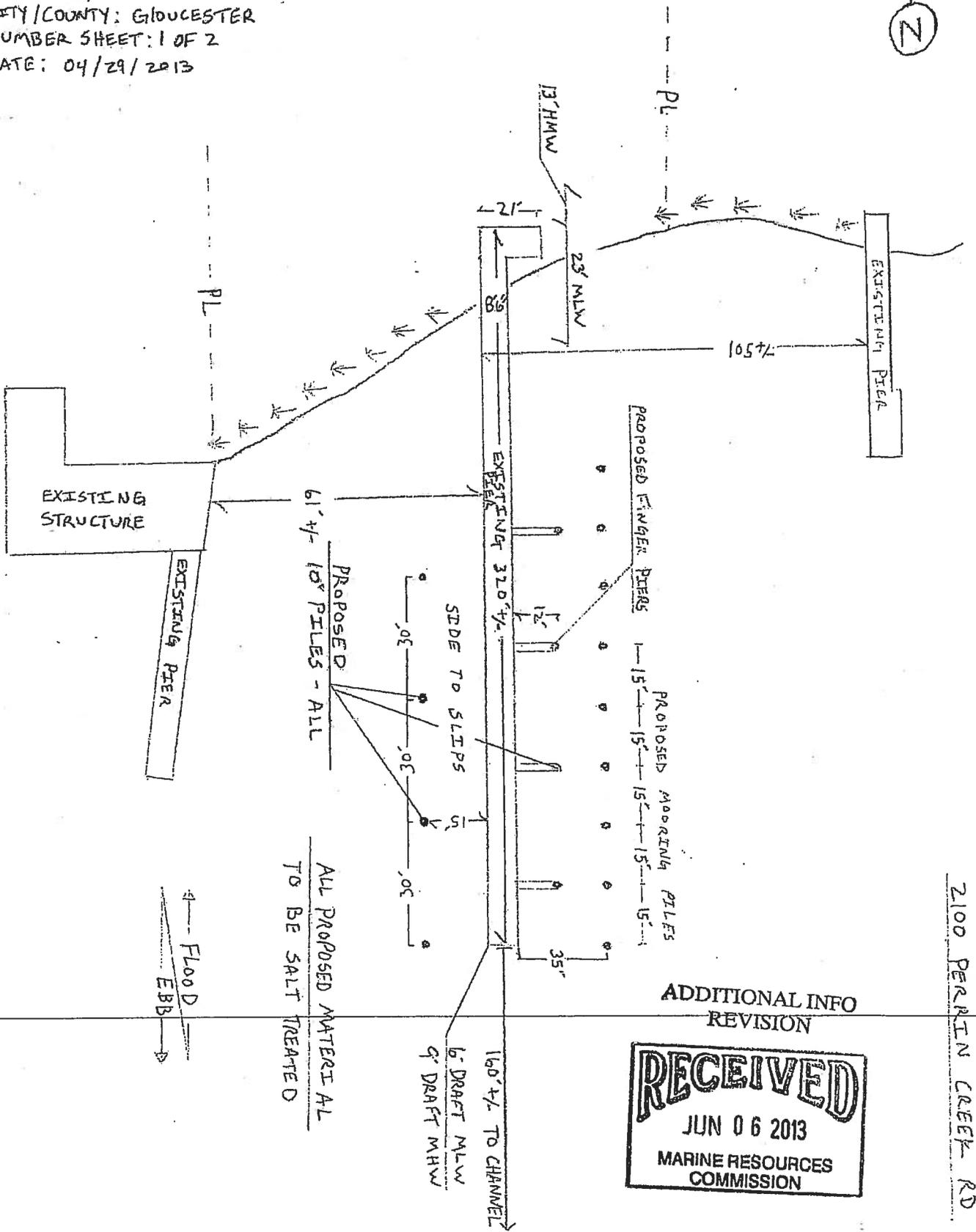
My Commission Expires:

Notary Public [Signature]

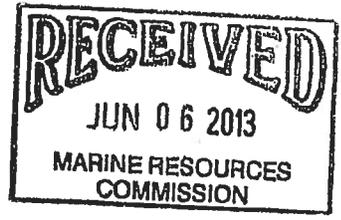
JULY 31, 2014



APPLICANT: MIDDLE PENINSULA CHESAPEAKE BAY PUBLIC ACCESS AUTHORITY
 WATERWAY: PERRIN RIVER
 CITY/COUNTY: GLOUCESTER
 NUMBER SHEET: 1 OF 2
 DATE: 04/29/2013

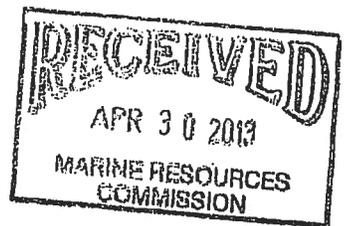


ADDITIONAL INFO REVISION

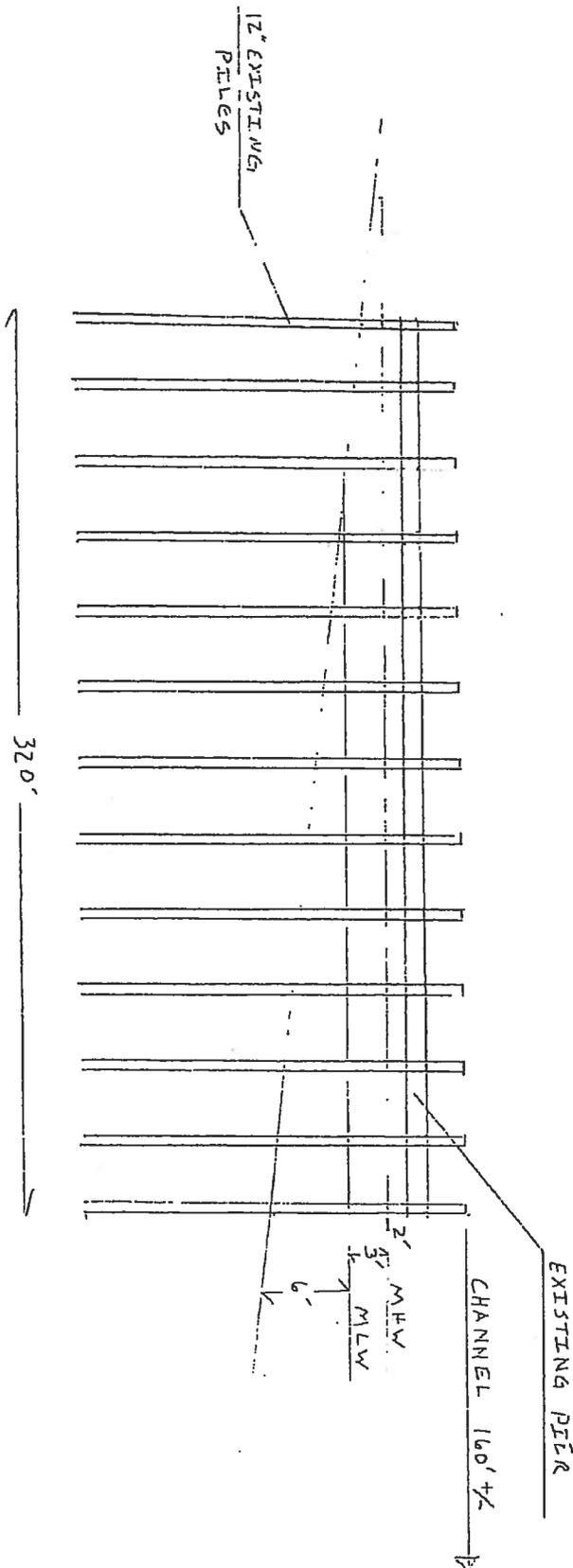


2100 PERRIN CREEK RD

APPLICANT: MIDDLE PENINSULA CHESAPEAKE BAY PUBLIC ACCESS AUTHORITY
 WATERWAY: PERRIN RIVER
 CITY/COUNTY: GLOUCESTER
 NUMBER SHEET: 2 OF 2
 DATE: 04/29/2013



75'
 - 10 PROPOSED SLIPS /
 - 5 SLIPS PER SIDE



ALL PROPOSED MATERIAL
 TO BE SALT TREATED &
 ALL HARDWARE TO BE
 GALVANIZED. 10" NEW PILES

2100 PERRIN CREEK RD

Appendix 5

Gloucester County Building Permit



Building Permit

County of Gloucester, Virginia

Failure to comply with Building Code subject to fine. This permit must be posted conspicuously on the premises during the period of construction. This permit shall expire 6 months from the date of issuance, unless construction has been started and the project completed within a reasonable time.

Permit Number: 13070153	Date: 08/05/2013
Issued For: 24' HANDICAPPED RAMP, 4 FINGER PIERS	Location: 0
Owner: PUBLIC LANDING	Contractor: ACELUTION INC
Parcel ID: 29758	Building Code: 2009USBC
MLA:	

Paul Kessler
Building Official

Date Issued: 08/05/2013



Gloucester County Virginia

P.O. Box 329 ♦ Gloucester, Virginia ♦ 23061
(804) 693-2744

Building Plan Review - Approved Not Approved

Date: 07/24/2013		Plan Reviewer: PKOLL	
Building Code: 2009USBC			
Owner:	PUBLIC LANDING GENERAL DELIVERY GLOUCESTER , VA 23061		
Contractor:	ACELUTION INC		
Project: 24' HANDICAPPED RAMP, 4 FINGER PIERS			
Use Group: ,		Type of Construction:	
Occupancy Load:			

NOTES

BLDG 07/15/2013 pkoll A 2009 USBC
ACCESSIBLE RAMP AND FINGER PIERS
RAMP 4' x 24' = 96
sf
FINGER PIERS (4) 3' x 12' = 144

240 sf Total

NOTES:

APPROVED PLANS:

...One set of the approved construction documents shall be retained for the records of the local building department and one set shall be kept at the building site and shall be available to the building official at all reasonable times. USBC 109.5



Gloucester County Virginia

P.O. Box 329 ♦ Gloucester, Virginia ♦ 23061
(804) 693-2744

Building Permit - Approved

Permit No.: 13070153	Date: 08/05/2013
Name of Property Owner: PUBLIC LANDING	Building Site Address: 0
Name of Building Contractor: ACELUTION INC	Flood Zone:
RPC: 29758	Building Code: 2009USBC
Fee: ----- *** FEE TOTALS *** 35.00 35.00 0.00	
Type of Project: 24' HANDICAPPED RAMP, 4 FINGER PIERS	

Mechanic Lien Information

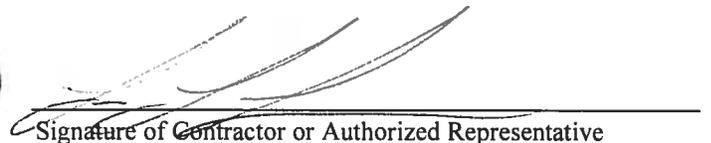
Mechanic Lien Agent:

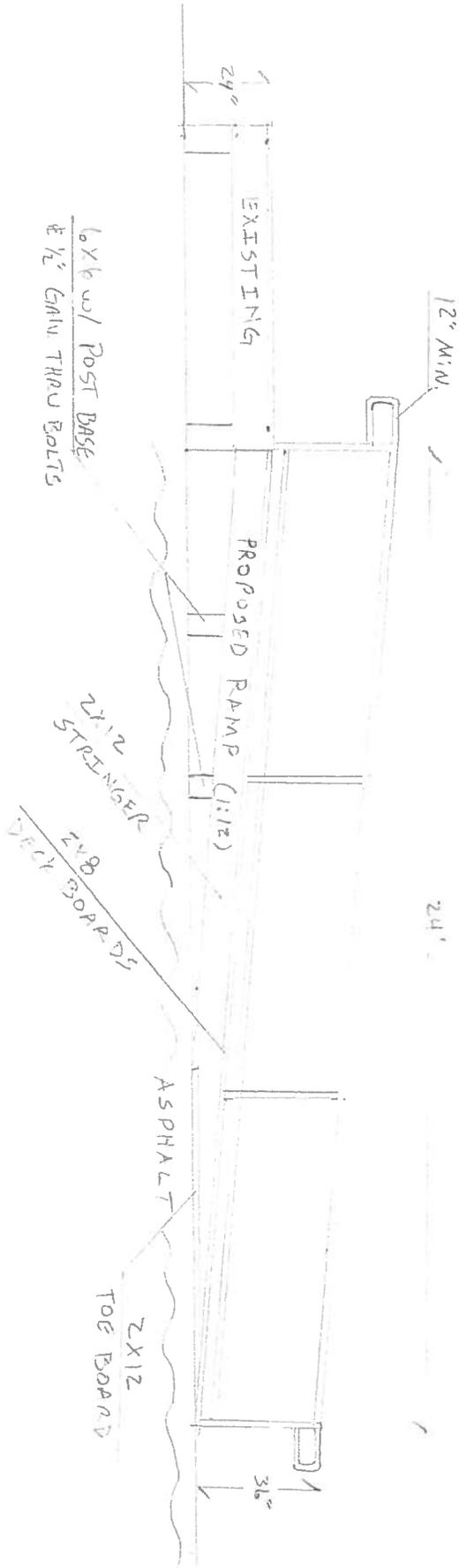
Address:

Phone:

PERMIT EXPIRATION IN SIX MONTHS: Permit expires after six (6) months from the date of issuance, unless substantive progress has been demonstrated by an approved inspection by this department within that and any subsequent six (6) month period. USBC 110.6


Building Official Signature


Signature of Contractor or Authorized Representative



ALL PROPOSED MATERIALS TO BE PRESSURE TREATED

See Plan Review Note

THESE PLANS HAVE BEEN REVIEWED BY THE GLOUCESTER COUNTY OFFICE OF BUILDING INSPECTION AND HAVE BEEN APPROVED WITHOUT COMMENT (SUBJECT TO FIELD INSPECTION). THIS COPY AS WELL AS ANY COMMENTS FROM THE INSPECTION OFFICE MUST BE KEPT ON THE JOB SITE AND MADE AVAILABLE FOR REVIEW BY INSPECTION PERSONNEL AT ALL RESPONSIBLE TIMES.

PLAN REVIEWER

DATE

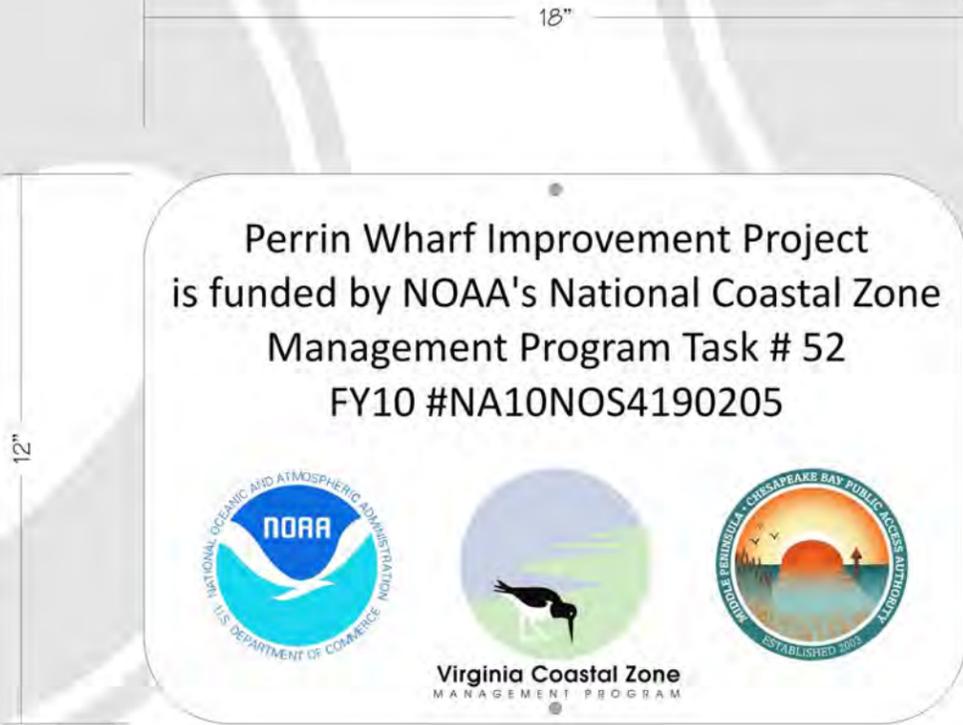
[Signature]

7-15-2013

1/4" = 1' Scale

Appendix 6

Virginia Coastal Zone Management Program Sign



SPECIFICATIONS:

Scope: Fabricate & Install

Qty: 1

Type: .125" Painted aluminum panel w/ black cut vinyl & digitally printed logos w/ laminate overlay.

CONSTRUCTION:

Panel: .125" aluminum

Finish: Gloss polyurethane

Graphics: Cut vinyl & digitally printed

Mounting: Lag bolts

COLORS:

Background:White

Copy:Black

Logos:Digital print on white opaque vinyl w/ laminate overlay



**SCOTTY
SIGNS**

Building Signs that Build Your Business

Office: 757-245-7129 5948 Jefferson Avenue
National: 800-726-8897 Newport News, VA 23605
Fax: 757-928-1966 www.scottysigns.com

This design is the sole property of Scotty Signs, Inc. All designs, manufacturing, reproduction, use and sale of logo rights regarding the same are expressly forbidden. It is submitted under a confidential relationship, for a special purpose, and the recipient, by accepting this document assumes and agrees that this document will not be copied or reproduced in whole or in part, nor its contents revealed in any manner or to any person the purpose for which it was tendered, nor any special features peculiar to this design be incorporated in other projects.

Client:

Lewie-Perrin

ALUMINUM PANEL

Approved by:

Scale: 3" = 1'-0"

Date: 10.07.13

Salesman: Paul Martin

Drawn by: CLF

Drawing No: 11506 - Perrin Wharf, Alum Panel

Page: 1

Appendix 7

Gloucester Gazette Journal Article

Gloucester Gazette Journal

Perrin Wharf reconfigured to help watermen

by [Bill Nachman](#) | Posted on Sep 25, 2013 - 09:49 AM



[Printer Friendly View](#)

Perrin Wharf has been reconfigured to provide additional spots where local watermen can tie up their boats to load, unload or leave them for the night.

Harrison Bresee, regional economic planner for the Middle Peninsula Planning District Commission, said during a tour of the property Sept. 12 that the first phase of upgrades at the property, located at the end of Perrin Wharf Road in Guinea, was completed recently.

That phase included installation of nine mostly perpendicular slips, with three finger piers, where boats can have a more protected berth than the handful of spots still available parallel to the pier. Health department regulations forbid anyone from staying aboard a boat tied up at the wharf overnight.

A handicapped ramp is to be built and a portable toilet brought in this fall, Bresee said, and improvements to the parking lot should be made next spring.

Watermen will pay a fee to reserve one of the slips, Bresee said, with the rate still being finalized. Several watermen have suggested \$100 a month to berth their boats there, he said. Bresee plans to meet with commercial watermen soon to discuss the rate structure before any fees are collected.

MPPDC serves as staff for the Middle Peninsula Public Access Authority. Bresee said he, on behalf of the authority, plans to meet regularly with watermen who use Perrin Wharf, as well as neighbors who might want input to its use and upkeep. Besides commercial watermen, Bresee said that some people go onto the main pier to crab or fish and others use the public landing to launch kayaks. The pier is located near Crown Pointe Marina and between a private pier and Belvin Seafood.

Fees collected will go into a special maintenance fund, which Bresee said can be used to make other improvements to Perrin Wharf in the years ahead. For example, the installation of slips did not include repairs to the 320-foot long, eight-foot wide pier.

"I think it's a good idea," Randy Shackelford of Hayes said. Shackelford said he already has a favorite spot picked out which he hopes he can get to tie up.

Shackelford said he has been working off Perrin Wharf for some time. Shackelford and his crew, Billy Lee Kellum of Hayes, said Perrin Wharf is very convenient to their crab pots, which are located less than one mile away.

Edward Hogge of Gloucester Point said he won't mind paying a fee to tie up to a slip at the pier, which he has used for many years.

The improvements took place because a number of things fell into place, Bresee said, but the boat slips have been in the planning stages for some time. First, the Middle Peninsula Public Access Authority had to obtain ownership of the wharf from the Virginia Department of Transportation. Then, the authority received an approximately \$6,000 grant from the Virginia Coastal Zone Management Program. That money was used for finger piers to create boat slips and for some pilings.

Several other pilings used at the project were donated by the Gloucester Department of Parks, Recreation and Tourism, which had been given a number of surplus poles from another locality.

A big player in the slips actually being built, Bresee said, was Captain Dan Hobby of Acelution in Yorktown. Hobby donated over \$8,000 in marine labor and equipment to install the slips at Perrin Wharf earlier this month.

Also, MPPDC executive director Lewis L. Lawrence said that Don McClellan of Lots Cleared, Inc., donated heavy equipment to transport slip poles donated by PRT, and Scotty Signs/Martin's Custom DeSigns, Inc., designed and produced signs for the project.

"The preservation of working waterfront infrastructure is critical to ensure the economic vitality of seafood industry in Perrin," Lawrence said. "The improvements at Perrin Wharf would not have been possible without a partnership of many public and private entities."

The Gloucester Board of Supervisors had requested that the authority "take a more active role supporting and preserving the commercial seafood industry down in Perrin," Lawrence said, and also asked the authority to "find a way to improve management of the Perrin Wharf."

Bresee said the authority also is exploring the feasibility of improvements at Aberdeen Creek to benefit commercial watermen. A dredge study and an infrastructure study are both proposed for that site, he said.

