

Wetlands and Dune Board

Public Hearing Agenda

September 23, 2013

4:00 P.M.

1. **Call to Order; Roll Call**
2. **Consent Agenda**
 - A. Approval of Agenda Format
 - B. Approval of Minutes
3. **Hearings on the matters of:**
 - A. *Peacock Holdings VA LLC, JPA #13-1222* – Install 310 linear feet of stone riprap situated along the Chesapeake Bay adjacent to Aqua Restaurant
 - Overview of application
 - Applicant's presentation
 - Public comment
 - Wetlands and Dune Board discussion/deliberation
 - Decision
4. **Adjourn**



DRAFT
Wetlands/Coastal Dune Board
Public Hearing & Meeting
Town Hall
April 22, 2013
3:00 p.m.

At 3:04 p.m. in the Town Hall, Chairwoman Ann Hayward Walker, having established a quorum, called to order the Wetlands/Coastal Dune Board Public Hearing and Meeting. In attendance were Board members Russ Dunton, Bruce Lindeman and Bob Roche. Board member Wayne Creed had resigned effective April 1, 2013 and due to the short notice, new Board member Ray Salopek was not able to attend. Also present were Town Planner Tom Bonadeo, Town Clerk Libby Hume, Don MacLennan from Engineering Resources Group, LLC, Oral Lambert from Bay Creek South and Hank Badger from the Virginia Marine Resources Commission. There were no members of the public in attendance.

CONSENT AGENDA

Motion made by Russ Dunton, seconded by Bob Roche, to accept the agenda format as presented. The motion was unanimously approved.

The Board reviewed the minutes from the November 2, 2012 Public Hearing and Meeting.

Motion made by Russ Dunton, seconded by Bruce Lindeman, to accept the minutes of the November 2, 2012 Public Hearing and Meeting as presented. The motion was unanimously approved.

BUSINESS

A. Bay Creek South LLC JPA #13-0416

Tom Bonadeo stated that an application was received to install 600' of stone revetment along the Chesapeake Bay to protect the 5th hole of the Nicklaus Golf Course. This area was just north of the northern most breakwater of the group installed in 2003. Hurricane Sandy had eroded the beach, dune and cart path west of the general area of the 5th hole of the Nicklaus Course. Tom Bonadeo showed photographs dated April 16, 2013 to show the 600' of eroded bank and the beach/bank tapering off to the south of the site. The applicant proposed to dig down at the toe of the bank deep enough to be below mean low water to install a stone "bank" composed of Class I stone covered by Class III stone. Class III stone weighed 500 lbs. each and the design would protect the Nicklaus Golf Course investment of approximately \$15.5M. This golf course got approximately 13,800 rounds of play per year and the average spending per round was \$96 which resulted in an economic impact to the area of \$1,320,660 annually, not taking into consideration the jobs created in the maintenance of the course and other related facilities.

Tom Bonadeo went on to state that in 2010, the State developed a decision tree to aid in selecting the appropriate treatment for erosion along the Chesapeake and he had been working with the applicant regarding the decision tree.

Tom Bonadeo pointed out that this area was considered as part of the tiger beetle habitat. More than 14" of the depth of the beach in this area had eroded so much of the habitat may have been lost.

The Board also reviewed several photographs of the revetment built at the Aqua Restaurant which showed the damage incurred during Hurricane Sandy with only smaller stone. Class III stone, which was proposed for the project, was designed to withstand the wave action during a high tide event. The construction proposal was to build the revetment from the uplands and to restore the uplands to preconstruction vegetation. Tom Bonadeo also recommended plantings at the base of the revetment over the toe.

Tom Bonadeo introduced Don MacLennan who gave an overview of the proposed plans and added that if nothing was done by next fall, the golf course could be lost. Mr. MacLennan stated that breakwaters were constructed previously but nothing was planned for beach nourishment. The engineers had studied the existing breakwaters and found that breakwaters were not suitable for this area in that an enormous amount of area had been lost around the golf course and the heavy stone in the revetment would be able to withstand the good sized waves. The revetment would be high enough to go above FEMA's flood elevation level. This was the only practical solution to save the property. Mr. MacLennan passed around photos which showed the difference in the area over the last 5-year period.

Russ Dunton stated that he did not see any harm in the proposal and added that the revetment would be above the wetlands area so would not disturb the wetlands.

There was some discussion regarding the tiger beetle habitat and the applicant's obligation to protect the habitat. Mr. MacLennan stated that the construction crew would not be driving on the beach and would do whatever possible to alleviate any disturbance of the tiger beetle habitat, but the area of concern had eroded so much that it no longer was conducive for tiger beetles. Ann Hayward Walker added that Hurricane Sandy took the habitat and in her opinion, the property owners had no responsibility to restore the habitat that was destroyed by nature.

There was discussion regarding the importance of beach nourishment and the planting of vegetation in the area to help build sand during the summer months which would protect the area from added erosion during the hurricane season. Ann Hayward Walker added that the Town was required to have an annual beach maintenance plan and budget funding for beach nourishment in order to qualify for FEMA assistance. Tom Bonadeo added that the Town maintained the breakwaters and dunes as a first line of defense from storms.

Hank Badger asked whether a report was received from the Virginia Institute of Marine Science (VIMS). Tom Bonadeo stated that he had spoken with a representative from VIMS and no clear answer or guidance was given. He was informed that VIMS no longer prepared project reports.

Tom Bonadeo stated the following: i) the applicant looked at the existing breakwaters and compared the beach loss from 2004 to 2013; ii) alternatives were reviewed to protect the investment in the golf course; and iii) the applicant proposed a stone revetment to protect the area. Tom Bonadeo suggested that adding extra sand and plantings would go a long way to protect the area.

Mr. MacLennan stated that the applicant wanted to have the work completed by this fall and were considering the planting of vegetation.

Tom Bonadeo stated that the economic impact of the project had been reviewed, as well as the alternatives, beach protection/nourishment, the design including the addition of beach sand on the toe, planting of vegetation, etc. There was a possibility to use dredge spoils from a proposed maintenance dredging of the Cape Charles Harbor with approval by the U.S. Army Corps of Engineers (USACE).

It was noted that a decision was still needed from the USACE but all the other agencies stated that the project was out of their jurisdiction. Tom Bonadeo stated that he would notify the USACE of the Wetlands Board decision.

Ann Hayward Walker stated that she felt confident in the Board's decision. The Town had a track record of acting in accordance of the guidelines.

Russ Dunton asked the board if there were any other questions or concerns. There were none.

Motion made by Russ Dunton, seconded by Bob Roche, to approve the permit as presented. The motion was unanimously approved.

Tom Bonadeo stated that he was expecting another application regarding the wave attenuator constructed on the north end of the beach by the Bay Breeze Apartments and Bay Vistas development. Hurricane Sandy hit prior to the beach nourishment being completed and the storm took out the dune and soil in the area. The owners of the Bay Breeze Apartments were planning to move forward to protect the area so the damaged building could be repaired. The Bay Breeze Apartments were federally subsidized apartments and the USDA RD held the mortgage.

Russ Dunton asked about their jurisdiction and oversight for public projects in the Wetlands and Dune. Hank Badger stated that governments were exempt and there was no oversight in place and added that it was the local government's option to run their plans by the Board.

Motion made by Russ Dunton, seconded by Bruce Lindeman, and unanimously approved to adjourn the Wetlands/Coastal Dune Board Meeting.

Chairwoman Ann Hayward Walker

Town Clerk

The Cape Charles Wetlands Board will hold a public hearing on Monday, September 23, 2013 at 4:00 pm in the Town Hall at 2 Plum Street, Cape Charles to receive comment on Joint Permit Application #13-1222 for the repair and improvement to existing riprap for shoreline stabilization at Aqua Restaurant, 5 Marina Villages Circle, Cape Charles.

Information on this application can be viewed in the Planner's Office at 2 Plum Street or online at www.capecharles.org.

For handicap assistance, please call 757-331-3259 x15 at least 48 hours in advance.

(to run in the 9/11 and 9/18 issues of the ESN)

Wetlands and Dune Board Staff Report

From: Rob Testerman
Date: September 9, 2013
Item: 3A- JPA 13-1222 Peacock Holdings VA LLC
Attachments: JPA Application, Photos

Background

The Cape Charles Wetlands and Dune Board meets on an as-needed basis to review permit applications. This application has been received to install 310 feet of stone revetment along the Chesapeake Bay, to protect the Aqua Restaurant. This area was eroded by Hurricane Sandy, and is vulnerable to further damage from future storms.

Item Specifics

The application proposes to repair and extend existing rip rap along the shore. The Aqua Restaurant had previously obtained a prior permit that allowed the shoreline hardening, beach nourishment and offshore revetments. However, the previous owner constructed the shoreline hardening, but failed to construct the offshore revetments or do the beach nourishment. The beach eroded in later storms, and the rip rap was damaged during Sandy. Small sized, unauthorized bank hardening (brick and stone) was placed in the area, but much of this has spread across the adjacent beach area. This application also proposes to clean up the adjacent beach.

Because the nourishment and stabilization components were not constructed with the previous permit, there was a loss of beach in front of Aqua, as well as a physical disconnect from the beach system to the south of the restaurant. The proposed project will reconnect the beaches, and increase the square footage of the beach.

In addition to the shoreline stabilization and beach nourishment, the applicant is proposing a series of breakwaters to be installed. They are requesting to be permitted to construct four, but only anticipate constructing the southern three initially.

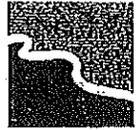
The attached sheet entitled "Attachment A" lists the proffers being submitted by the applicant.

Design Review – The proposal is using Class I and Class III stone. The existing Class I stone will be reused as core material. New Class II stone, weighing 200lbs per stone will be installed over filter cloth. 100% beach sand will be used for nourishment. There are photos attached dated 9/10/2013 that show the current revetment built at Aqua Restaurant. These photos show the damage that was incurred during Hurricane Sandy with only smaller stone.

Recommendation

Review the proposal, Decision Tree Flow Chart, photos and public comment. After discussion, determine whether issuance of the permit would be appropriate.

Mid Atlantic
ENVIRONMENTAL



Where Science Meets Solutions

Dear Reviewer,

We are submitting a JPA to repair and extend existing rip rap, construct offshore stone revetments and create tombolos, associated with the revetments. The Aqua Restaurant in Cape Charles was the subject of a prior permit (#09-0008) that included proposed shoreline hardening, beach nourishment and offshore revetments. The former owner and original applicant constructed the shoreline hardening component of the permit, but did not construct the offshore revetments or do beach nourishment. As a result the associated beach was washed away during subsequent storms. During Hurricane Sandy, the rip rap revetment, protecting the restaurant was damaged and sloughed. As a result, currently soil and filter cloth are exposed on the face of the bank. Additionally, unauthorized fill was placed to extend the bank hardening. Because much of it was of small size (brick and stone), it has spread across the adjacent beach area. This Application includes an extension to the north of the restaurant and seeks to clean up the adjacent beach.

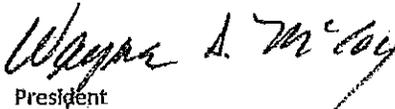
In addition, the Applicant wishes to add the offshore revetment component with beach nourishment, as originally proposed, but never constructed. We are asking to permit four breakwaters. However, we intend to only construct the three southernmost, initially. The reasoning for this approach is that there is a significant increase in SAV at the north end of the project area. In reviewing the Shoreline Evolution Study performed by Scott Hardaway, et al, this spit has been comparatively stable. We believe, therefore, that the impacts to SAV would not be justifiable. We will monitor the impacts to the beach, as this is Northeastern Beach Tiger Beetle habitat. Should there be an adverse impact to the northern end of the beach; the fourth breakwater would then be constructed.

The beach to the north of the restaurant provides habitat for the Tiger Beetle. The prior application was approved and included nourishment and stabilization components. Because these components were not constructed, there was a loss of beach in front of Aqua and a physical disconnection with the beach system south of the restaurant. This project recreates that connection, along with increasing the square footage of beach and stabilizing it with the breakwaters. The Applicant has offered the following proffers and conditions for approval in Attachment A.

We have performed an SAV Study to assess the impacts by the placement of the revetments and tombolos on the bottom and have included it in our drawings. In addition, we assessed the impact to the Atlantic Sturgeon. Since the sturgeon remains in the freshwater tributaries and would be transient in this area, we do not anticipate any impact to the sturgeon.

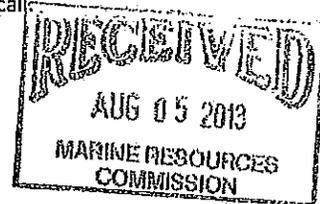
We appreciate your timely review. If we can answer any questions, please call:

Sincerely,


President

Aqua Restaurant
MAE Project # 13-448

A Limited Liability Corporation
1517 Mirassou Lane, Virginia Beach, VA 23454
757 560-5780 midatlanticevironmental.com Fax 757 496-8744



Attachment A

PROFFERS:

The Applicant agrees that the following reasonable and prudent measures are necessary and appropriate to minimize take and to create new habitat for the Northeastern Beach Tiger Beetle:

1. Construction activities must be conducted when adult beetles are not present.
2. Construction activity, materials, and equipment on the beach must be minimized to reduce the impact to adult and larval tiger beetles.

TERMS AND CONDITIONS

To be exempt from the prohibitions of Section 9 of the ESA, the Corps and the Applicant will comply with the following terms and conditions, which implement the reasonable and prudent measures described above.

1. No construction, earth-moving, or placement of materials or equipment will occur on the beach between June 1 and September 15 of any year.
2. No placement and operation of heavy equipment on the beach area for the purpose of maintenance of the breakwaters or sand replenishment between June 1 and September 15 of any year.
3. No refueling of equipment or vehicles will occur on the beach.
4. No use of pesticides on the beach.
5. The applicant is required to notify the USFWS (Mike Drummond) before initiation of construction and upon completion of the project.
6. Appropriate grain size will be used for beach nourishment activities. Beach quality sand (D50 of 0.4-0.7 millimeter sand grain size with no high clay/organics will be utilized.

Aqua Restaurant
MAE Project # 13-448

Part 1 -- General Information

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

County or City in which the project is located: <u>Cape Charles</u>
Waterway at project site: <u>Chesapeake Bay</u>

<p>1. Applicant's name* and complete mailing address:</p> <p>Peacock Holdings VA LLC 15 Whitehall Road Andover, NJ 07821</p>	<p>Contact Information:</p> <p>Home () _____</p> <p>Work (973) <u>948-8037</u></p> <p>Fax () _____</p> <p>Cell/ Pager () _____</p> <p>e-mail _____</p> <p>State Corporation Commission ID Number (if applicable) _____</p>
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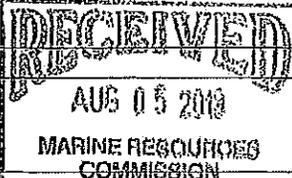
<p>2. Property owner(s) name* and complete address, if different from applicant</p>	<p>Contact Information:</p> <p>Home () _____</p> <p>Work () _____</p> <p>Fax () _____</p> <p>Cell/ Pager () _____</p> <p>e-mail _____</p> <p>State Corporation Commission ID Number (if applicable) _____</p>
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<p>3. Authorized agent name* and complete mailing address (if applicable):</p> <p>Mid Atlantic Environmental LLC 1517 Mirassou lane Virginia Beach, VA 23454</p>	<p>Contact Information:</p> <p>Home () _____</p> <p>Work (757) <u>560-5780</u></p> <p>Fax () _____</p> <p>Cell/ Pager () _____</p> <p>e-mail _____</p> <p>State Corporation Commission ID Number (if applicable) _____</p>
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* If multiple applicants, property owners, and/or agents, each must be listed and each must sign the applicant signature page. If for a company, use the SCC registered name.

4. Provide a detailed description of the project in the space below. If additional space is needed, provide a separate sheet of paper with the project description. Be sure to include how the construction site will be accessed, especially if clearing and/or grading will be required.

The Applicant wishes to repair the damage caused by Hurricane Sandy to the previously hardened shoreline, adjacent to the restaurant. The project area was in receipt of a previous permit, # 04-2884. The Class I rock, previously specified, will be changed to Class II Stone. Secondly, the Applicant wishes to receive approval for four offshore breakwaters and associated beach nourishment. Initially, only the three southern revetments will be constructed. Only should erosion be seen at the northern end of the sand spit, the fourth will be constructed. Construction access will be from the top of bank with a staging area on the adjacent vacant lot.

	<p>FOR AGENCY USE ONLY</p>
<p>AUG 05 2013</p> <p>MARINE RESOURCES COMMISSION</p>	<p>Notes:</p> <p>JPA # <u>13-1222</u></p>

Part 1 - General Information (continued)

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

Contractor's name* and complete mailing address:

Contact Information:

Home () _____

Work () _____

Fax () _____

Cell / Pager () _____

email _____

State Corporation Commission ID Number (if applicable) _____

* If multiple contractors, each must be listed and each must sign the applicant signature page. If for a company, use the SCC registered name.

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

Name and complete mailing address:

Telephone number

Eastern Shore News
618 Beam Street
Salisbury MD. 21801

(410) 749-7171 x1220

7. Give the following project location information:

Street Address (911 address if available) 5 Marina Villages Circle

Lot/Block/Parcel# 83A1-14-MV1, 83A1-14-MV2

Subdivision Bay Creek Marina

City / County Cape Charles Zipcode 23310

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

If the project is located in a rural area, please provide driving directions.

Note: if the project is in an undeveloped subdivision or property, clearly stake and identify property lines and location of the proposed project. A supplemental map showing how the property is to be subdivided should also be provided.

Part 1 - General Information (continued)

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

To repair and protect Aqua Restaurant from continued erosion. To keep the associated land from continuing to erode.

9. Proposed use (check one):

Single user (private, non-commercial, residential)

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

10. Describe the measures that will be taken to avoid and minimize impacts, to the maximum extent practicable, to wetlands, surface waters, submerged lands, and buffer areas associated with any disturbance (clearing, grading, excavating) during and after project construction.

Please be advised that unavoidable losses of tidal wetlands and/or aquatic resources may require compensatory mitigation.

With regard to the bank stabilization the current toe of slope will remain with no further encroachment into subaqueous bottom. Only three southern revetments will be constructed to avoid the area of increased SAV under the fourth revetment. The fourth will only be constructed if continued or increased erosion of the beach is observed. The Applicant is aware of fine grain size restrictions with regard to Tiger Beetle. The project will create new Beetle habitat and restore/reconnect beach in a previously impacted area construction access and material storage will be on currently maintained areas with no impact to natural areas or buffers.

11. Have you previously had a site visit, applied to, or obtained a permit from any agency (Federal, State, or Local) for any portion of the project described in this application or any other project at the site?

Yes* No * If you answered "Yes", provide the following information:

<u>Agency / Representative</u>	<u>Activity</u>	<u>Permit/Project No.</u>	<u>Action** & Date</u>
ACOE	Rip Rap/ OS Revetment	09-0008	Approved

(**Issued, Denied, Withdrawn, or Site Visit)

Part 1 - General Information (continued)

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

13. Approximate cost of the entire project (materials, labor, etc.): \$ 500,000
Approximate cost of that portion of the project which is below mean low water: \$ 450,000

14. Completion date of the proposed work: ASAP after receiving all permits - _____

15. Adjacent Property Owner Information: List the name and complete mailing address, including zip code, of each adjacent property owner to the project. (NOTE: a property owner/applicant cannot be their own adjacent property owner. You must give the next owner down the river, creek, etc).

1. MEGGINSON, A. RAY & DENYSE B. ETALS
1724 N. River Road
Virginia Beach, Va. 23454

2. Ballard Brothers Fish Company
P.O. Box 545
Cheriton, VA.

Part 2 - Signatures

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

NOTE: REQUIRED FOR ALL PROJECTS

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

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

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

Peacock Holdings VA LLC

Applicant's Name (printed/typed)

(Use if more than one applicant)

Applicant's Signature

(Use if more than one applicant)

Date

7/25/13

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

(Use if more than one owner)

Property Owner's Signature

(Use if more than one owner)

Date

6/25/13

Part 2 – Signatures (continued)

2. Applicants having agents (if applicable)

CERTIFICATION OF AUTHORIZATION

I (we), Peacock Holdings VA, hereby certify that I (we) have authorized Mid Atlantic Environmental LLC (Applicant's name(s)) (Agent's name(s))

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

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

[Handwritten Signature] (Agent's Signature)

(Use if more than one agent)

6/26/13 (Date)

[Handwritten Signature] (Applicant's Signature)

(Use if more than one applicant)

6/25/13 (Date)

3. Applicant's having contractors (if applicable)

CONTRACTOR ACKNOWLEDGEMENT

I (we), Schel Architects, have contracted UNKNOWN (Applicant's Name(s)) (Contractor's Name(s)) to perform the work described in this Joint Permit Application, signed and dated

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

Contractor's name or name of firm

Contractor's or firms address

[Handwritten Signature] Contractor's signature and title

Contractor's License Number

Applicant's signature

(use if more than one applicant)

6/25/13 Date

Part 2 – Signatures (continued)

ADJACENT PROPERTY OWNER'S ACKNOWLEDGEMENT FORM

I (we), Ballard Brothers Fish Company, own land next to (across
(Print adjacent/nearby property owner's name)

the water from/on the same cove as) the land of Peacock Holdings VA LLC
(Print applicant's name(s))

I have reviewed the applicant's project drawings dated 8-1-13
(Date)

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

I HAVE NO COMMENT _____ ABOUT THE PROJECT.

I DO NOT OBJECT _____ TO THE PROJECT.

I OBJECT _____ TO THE PROJECT.

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

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

Adjacent/nearby property owner's signature(s)

Date

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

Part 2 – Signatures (continued)

ADJACENT PROPERTY OWNER'S ACKNOWLEDGEMENT FORM

I (we), Denyse and Ray Megglinson, own land next to (across
(Print adjacent/nearby property owner's name)

the water from/on the same cove as) the land of Peacock Holdings VA LLC
(Print applicant's name(s))

I have reviewed the applicant's project drawings dated 8-1-13
(Date)

to be submitted for all necessary Federal, State and Local permits.

I HAVE NO COMMENT _____ ABOUT THE PROJECT.

I DO NOT OBJECT _____ TO THE PROJECT.

I OBJECT _____ TO THE PROJECT.

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

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

Adjacent/nearby property owner's signature(s)

Date

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

Part 3 – Appendices (continued)

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

- Volume of material 5346 cubic yards channelward of mean low water
 10,854 cubic yards landward of mean low water
- Area to be covered 28960 square feet channelward of mean low water
 56539 square feet landward of mean low water
- Source of material, composition (e.g. 90% sand, 10% clay): Offsite Upland; 100% beach sand
- Method of transportation and placement: Transported by truck, spread by dozer

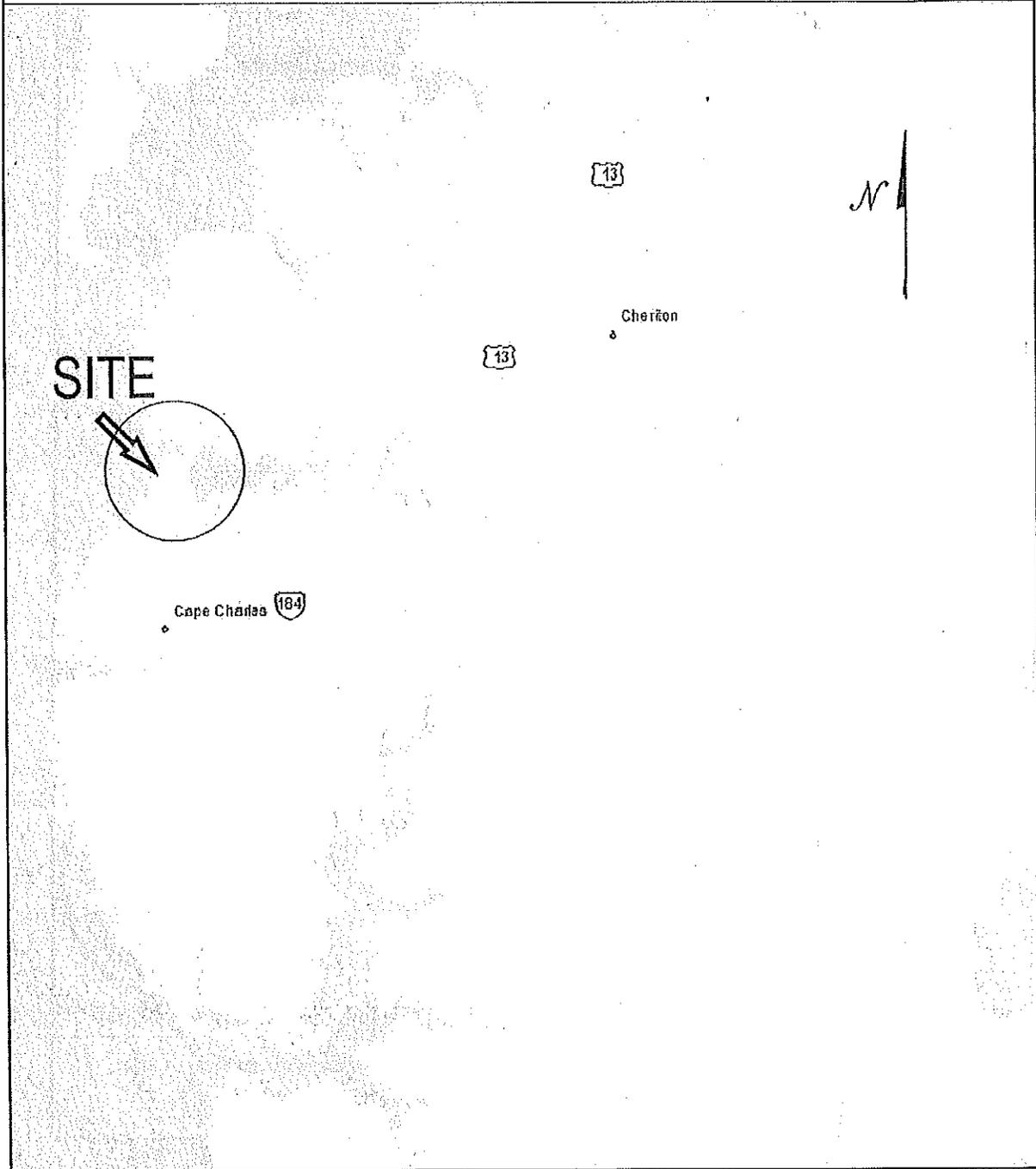
- Describe any proposed vegetative stabilization measures to be used, including planting schedule, spacing, monitoring, etc.:
The adjacent revetment systems had plantings placed on the tambolos. The plantings have not survived, due to the nature of the habitat. The new revetments will provide beach stabilization.

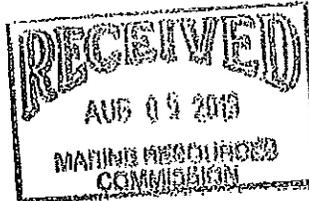
ADDITIONAL INFO
REVISION



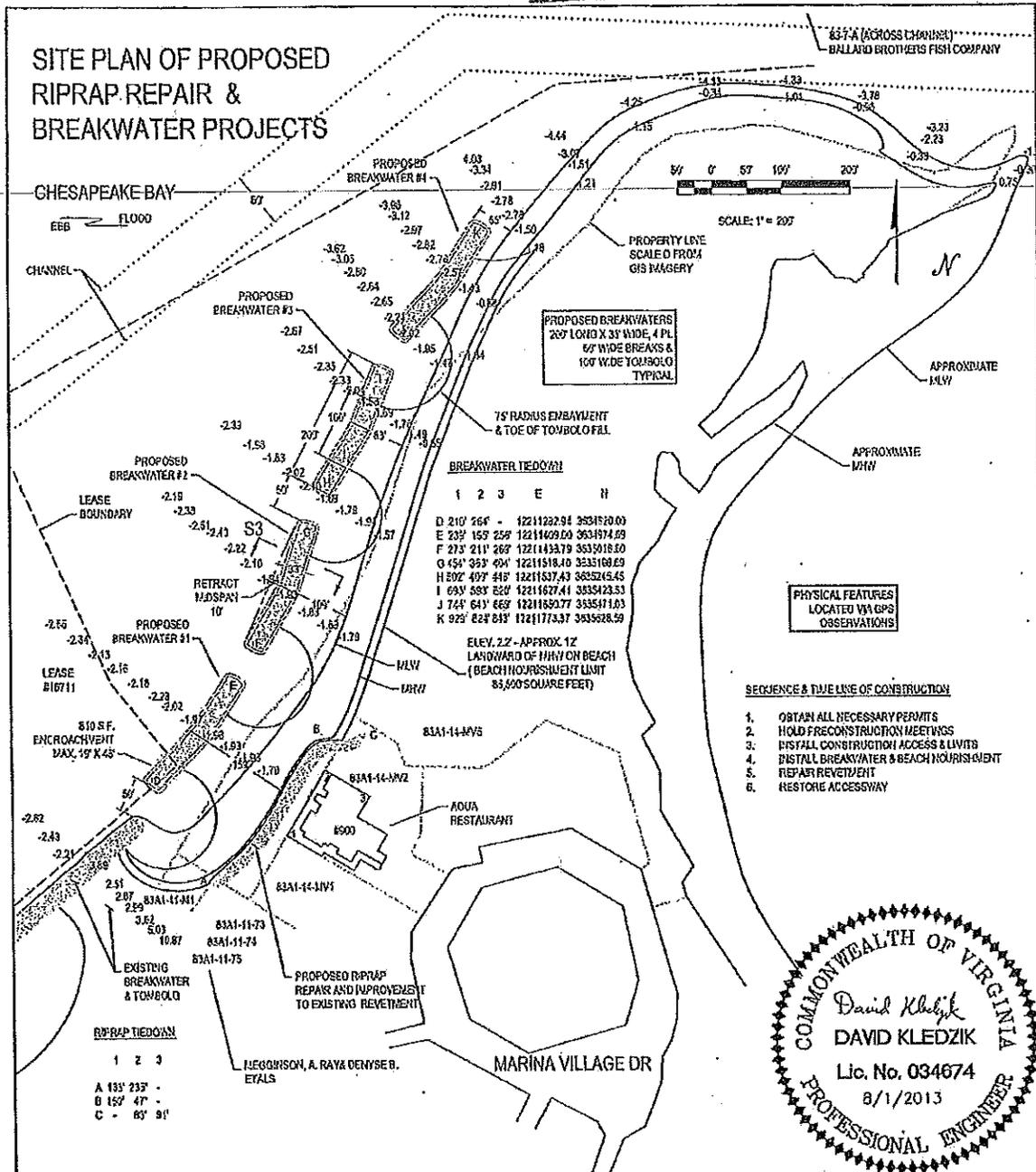
AREA MAP OF 900 MARINA VILLAGE DRIVE
TOWN OF CAPE CHARLES NORTHAMPTON COUNTY, VA

SCALE 1" : 4000"





SITE PLAN OF PROPOSED RIPRAP REPAIR & BREAKWATER PROJECTS



APPLICANT:
PEACOCK HOLDINGS VA LLC
900 MARINA VILLAGE DRIVE
TOWN OF CAPE CHARLES
NORTHAMPTON COUNTY, VA

Mid Atlantic Environmental L.L.C.
1517 Mirassou Lane Virginia Beach, Virginia 23454
Fax (757) 496-8744 Office (757) 560-5780

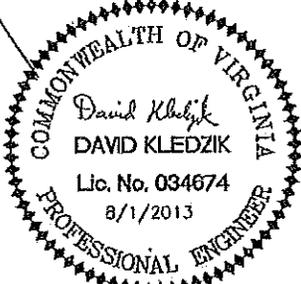
PROPOSED PROJECT FOR EROSION CONTROL.
DATUM: NAVD (MLW = -1.79')

ADJACENT PROPERTY OWNERS SHOWN ON PLAN

MARINE ENGINEERING LLC

SHEET 1 OF 6
DATE: MARCH 15, 2013
REV-

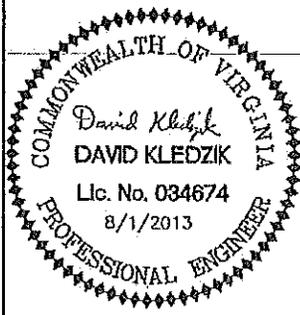
JOB NUMBER 13074



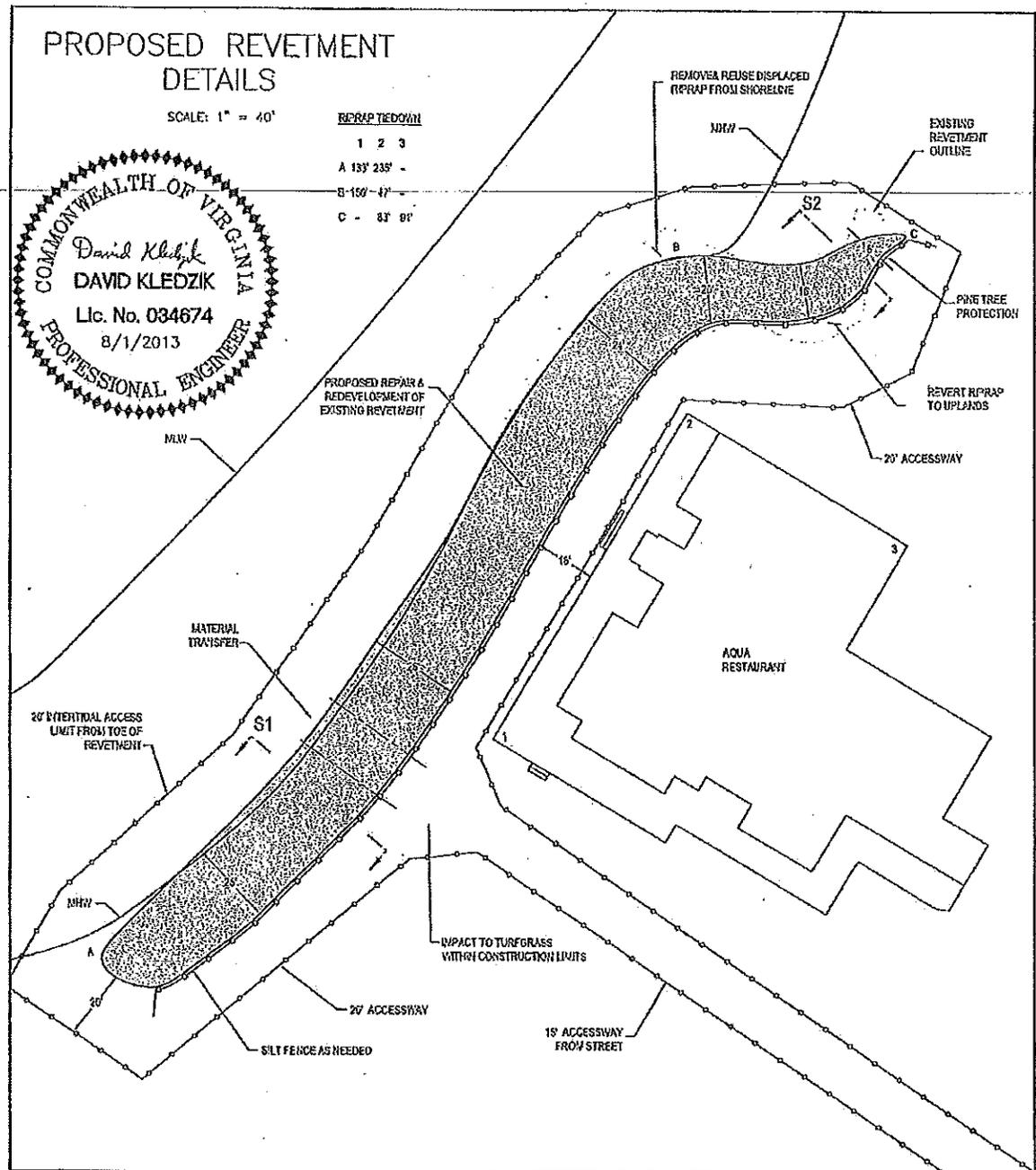
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PROPOSED REVETMENT DETAILS

SCALE: 1" = 40'



RERAP TIEDOWN
 1 2 3
 A 133' 23" -
 B 150' - 47" -
 C 83' 8" -



APPLICANT:
 PEACOCK HOLDINGS VA LLC
 900 MARINA VILLAGE DRIVE
 TOWN OF CAPE CHARLES
 NORTHAMPTON COUNTY, VA

Mid Atlantic Environmental L.L.C.
 1517 Mitassou Lane Virginia Beach, Virginia 23454
 Fax (757) 496-8744 Office (757) 560-5780

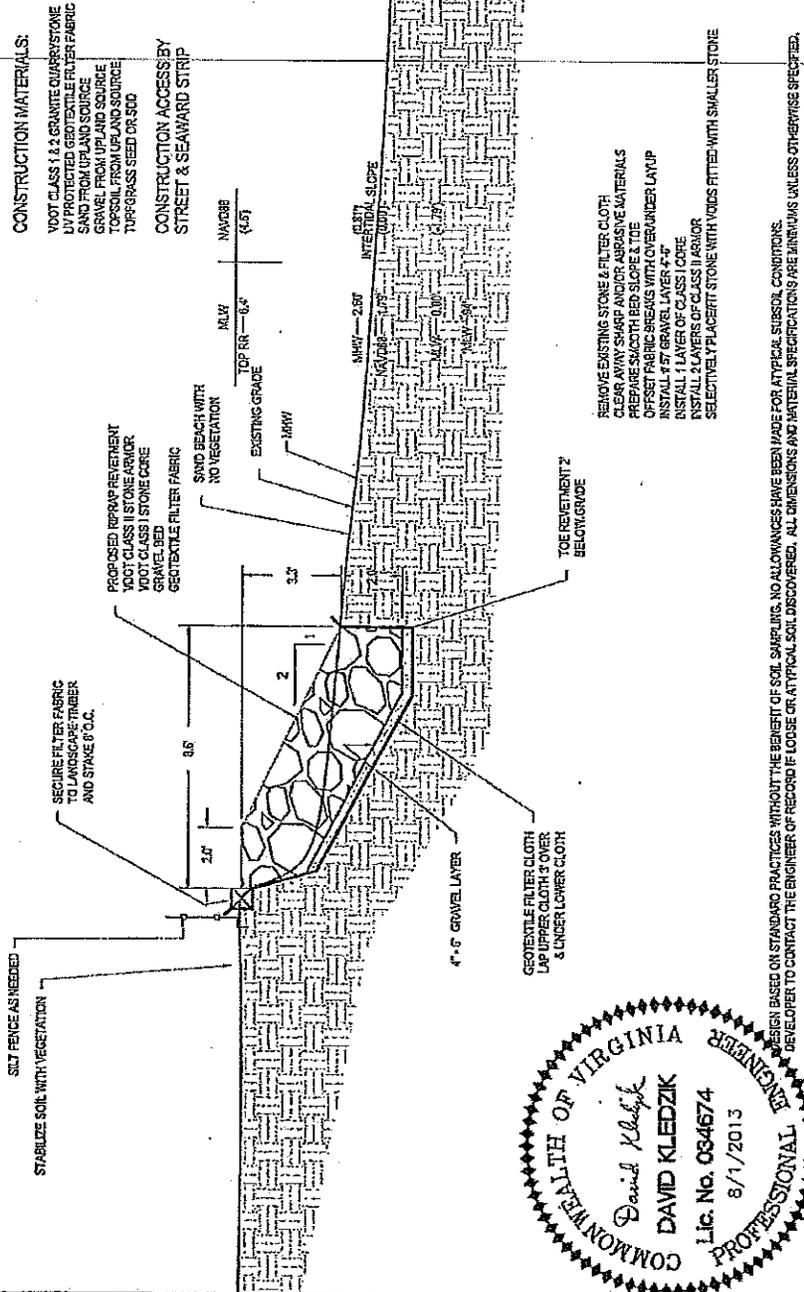
MARINE ENGINEERING LLC

PROPOSED PROJECT FOR EROSION
 CONTROL
 DATUM: NAVD (MLW = -1.79')
 SHEET 2 OF 6
 DATE: MARCH 15, 2013
 REV-

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SECTION S2 - S2
PROPOSED REVETMENT REDEVELOPMENT DETAILS

SCALE: 1" = 5'



CONSTRUCTION MATERIALS:
 VDOT CLASS 1 & 2 GRANITE QUARRYSTONE
 BY PROTECTED GEOTEXTILE FILTER FABRIC
 SAND FROM UPLAND SOURCE
 GRAVEL FROM UPLAND SOURCE
 TOPSOIL FROM UPLAND SOURCE
 TURFGRASS SEED OR SOO

**CONSTRUCTION ACCESS BY
 STREET & SEAWARD STRIP**

PROPOSED REPAIR REVEMENT
 VDOT CLASS II STONE ARMOR
 VDOT CLASS I STONE CORE
 GRAVEL BED
 GEOTEXTILE FILTER FABRIC

SAND BEACH WITH
 NO VEGETATION

EXISTING GRADE
 1.00%

TOP RR - 6.2%

RAILY

NAUGHS
 (4.0)

INTERIOR SLOPE
 1.00%

1.00%

1.00%

1.00%

1.00%

1.00%

1.00%

1.00%

1.00%

1.00%

1.00%

COMMONWEALTH OF VIRGINIA
David Kledzik
DAVID KLEDZIK
 Lic. No. 034674
 8/1/2013
 PROFESSIONAL ENGINEER

DESIGN BASED ON STANDARD PRACTICES WITHOUT THE BENEFIT OF SOIL SAMPLING. NO ALLOWANCES HAVE BEEN MADE FOR ATYPICAL SUBSTRAL CONDITIONS.
 DEVELOPER TO CONTACT THE ENGINEER OF RECORD IF LOOSE OR ATYPICAL SOIL DISCOVERED. ALL DIMENSIONS AND MATERIAL SPECIFICATIONS ARE MINIMUMS UNLESS OTHERWISE SPECIFIED.

PROPOSED PROJECT FOR EROSION CONTROL
 DATUM: NAVD (MLW = -1.79')
 SHEET 5 OF 6
 DATE: MARCH 15, 2013
 REV-

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 1517 Grassou Lane Virginia Beach, Virginia 23454
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MARINE ENGINEERING LLC

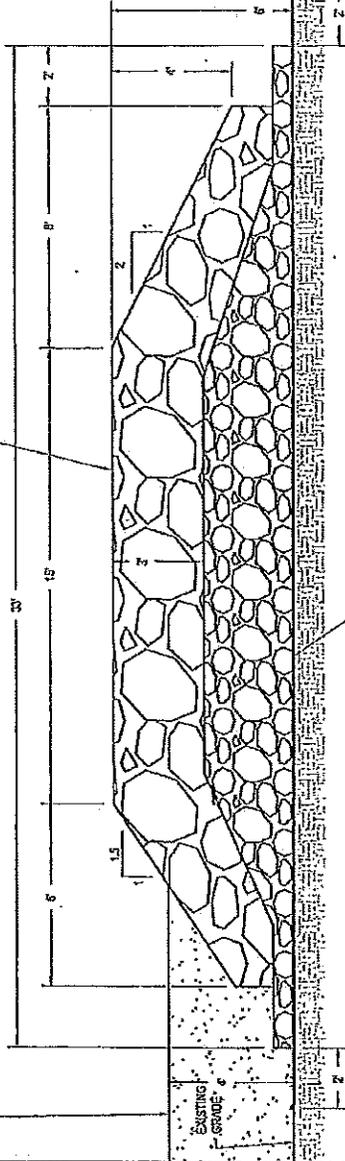
APPLICANT:
 PEACOCK HOLDINGS VA LLC
 900 MARINA VILLAGE DRIVE
 TOWN OF CAPE CHARLES
 NORTHAMPTON COUNTY, VA

SECTION S3 - S3 PROPOSED BREAKWATER DETAILS

SCALE: 1" = 5'

PROPOSED RIPRAP BREAKWATER
VOID CLASS II STONE APPROX. 2.5"
VOID CLASS I & I.5" STONE CORE

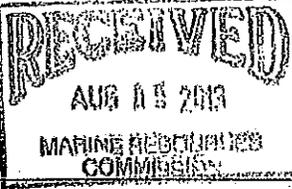
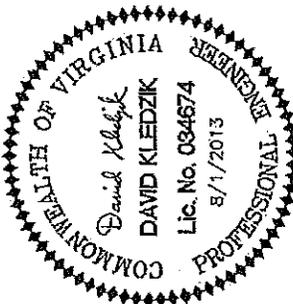
SHARP BEACH NOURISHMENT
& TOMBOLLO INSTALLATION



DEPTH	THICKNESS	NUMBER
TOP SUR	2.0'	(4.5')
TOMBOLLO	4.0'	(2.2')
RIWAY	2.00'	(0.81')
RIWAY SB	1.75'	(0.80')
MLW	0.07'	(1.20')

GEOTEXTILE FILTER CLOTH

CLEAR SHARP AND/OR ABRASIVE MATERIAL
PREPARE SMOOTH BED SLOPE & TOE
INSTALL BASE LAYERS OF CLASS I & I CORE
INSTALL 2 LAYERS OF CLASS II RIPRAP
SELECTIVELY PLACE FIT STONE WITH JOBS FITTED WITH SMALLER STONE

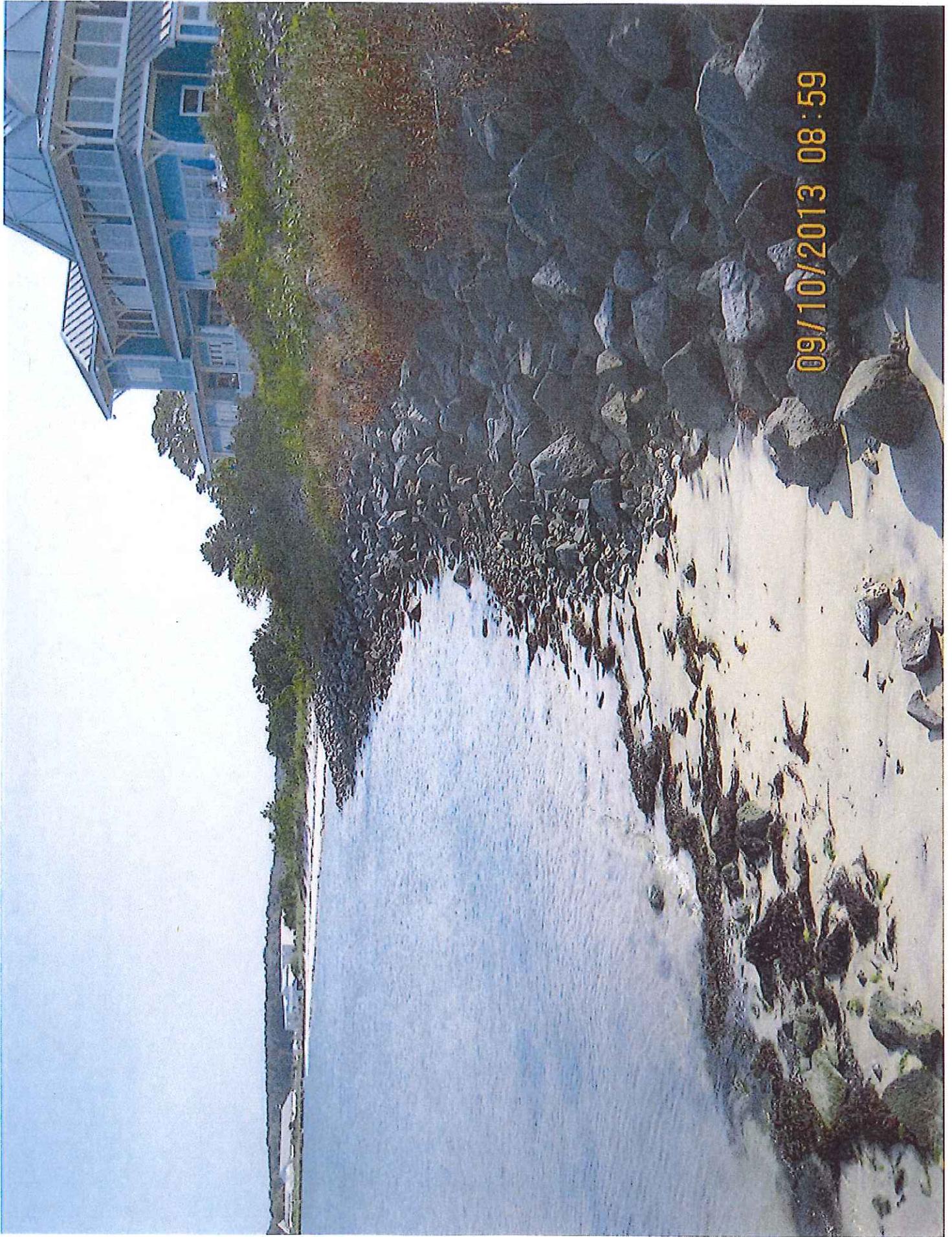


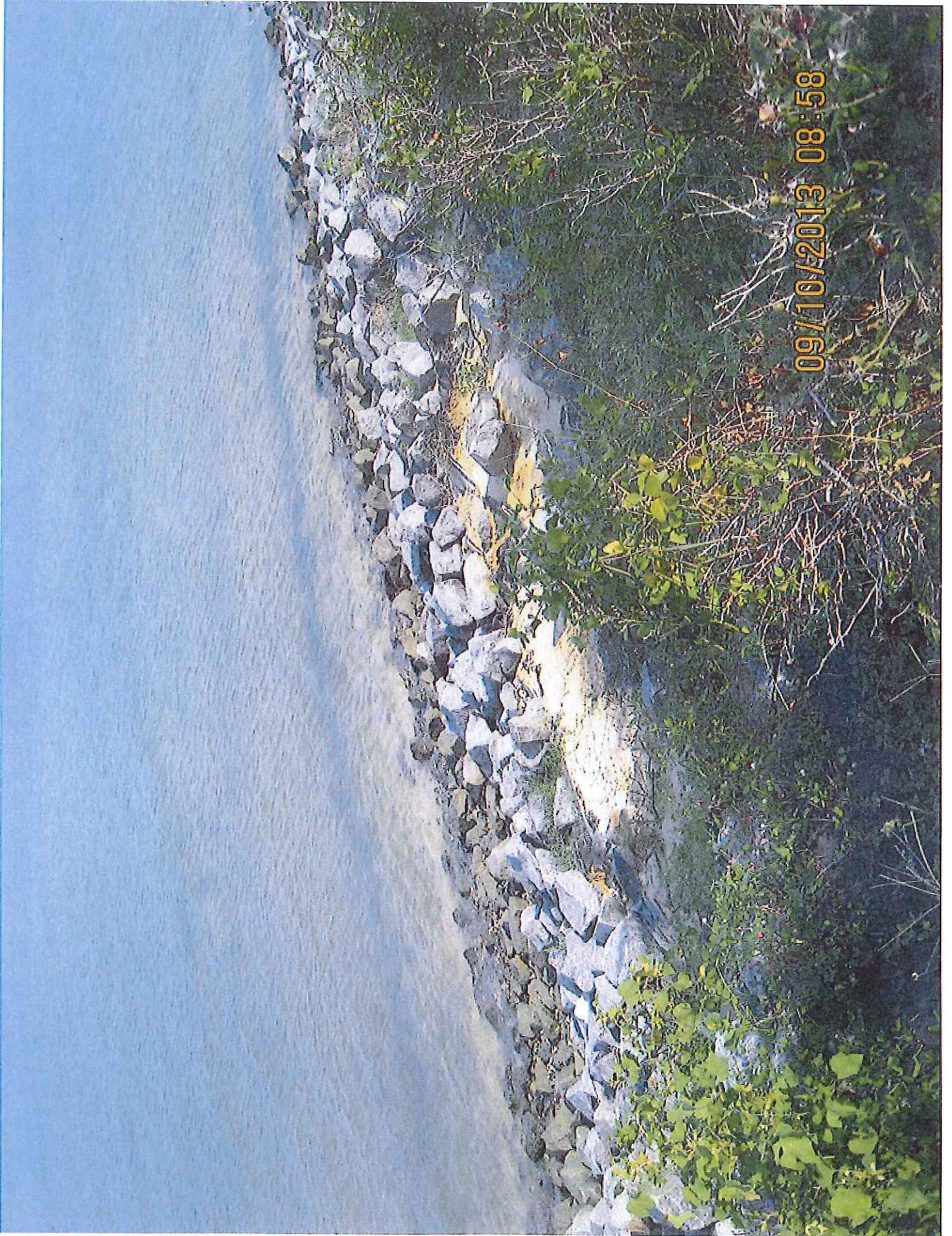
PROPOSED PROJECT FOR EROSION CONTROL
DATUM: NAVD (MLW = -1.79')
SHEET 6 OF 6
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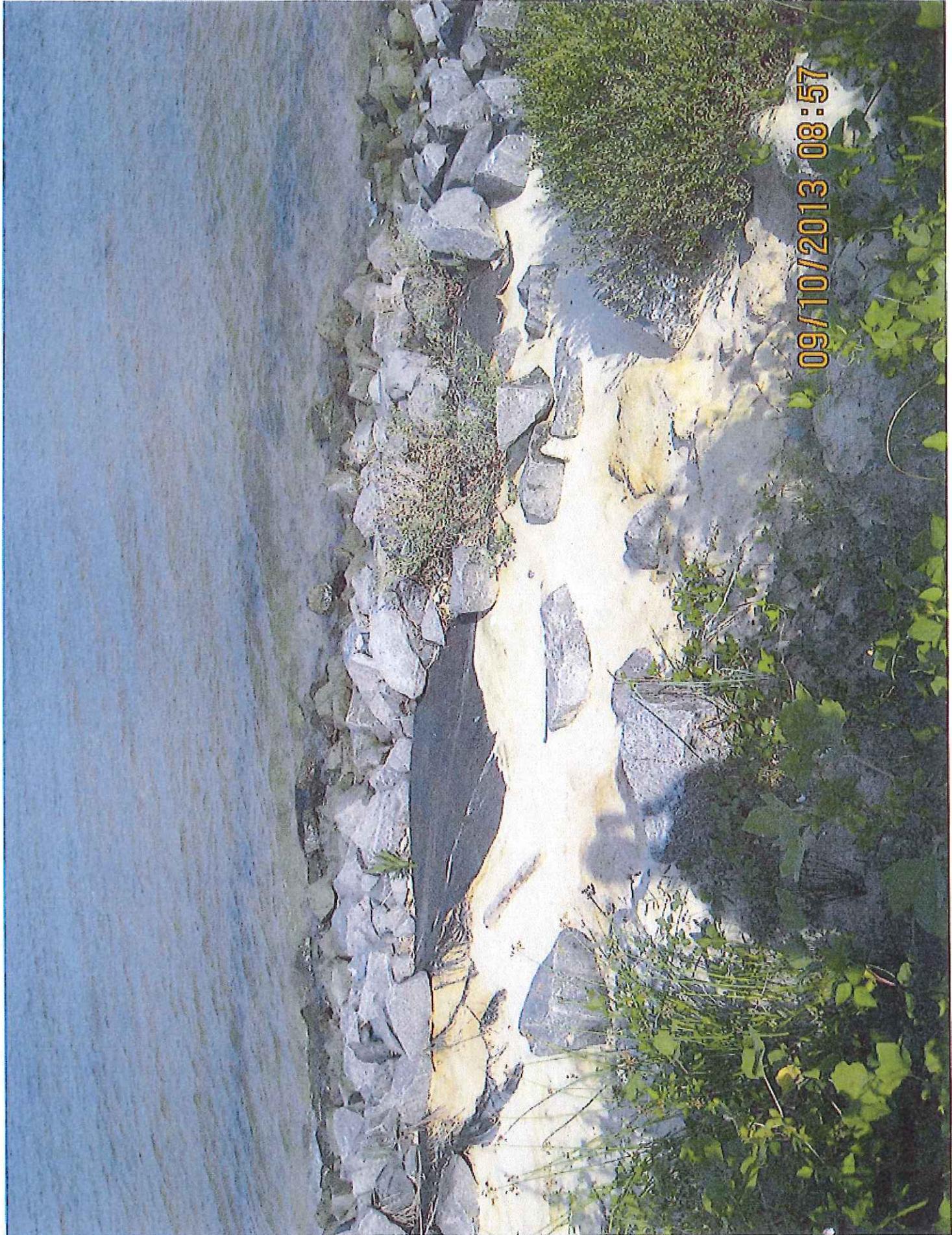
MARINE ENGINEERING LLC

APPLICANT:
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900 MARINA VILLAGE DRIVE
TOWN OF CAPE CHARLES
NORTHAMPTON COUNTY, VA





09/10/2013 08:58





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