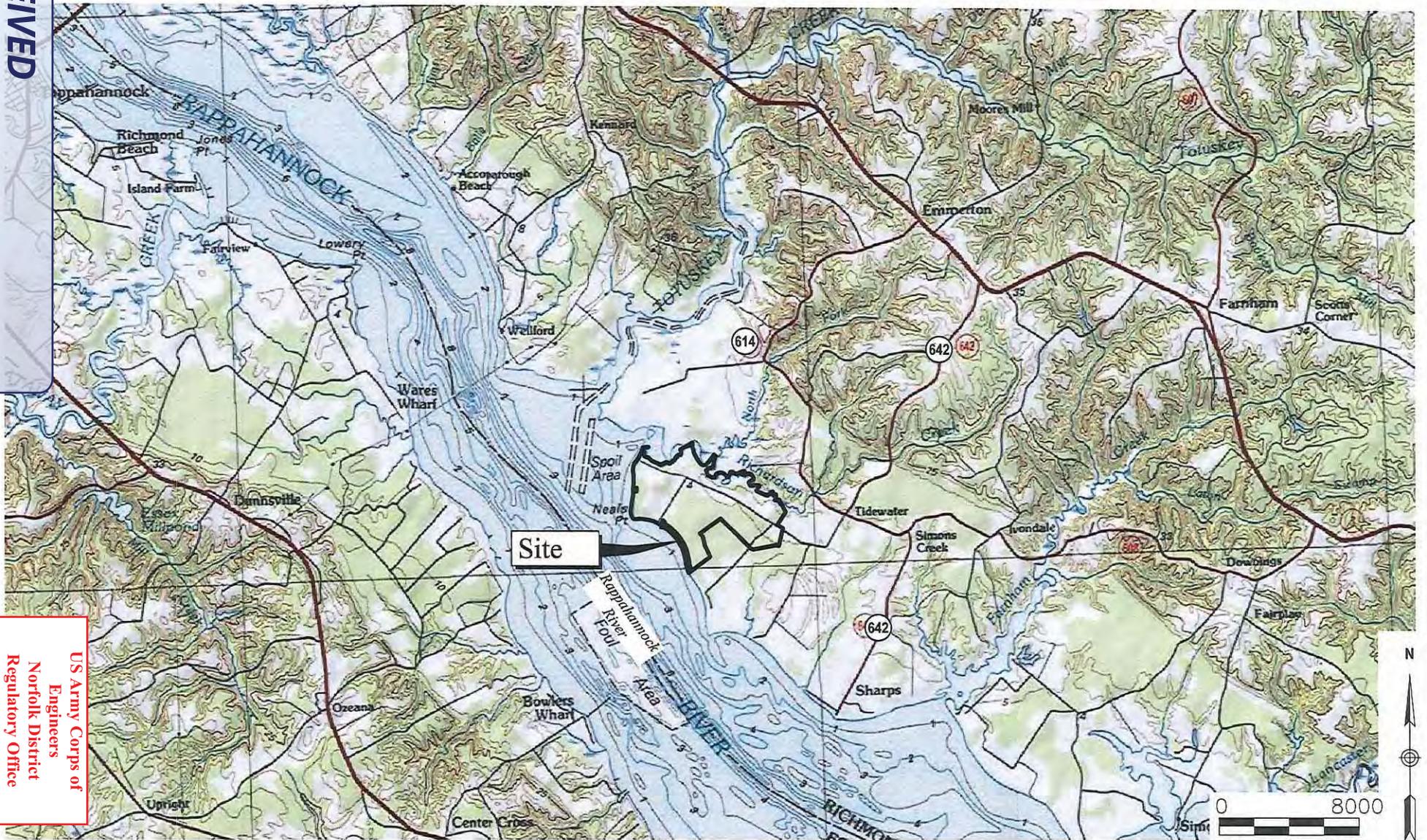


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ADJACENT PROPERTY OWNERS:
1. JAMES & ELIZABETH RUSHTON
2. JOSEPH & CHARLOTTE PIERSON

DATUM: MEAN LOW WATER

SHANDY HALL SHORELINE STABILIZATION PLAN

LOCATION MAP

AT: SHANDY HALL
IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER

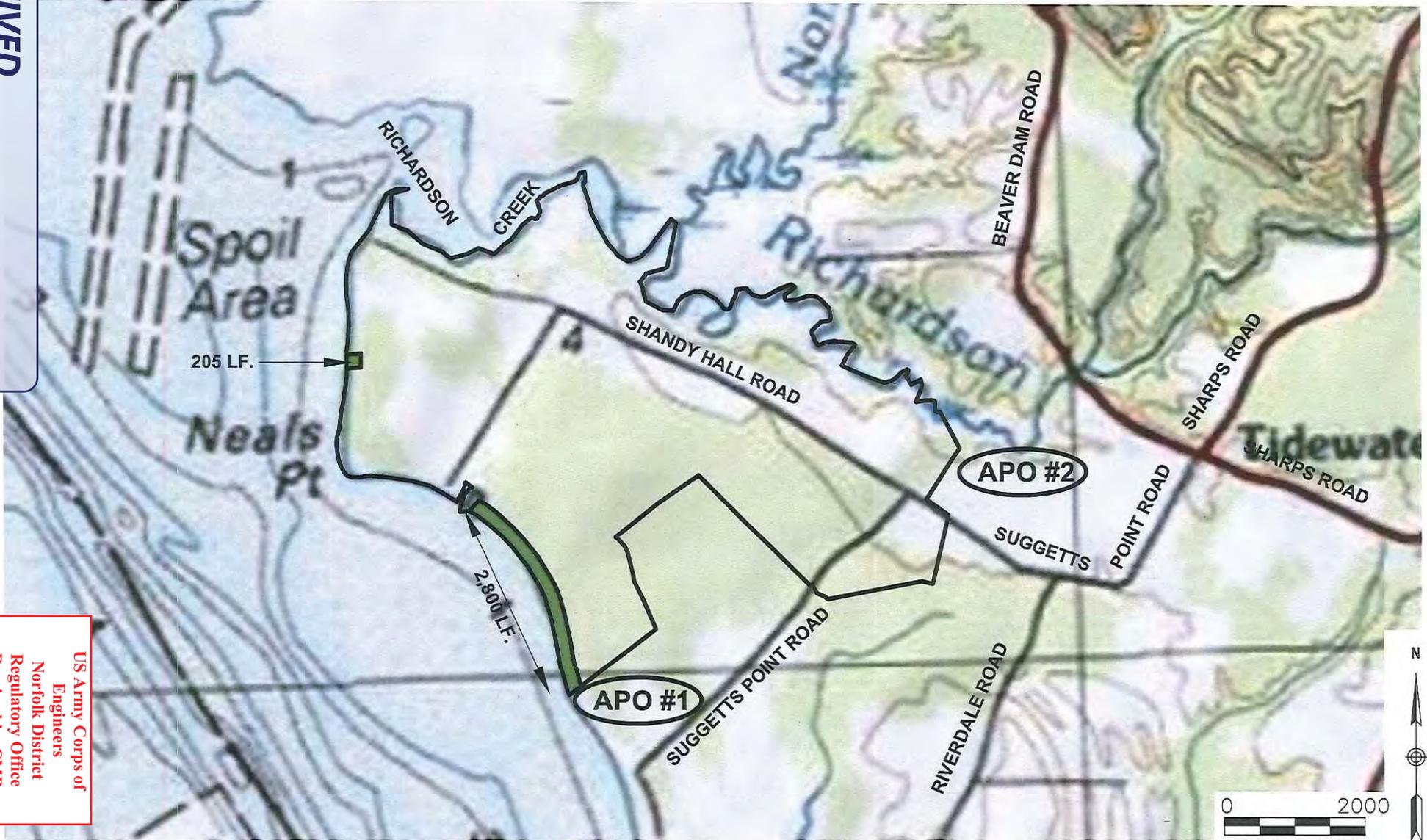
PURPOSE: SHORELINE STABILIZATION

APPLICATION BY:
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DATUM: MEAN LOW WATER

SHANDY HALL SHORELINE STABILIZATION PLAN
SITE MAP

AT: SHANDY HALL
IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER

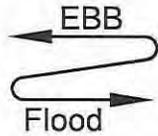
PURPOSE: SHORELINE STABILIZATION

APPLICATION BY:
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 Mr. BYRON MOBLEY

DATE: AUGUST, 2012

SHEET 2 OF 13

Rappahannock River



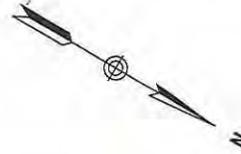
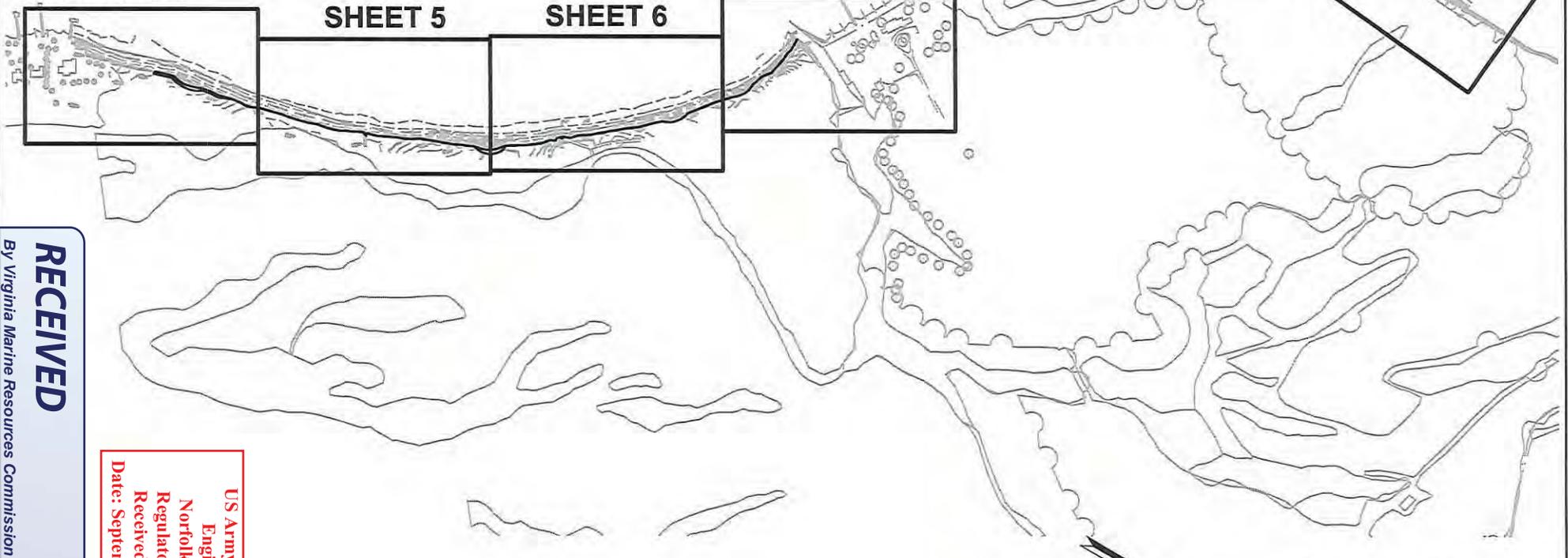
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SHEET 5

SHEET 6

SHEET 7

SHEET 8



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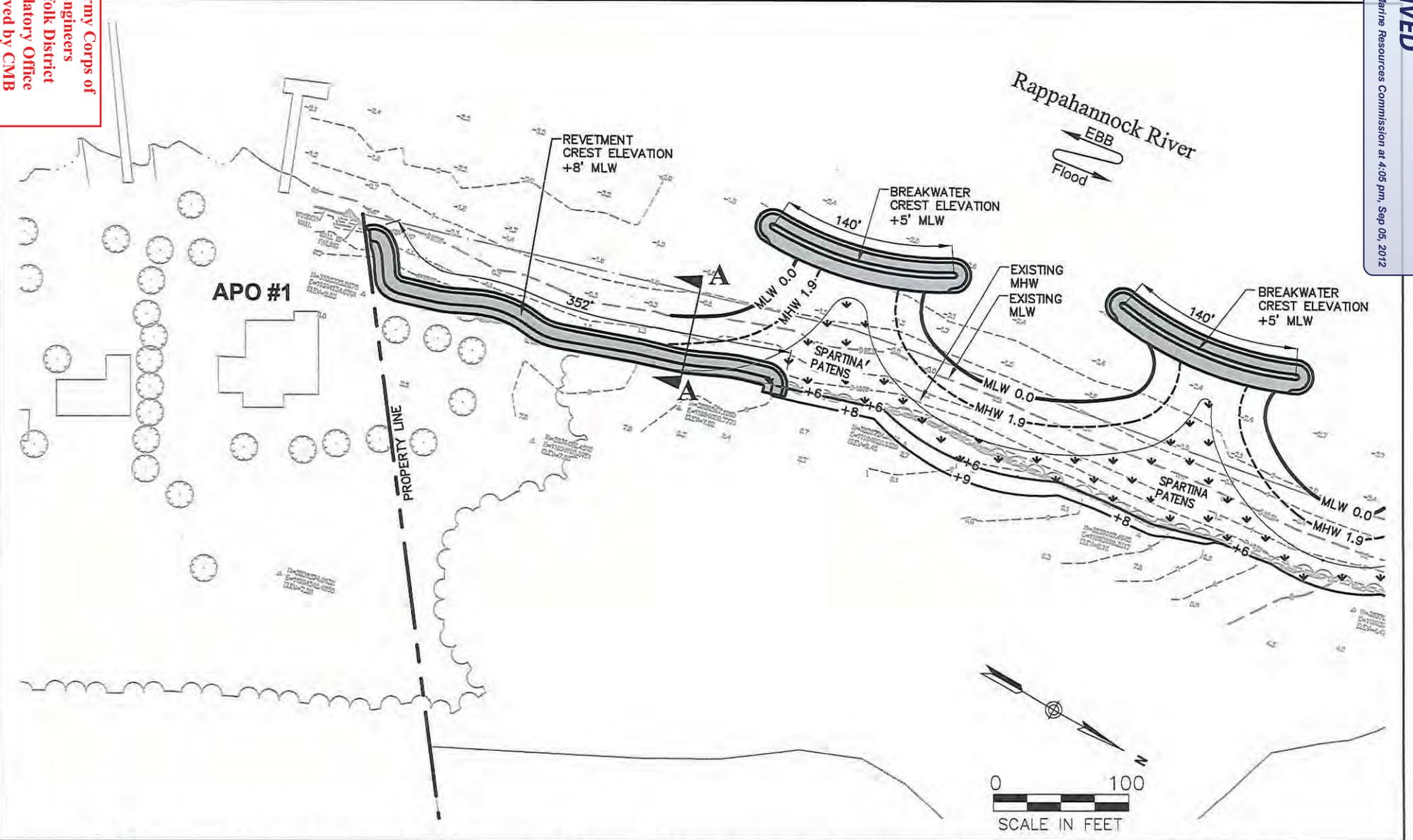
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ADJACENT PROPERTY OWNERS: 1. JAMES & ELIZABETH RUSHTON 2. JOSEPH & CHARLOTTE PIERSON	<h2 style="margin: 0;">SHANDY HALL SHORELINE STABILIZATION PLAN</h2> <h3 style="margin: 0;">SHEET INDEX</h3>	APPLICATION BY: US TRUST - BANK OF AMERICA Mr. BYRON MOBLEY
DATUM: MEAN LOW WATER	AT: SHANDY HALL IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER	PURPOSE: SHORELINE STABILIZATION
		DATE: AUGUST, 2012 SHEET 3 OF 13

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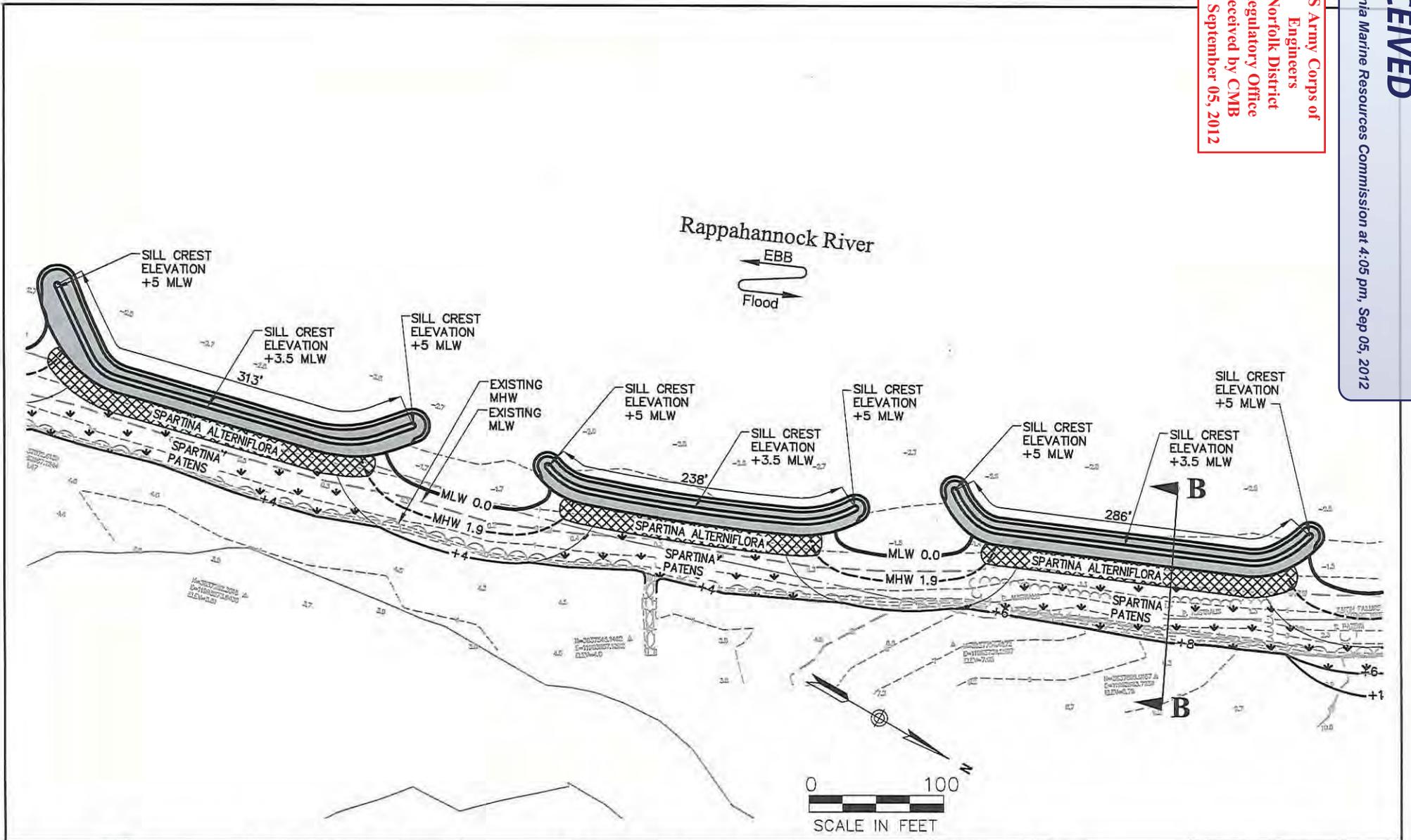


 Vanasse Hangen Brustlin, Inc. Environmental Services Land Development, Transportation 351 McLaws Circle, Suite 3 Williamsburg, Virginia 23185 (757) 220-0500 • Fax (757) 220-8544	ADJACENT PROPERTY OWNERS: 1. JAMES & ELIZABETH RUSHTON 2. JOSEPH & CHARLOTTE PIERSON	SHANDY HALL SHORELINE STABILIZATION PLAN LAYOUT		APPLICATION BY: US TRUST - BANK OF AMERICA Mr. BYRON MOBLEY
	DATUM: MEAN LOW WATER	AT: SHANDY HALL IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER	PURPOSE: SHORELINE STABILIZATION	DATE: AUGUST, 2012
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 2. JOSEPH & CHARLOTTE PIERSON

DATUM: MEAN LOW WATER

SHANDY HALL SHORELINE STABILIZATION PLAN

LAYOUT

AT: SHANDY HALL

PURPOSE: SHORELINE STABILIZATION

IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER

APPLICATION BY:
 US TRUST - BANK OF AMERICA
 Mr. BYRON MOBLEY

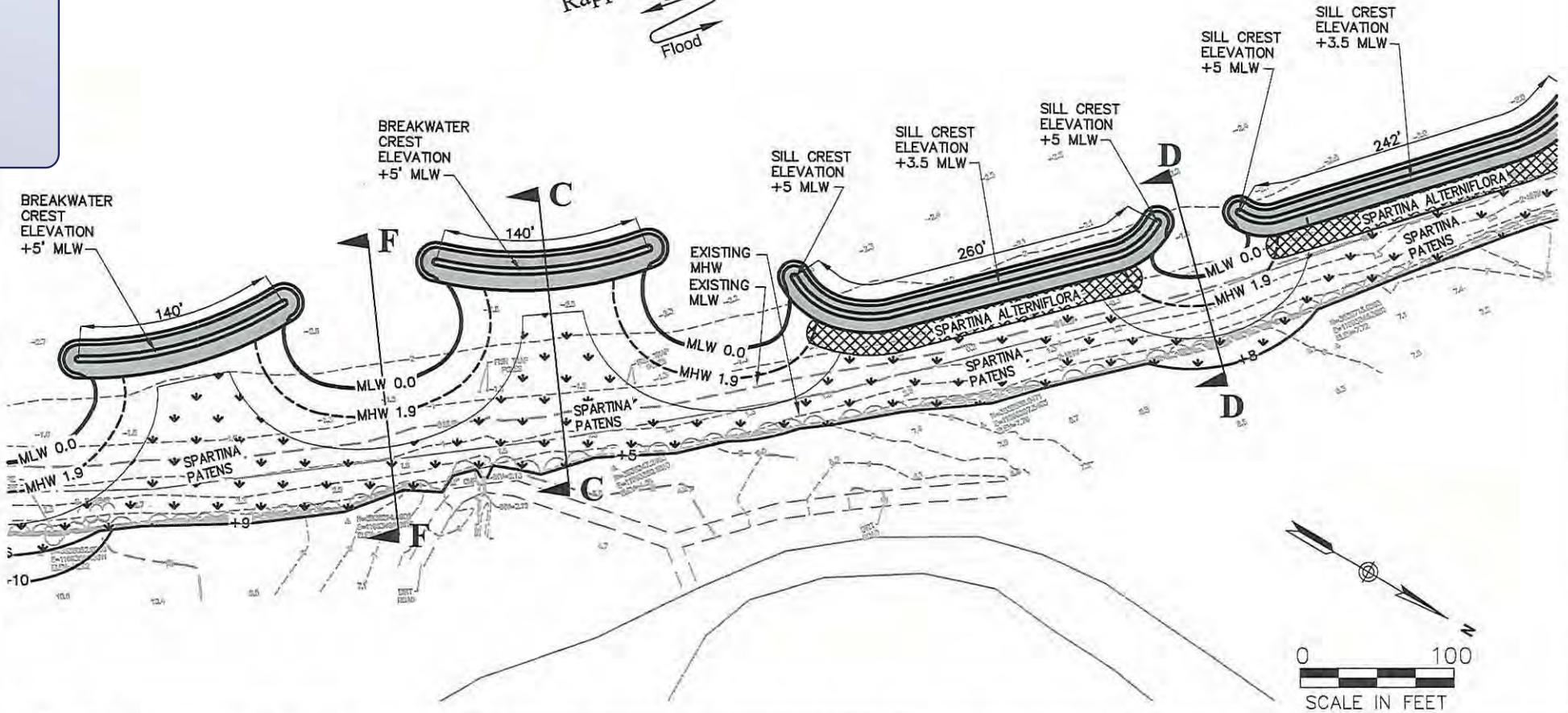
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Rappahannock River
 EBB
 Flood



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DATUM: MEAN LOW WATER

SHANDY HALL SHORELINE STABILIZATION PLAN
LAYOUT

AT: SHANDY HALL
IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER

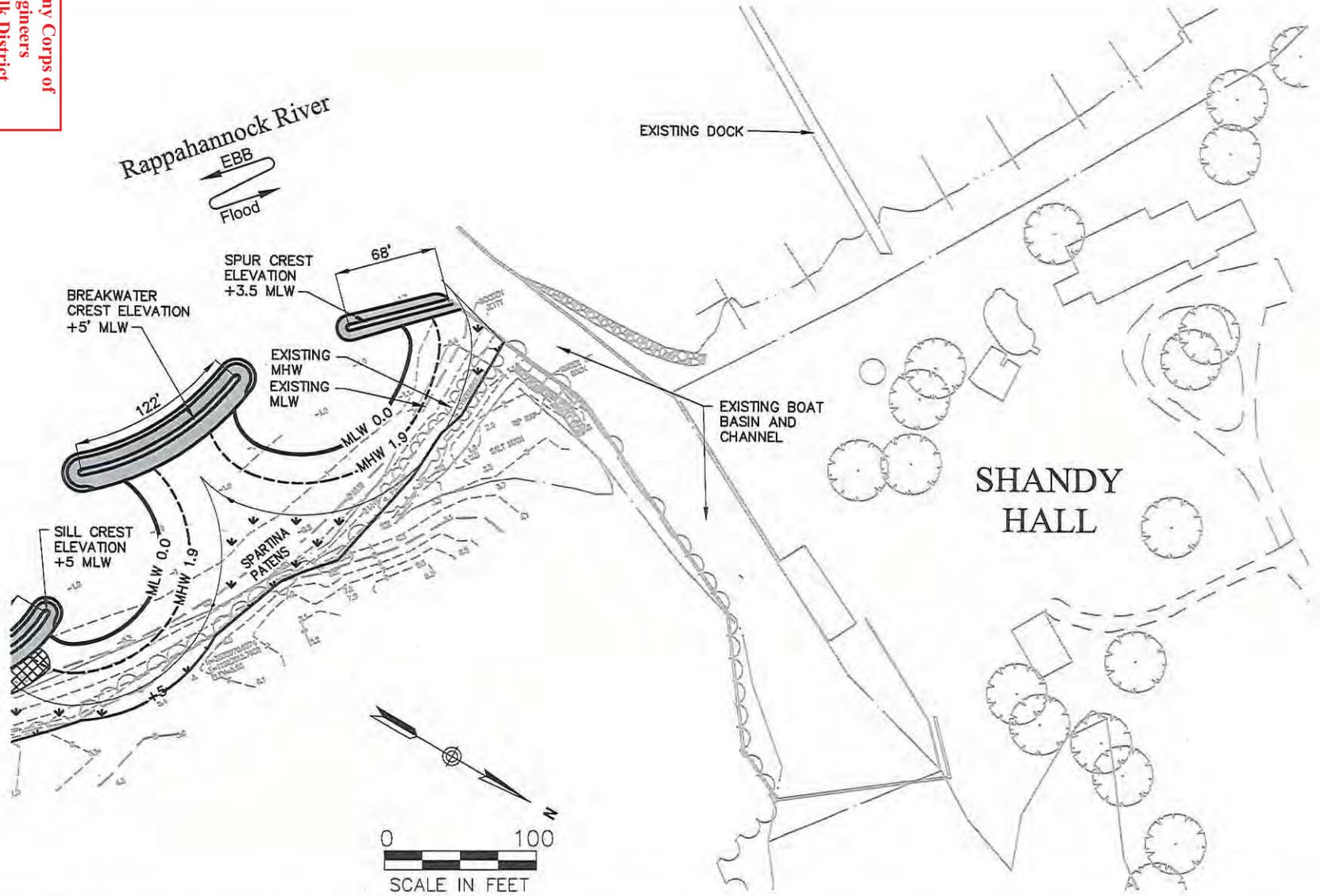
PURPOSE: SHORELINE STABILIZATION

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DATUM: MEAN LOW WATER

SHANDY HALL SHORELINE STABILIZATION PLAN

LAYOUT

AT: SHANDY HALL

IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER

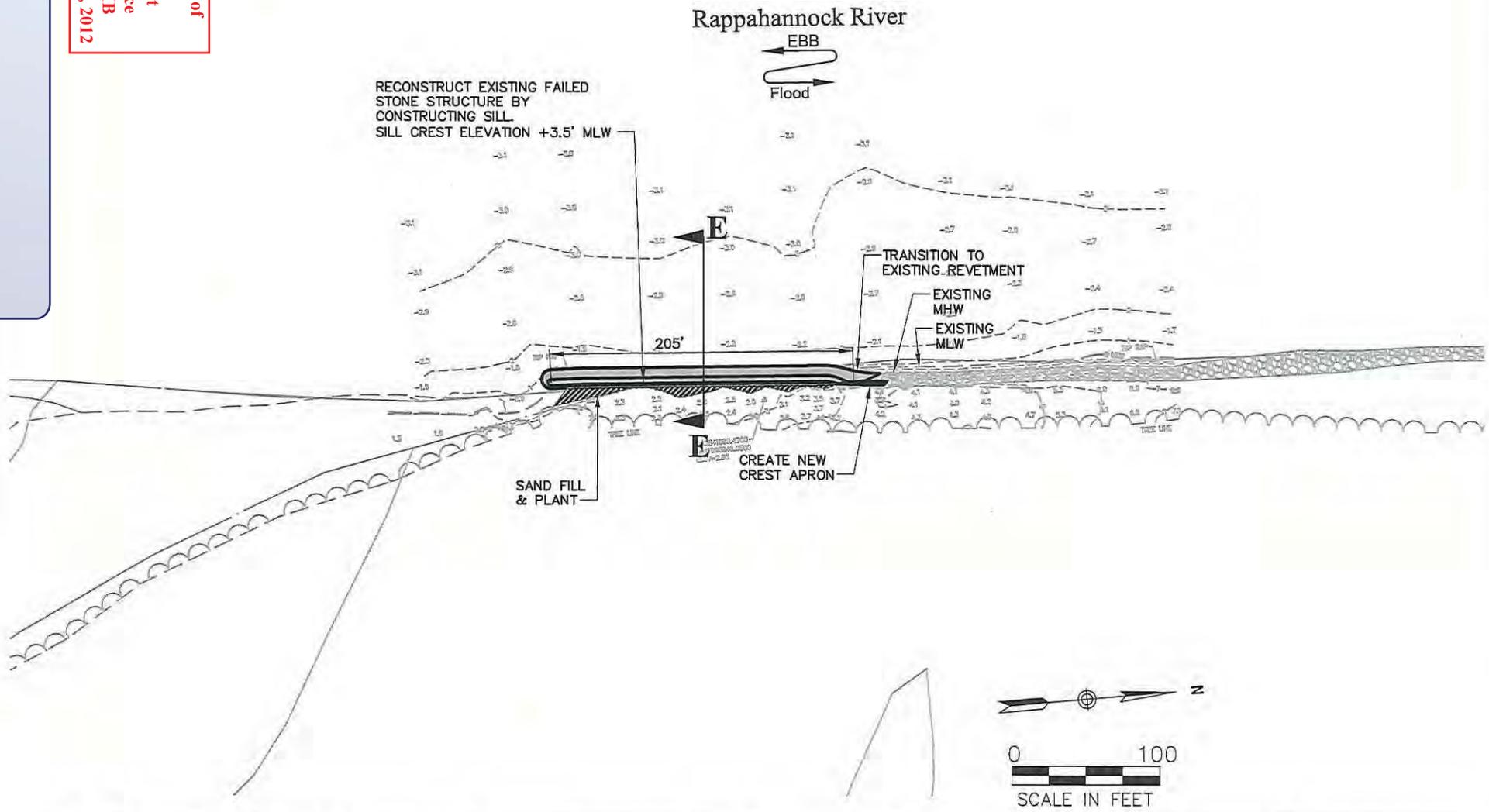
PURPOSE: SHORELINE STABILIZATION

APPLICATION BY:
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SHEET 7 OF 13

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ADJACENT PROPERTY OWNERS:
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DATUM: MEAN LOW WATER

SHANDY HALL SHORELINE STABILIZATION PLAN

LAYOUT

AT: SHANDY HALL
IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER

PURPOSE: SHORELINE STABILIZATION

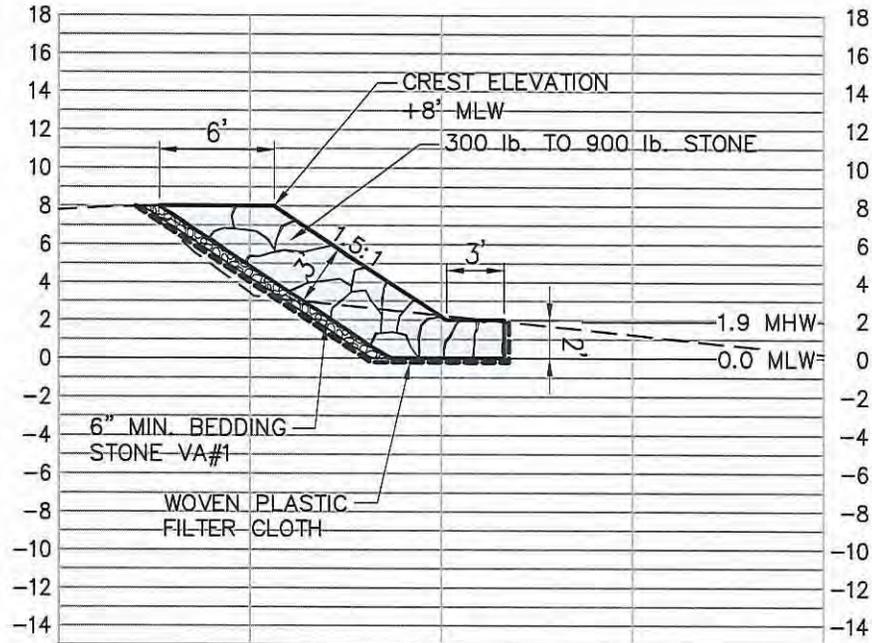
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DATUM: MEAN LOW WATER

SHANDY HALL SHORELINE STABILIZATION PLAN

REVETMENT SECTION A-A

AT: SHANDY HALL

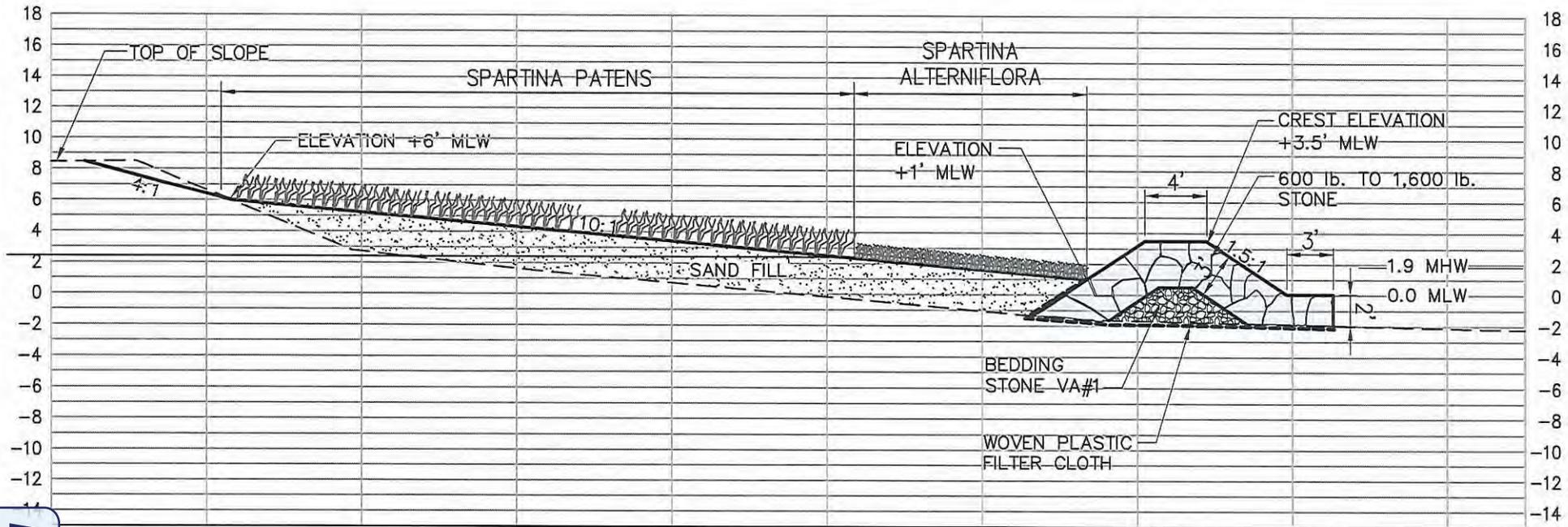
IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER

PURPOSE: SHORELINE STABILIZATION

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DATUM: MEAN LOW WATER

SHANDY HALL SHORELINE STABILIZATION PLAN

SILL SECTION B-B

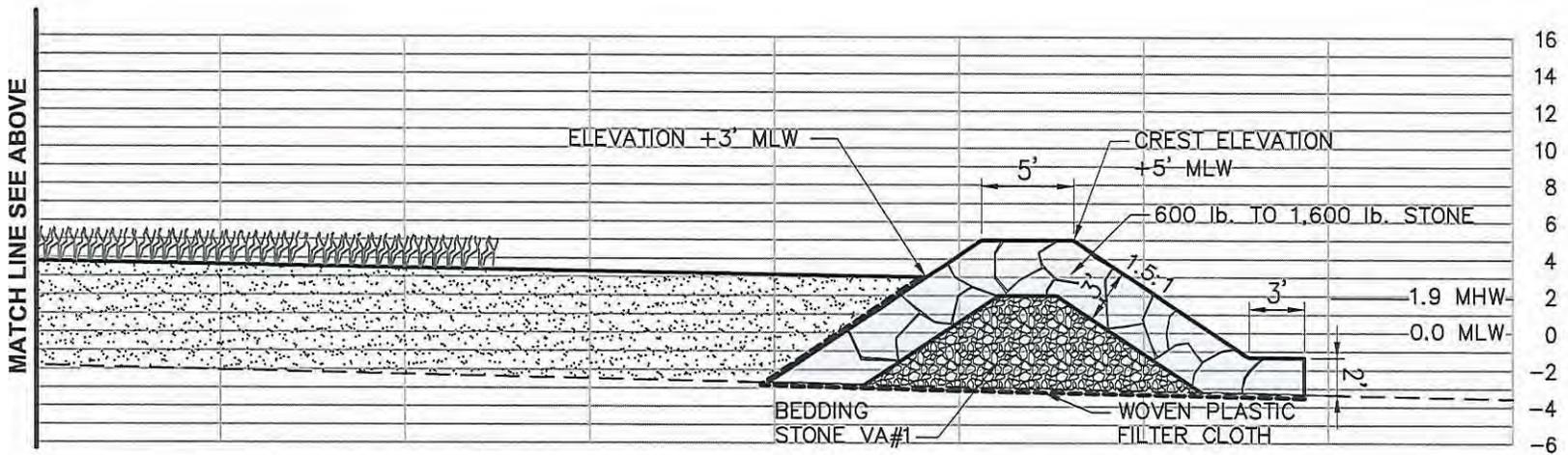
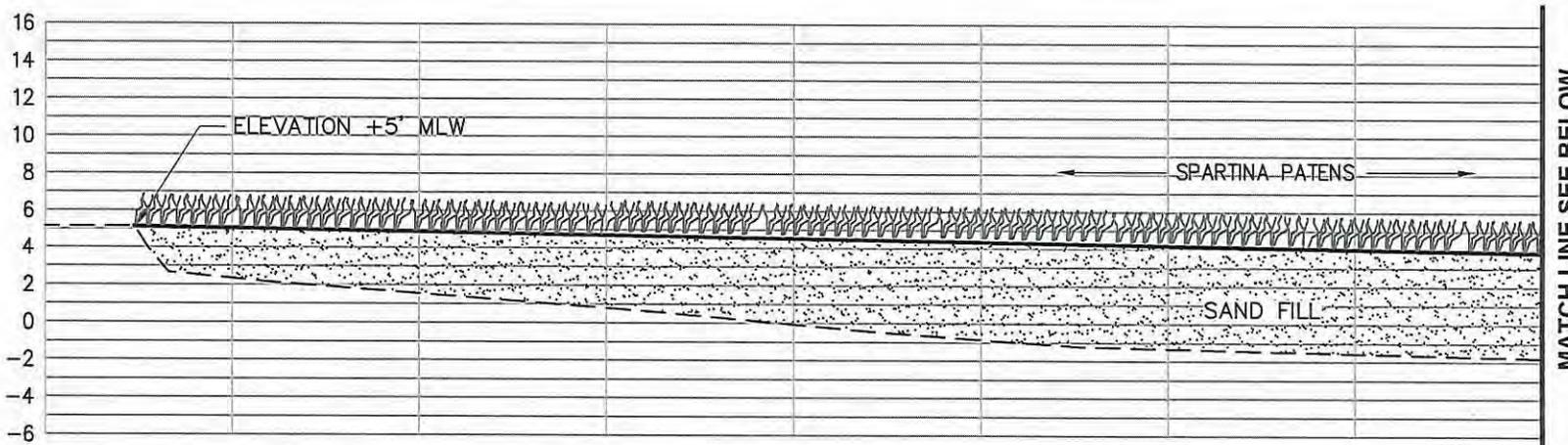
AT: SHANDY HALL
IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER

PURPOSE: SHORELINE STABILIZATION

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DATUM: MEAN LOW WATER

SHANDY HALL SHORELINE STABILIZATION PLAN
BREAKWATER SECTION C-C

AT: SHANDY HALL
IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER

PURPOSE: SHORELINE STABILIZATION

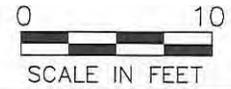
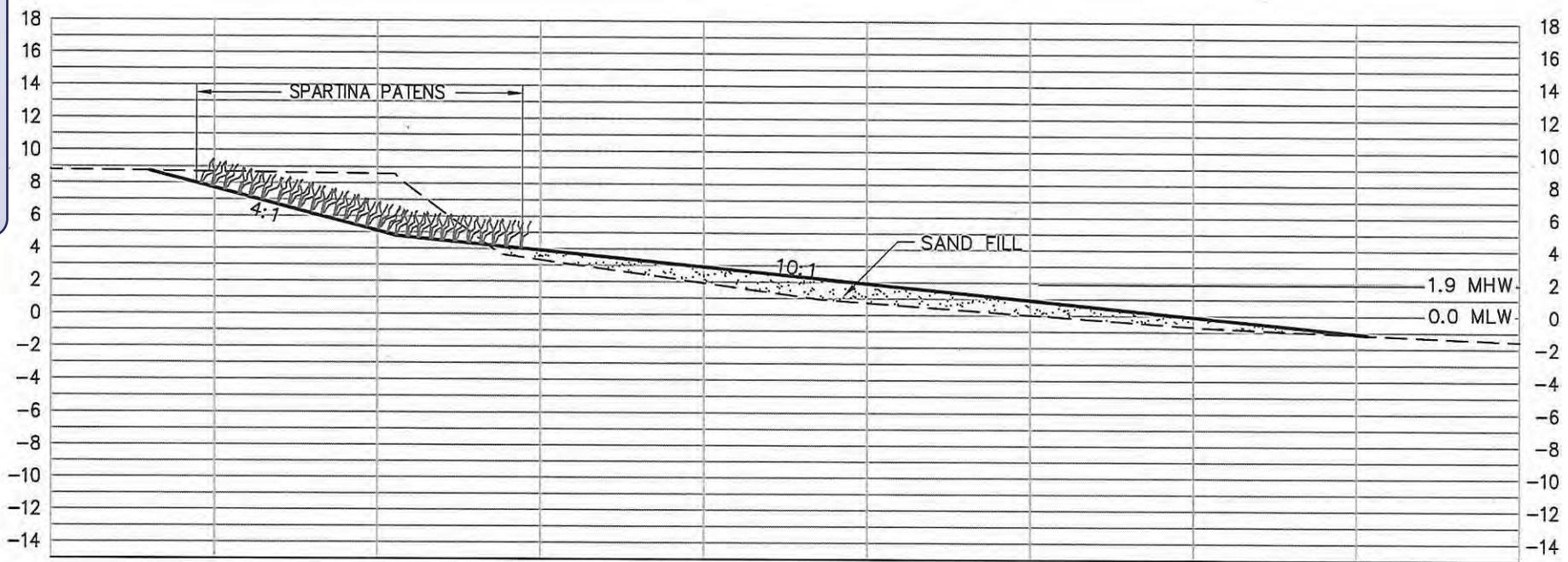
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DATUM: MEAN LOW WATER

SHANDY HALL SHORELINE STABILIZATION PLAN

EMBAYMENT SECTION D-D

AT: SHANDY HALL
IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER

PURPOSE: SHORELINE STABILIZATION

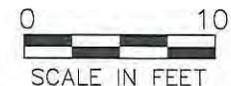
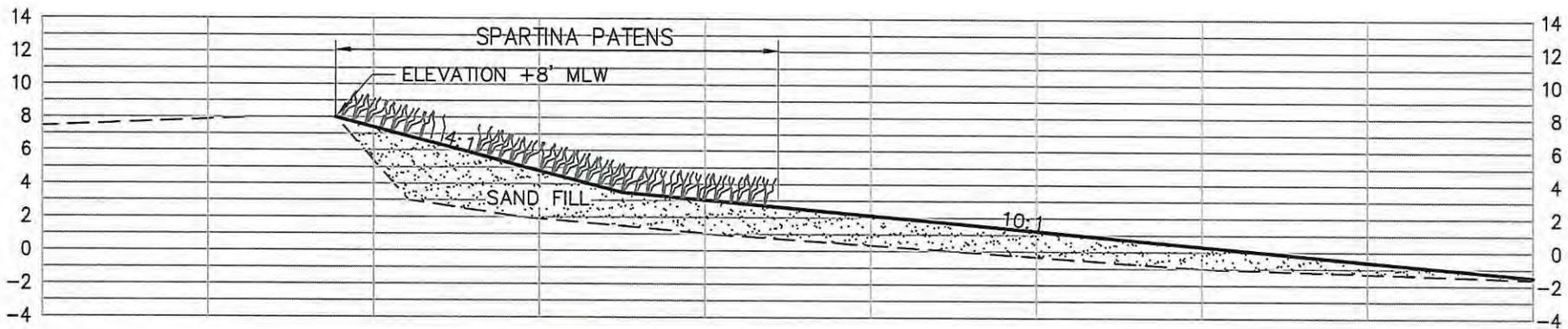
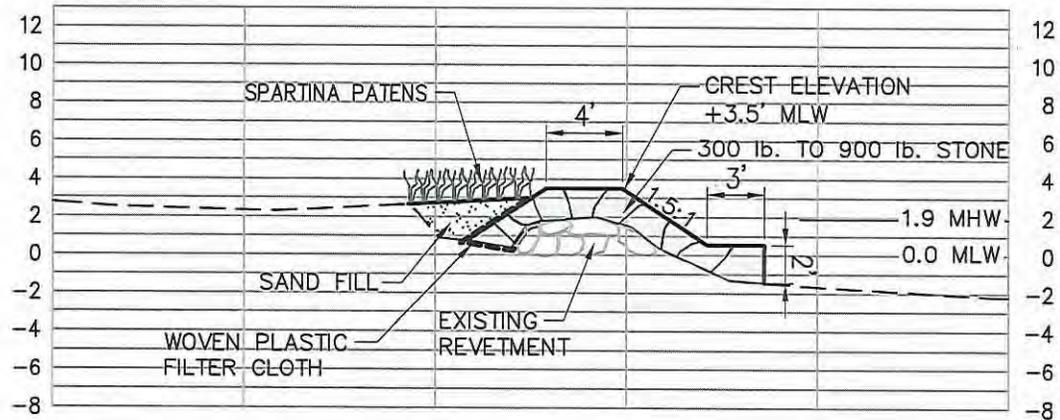
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DATUM: MEAN LOW WATER

SHANDY HALL SHORELINE STABILIZATION PLAN

RECONSTRUCTION - SILL SECTION E-E & BAY BEACH SECTION F-F

AT: SHANDY HALL

IN: RICHMOND COUNTY ON THE RAPPAHANNOCK RIVER

PURPOSE: SHORELINE STABILIZATION

APPLICATION BY:

**US TRUST - BANK OF AMERICA
 Mr. BYRON MOBLEY**

DATE: AUGUST, 2012

SHEET 13 OF 13



United States Department of the Interior



FISH AND WILDLIFE SERVICE
VIRGINIA ECOLOGICAL SERVICES FIELD OFFICE
6669 SHORT LANE
GLOUCESTER, VA 23061
PHONE: (804)693-6694 FAX: (804)693-9032
URL: www.fws.gov/northeast/virginiafield/

Consultation Tracking Number: 05E2VA00-2012-SLI-2013

September 17, 2012

Project Name: NAO-2012-01825 Shandy Hall Shoreline Stabilization

Subject: List of threatened and endangered species that may occur in your proposed project location, and/or may be affected by your proposed project.

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, and proposed species, designated critical habitat, and candidate species that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having

similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at: <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>; <http://www.towerkill.com>; and <http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment



United States Department of Interior
Fish and Wildlife Service

Project name: NAO-2012-01825 Shandy Hall Shoreline Stabilization

Official Species List

Provided by:

VIRGINIA ECOLOGICAL SERVICES FIELD OFFICE

6669 SHORT LANE

GLOUCESTER, VA 23061

(804) 693-6694

<http://www.fws.gov/northeast/virginiafield/>

Consultation Tracking Number: 05E2VA00-2012-SLI-2013

Project Type: Shoreline / Beach Protection / Renourishment

Project Description: Stabilization of approximately 3005 linear feet of shoreline using living shoreline techniques including rock sills, breakwaters, sand fill beach nourishment, and marsh plantings. A 352 linear foot segment of rip rip revetment will be incorporated to tie into a bulkhead structure at the southern end of the project.



United States Department of Interior
Fish and Wildlife Service

Project name: NAO-2012-01825 Shandy Hall Shoreline Stabilization

Project Location Map:



Project Coordinates: MULTIPOLYGON (((-76.7293069 37.8458129, -76.7296981 37.8454586, -76.7301273 37.8470853, -76.7308139 37.8491863, -76.7316808 37.8506485, -76.733131 37.8518972, -76.7353197 37.8527782, -76.7351502 37.8532187, -76.7338177 37.8528799, -76.7309398 37.8507266, -76.729736 37.8475751, -76.7293069 37.8458129)))

Project Counties: Richmond, VA



United States Department of Interior
Fish and Wildlife Service

Project name: NAO-2012-01825 Shandy Hall Shoreline Stabilization

Endangered Species Act Species List

Species lists are not entirely based upon the current range of a species but may also take into consideration actions that affect a species that exists in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Please contact the designated FWS office if you have questions.

Sensitive joint-vetch (*Aeschynomene virginica*)

Listing Status: Threatened

Species Conclusions Table

Project Name: NAO-2012-01825 (12-V1362) Shandy Hall Shoreline Stabiliation Project

Date: September 19, 2012

Species/Resource Name	Conclusion	ESA Section 7 / Eagle Act Determination	Species Info / Habitat Description	Notes / Determination
Sensitive joint-vetch (<i>Aeschynomene virginica</i>)	No suitable habitat present	No effect	"The joint-vetch occurs in fresh to slightly brackish tidal river systems, within the intertidal zone where populations are flooded twice daily. It typically occurs at the outer fringe of marshes or shores; its presence in marsh interiors may be a result of nutrient deficiencies, ice scouring, or muskrat herbivory. The sensitive joint-vetch is found in localities where plant diversity is high and annual species are prevalent. Bare to sparsely vegetated substrates appear to be a habitat feature of critical importance for establishment and growth of this species."	No vegetated wetlands present within project area or immediate vicinity.
Eagles (<i>Haliaeetus leucocephalus</i>)				
Eagle Nests	bald eagles	Eagle Act permit may be required		Known nests present on property.
Eagle Concentration Areas	bald eagle	No Eagle Act permit required		
Critical Habitat				
Other (other species not listed above or required coordination for NOAA, DCR, & VDGIF)				
Anadromous Fish				