



Public Notice

U.S. Army Corps of Engineers, Norfolk District

February 12, 2013

CENAO-WR-R
NAO-2013-0034/ 13-V0121

FEDERAL PUBLIC NOTICE

The District Commander has received a joint application for Federal and State permits as described below:

APPLICANT

Henderson, Inc.
ATTN: Josiah Goins
5806 Mooretown Road
Williamsburg, Virginia 23188

WATERWAY AND LOCATION OF THE PROPOSED WORK: The New Market Heights Phase of the Capital Trail begins on the south side of Route 5 at approximately Long Bridge Road in Henrico County and ends after approximately 10.5 miles at Kimages Road in Charles City County, Virginia. The trail will be connecting to an existing section of the Capital Trail at Kimages Road.

PROPOSED WORK AND PURPOSE: The applicant proposes to construct a 10.5 mile long, 10-foot-wide asphalt trail with 3 feet wide graded shoulders on each side. Associated with the project are direct impacts to approximately 1.48 acres of vegetated wetlands, conversion impacts to 0.06 acres of wetlands, and permanent impacts to 712 linear feet of streams. The purpose of the project is to provide a multi-use trail to provide safe, recreational, multi-modal travel opportunities ultimately linking the City of Richmond and the City of Williamsburg.

The applicant provided the following information addressing how impacts associated with the proposed activity are to be avoided, minimized, and compensated for: An alternatives analysis was conducted by the Henderson, Inc. and Virginia Department of Transportation (VDOT) for this project, by which they evaluated avoidance and minimization of impacts to aquatic resources. Several alternatives were considered such as widening Route 5 to include a shoulder bikeway, a separate path within the petroleum pipeline corridor, a separate path in or along a short rail line near Richmond, a shared use path, etc. After extensive coordination and evaluation they concluded that a separate shared use path was the preferred alternative. The applicant further avoided and minimized impacts to wetlands by realigning several portions of the trail to avoid wetlands altogether and when not possible, crossing wetlands at the narrowest portion. A 2:1 fill slope will be used where possible to minimize the footprint of impact. Timber bridges will be used for the crossing of named streams (Bailey Creek, Crewes Channel, Turkey Island Creek, and Kimages Creek). The bridges will completely span the channel at Baileys Creek and Crewes

Channel, while pilings will be required within the jurisdictional limits at Turkey Island and Kimages Creek. Bridges will be built using top-down construction methods, which will avoid temporary impacts during construction.

For unavoidable impacts to waters of the U.S. Henderson, Inc. is proposing 2.76 wetland and 734 stream credits of compensatory mitigation provided through credits purchased from an approved mitigation bank that serves the project site.

In addition to the required Department of the Army permit, the applicant must obtain a Virginia Water Protection Permit from the Virginia Department of Environmental Quality (DEQ), and a subaqueous lands permit from the Virginia Marine Resources Commission (VMRC) assuring that applicable laws and regulations pertaining to water quality are not violated. Because the project owner, VDOT, is a state agency, no permits are required from the Henrico or Charles City County local wetlands boards. Project drawings are attached.

AUTHORITY: Permits are required pursuant to Sections 401 and 404 of the Clean Water Act (Public Law 95-217) and Title 62.1 of the Code of Virginia.

FEDERAL EVALUATION OF APPLICATION: The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the proposed activity on the public interest. The decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected from the proposal must be balanced against its reasonably foreseeable detriments. All of the proposal's relevant factors will be considered, including conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, flood plain values, land use classification, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, consideration of property ownership and, in general, the needs and welfare of the people. The Environmental Protection Agency's "Guidelines for Specification of Disposal Sites for Dredged or Fill Material" will also be applied (Section 404(b)(1) of the Clean Water Act).

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the direct, indirect, and cumulative impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity. Anyone may request a public hearing to consider this permit application by writing to the District Commander within 30 days of the date of this notice, stating specific reasons for holding the public hearing. The District Commander will then decide if a hearing should be held.

Preliminary review indicates that: (1) The Federal Highway Administration (FHWA) is the lead federal agency for this project. They determined that the project qualifies for a Categorical

Exclusion (CE) which they signed October 25, 2011. No environmental impact statement will be required; (2) FHWA must determine whether any species of fish, wildlife, or plant (or their critical habitat) listed as endangered or threatened under the Endangered Species Act of 1973 (PL 93-205) will be affected. A survey has been conducted for sensitive joint vetch, small whorled pogonia, and swamp pink by a USFWS-approved surveyor. The survey concluded habitat was not present for these species and no populations were found. No Corps coordination with USFWS is required; and (3) FHWA determined that the proposed activities will have no adverse effect to properties eligible for inclusion or included in the National Register of Historic Places. The Virginia Department of Historic Resources concurred with that determination on September 1, 2011. Additional information might change any of these findings. For compliance with the Coastal Zone Management Act of 1972, as amended, the applicant must certify that federally licensed or permitted activities affecting Virginia's coastal zone (Tidewater) will be conducted in a manner consistent with the Virginia Coastal Resources Management Program (VCP). For more information or to obtain a list of the enforceable programs of the VCP, contact the Department of Environmental Quality, Office of Environmental Impact Review at (804) 698-4330 or e-mail: elirons@deq.virginia.gov.

COMMENT PERIOD: Comments on this project should be made in writing, addressed to the Norfolk District, Corps of Engineers (ATTN: CENAO-WR-R), 803 Front Street, Norfolk, Virginia 23510-1096, and should be received by the close of business on March 12, 2013.

PRIVACY & CONFIDENTIALITY: Comments and information, including the identity of the submitter, submitted in response to this Public Notice may be disclosed, reproduced, and distributed at the discretion of the U.S. Army Corps of Engineers. Information that is submitted in connection with this Public Notice cannot be maintained as confidential by the U.S. Army Corps of Engineers. Submissions should not include any information that the submitter seeks to preserve as confidential.

If you have any questions about this project or the permit process, contact Ms. Chelsea Bowman at 757-201-7060 or Chelsea.B.Bowman@usace.army.mil.

FOR THE DISTRICT COMMANDER:



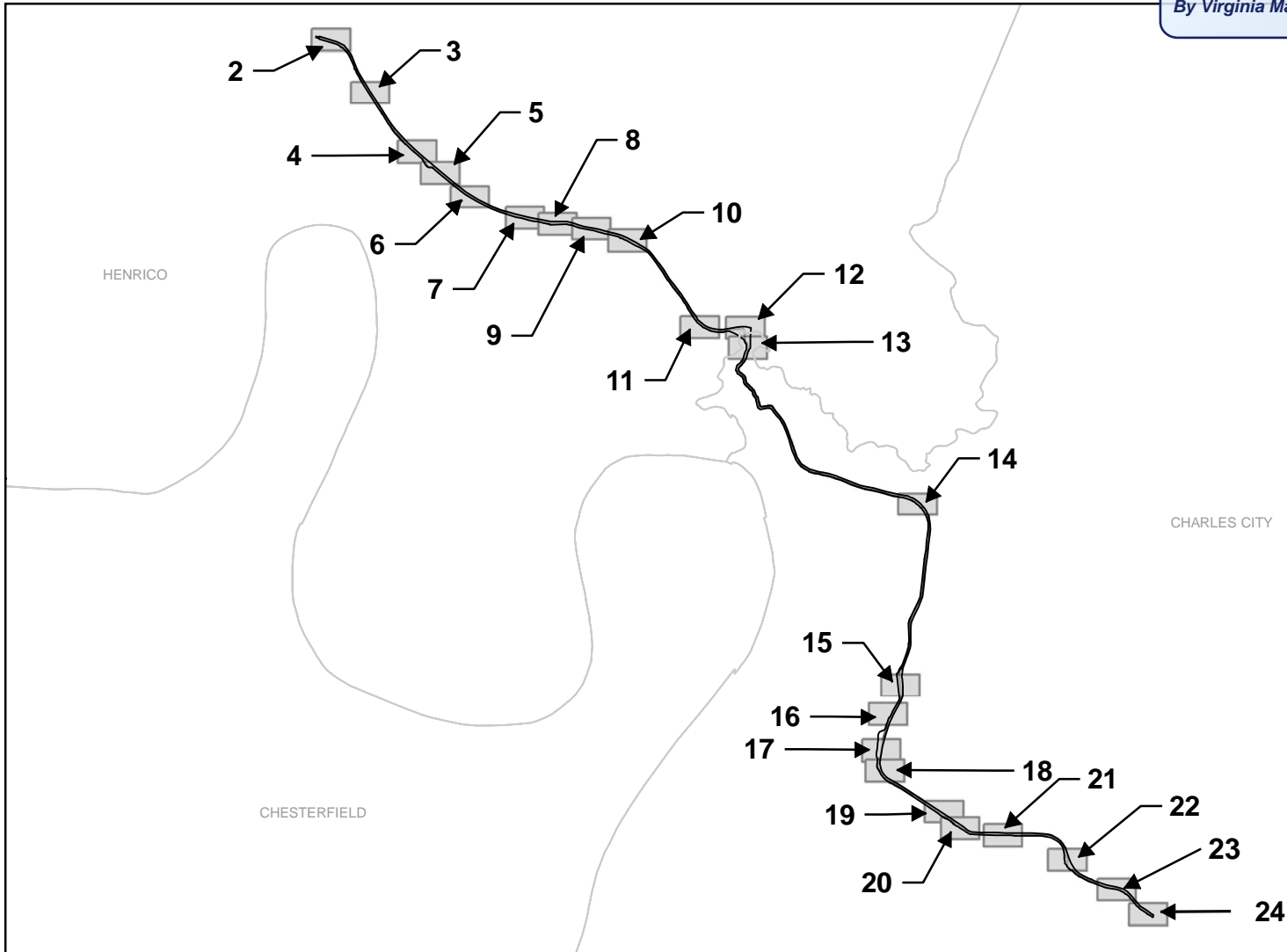
Kimberly A. Prisco-Baggett, MBA
Chief, Eastern Virginia
Regulatory Section

Attachment: Drawings

Appendix A
Permit Drawings

RECEIVED

By Virginia Marine Resources Commission at 9:58 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

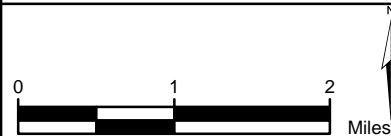
Legend:

- Project Study Area
- Permit Drawing Sheets
- County Boundary

Applicant:



Revisions:



Project:

Capital Trail - New Market Heights
HENRICO AND CHARLES CITY COUNTY, VIRGINIA

Title:

PERMIT DRAWINGS - INDEX

Drawn By:

ATKINS

Scale:

As Shown

SHEET

Job No.

100028555

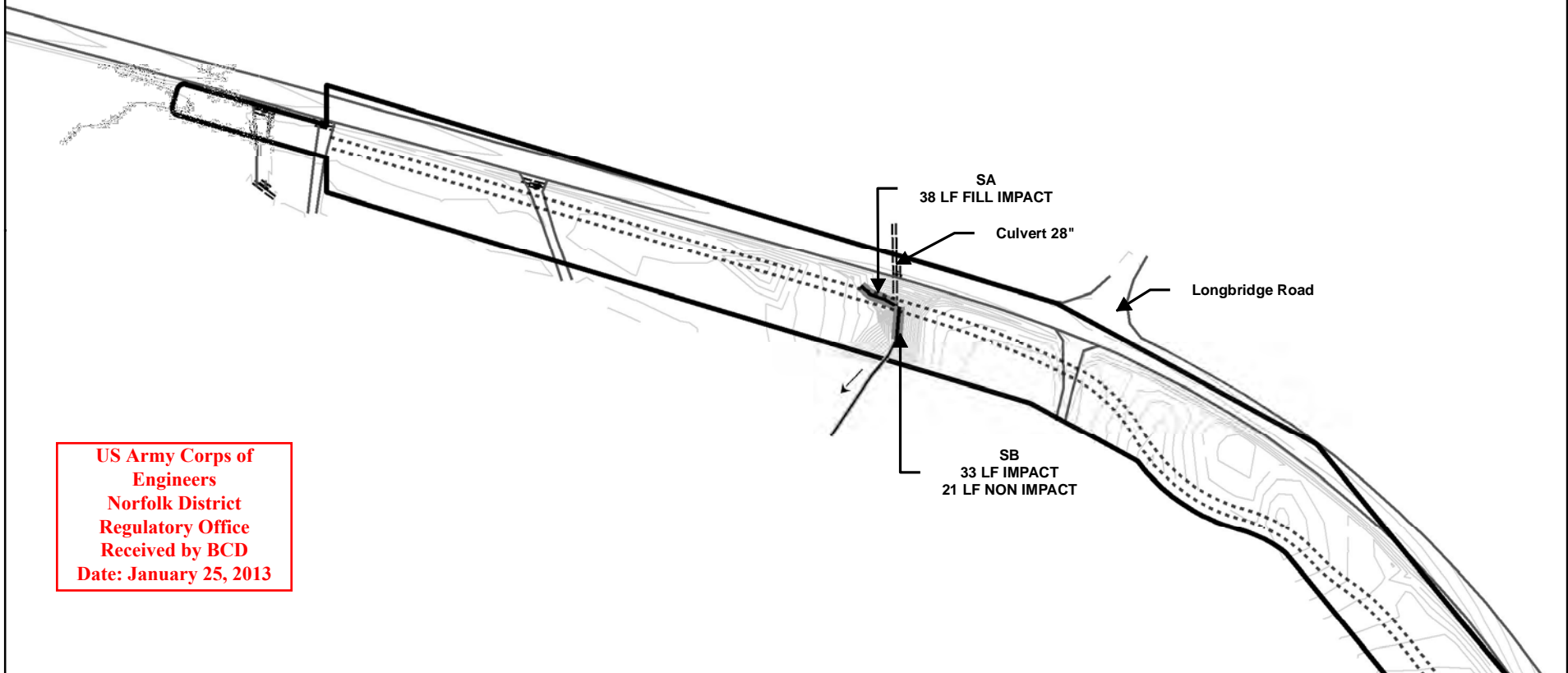
Date:

1/16/2013

1

RECEIVED

By Virginia Marine Resources Commission at 9:58 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

- Legend:
- Project Study Area
 - 10-Foot Trail
 - Stream
 - Wetland
 - Open Water
 - Stream Impact
 - Wetland Impact
 - Flow Direction
 - Roads
 - Proposed Bridges
 - Existing Culverts

Applicant:

HENDERSON
INCORPORATED 53rd
BEYOND THE BUILDING
www.hendersoninc.com

Revisions:

0 150 Feet

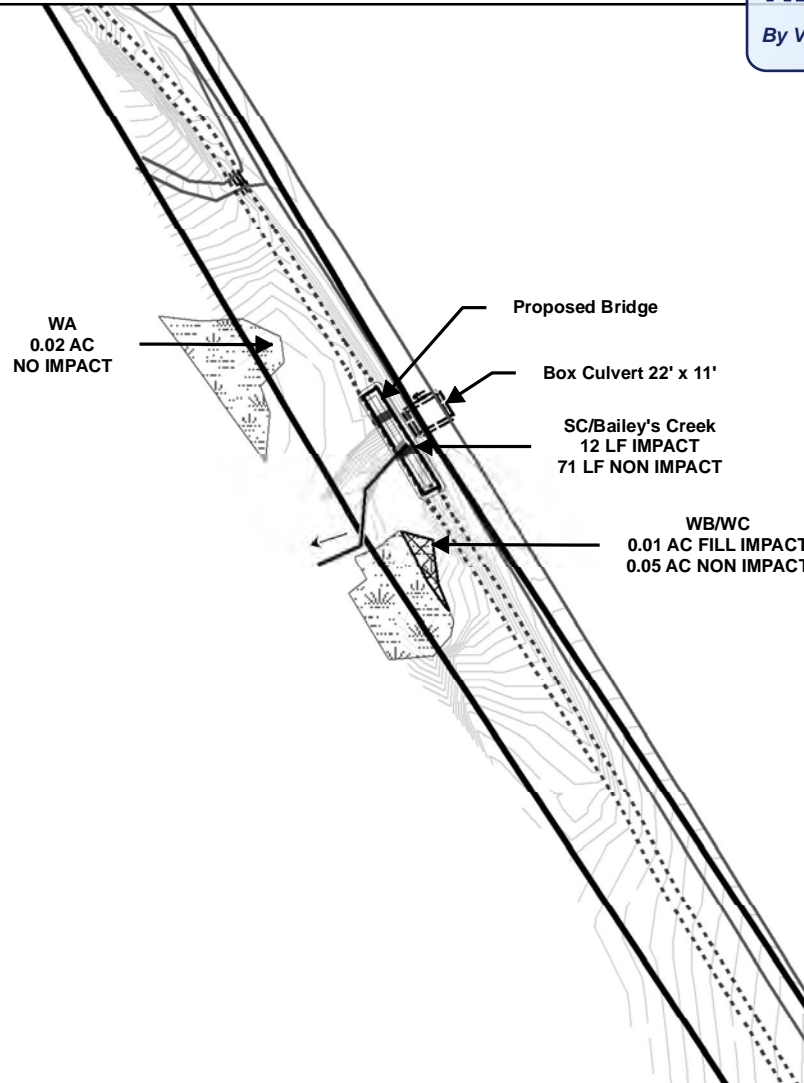
Project: Capital Trail - New Market Heights
HENRICO AND CHARLES CITY COUNTY, VIRGINIA

Title: PERMIT DRAWINGS

Drawn By: ATKINS	Scale: As Shown	SHEET 2
Job No. 100028555	Date: 1/16/2013	

RECEIVED

By Virginia Marine Resources Commission at 9:59 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

Legend:

- Project Study Area
- 10-Foot Trail
- Stream
- Wetland
- Open Water
- Stream Impact
- Wetland Impact
- Flow Direction
- Roads
- Proposed Bridges
- Existing Culverts

Applicant:



Revisions:



Project:

Capital Trail - New Market Heights
HENRICO AND CHARLES CITY COUNTY, VIRGINIA

Title:

PERMIT DRAWINGS

Drawn By:

ATKINS

Scale:

As Shown

Job No.

100028555

Date:

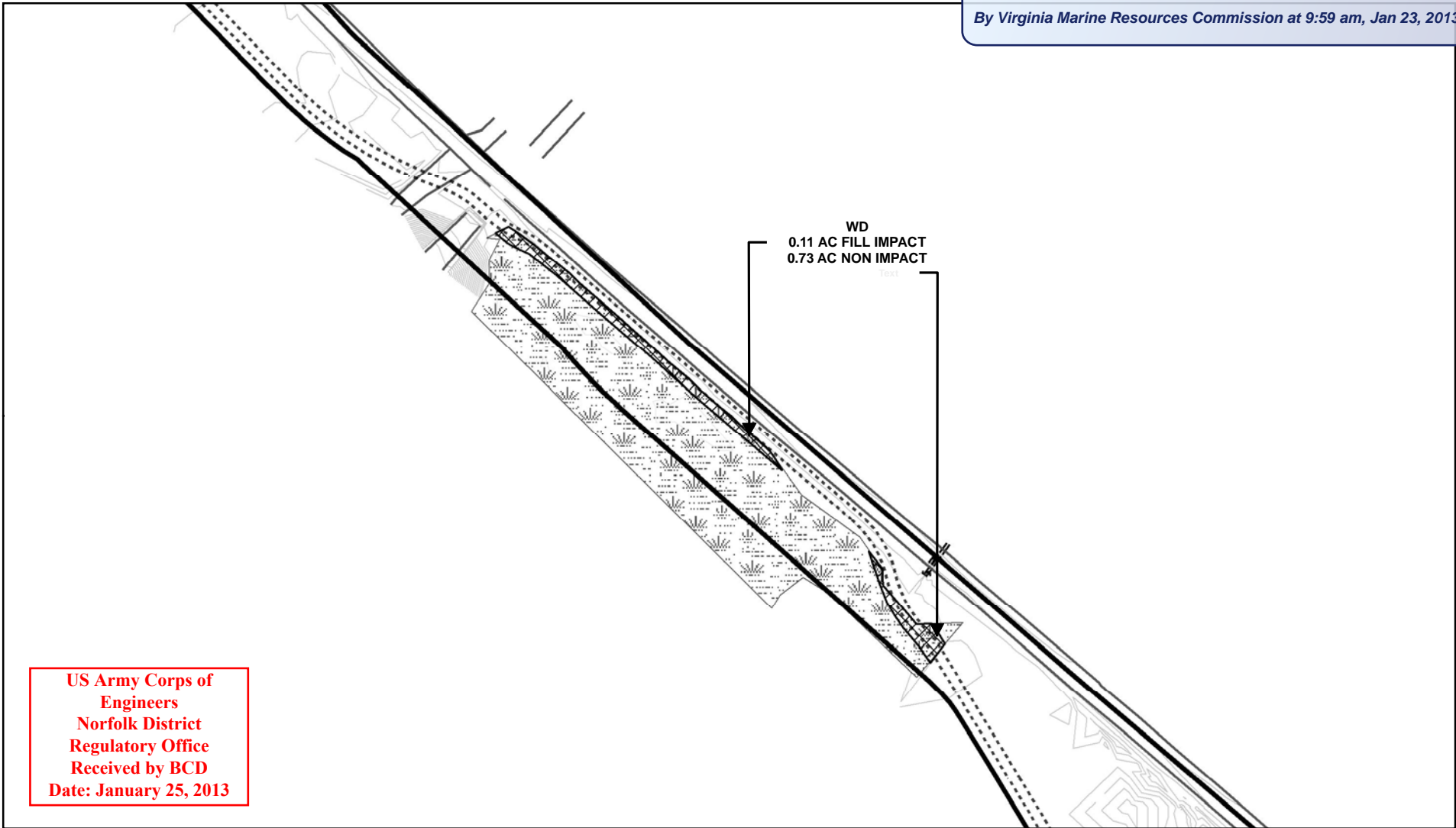
1/16/2013

SHEET

3

RECEIVED

By Virginia Marine Resources Commission at 9:59 am, Jan 23, 2013

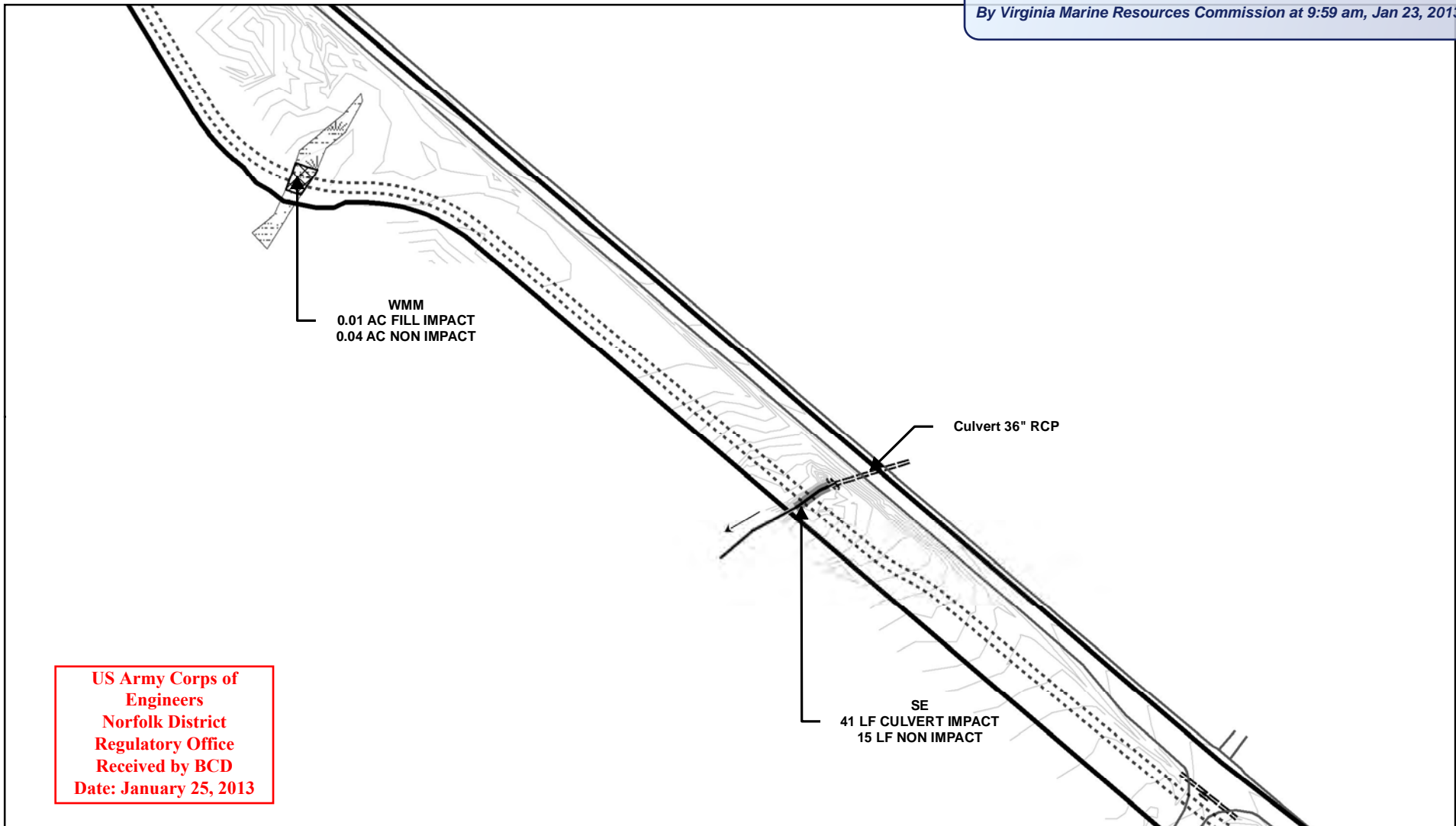


**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

Legend: Project Study Area 10-Foot Trail Stream Wetland Open Water Stream Impact Wetland Impact Flow Direction Roads Proposed Bridges Existing Culverts	Applicant: BEYOND THE BUILDING www.hendersoninc.com	Revisions:	Project: Capital Trail - New Market Heights HENRICO AND CHARLES CITY COUNTY, VIRGINIA		
		 0 150 Feet	Title: PERMIT DRAWINGS		
			Drawn By: ATKINS	Scale: As Shown	SHEET 4
			Job No.: 100028555	Date: 1/16/2013	

RECEIVED

By Virginia Marine Resources Commission at 9:59 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

- Legend:
- Project Study Area
 - 10-Foot Trail
 - Stream
 - Wetland
 - Open Water
 - Stream Impact
 - Wetland Impact
 - Flow Direction
 - Roads
 - Proposed Bridges
 - Existing Culverts

Applicant:

HENDERSON
INCORPORATED 53
BEYOND THE BUILDING
www.hendersoninc.com

Revisions:

0 150 Feet

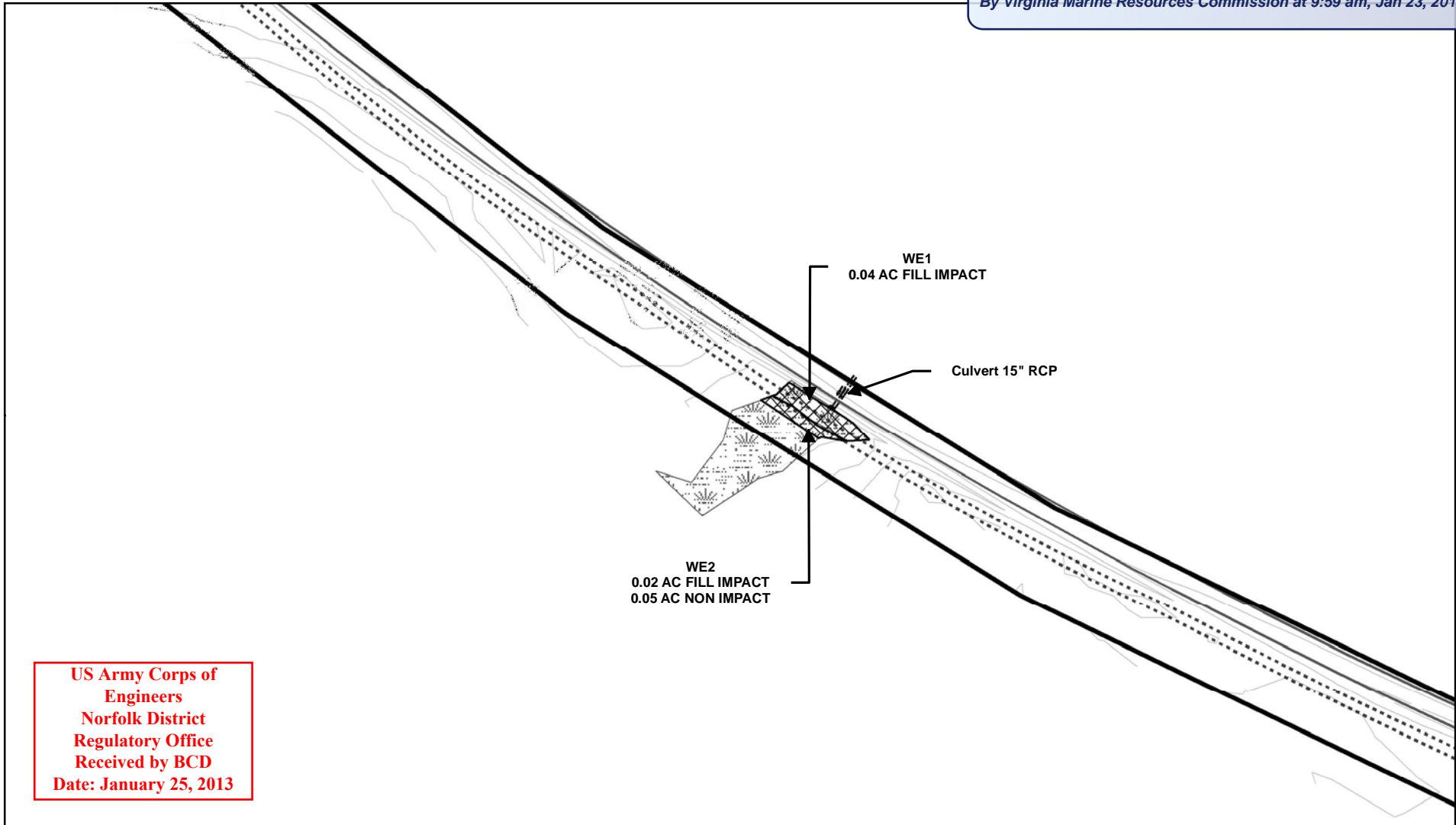
Project: Capital Trail - New Market Heights
HENRICO AND CHARLES CITY COUNTY, VIRGINIA

Title: PERMIT DRAWINGS

Drawn By: ATKINS	Scale: As Shown	SHEET 5
Job No. 100028555	Date: 1/16/2013	

RECEIVED

By Virginia Marine Resources Commission at 9:59 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

Project Study Area	Stream Impact
10-Foot Trail	Wetland Impact
Stream	Flow Direction
Wetland	Roads
Open Water	Proposed Bridges
	Existing Culverts

Applicant:

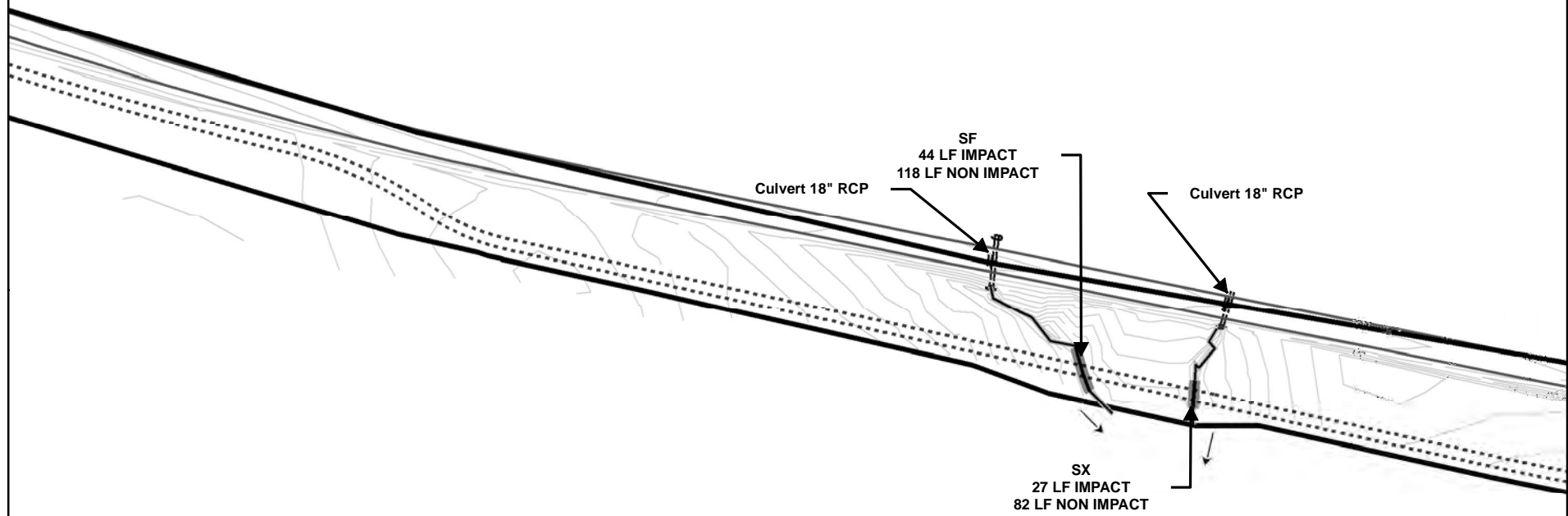
BEYOND THE BUILDING
www.hendersoninc.com

Revisions:

Project: Capital Trail - New Market Heights HENRICO AND CHARLES CITY COUNTY, VIRGINIA		
Title: PERMIT DRAWINGS		
Drawn By: ATKINS	Scale: As Shown	SHEET 6
Job No. 100028555	Date: 1/16/2013	

RECEIVED

By Virginia Marine Resources Commission at 9:59 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

Project Study Area	Stream Impact
10-Foot Trail	Wetland Impact
Stream	Flow Direction
Wetland	Roads
Open Water	Proposed Bridges
	Existing Culverts

Applicant:

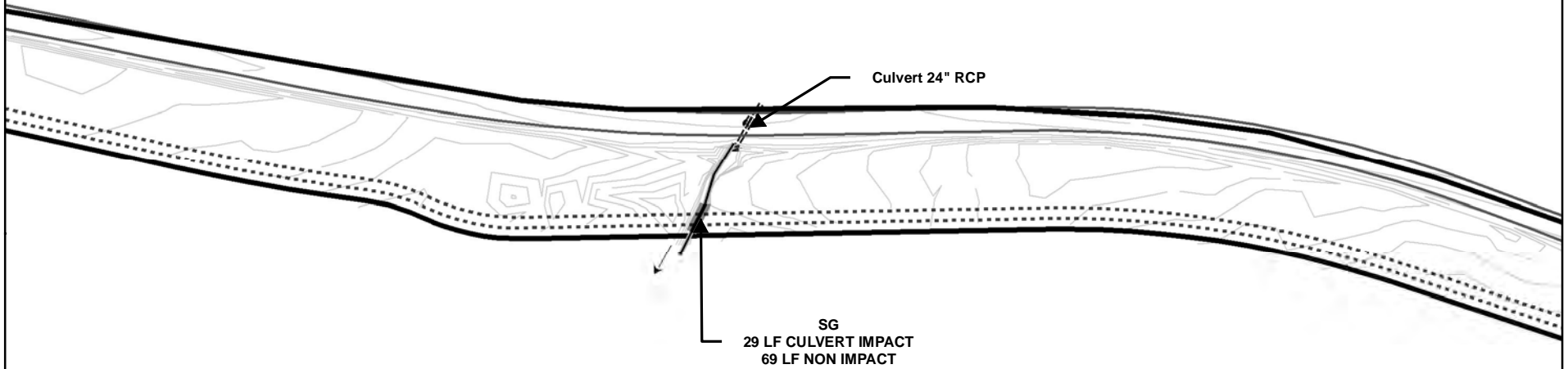
BEYOND THE BUILDING
www.hendersoninc.com

Revisions:

Project: Capital Trail - New Market Heights HENRICO AND CHARLES CITY COUNTY, VIRGINIA		
Title: PERMIT DRAWINGS		
Drawn By: ATKINS	Scale: As Shown	SHEET 7
Job No. 100028555	Date: 1/16/2013	

RECEIVED

By Virginia Marine Resources Commission at 9:59 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

- Legend:
- Project Study Area
 - 10-Foot Trail
 - Stream
 - Wetland
 - Open Water

- Stream Impact
- Wetland Impact
- Flow Direction
- Roads
- Proposed Bridges
- Existing Culverts

Applicant:

BEYOND THE BUILDING
www.hendersoninc.com

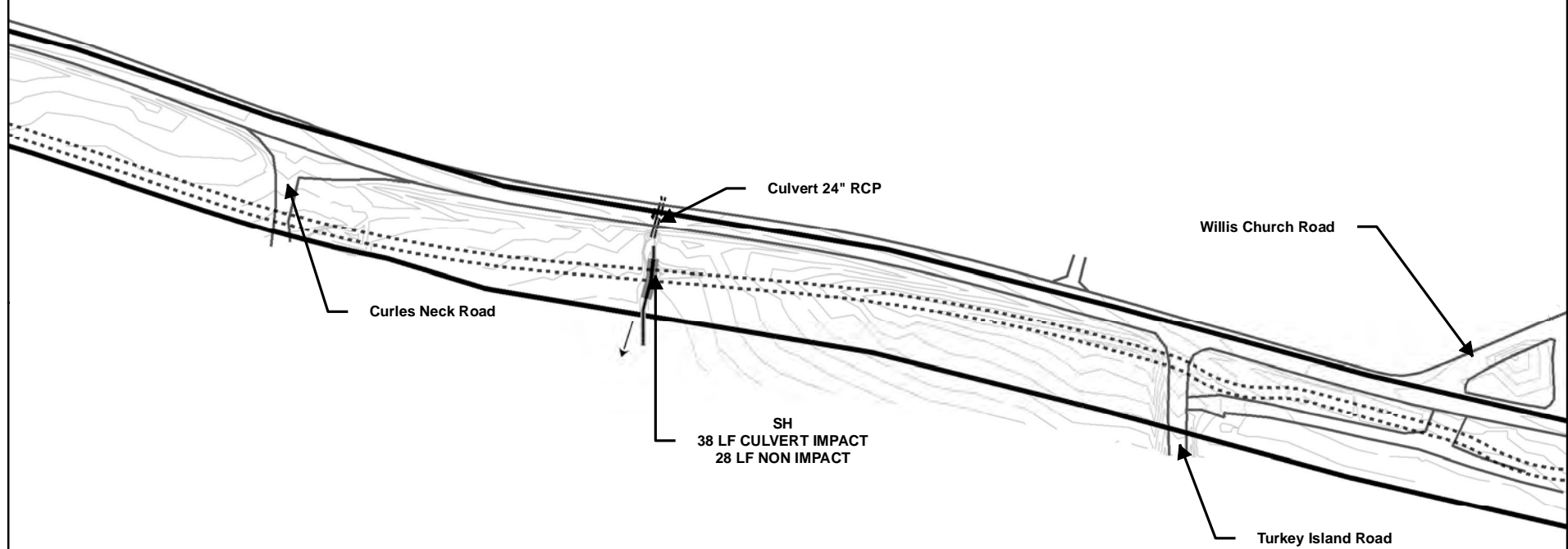
Revisions:

0 150 Feet

Project: Capital Trail - New Market Heights
HENRICO AND CHARLES CITY COUNTY, VIRGINIA

Title: PERMIT DRAWINGS

Drawn By: ATKINS	Scale: As Shown	SHEET 8
Job No. 100028555	Date: 1/16/2013	



**US Army Corps of
 Engineers
 Norfolk District
 Regulatory Office
 Received by BCD
 Date: January 25, 2013**

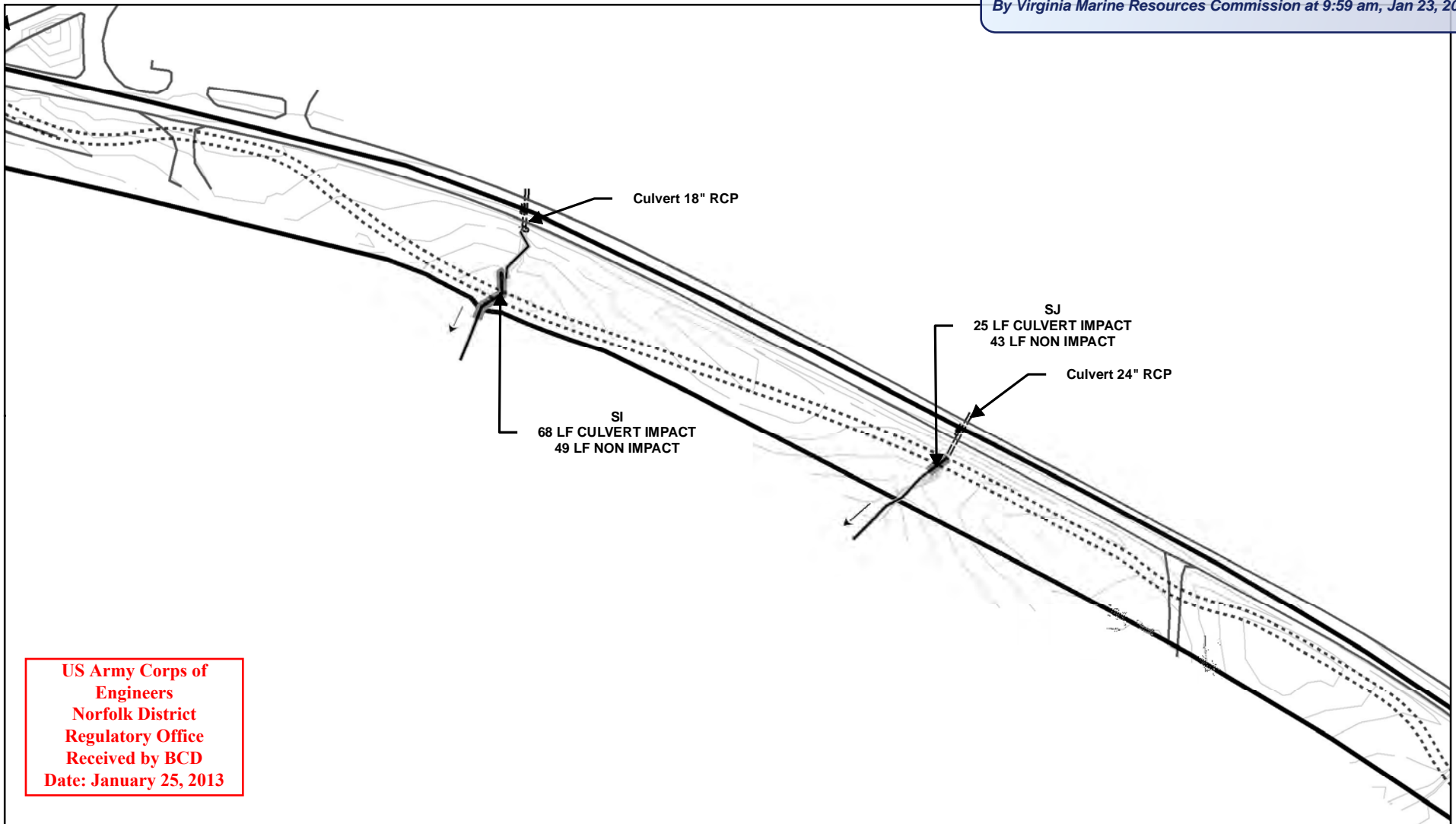
	Project Study Area		Stream Impact
	10-Foot Trail		Wetland Impact
	Stream		Flow Direction
	Wetland		Roads
	Open Water		Proposed Bridges
			Existing Culverts

Applicant:

Revisions:

0 150 Feet

Project: Capital Trail - New Market Heights HENRICO AND CHARLES CITY COUNTY, VIRGINIA		
Title: PERMIT DRAWINGS		
Drawn By: ATKINS	Scale: As Shown	SHEET 9
Job No. 100028555	Date: 1/16/2013	



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

- Legend:
- Project Study Area
 - 10-Foot Trail
 - Stream
 - Wetland
 - Open Water
 - Stream Impact
 - Wetland Impact
 - Flow Direction
 - Roads
 - Proposed Bridges
 - Existing Culverts

Applicant:

HENDERSON
INCORPORATED **53**
BEYOND THE BUILDING
www.hendersoninc.com

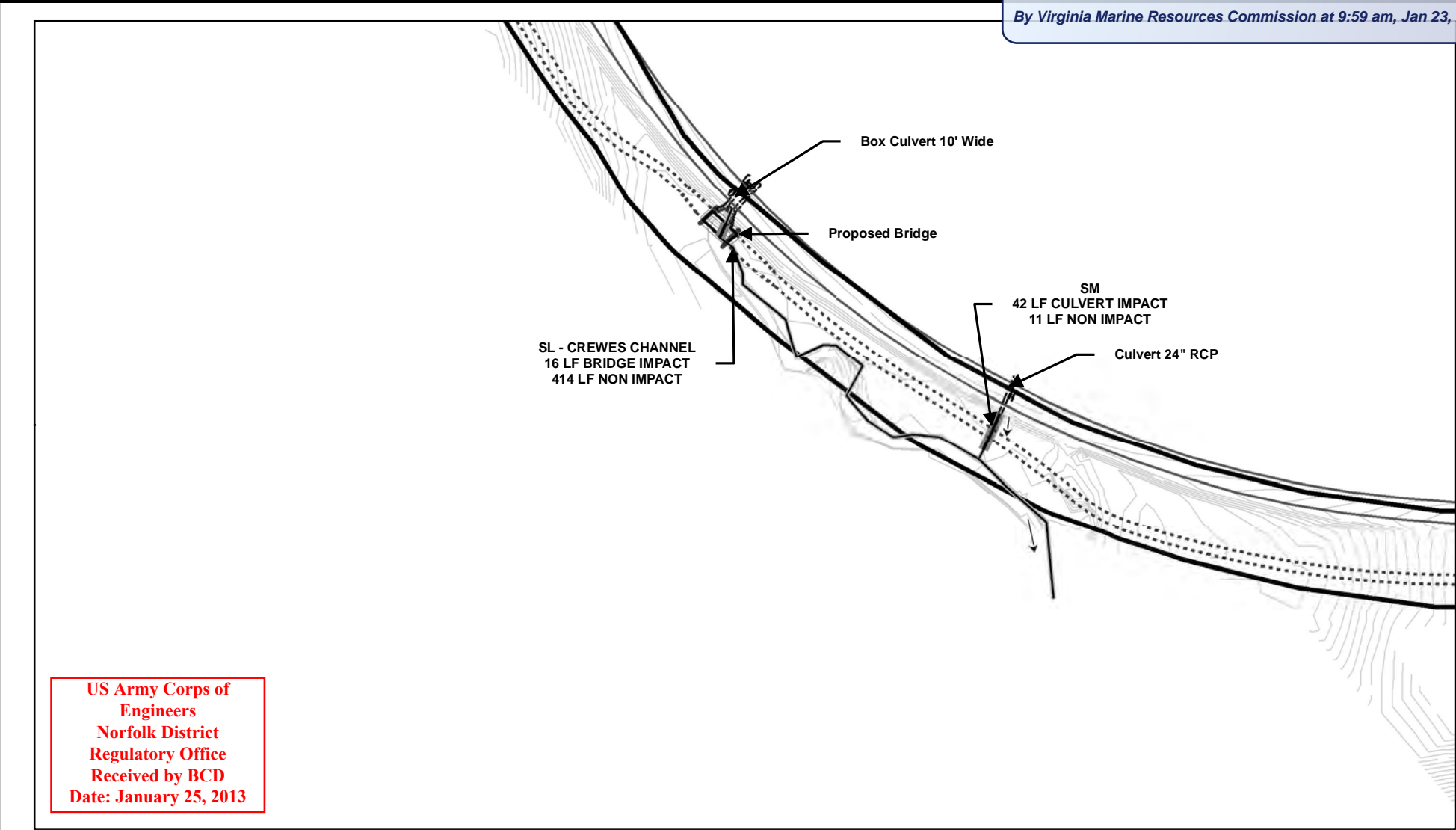
Revisions:

0 150 Feet

Project: Capital Trail - New Market Heights
HENRICO AND CHARLES CITY COUNTY, VIRGINIA

Title: PERMIT DRAWINGS

Drawn By: ATKINS	Scale: As Shown	SHEET 10
Job No. 100028555	Date: 1/16/2013	



**US Army Corps of
 Engineers
 Norfolk District
 Regulatory Office
 Received by BCD
 Date: January 25, 2013**

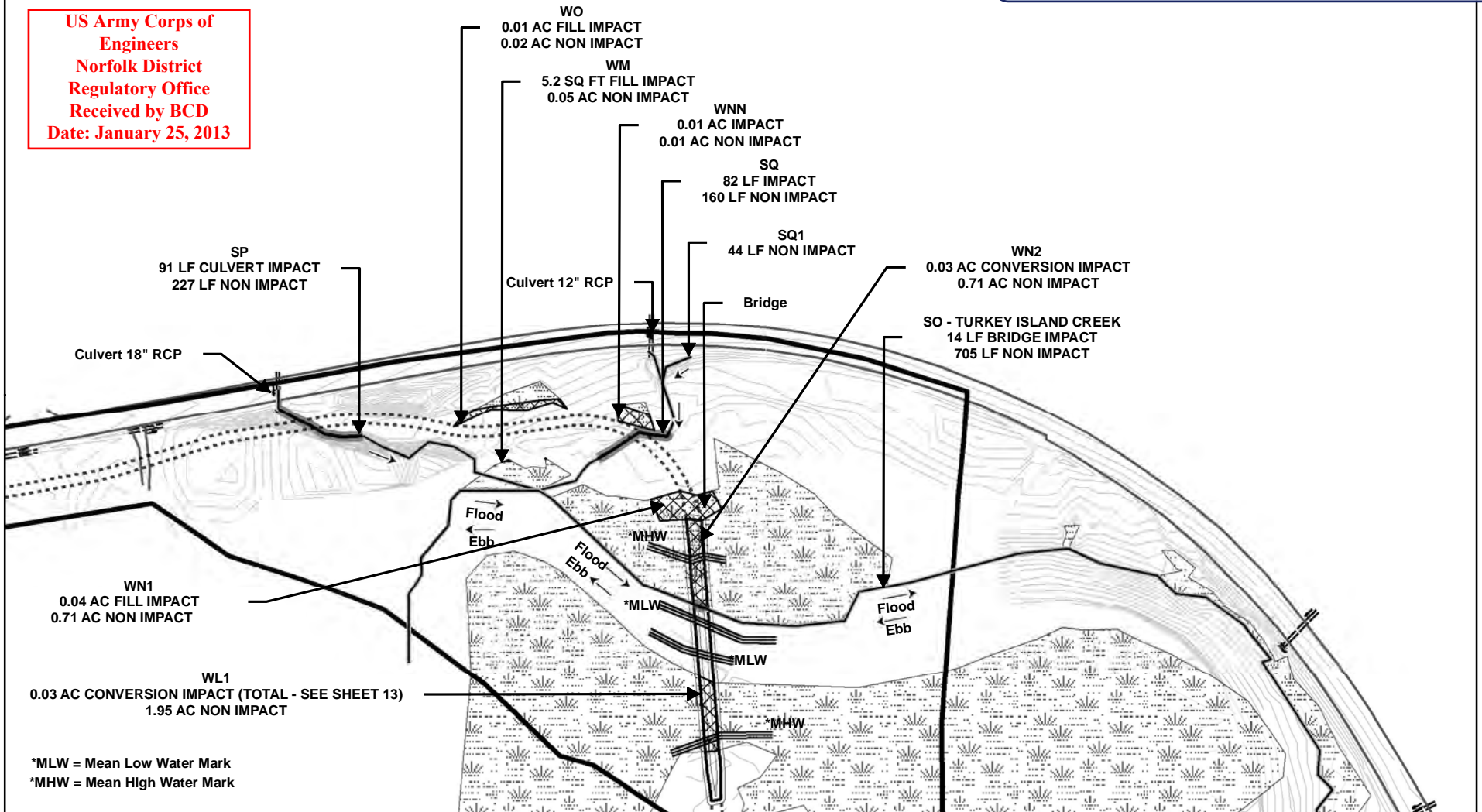
	Project Study Area		Stream Impact
	10-Foot Trail		Wetland Impact
	Stream		Flow Direction
	Wetland		Roads
	Open Water		Proposed Bridges
			Existing Culverts

Applicant:

Revisions:

Project: Capital Trail - New Market Heights HENRICO AND CHARLES CITY COUNTY, VIRGINIA		
Title: PERMIT DRAWINGS		
Drawn By: ATKINS	Scale: As Shown	SHEET 11
Job No. 100028555	Date: 1/16/2013	

**US Army Corps of Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**



*MLW = Mean Low Water Mark
*MHW = Mean High Water Mark

	Project Study Area		Stream Impact
	10-Foot Trail		Wetland Impact
	Stream		Flow Direction
	Wetland		Roads
	Open Water		Proposed Bridges
			Existing Culverts

Applicant:

HENDERSON
INCORPORATED 53
BEYOND THE BUILDING
www.hendersoninc.com

Revisions:

0 150 Feet

N

Project: Capital Trail - New Market Heights HENRICO AND CHARLES CITY COUNTY, VIRGINIA		
Title: PERMIT DRAWINGS		
Drawn By: ATKINS	Scale: As Shown	SHEET 12
Job No. 100028555	Date: 1/16/2013	

Mean Low Water Mark
Mean High Water Mark

**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

WL2
0.12 AC FILL IMPACT (TOTAL - ALSO SHEET 12)
1.68 AC NON IMPACT

WOO
0.02 AC NON IMPACT

RECEIVED
By Virginia Marine Resources Commission at 9:59 am, Jan 23, 2013

- Legend:
- Project Study Area
 - 10-Foot Trail
 - Stream
 - Wetland
 - Open Water
 - Stream Impact
 - Wetland Impact
 - Flow Direction
 - Roads
 - Proposed Bridges
 - Existing Culverts

Applicant:

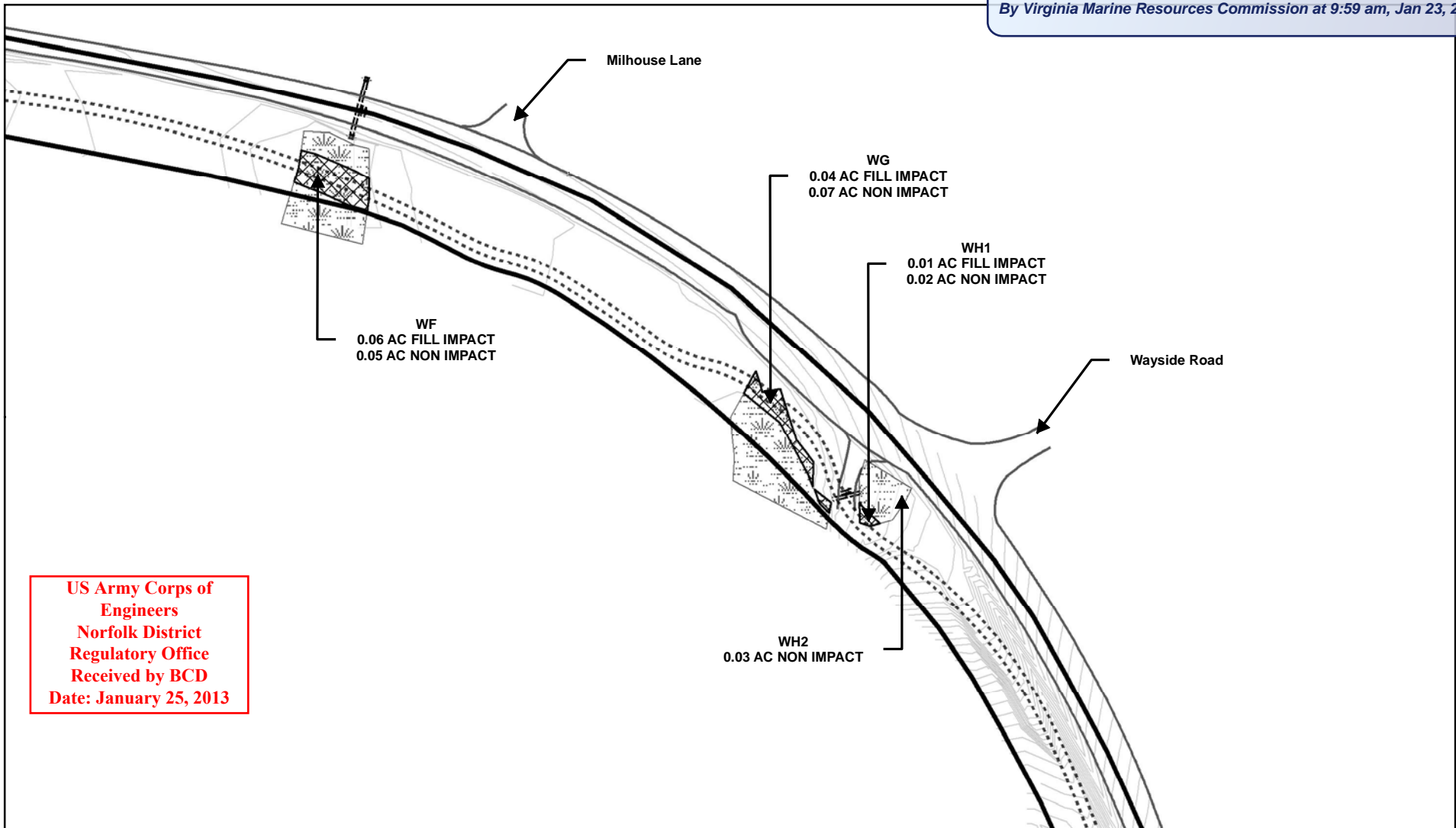
HENDERSON
INCORPORATED **53**
BEYOND THE BUILDING
www.hendersoninc.com

Revisions:

0 150 Feet

N

Project: Capital Trail - New Market Heights HENRICO AND CHARLES CITY COUNTY, VIRGINIA		
Title: PERMIT DRAWINGS		
Drawn By: ATKINS	Scale: As Shown	SHEET 13
Job No. 100028555	Date: 1/16/2013	



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

	Project Study Area		Stream Impact
	10-Foot Trail		Wetland Impact
	Stream		Flow Direction
	Wetland		Roads
	Open Water		Proposed Bridges
			Existing Culverts

Applicant:

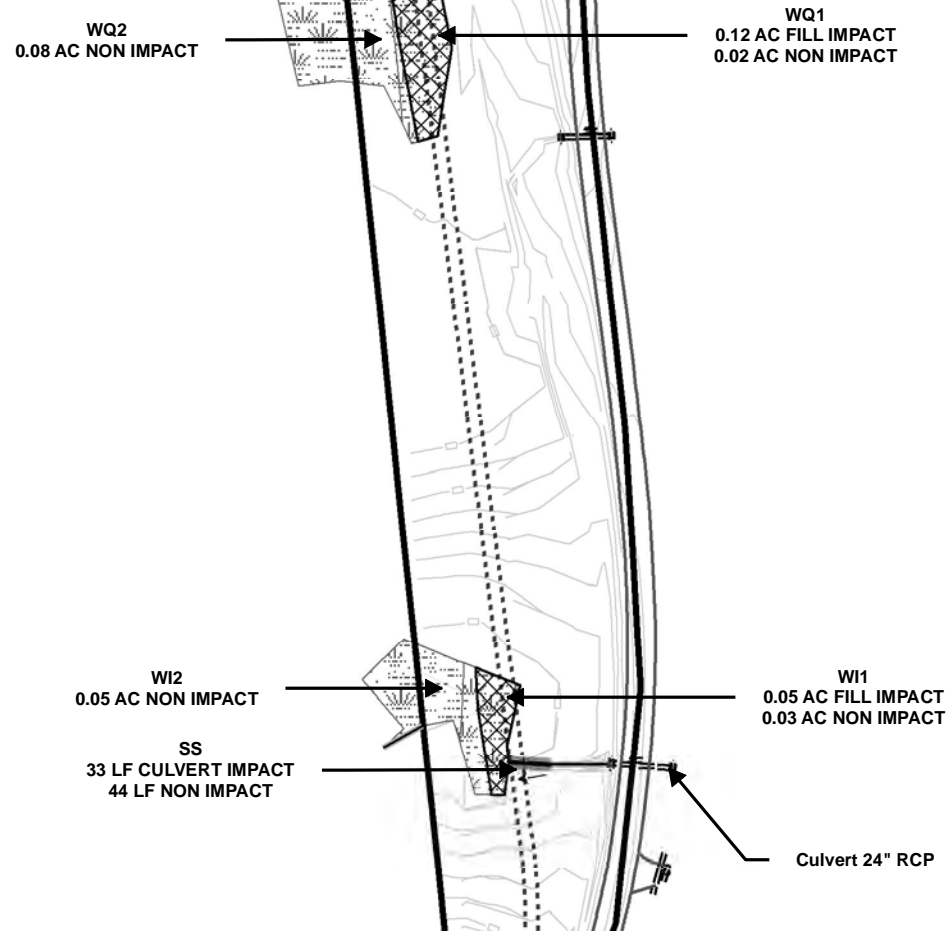
HENDERSON
INCORPORATED 53rd
BEYOND THE BUILDING
www.hendersoninc.com

Revisions:

Project: Capital Trail - New Market Heights HENRICO AND CHARLES CITY COUNTY, VIRGINIA		
Title: PERMIT DRAWINGS		
Drawn By: ATKINS	Scale: As Shown	SHEET 14
Job No. 100028555	Date: 1/16/2013	

RECEIVED

By Virginia Marine Resources Commission at 9:59 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

- Legend:
- Project Study Area
 - 10-Foot Trail
 - Stream
 - Wetland
 - Open Water
 - Stream Impact
 - Wetland Impact
 - Flow Direction
 - Roads
 - Proposed Bridges
 - Existing Culverts

Applicant:

HENDERSON
INCORPORATED 53rd
BEYOND THE BUILDING
www.hendersoninc.com

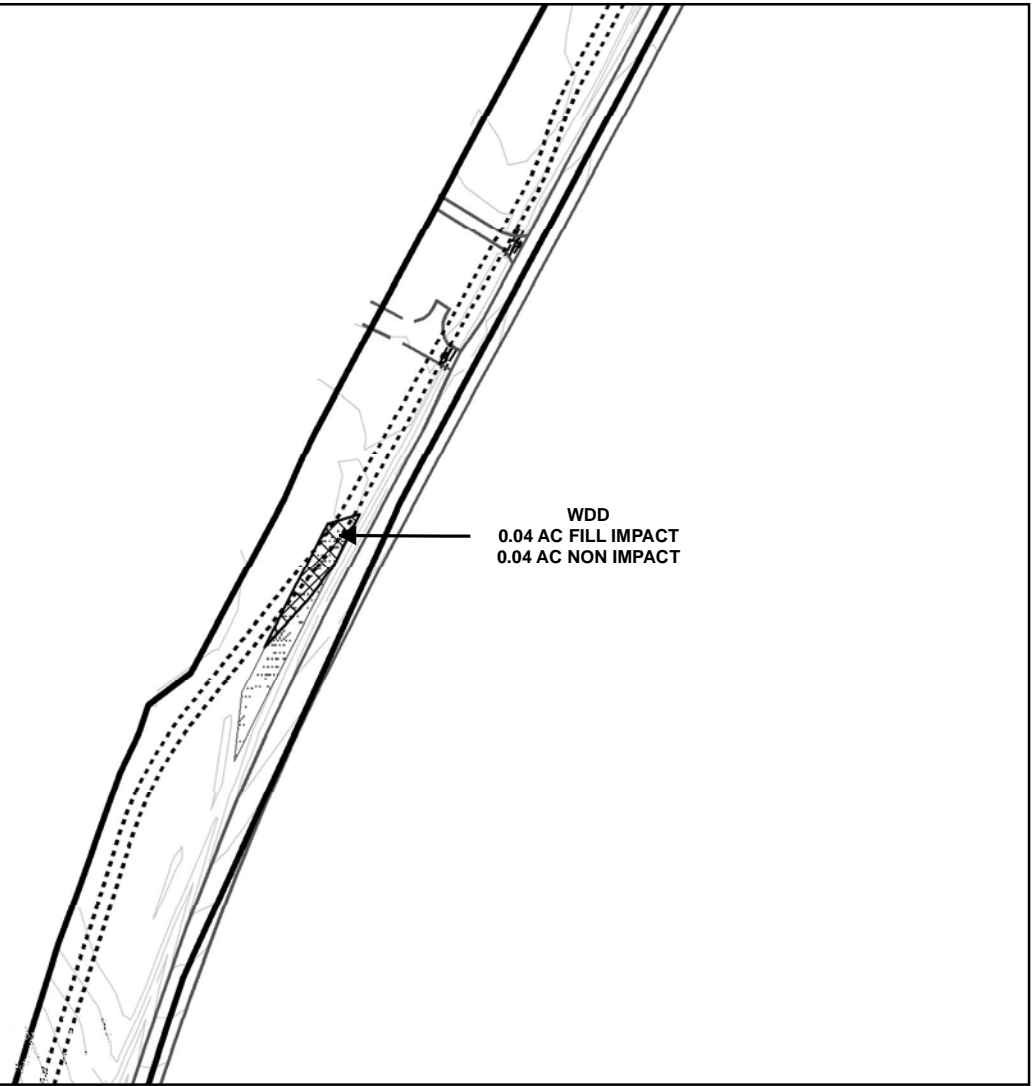
Revisions:

0 150 Feet

Project: Capital Trail - New Market Heights HENRICO AND CHARLES CITY COUNTY, VIRGINIA		
Title: PERMIT DRAWINGS		
Drawn By: ATKINS	Scale: As Shown	SHEET 15
Job No. 100028555	Date: 1/16/2013	

RECEIVED

By Virginia Marine Resources Commission at 9:59 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

Legend:

- Project Study Area
- 10-Foot Trail
- Stream
- Wetland
- Open Water
- Stream Impact
- Wetland Impact
- Flow Direction
- Roads
- Proposed Bridges
- Existing Culverts

Applicant:



Revisions:



Project:

Capital Trail - New Market Heights
HENRICO AND CHARLES CITY COUNTY, VIRGINIA

Title:

PERMIT DRAWINGS

Drawn By:

ATKINS

Scale:

As Shown

Job No.

100028555

Date:

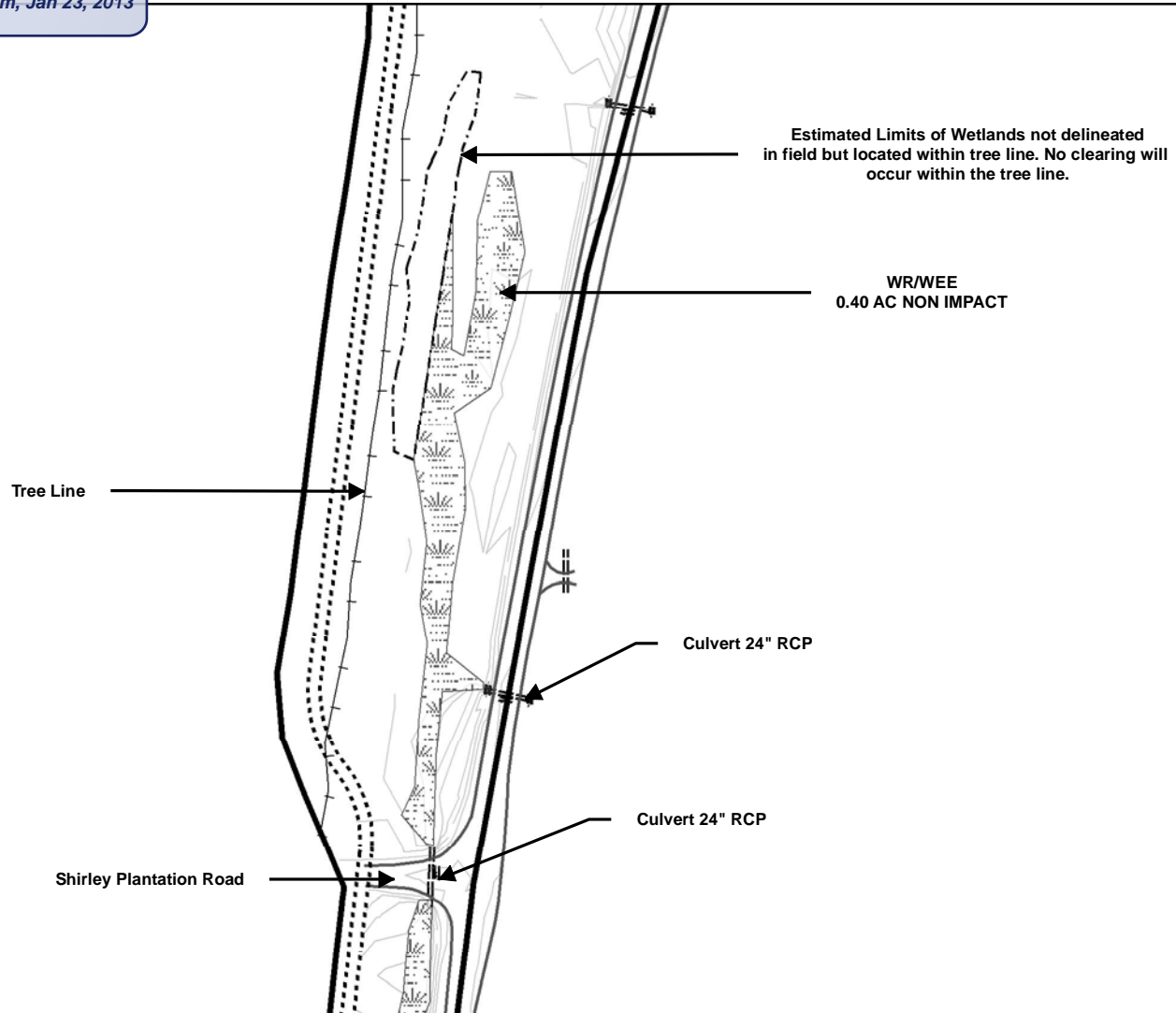
1/16/2013

SHEET

16

RECEIVED

By Virginia Marine Resources Commission at 10:00 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

Legend:

- Project Study Area
- 10-Foot Trail
- Stream
- Wetland
- Open Water
- Stream Impact
- Wetland Impact
- Flow Direction
- Roads
- Proposed Bridges
- Existing Culverts

Applicant:



Revisions:



Project:

Capital Trail - New Market Heights
HENRICO AND CHARLES CITY COUNTY, VIRGINIA

Title:

PERMIT DRAWINGS

Drawn By:

ATKINS

Scale:

As Shown

Job No.

100028555

Date:

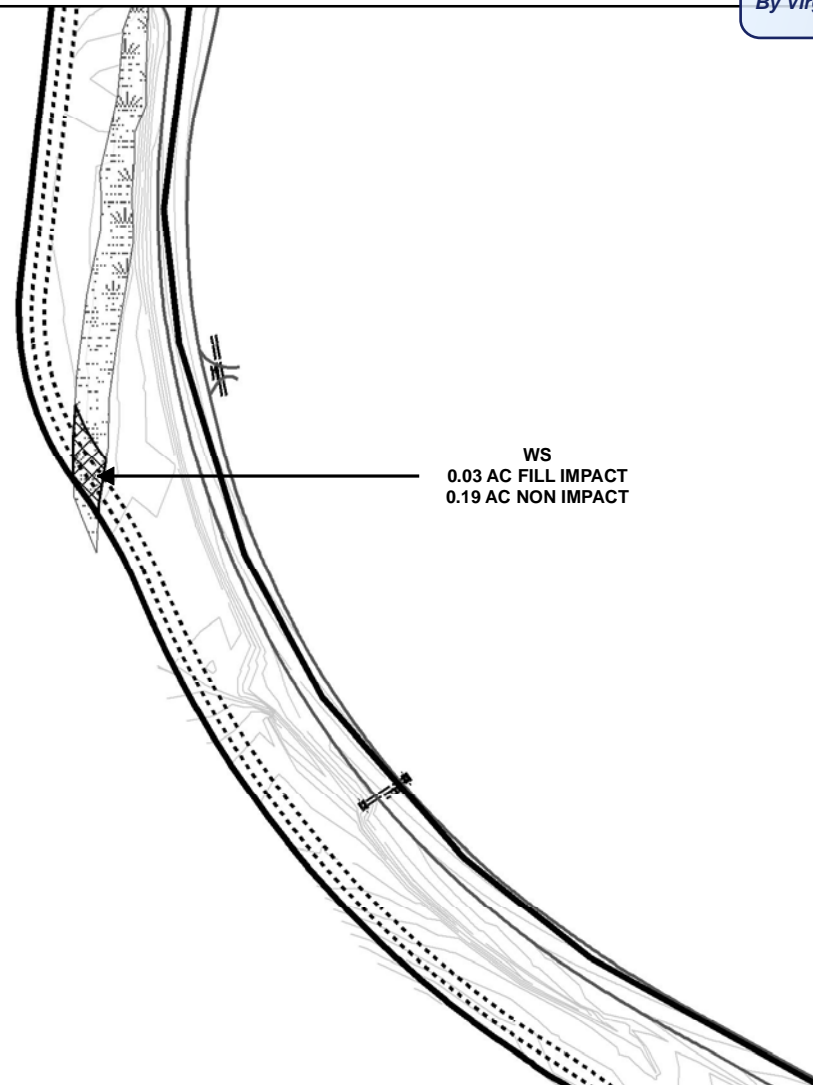
1/16/2013

SHEET

17

RECEIVED

By Virginia Marine Resources Commission at 10:00 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

- Legend:
- Project Study Area
 - 10-Foot Trail
 - Stream
 - Wetland
 - Open Water
 - Stream Impact
 - Wetland Impact
 - Flow Direction
 - Roads
 - Proposed Bridges
 - Existing Culverts

Applicant:

HENDERSON
INCORPORATED **53**
BEYOND THE BUILDING
www.hendersoninc.com

Revisions:

0 150 Feet

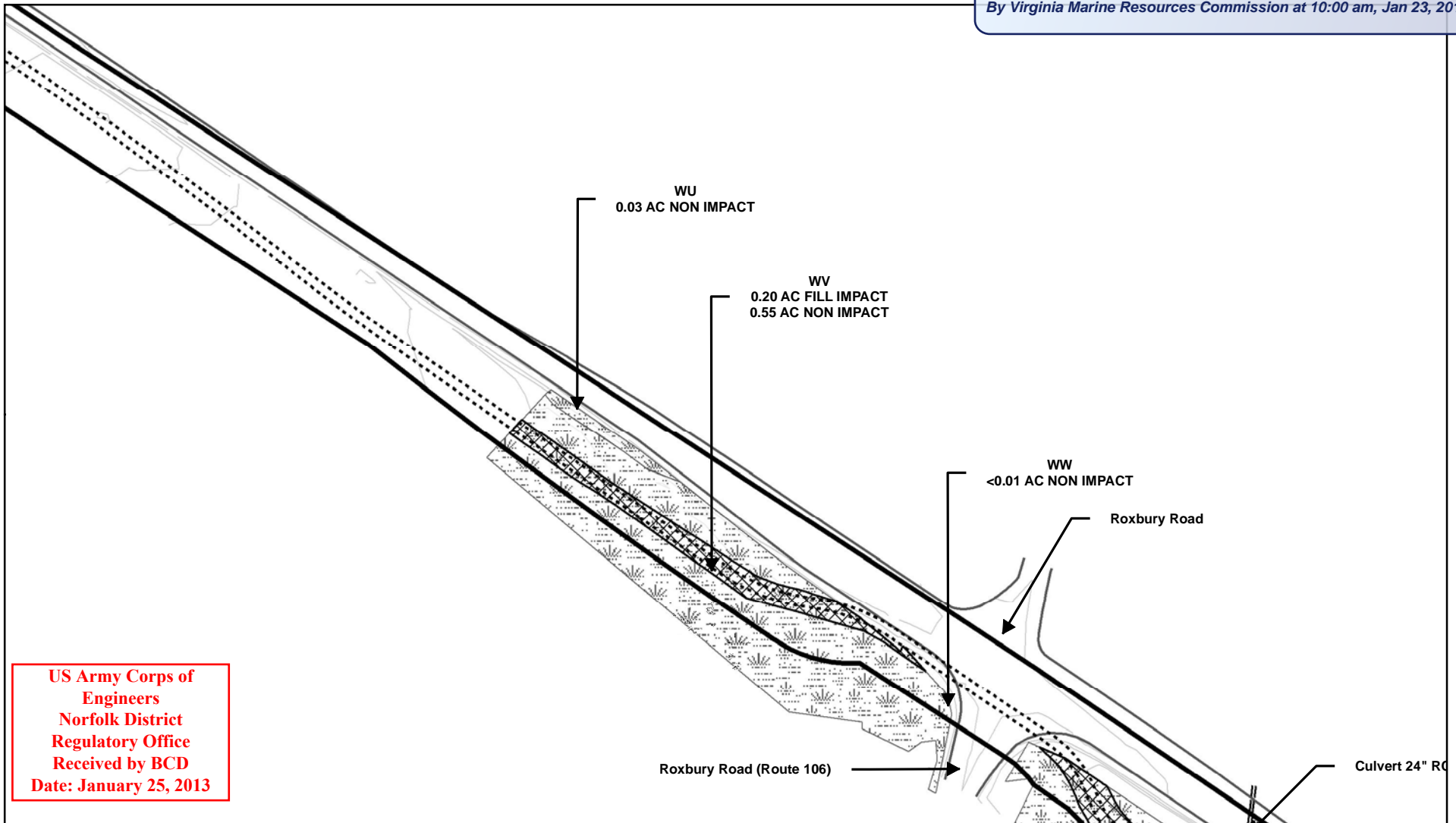
Project: Capital Trail - New Market Heights
HENRICO AND CHARLES CITY COUNTY, VIRGINIA

Title: PERMIT DRAWINGS

Drawn By: ATKINS	Scale: As Shown	SHEET 18
Job No. 100028555	Date: 1/16/2013	

RECEIVED

By Virginia Marine Resources Commission at 10:00 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

- Legend:
- Project Study Area
 - 10-Foot Trail
 - Stream
 - Wetland
 - Open Water
 - Stream Impact
 - Wetland Impact
 - Flow Direction
 - Roads
 - Proposed Bridges
 - Existing Culverts

Applicant:

HENDERSON
INCORPORATED 53rd
BEYOND THE BUILDING
www.hendersoninc.com

Revisions:

0 150 Feet

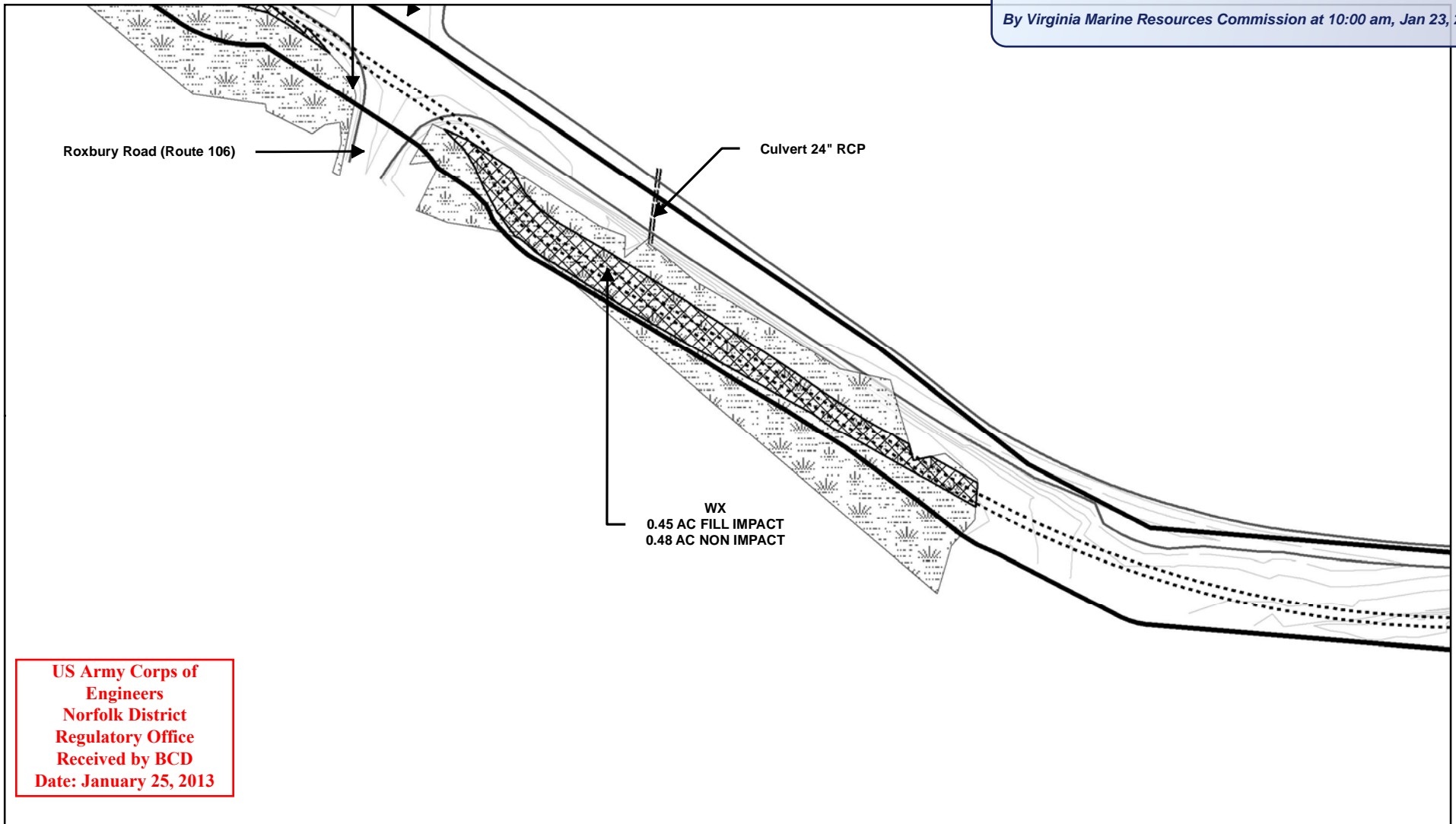
Project: Capital Trail - New Market Heights
HENRICO AND CHARLES CITY COUNTY, VIRGINIA

Title: PERMIT DRAWINGS

Drawn By: ATKINS	Scale: As Shown	SHEET 19
Job No. 100028555	Date: 1/16/2013	

RECEIVED

By Virginia Marine Resources Commission at 10:00 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

Legend:

	Project Study Area		Stream Impact
	10-Foot Trail		Wetland Impact
	Stream		Flow Direction
	Wetland		Roads
	Open Water		Proposed Bridges
			Existing Culverts

Applicant:

HENDERSON
INCORPORATED 53rd
BEYOND THE BUILDING
www.hendersoninc.com

Revisions:

0 150 Feet

Project: Capital Trail - New Market Heights HENRICO AND CHARLES CITY COUNTY, VIRGINIA		
Title: PERMIT DRAWINGS		
Drawn By: ATKINS	Scale: As Shown	SHEET 20
Job No. 100028555	Date: 1/16/2013	

RECEIVED












By Virginia Marine Resources Commission at 10:00 am, Jan 23, 2013

WY
198 SQ FT FILL IMPACT
0.02 AC NON IMPACT

Culvert 18" RCP

**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

Legend:

-  Project Study Area
-  10-Foot Trail
-  Stream
-  Wetland
-  Open Water
-  Stream Impact
-  Wetland Impact
-  Flow Direction
-  Roads
-  Proposed Bridges
-  Existing Culverts

Applicant:



Revisions:



Project:

Capital Trail - New Market Heights
HENRICO AND CHARLES CITY COUNTY, VIRGINIA

Title:

PERMIT DRAWINGS

Drawn By:

ATKINS

Scale:

As Shown

Job No.

100028555

Date:

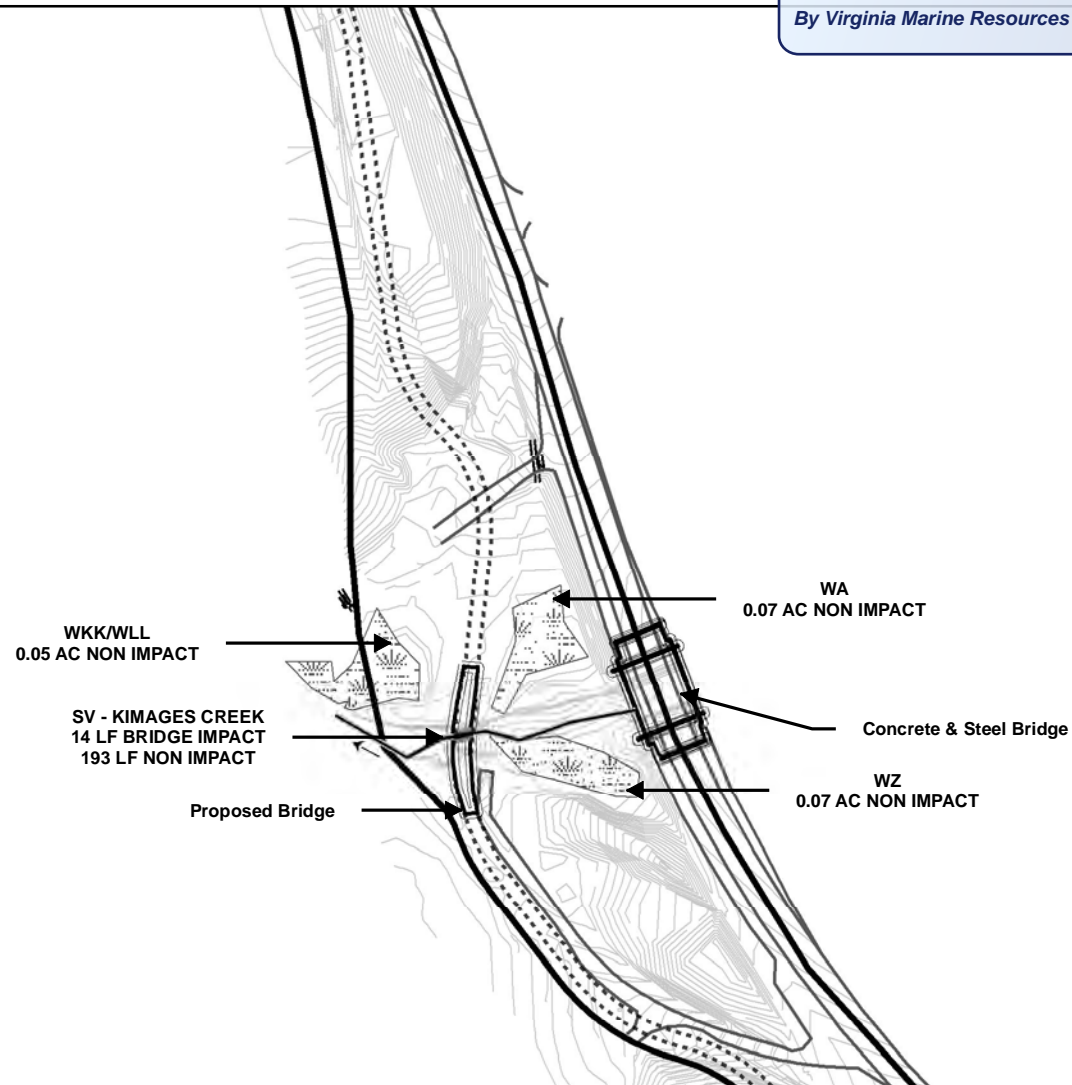
1/16/2013

SHEET

21

RECEIVED

By Virginia Marine Resources Commission at 10:00 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

- Legend:
- Project Study Area
 - 10-Foot Trail
 - Stream
 - Wetland
 - Open Water
 - Stream Impact
 - Wetland Impact
 - Flow Direction
 - Roads
 - Proposed Bridges
 - Existing Culverts

Applicant:

HENDERSON
INCORPORATED 53
BEYOND THE BUILDING
www.hendersoninc.com

Revisions:

0 150 Feet

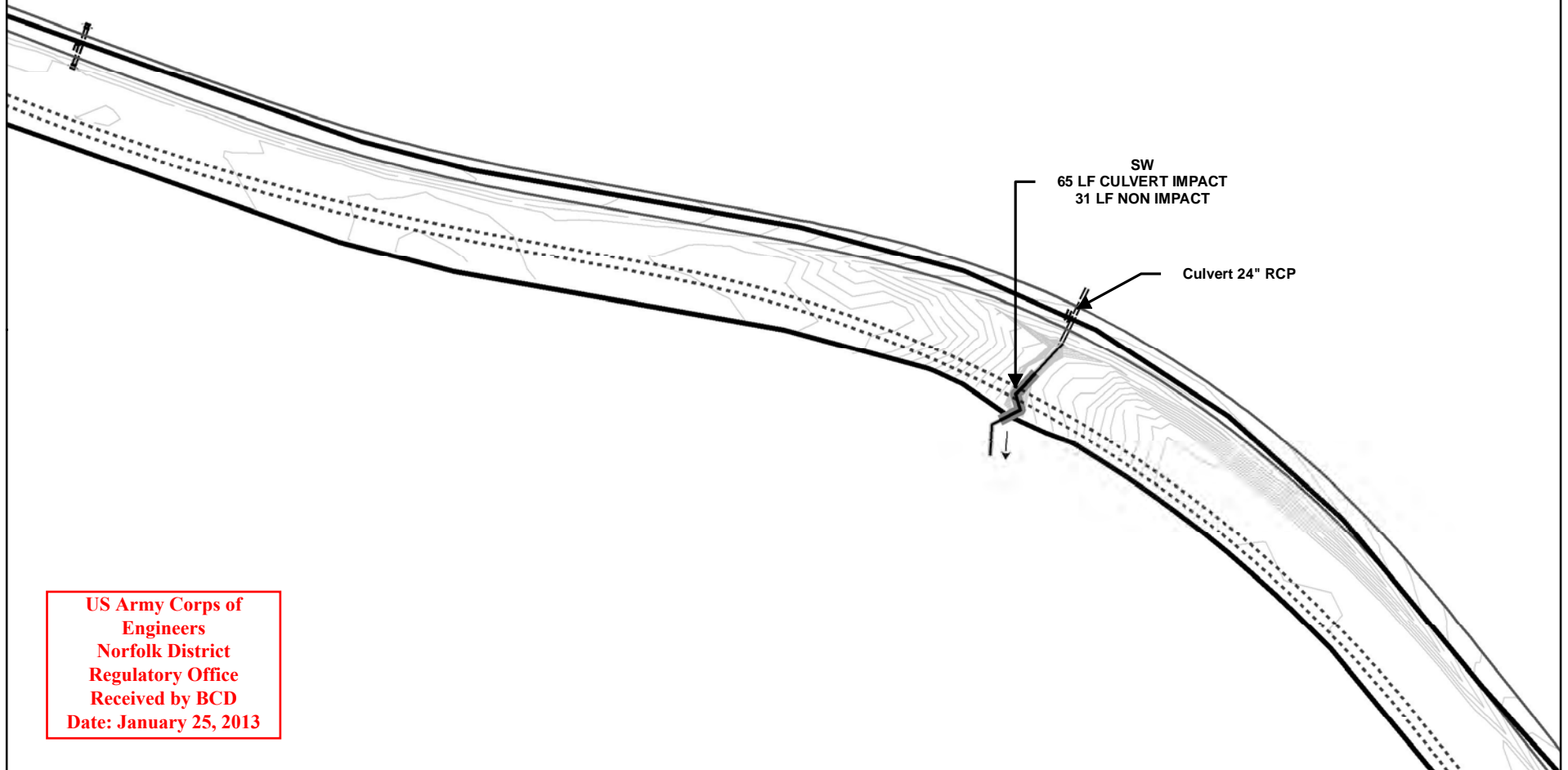
Project: Capital Trail - New Market Heights
HENRICO AND CHARLES CITY COUNTY, VIRGINIA

Title: PERMIT DRAWINGS

Drawn By: ATKINS	Scale: As Shown	SHEET 22
Job No. 100028555	Date: 1/16/2013	

RECEIVED

By Virginia Marine Resources Commission at 10:00 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

	Project Study Area		Stream Impact
	10-Foot Trail		Wetland Impact
	Stream		Flow Direction
	Wetland		Roads
	Open Water		Proposed Bridges
			Existing Culverts

Applicant:

HENDERSON
INCORPORATED 53
BEYOND THE BUILDING
www.hendersoninc.com

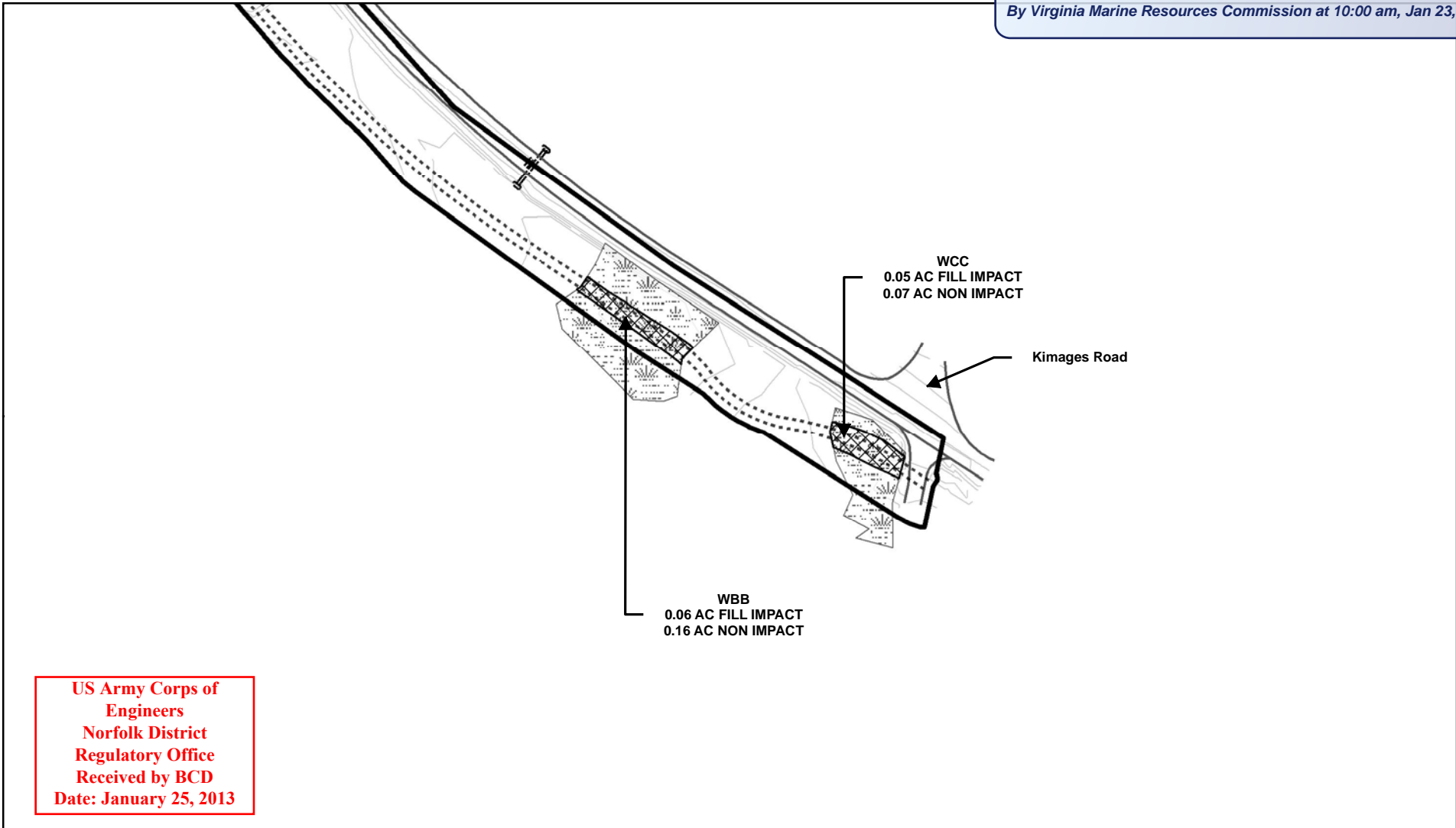
Revisions:

0 150 Feet

Project:			Capital Trail - New Market Heights HENRICO AND CHARLES CITY COUNTY, VIRGINIA		
Title:			PERMIT DRAWINGS		
Drawn By:	ATKINS	Scale:	As Shown	SHEET	
Job No.	100028555	Date:	1/16/2013	23	

RECEIVED

By Virginia Marine Resources Commission at 10:00 am, Jan 23, 2013



**US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013**

Project Study Area	Stream Impact
10-Foot Trail	Wetland Impact
Stream	Flow Direction
Wetland	Roads
Open Water	Proposed Bridges
	Existing Culverts

Applicant:

HENDERSON
INCORPORATED 53
BEYOND THE BUILDING
www.hendersoninc.com

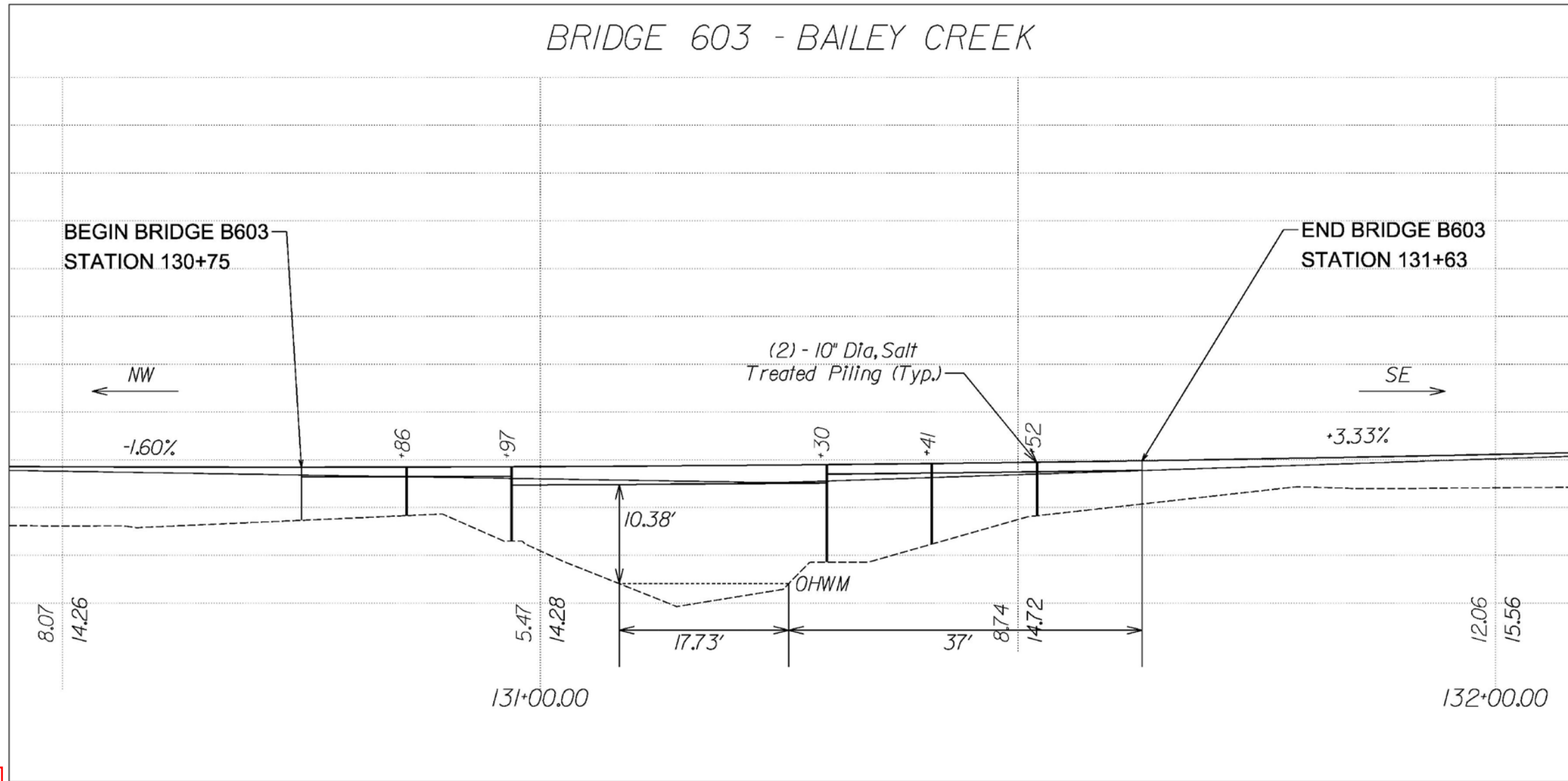
Revisions:

0 150 Feet

Project: Capital Trail - New Market Heights HENRICO AND CHARLES CITY COUNTY, VIRGINIA		
Title: PERMIT DRAWINGS		
Drawn By: ATKINS	Scale: As Shown	SHEET 24
Job No. 100028555	Date: 1/16/2013	

RECEIVED

By Virginia Marine Resources Commission at 10:00 am, Jan 23, 2013



US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013

ATKINS

HENDERSON
INCORPORATED
BEYOND THE BUILDING
www.hendersoninc.com

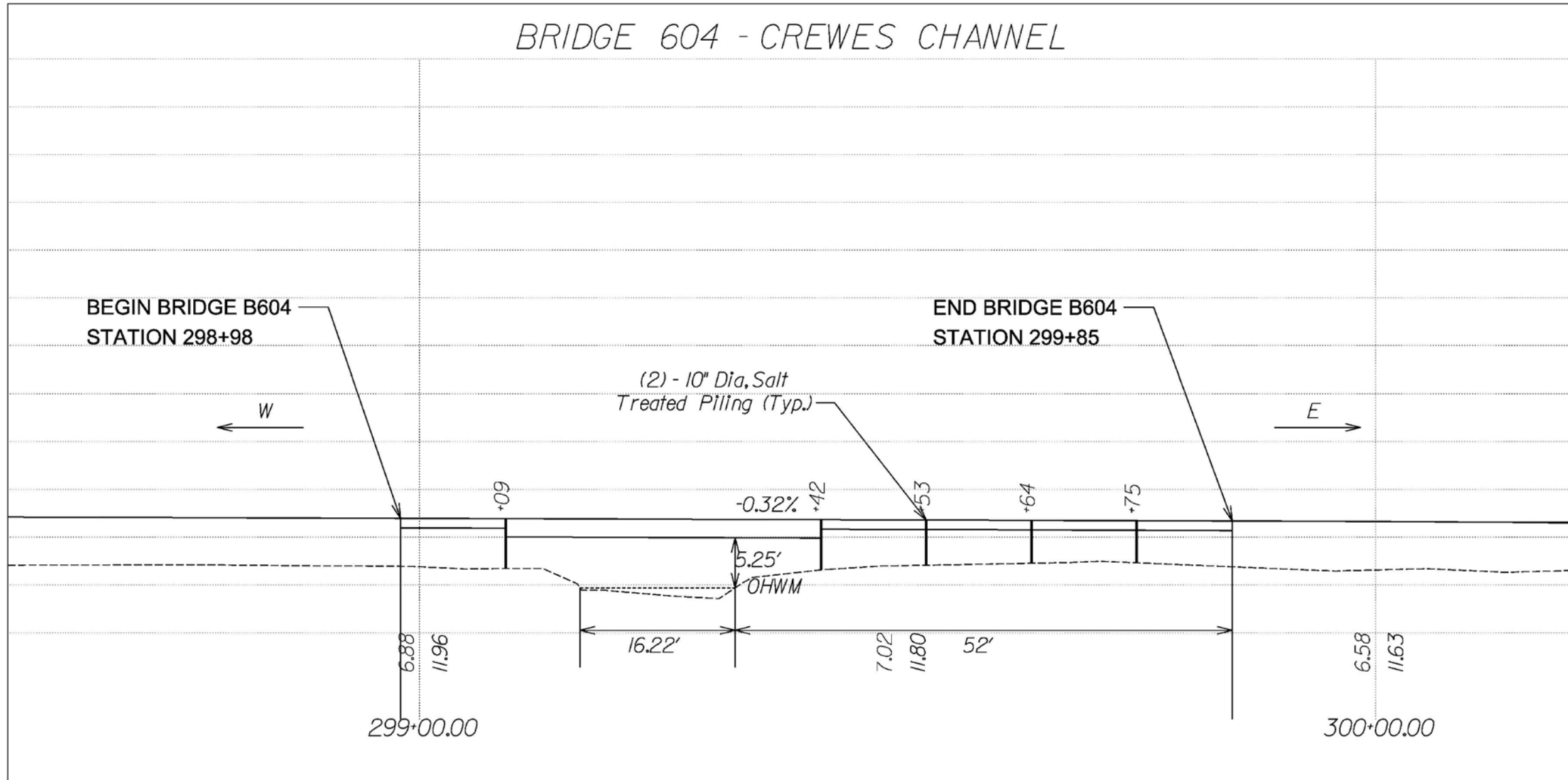
Capital Trail - Newmarket Phase
Charles City and Henrico Counties, Virginia

FIGURE:

**Bridge 603: Bailey Creek
Cross-Section**

RECEIVED

By Virginia Marine Resources Commission at 10:00 am, Jan 23, 2013



US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013

ATKINS

HENDERSON
INCORPORATED
BEYOND THE BUILDING
www.hendersoninc.com

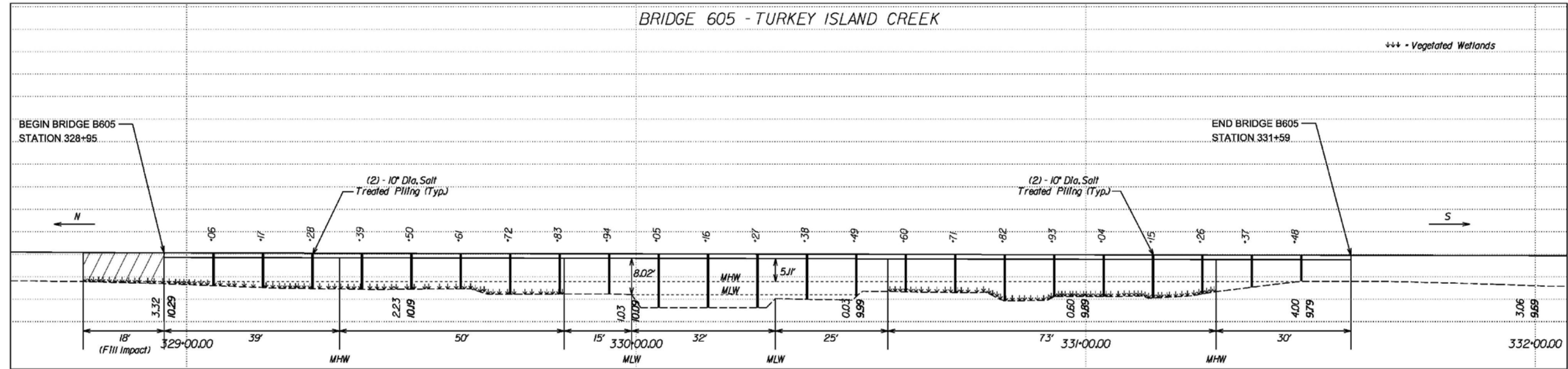
Capital Trail - Newmarket Phase
Charles City and Henrico Counties, Virginia

FIGURE:

**Bridge 604: Crewes Channel
Cross-Section**

RECEIVED

By Virginia Marine Resources Commission at 10:00 am, Jan 23, 2013



US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013

ATKINS

HENDERSON
INCORPORATED
BEYOND THE BUILDING
www.hendersoninc.com

Capital Trail - Newmarket Phase

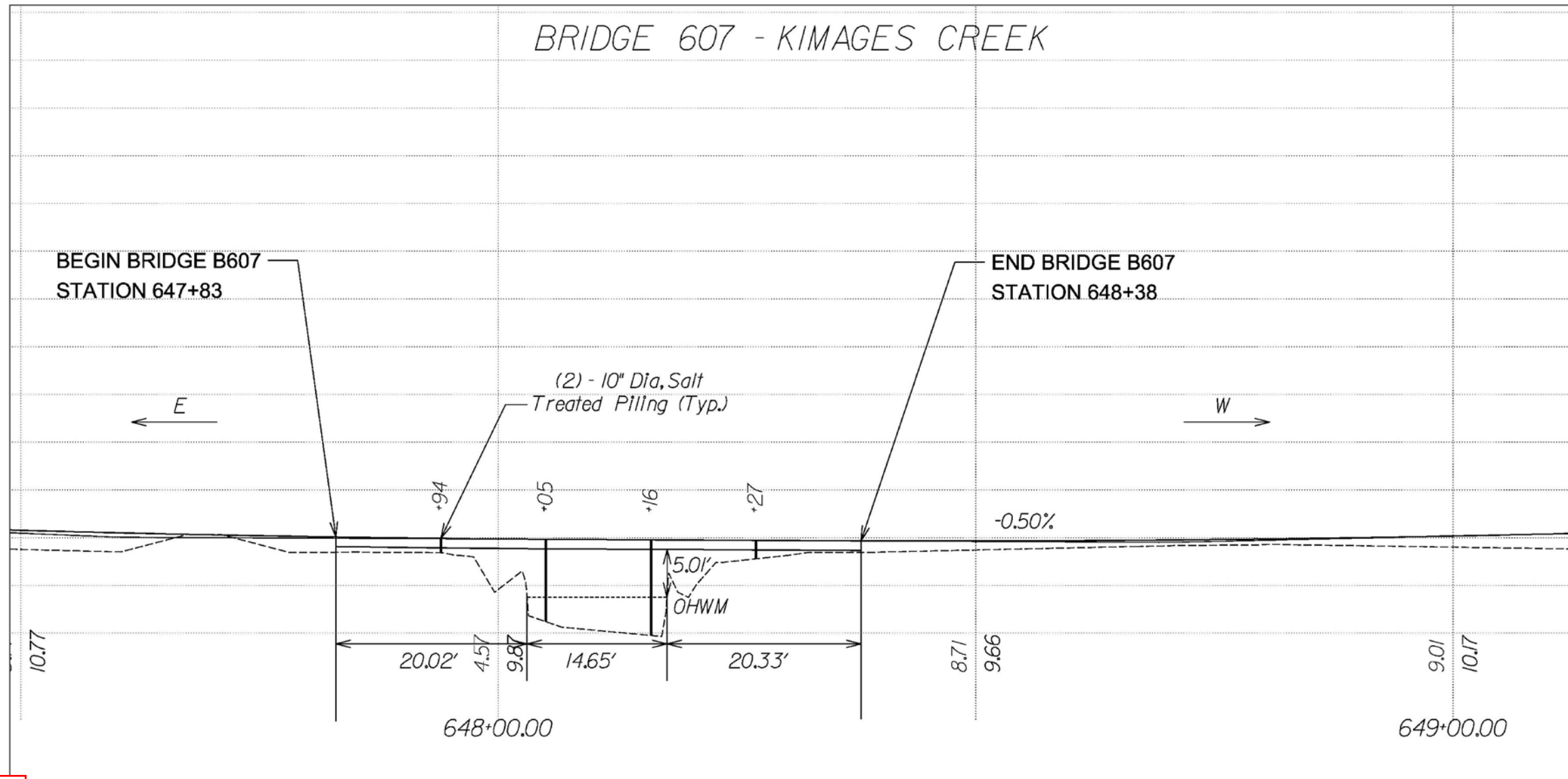
Charles City and Henrico Counties, Virginia

FIGURE:

**Bridge 605:
Turkey Island Creek
Cross-Section**

RECEIVED

By Virginia Marine Resources Commission at 10:00 am, Jan 23, 2013



US Army Corps of
Engineers
Norfolk District
Regulatory Office
Received by BCD
Date: January 25, 2013

ATKINS

HENDERSON
INCORPORATED
BEYOND THE BUILDING
www.hendersoninc.com

Capital Trail - Newmarket Phase
Charles City and Henrico Counties, Virginia

FIGURE:

**Bridge 607: Kimages Creek
Cross-Section**