



Maryland

Department of the Environment

Wes Moore, Governor
Aruna Miller, Lt. Governor

Serena McIlwain, Secretary
Suzanne E. Dorsey, Deputy Secretary
Adam Ortiz, Deputy Secretary

July 15, 2025

Wicomico County Department of Recreation, Parks and Tourism
C/o Ken Eaton
Davis, Bowen & Friedel Inc
106 N Washington St, Ste 103
Easton, MD 21601

Via email: keaton@dbfinc.com

Re: Agency Interest Number: 171019
Tracking Number: 202160459
Tidal Authorization Number: 25-WQC-0007

Dear Wicomico County Department of Recreation, Parks and Tourism:

Your project did not qualify for approval under the Maryland State Programmatic General Permit (MDSPGP); therefore a separate review and issuance of the federal permit will be required by the U.S. Army Corps of Engineers. The federal permit is not attached.

Additionally, your project required a Wetlands License to be approved and issued by the Maryland Board of Public Works (BPW). The Wetlands License will be sent to you by BPW's Wetlands Administrator.

A project that does not qualify for approval under the MDSPGP requires an individual Water Quality Certification (WQC) to be issued by the Maryland Department of the Environment, which is attached. Please take a moment to read and review your WQC to ensure that you understand the limits of the authorized work and all of the general and special conditions.

You should not begin any work until you have obtained all necessary State, local, and federal authorizations. Please contact Mary Phipps-Dickerson at mary.phipps-dickerson@maryland.gov or (443) 509-0797 with any questions.

Sincerely,

Jonathan Stewart
Acting Division Chief
Tidal Wetlands Division



STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER AND SCIENCE ADMINISTRATION
WATER QUALITY CERTIFICATION



25-WQC-0007

EFFECTIVE DATE: **July 15, 2025**
CERTIFICATION HOLDER: **Wicomico County Dept of Recreation, Parks
and Tourism**
ADDRESS: **Attn: Steve Miller**
500 Glen Ave
Salisbury, MD 21804
PROJECT LOCATION: **4701 Whitehaven Rd**
Salisbury, MD 21801

UNDER AUTHORITY OF SECTION 401 OF THE FEDERAL WATER POLLUTION CONTROL ACT AND ITS AMENDMENTS AND IN ACCORDANCE WITH § 9-313 THROUGH § 9-323, INCLUSIVE, OF THE ENVIRONMENT ARTICLE, ANNOTATED CODE OF MARYLAND, THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER AND SCIENCE ADMINISTRATION HAS DETERMINED THAT THE REGULATED ACTIVITIES DESCRIBED IN THE REQUEST FOR CERTIFICATION FOR THE PROPOSED WICOMICO COUNTY PIRATE'S WHARF PARK, PHASE 1/BOAT RAMP, REVETMENT, PIER AND AS DESCRIBED IN THE ATTACHED PLAN SHEETS DATED MARCH 28, 2025 AND ANY SUBSEQUENT MODIFICATIONS APPROVED BY THE DEPARTMENT WILL NOT VIOLATE MARYLAND'S WATER QUALITY STANDARDS, IF CONDUCTED IN ACCORDANCE WITH THE CONDITIONS OF THIS CERTIFICATION.

THIS CERTIFICATION DOES NOT RELIEVE THE APPLICANT OF RESPONSIBILITY FOR OBTAINING ANY OTHER APPROVALS, LICENSES, OR PERMITS IN ACCORDANCE WITH FEDERAL, STATE, OR LOCAL REQUIREMENTS AND DOES NOT AUTHORIZE COMMENCEMENT OF THE PROPOSED PROJECT. A COPY OF THIS REQUIRED CERTIFICATION HAS BEEN SENT TO THE CORPS OF ENGINEERS. THE CERTIFICATION HOLDER SHALL COMPLY WITH THE CONDITIONS LISTED BELOW.

PROJECT DESCRIPTION

1. Construct a 99-foot long by 29-foot wide concrete boat ramp with an 85-foot long northern wingwall with a 14-foot long by 4-foot wide jetty and a 98.5-foot long southern wingwall, an 11-foot long by 9-foot wide concrete boarding pier with a 51-foot long by 8-foot wide floating pier and a batter pile all within a maximum of 72 feet channelward of the mean high water line;
2. Install 94.8 linear feet of armor stone within a maximum of 10 feet channelward of the mean high water line;
3. Construct a 55-foot long by 22.5-foot wide jetty all within a maximum of 59 feet channelward of the mean high water line;
4. Construct a 154.4 foot long by 11.6-foot wide pier with an 11.6-foot long by 62-foot wide platform all within a maximum of 146 feet channelward of the mean high water line.

5. Construct a 10,730 square foot tidal wetlands area for mitigation on an existing farm field and connecting it to existing adjacent tidal wetlands by grading to adjacent wetland elevations and planting 10,510 square feet of emergent tidal wetlands and 220 square feet of scrub-shrub.

GENERAL CONDITIONS

1. All water quality-related performance standards and conditions required by the Department in any state issued authorization for activities in tidal wetlands, nontidal wetlands, their 100-year floodplains, nontidal wetlands buffers, or nontidal wetland expanded buffers to ensure that any discharges will not result in a failure to comply with water quality standards in COMAR 26.08.02 or any other water quality requirements of state law or regulation shall be met.
2. This Certification does not obviate the need to obtain required authorizations or approvals from other State, federal or local agencies as required by law.
3. All additional authorizations or approvals, including self-certifying General Permits issued by the Department, shall be obtained and all conditions shall be completed in compliance with such authorizations.
4. The proposed project shall be constructed in accordance with the approved final plan by the Department, or, if Department approval is not required, the plan approved by the U.S. Army Corps of Engineers, and its approved revisions.
5. Activities which result in earth disturbance subject to the requirements in Annotated Code of Maryland, Environment Article, Title 4 and COMAR 26.17.01 shall have an erosion and sediment control plan approved by the appropriate approval authority, including following the stabilization requirements set forth in COMAR 26.17.01.07 and “2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control”, as may be amended.
6. All fill and construction materials not used in the project shall be removed and disposed of in a manner which will prevent their entry into waters of this State.
7. This Certification does not authorize any injury to private property, any invasion of rights, or any infringement of federal, state, or local laws or regulations.
8. Authorized representatives of the Department shall be provided access to the site of authorized activities during normal business hours to conduct inspections and evaluations of the operations and records necessary to assure compliance with this Certification.
9. No stockpiles of any material shall be placed in Waters of the U.S. or state or private tidal wetlands.
10. Temporary construction trailers or structures, staging areas and stockpiles shall not be located within tidal wetlands, nontidal wetlands, nontidal wetlands buffers, or the 100-year floodplain unless specifically included on the Approved Plan.
11. This Certification is valid for the project identified herein and the associated U.S. Army Corps of Engineers authorization NAB-2021-60459 (WI Rec & Parks/Pirate’s Wharf Park – Phase I/Boat Ramp, Revetment, Pier) until such time that it expires or is not administratively extended.

SPECIAL CONDITIONS

1. The Certificate Holder shall not perform any construction of the boat ramp and associated wing walls, jetties and stone sill from February 15th through June 15th of any year to protect spawning yellow perch.
2. The Certificate Holder shall comply with all Critical Area requirements and obtain all necessary authorizations from local jurisdiction. This Water Quality Certification does not constitute authorization for disturbance in the 100-foot Critical Area Buffer. "Disturbance" in the Buffer means clearing, grading, construction activities, or removal of any size of tree or vegetation. Any anticipated Buffer disturbance requires prior written approval, before commencement of land disturbing activity, from local jurisdiction in the form of a Buffer Management Plan.
3. If the authorized work is not performed by the property owner or is not otherwise exempt from the licensing requirement, all work performed under this Tidal Wetlands Permit shall be conducted by a marine contractor licensed by the Marine Contractors Licensing Board (MCLB) in accordance with Title 17 of the Environment Article of Annotated Code of Maryland and COMAR 26.30. The licensed marine contractor shall be authorized for the appropriate license category to perform or solicit to perform the activities within this authorization, if applicable. A list of licensed marine contractors and their license category may be obtained by contacting the MCLB at 410-537- 3249, by e-mail at MDE.MCLB@maryland.gov, or by accessing the Maryland Department of the Environment, Environmental Boards webpage at <https://mde.maryland.gov/programs/water/WetlandsandWaterways/Pages/LicensedMarineContractors.aspx>.
4. The issuance of this Water Quality Certification is not a validation or authorization by the Department for any of the existing structures depicted on the plan sheets on the subject property that is not part of the authorized work description, nor does it relieve the Certificate Holder of the obligation to resolve any existing noncompliant structures and activities within tidal wetlands.
5. The Certificate Holder, to reduce any potential adverse effects to aquatic resources, shall construct and maintain a cofferdam or similar containment structure around and channelward of the boat ramp area prior to any excavation and backfilling along the shoreline through completion of any excavation and backfilling along the shoreline and concrete work. The Certificate Holder shall remove the cofferdam at the completion of construction.
6. The Certificate Holder shall design and construct the armor stone to prevent the loss of fill material to waters of the State of Maryland.
7. The Certificate Holder shall have all work proposed above the mean high water line reviewed and authorized by Wicomico County Department of Planning & Zoning.

8. The Certificate Holder shall maintain the mitigation site and monitor for 5 years subsequent to the completion of construction. The Certificate Holder shall submit a monitoring report to the Tidal Wetlands Division verifying that the wetland construction has been successful no later than December 31 of each year for the required 5 years of monitoring. A project shall be considered successful if there is a survival rate of 85% of the native plants in forested and scrub/shrub wetlands and if plants cover 85% of the surface area for emergent wetlands. If these standards are not met, the Certificate Holder shall determine the reason(s) for failure, correct the problem(s), and replant the project.
9. The Certificate Holder shall construct the mitigation area in accordance with the following conditions:
 - A. The Certificate Holder shall use clean substrate fill material, no more than 10% of which shall pass through a standard number 100 sieve.
 - B. The marsh establishment area shall be planted within one year following completion of the filling operation.
 - C. The marsh establishment project shall be maintained as a wetland, with non-nuisance species' aerial coverage of at least 85% in perpetuity. If 85% coverage is not attained, the reasons for failure shall be determined, corrective measures shall be taken, and the area shall be replanted.
 - D. If the fill is graded hydraulically, the Certificate Holder shall use a turbidity curtain around the perimeter of the instream work.
 1. If the existing bank is to be cleared or graded: The Certificate Holder shall perform all work under and in accordance with an approved Soil Erosion and Sediment Control Plan from the applicable sediment and erosion control agency; and
 2. The Certificate Holder shall perform all work under and in accordance with the Critical Area requirements of the local jurisdiction in the form of an approved Buffer Management Plan.

STATEMENTS OF NECESSITY

1. Statement of Necessity for General Conditions 1, 2, 3, & 4, and Special Conditions 2, 4, 5, 6, & 9: These conditions are necessary to ensure that water quality standards are met, and designated uses are maintained.

Citations: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.10G(3); COMAR 26.23.02.06; COMAR 26.17.01; COMAR 26.23; COMAR 26.24

2. Statement of Necessity for General Conditions 5, 6, 9, 10 and Special Conditions 6, 8, & 9: Fill or construction material within or adjacent to regulated resources may cause discharges resulting in turbidity in excess of water quality standards and interfere with designated uses of growth and propagation of fish, other aquatic life, wildlife; and other designated uses; and fail to meet general water quality criteria that waters not be polluted by substances in amounts sufficient to be unsightly or create a nuisance.

Citation: 26.08.02.03B(1)-B(2); COMAR 26.23; COMAR 26.24; COMAR 26.17.04

3. Statement of Necessity for General Condition 7, and Special Condition 7: This condition is necessary to clarify the scope of this certification to ensure compliance with water quality regulations, without limiting restrictions through other requirements.

Citation: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08, COMAR 26.08.02.10E; COMAR 26.23.02.06; COMAR 26.17.04; COMAR 26.23; COMAR 26.24

4. Statement of Necessity for General Condition 8: Conditions of certification involve precise actions to comply with water quality standards. Site inspection may be necessary to ensure that limits, methods, and other requirements are met to ensure that water quality standards are met and designated uses are maintained. These conditions are necessary to ensure that the activity was conducted, and project completed according to terms of the authorization/certification, while allowing for review of in-field modifications which may have resulted in discharges to ensure that water quality standards were met. Designated uses include support of estuarine and marine aquatic life and shellfish harvesting and for growth and propagation of fish, other aquatic life, and wildlife.

Citation: Federal and state laws that authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.08.02.03B(1)(b); COMAR 26.08.02.03B(2); COMAR 26.23.02.06; COMAR 26.23; COMAR 26.24; COMAR 26.17.04

5. Statement of Necessity for General Condition 9: Unauthorized discharges may enter regulated waters as result of activity or structural failure. A plan to address inadvertent discharges will prevent or address further violations of water quality standards and failure of water to meet designated uses, including uses of growth and propagation of fish, other aquatic life, wildlife; and other designated uses; and fail to meet general water quality criteria that waters not be polluted by substances in amounts sufficient to be unsightly or create a nuisance.

Citation COMAR 26.08.02.02B(1)d; COMAR 26.08.02.02B(3); COMAR 26.08.02.03B(1) and B(2); 26.08.02.01B(2); 26.08.02.02B(1)

6. Statement of Necessity for General Condition 11: This condition is necessary to qualify the period of applicability of the terms and conditions of this Certification to be protective of Maryland water quality standards.

Citations: Federal and state laws which authorize this condition include but are not limited to: 33 U.S.C. § 1341(a), (b), & (d); 33 U.S.C. § 1251(b); 33 U.S.C. § 1370; 40 C.F.R. 121, 15 C.F.R. 930, Md. Ann. Code, Env. Article, Title 1, Subtitles 3 and 4; Md. Ann. Code, Env. Article, Title 5, Subtitles 5 and 9; Md. Ann. Code, Env. Article, Title 9, Subtitle 3; Md. Ann. Code, Env. Article, Title 16; COMAR 26.08; COMAR 26.17.04; COMAR 26.23; COMAR 26.24

7. Statement of Necessity for Special Condition 1: A time of year restriction is necessary to maintain the designated use for support of estuarine and marine aquatic life and shellfish harvesting.

Citation: Federal and state laws which authorize this condition include but are not limited to: COMAR: 26.08.02.02B(1)(d); 26.08.02.02B(3); COMAR 26.08.02.02-16.

8. Statement of Necessity for Special Condition 3: Expertise for conducting certain activities is required to ensure that there is no violation of water quality standards nor interference with designated uses. This condition is necessary to ensure that discharges will be conducted in a manner which does not violate water quality criteria nor interfere with designated uses.

Citation: COMAR 26.08.02.02B(2)- B(4); COMAR 26.08 02.03B(2)(d) – (e); COMAR 26.08.02.03B(1)(b); 26.08.02.03B(2); COMAR 23.02.04.04

9. Statement of Necessity Special Condition 8 & 9: Stabilization of the site with vegetation is required to ensure that waters continue to meet designated uses. Loss of substrate fill material may result in discharges which reduce water quality and interfere with designated uses, including the support of estuarine and marine aquatic life, and the protection of shellfish harvesting, shallow water submerged aquatic vegetation, and migratory fish spawning and nurseries in tidal wetlands. Loss limits will maintain the designated use.

Citation: COMAR 26.08.02.02.B.(3); COMAR 26.08.02.03-3.C.(2)d.(5); COMAR 26.08.02.03.A(1)(b); COMAR 26.08.02.03.B(1-5); COMAR 26.08.02.10E(2)

CERTIFICATION APPROVED

Matthew C. Rowe

[Matthew C. Rowe \(Jul 28, 2025 09:14:29 EDT\)](#)

D. Lee Currey, Director
Water and Science Administration

Jul 28, 2025

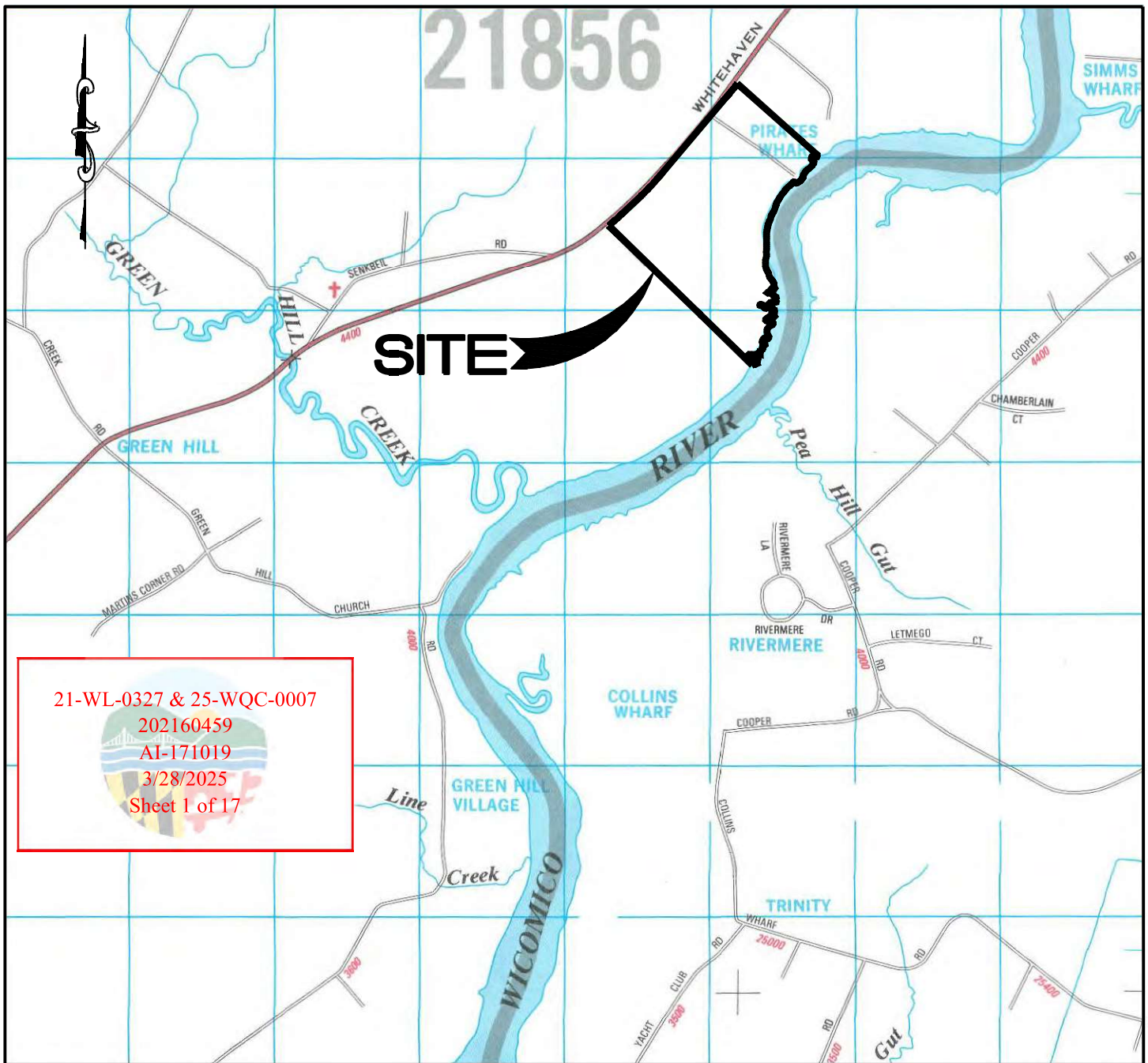
Date

Tracking Number: 202160459
Agency Interest Number: 171019

Effective Date:

Enclosure: Plan Sheets dated March 28, 2025

cc: WSA Inspection & Compliance Program
Army Corps of Engineers



Vicinity Map

SCALE : 1" = 2000'



Copyright ADC The Map People
Permitted Use No. BJE0510

SHEET 1 OF 10

Pirates Wharf Park **Proposed Boat Ramp, Stone** **Revetment, Stone Sill & Pier**

IN: WICOMICO RIVER
NEAR: CITY OF SALISBURY, MARYLAND
APPL. BY: WICOMICO COUNTY
DEPT. OF RECREATION, PARKS & TOURISM
ATTN: STEVE MILLER
500 GLEN AVENUE
SALISBURY, MD 21804

DATE: MARCH 2021

NOTES:

1. VERTICAL DATUM = MLW
2. THESE DRAWINGS ARE FOR PERMIT PURPOSES ONLY. DESIGN DRAWINGS ARE TO BE PROVIDED SEPARATELY.

DAVIS, BOWEN & FRIEDEL, INC. ARCHITECTS ENGINEERS SURVEYORS

SALISBURY, MARYLAND (410) 543-9091
MILFORD, DELAWARE (302) 424-1441
EASTON, MARYLAND (410) 770-4744

Adjacent Property Owner:
HENRY LAY PHILLIPS III
ELIZABETH NICHOLE PHILLIPS
4801 WHITEHAVEN ROAD
QUANTICO, MD 21856
TAX MAP 45, PARCEL 32

21-WL-0327 & 25-WQC-0007
202160459
AI-171019
3/28/2025
Sheet 2 of 17

100' TIDAL
WETLAND BUFFER

100 YEAR
FLOOD PLAIN

WICOMICO COUNTY
TAX MAP 55, PARCEL 128

25' NON-TIDAL
WETLAND BUFFER

NON-TIDAL
WETLAND

TIDAL
WETLAND

Adjacent Property Owner:
LAP LIMITED PARTNERSHIP
5065 WHITEHAVEN ROAD
QUANTICO, MD 21856
TAX MAP 55, PARCEL 55

SHEET 2 OF 10

Pirates Wharf Park Proposed Boat Ramp, Stone Revetment, Stone Sill & Pier

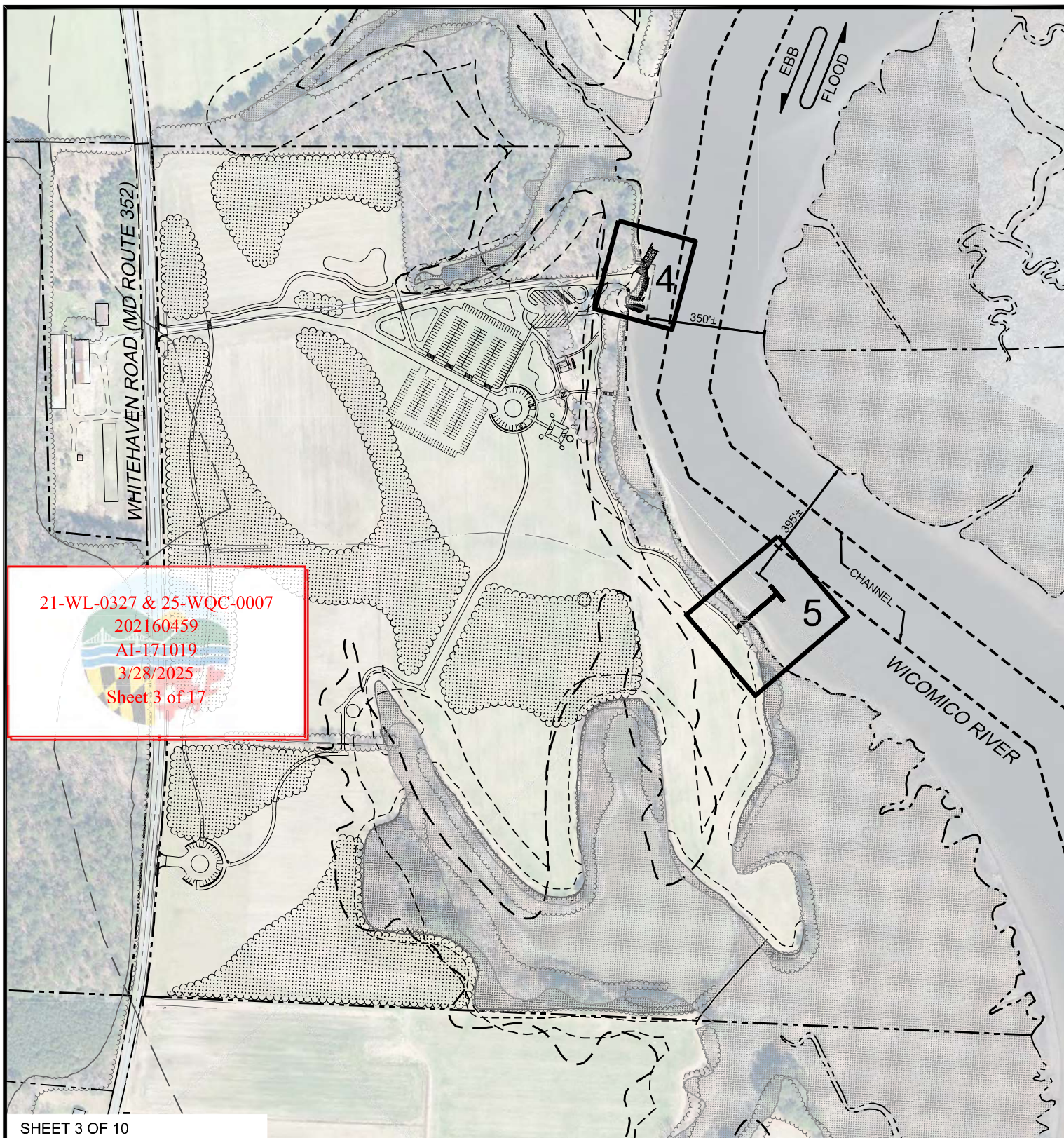
IN: WICOMICO RIVER
NEAR: CITY OF SALISBURY, MARYLAND
APPL. BY: WICOMICO COUNTY
DEPT. OF RECREATION, PARKS & TOURISM
ATTN: STEVE MILLER
500 GLEN AVENUE
SALISBURY, MD 21804
DATE: MARCH 2021

EXISTING CONDITIONS

0' 400'
Scale: 1" = 400'

NOTES:

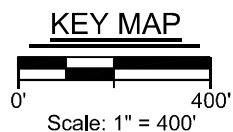
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2. THESE DRAWINGS ARE FOR PERMIT PURPOSES ONLY. DESIGN DRAWINGS ARE TO BE PROVIDED SEPARATELY.



SHEET 3 OF 10

Pirates Wharf Park **Proposed Boat Ramp, Stone** **Revetment, Stone Sill & Pier**

IN: WICOMICO RIVER
 NEAR: CITY OF SALISBURY, MARYLAND
 APPL. BY: WICOMICO COUNTY
 DEPT. OF RECREATION, PARKS & TOURISM
 ATTN: STEVE MILLER
 500 GLEN AVENUE
 SALISBURY, MD 21804
 DATE: MARCH 2021



NOTES:

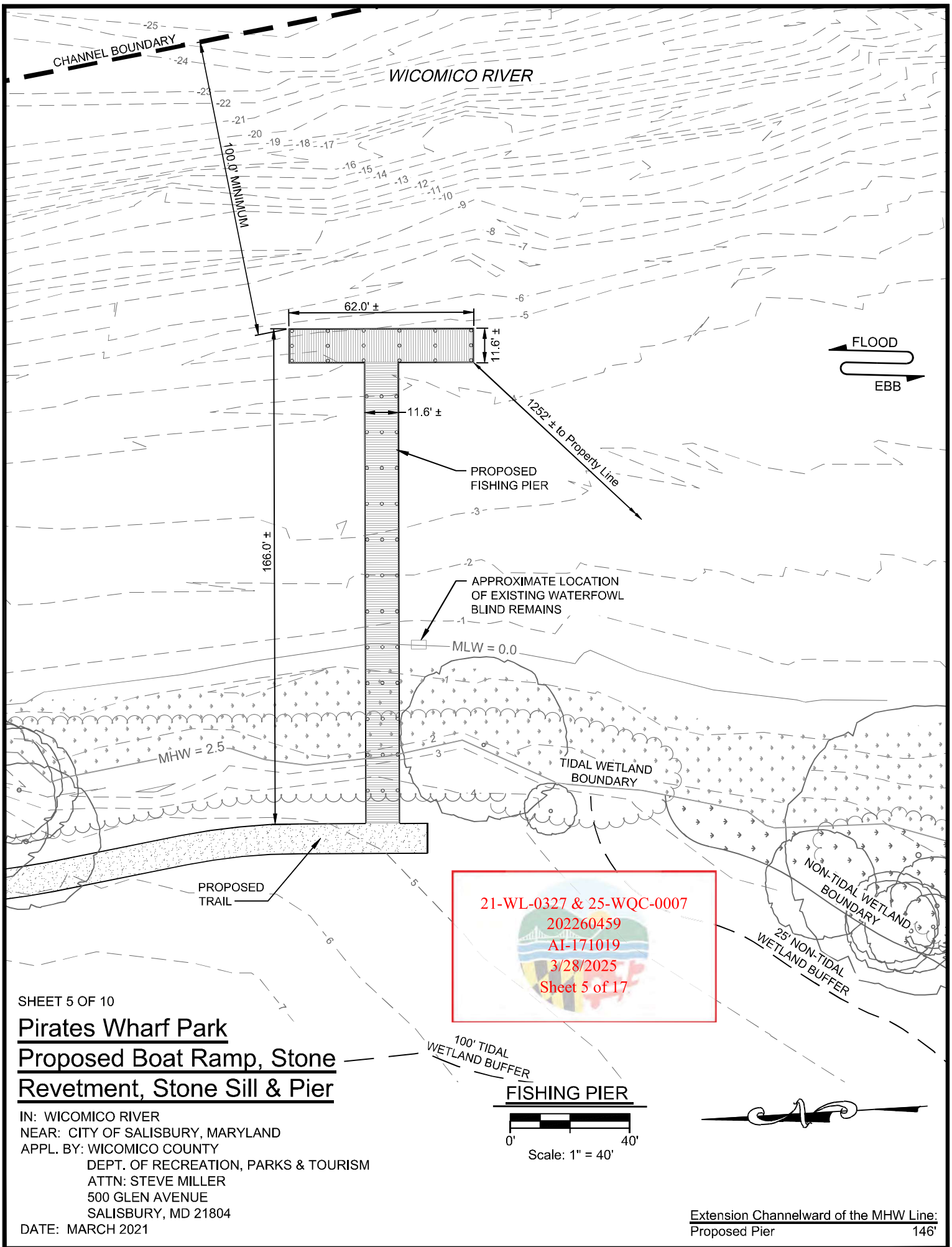
1. VERTICAL DATUM = MLW
2. THESE DRAWINGS ARE FOR PERMIT PURPOSES ONLY. DESIGN DRAWINGS ARE TO BE PROVIDED SEPARATELY.

Sheet 4 of 17



Pirates Wharf Park
Proposed Boat Ramp, Stone
Revetment, Stone Sill & Pier

Extension Channelward of the MHW Line:	
Former Wharf Remains	42'
Proposed Jetty	59'
Proposed Wingwall - South	72'
Proposed Stone Sill	10'
Proposed Stone Revetment	58'

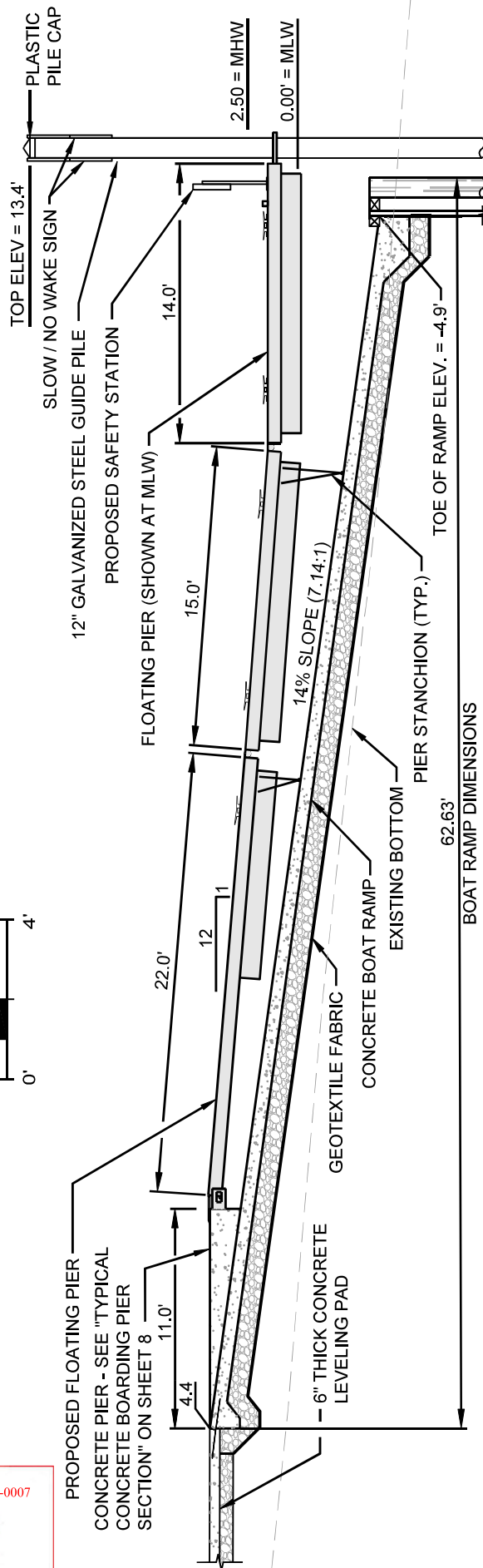
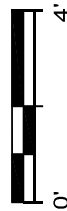


Pirates Wharf Park
Proposed Boat Ramp, Stone
Revetment, Stone Sill & Pier

21-WL-0327 & 25-WOC-0007

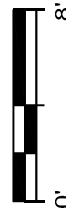
202160459
AI-171019
3/28/2025
Sheet 6 of 17

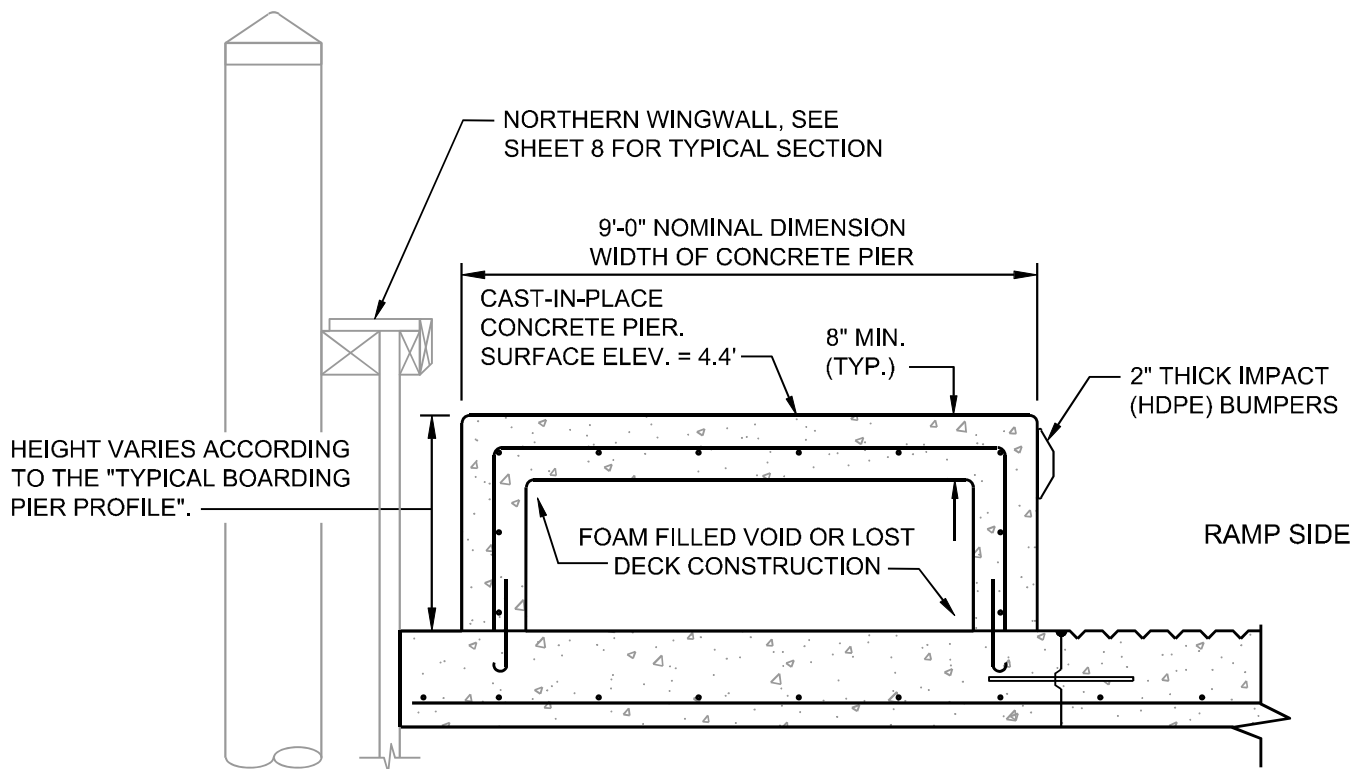
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TYPICAL BOAT RAMP/BOARDING PIER PROFILE

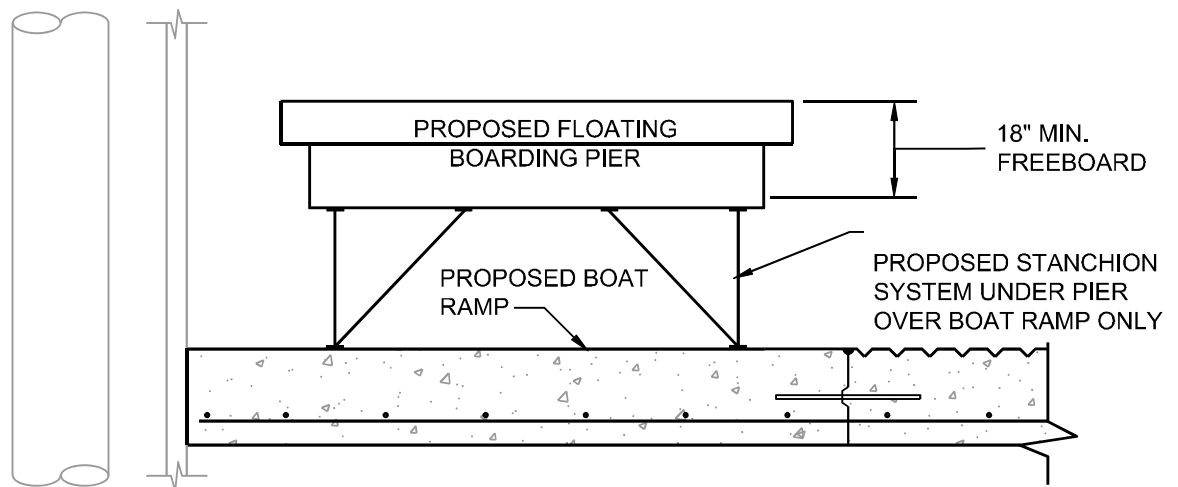
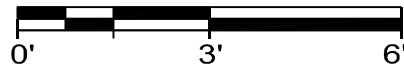
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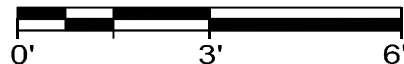
TYPICAL CONCRETE BOARDING PIER SECTION B

SCALE: 1"= 3'



TYPICAL FLOATING BOARDING PIER SECTION C

SCALE: 1"= 3'

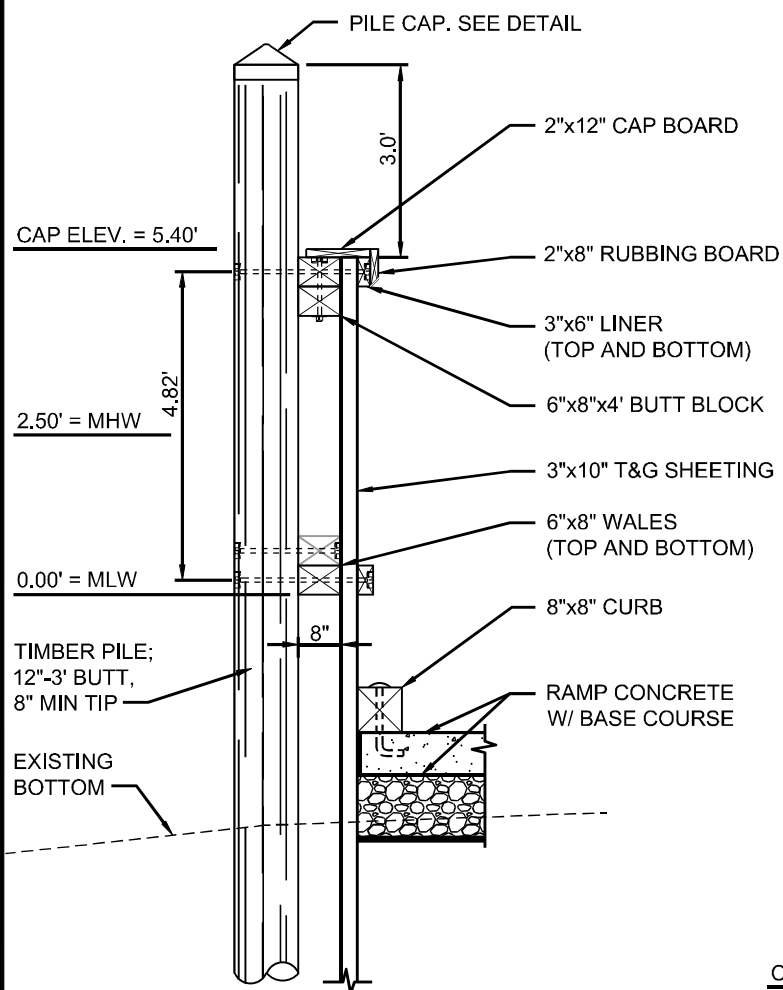


SHEET 7 OF 10

Pirates Wharf Park Proposed Boat Ramp, Stone Revetment, Stone Sill & Pier

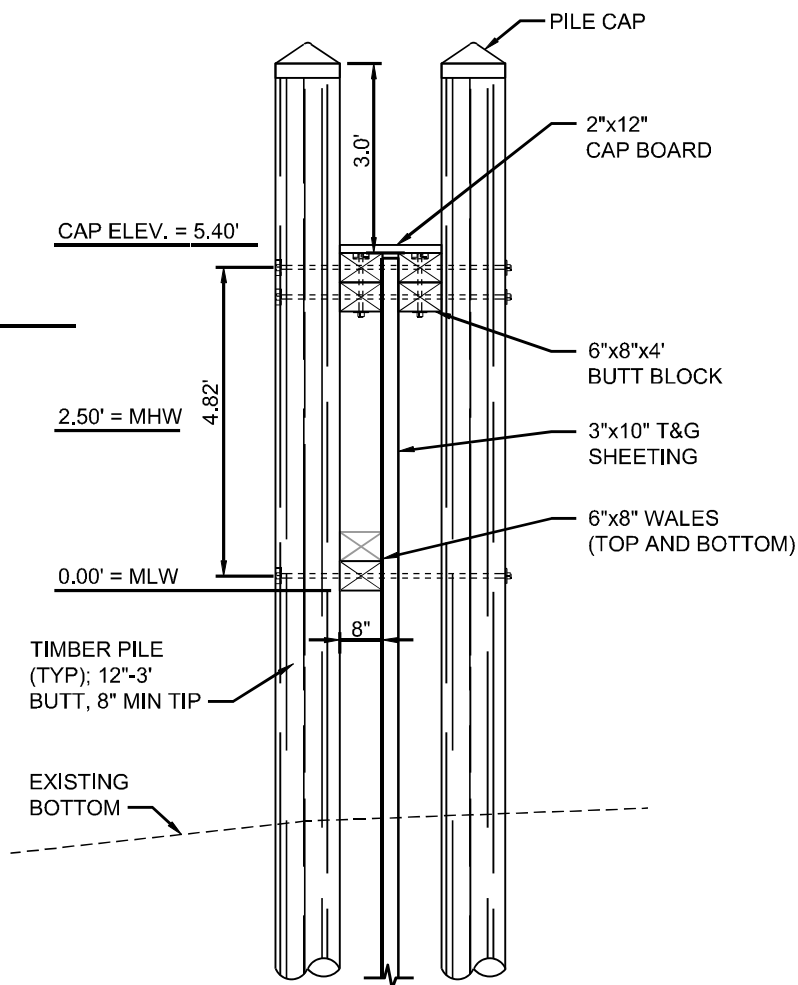
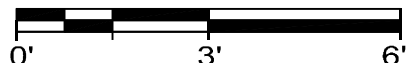
IN: WICOMICO RIVER
NEAR: CITY OF SALISBURY, MARYLAND
APPL. BY: WICOMICO COUNTY
DEPT. OF RECREATION, PARKS & TOURISM
ATTN: STEVE MILLER
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SALISBURY, MD 21804
DATE: MARCH 2021

21-WL-0327 & 25-WQC-0007
202160459
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3/28/2025
Sheet 7 of 17



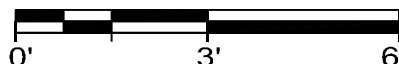
TYPICAL WINGWALL SECTION D

SCALE: 1"= 3'



TYPICAL JETTY SECTION E

SCALE: 1"= 3'

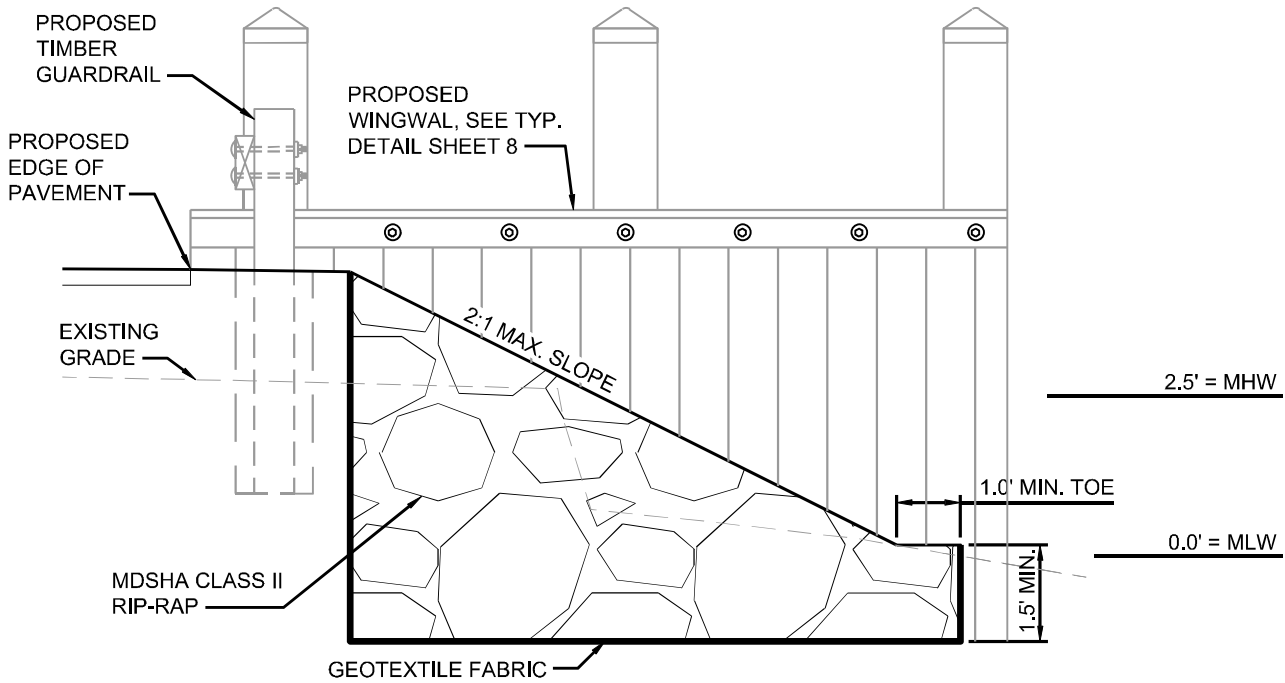


SHEET 8 OF 10

Pirates Wharf Park Proposed Boat Ramp, Stone Revetment, Stone Sill & Pier

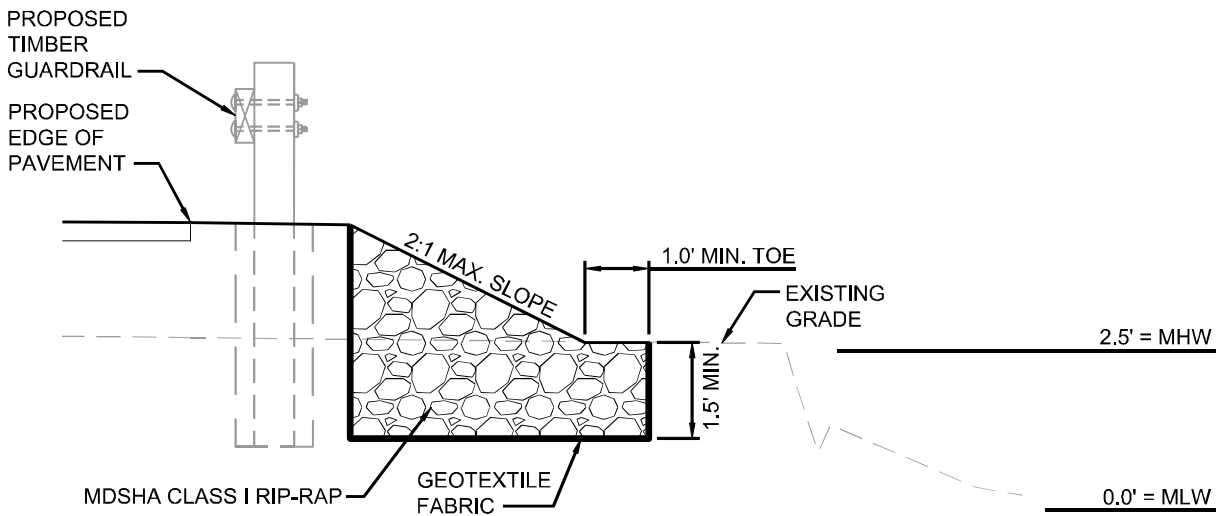
IN: WICOMICO RIVER
NEAR: CITY OF SALISBURY, MARYLAND
APPL. BY: WICOMICO COUNTY
DEPT. OF RECREATION, PARKS & TOURISM
ATTN: STEVE MILLER
500 GLEN AVENUE
SALISBURY, MD 21804

DATE: MARCH 2021



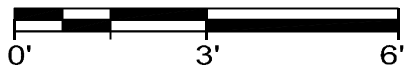
STONE SILL SECTION F

SCALE: 1" = 3'



STONE SILL SECTION G

SCALE: 1" = 3'



SHEET 9 OF 10

Pirates Wharf Park Proposed Boat Ramp, Stone Revetment, Stone Sill & Pier

IN: WICOMICO RIVER
NEAR: CITY OF SALISBURY, MARYLAND
APPL. BY: WICOMICO COUNTY
DEPT. OF RECREATION, PARKS & TOURISM
ATTN: STEVE MILLER
500 GLEN AVENUE
SALISBURY, MD 21804
DATE: MARCH 2021

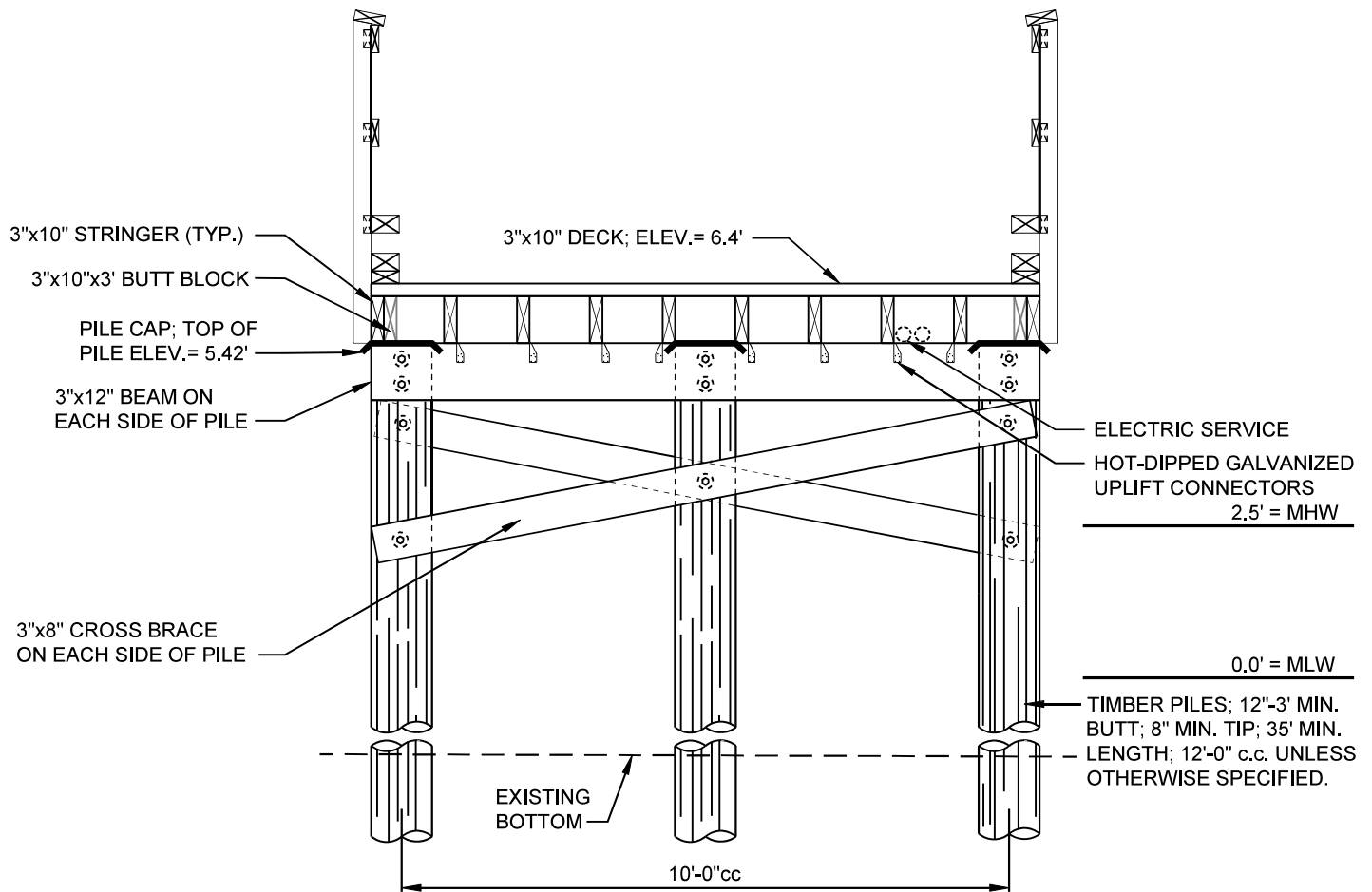
21-WL-0327 & 25-WQC-0007

202160459

AI-171019

3/28/2025

Sheet 9 of 17



TYPICAL PIER SECTION

SCALE: 1"= 3'



21-WL-0327 & 25-WQC-0007

202160459

AI-171019

3/28/2025

Sheet 10 of 17

SHEET 10 OF 10

Pirates Wharf Park Proposed Boat Ramp, Stone Revetment, Stone Sill & Pier

IN: WICOMICO RIVER

NEAR: CITY OF SALISBURY, MARYLAND

APPL. BY: WICOMICO COUNTY

DEPT. OF RECREATION, PARKS & TOURISM

ATTN: STEVE MILLER

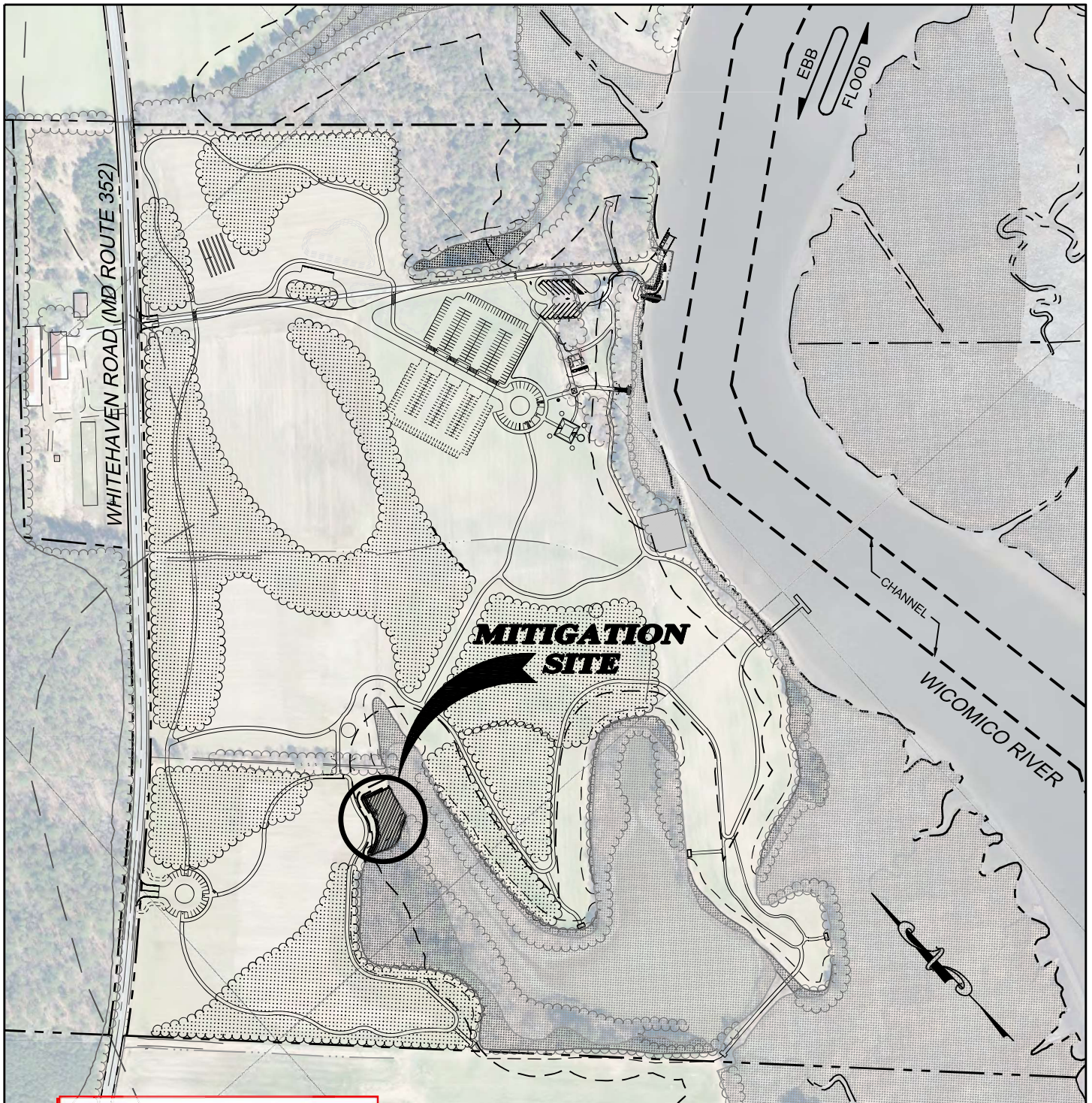
500 GLEN AVENUE

SALISBURY, MD 21804

DATE: MARCH 2021 REVISED: MAY 2021

WETLAND DISTURBANCES

ITEM	NON-TIDAL (SF)	TIDAL (SF)	NON-TIDAL 25' BUFFER (SF)
REVTMENT	23	865	54
JETTY	n/a	47	n/a
BOAT RAMP	60	2098	382
PIER	n/a	2245	n/a
LOT FILL	1410	n/a	1825
SILL	445	110	n/a
TOTALS	1938	5365	2261
TOTAL NON-TIDAL & TIDAL WETLAND DISTURBANCE		7303	



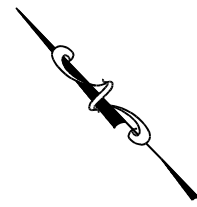
21-WL-0327 & 25-WQC-0007

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0' 400'
Scale: 1" = 400'



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MITIGATION LOCATION MAP

Pirates Wharf Park

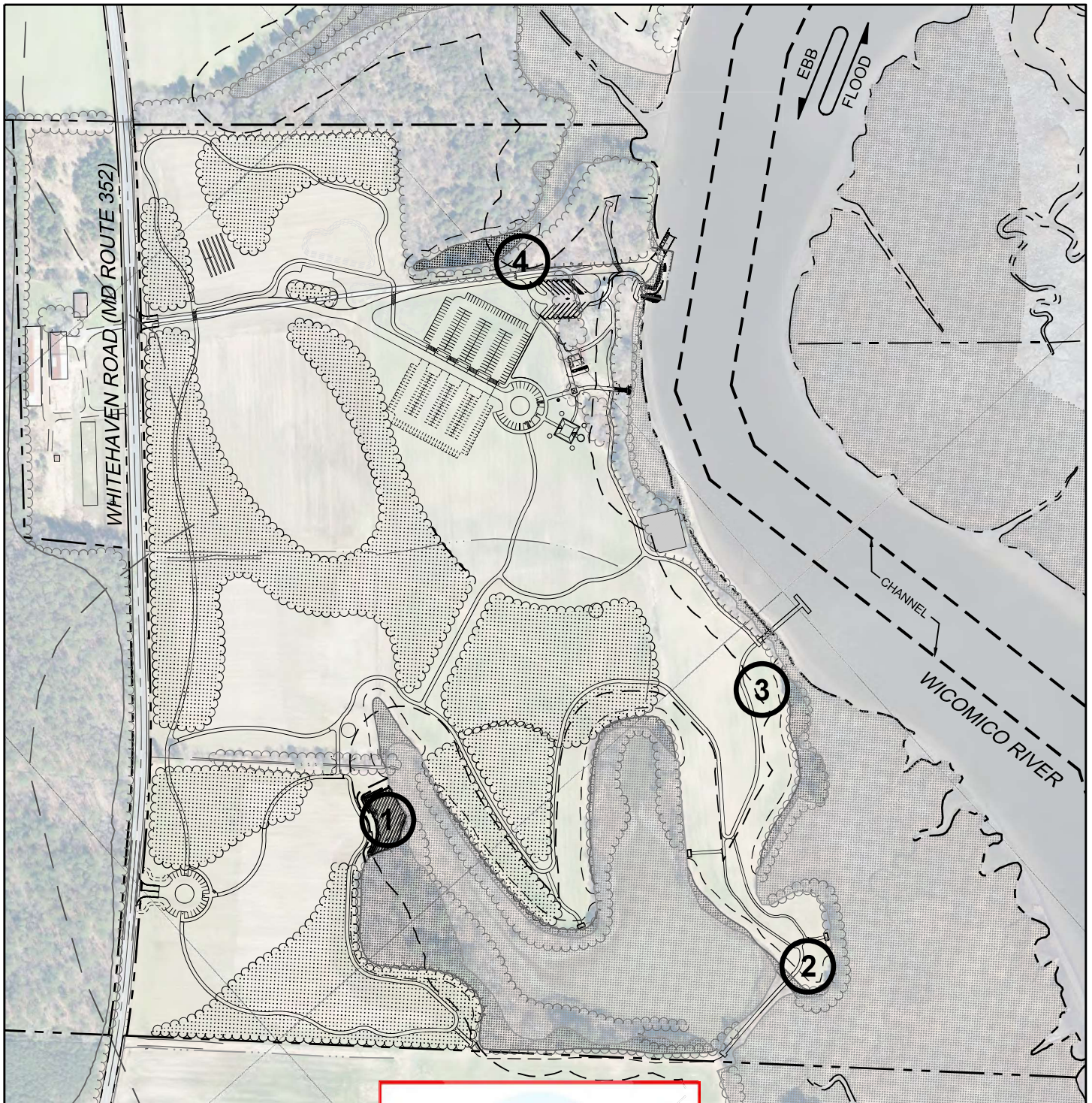
Wicomico County, Maryland

Date: NOV. 2023

Scale: 1" = 400'

Proj.No.: 166B011

SHEET 1 OF 7



LEGEND

① WETLAND MITIGATION
SITES CONSIDERED

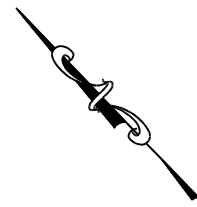
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0' 400'
Scale: 1" = 400'



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MITIGATION SITES CONSIDERED

Pirates Wharf Park

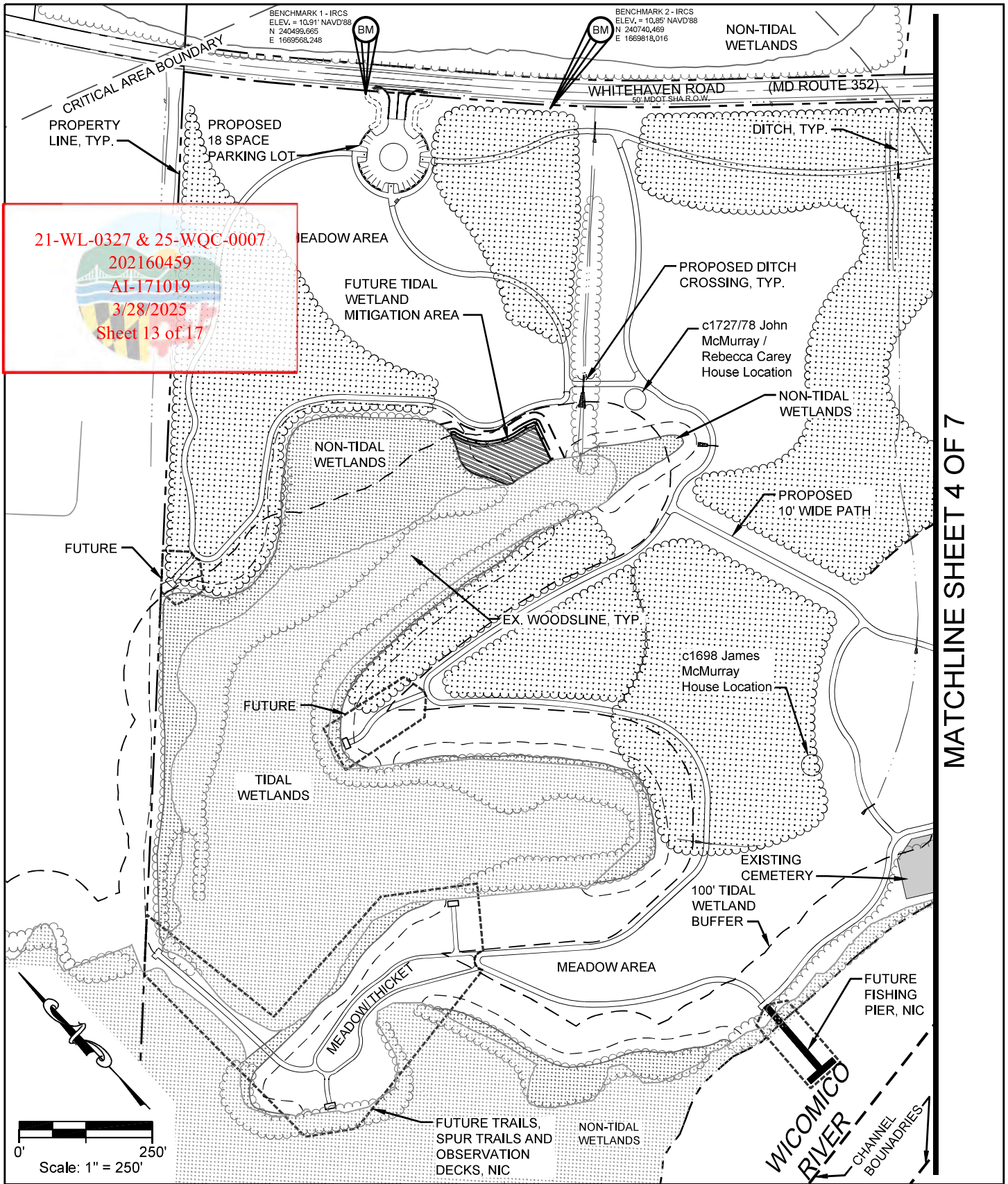
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OVERALL SITE PLAN

Pirates Wharf Park

Wicomico County, Maryland

Date: NOV. 2023

Scale: 1" = 250'

Proj.No.: 166B011

BENCHMARK 3 - IRCS
ELEV. = 12.52' NAVD'88
N 241631.557
E 1670602.721

WHITEHAVEN ROAD
50' MDOT SHA R.O.W.

(MD ROUTE 352)

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CRITICAL AREA BOUNDARY

PROPOSED SEWAGE
RESERVE AREA

PROPOSED DRIVE

PROPOSED

137 SPACE

PARKING LOT

PROPOSED 142
SPACE OVERFLOW
PARKING AREA

PROPOSED
10' WIDE PATH

PAVILION
LARGE
EVENT AREA

TOT LOT, NIC

NON-TIDAL
WETLANDS

FUTURE 15 SPACE
BOAT RAMP
PARKING LOT, NIC

TIDAL
WETLANDS

COMFORT
STATION

APPROXIMATE
SHORELINE

100' TIDAL
WETLAND
BUFFER

PROPOSED 10'x20'
OBSERVATION DECK

FUTURE ONE LANE
BOAT RAMP, NIC

CHANNEL BOUNDARIES

WICOMICO RIVER

EBB

FLOOD



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OVERALL SITE PLAN

Pirates Wharf Park

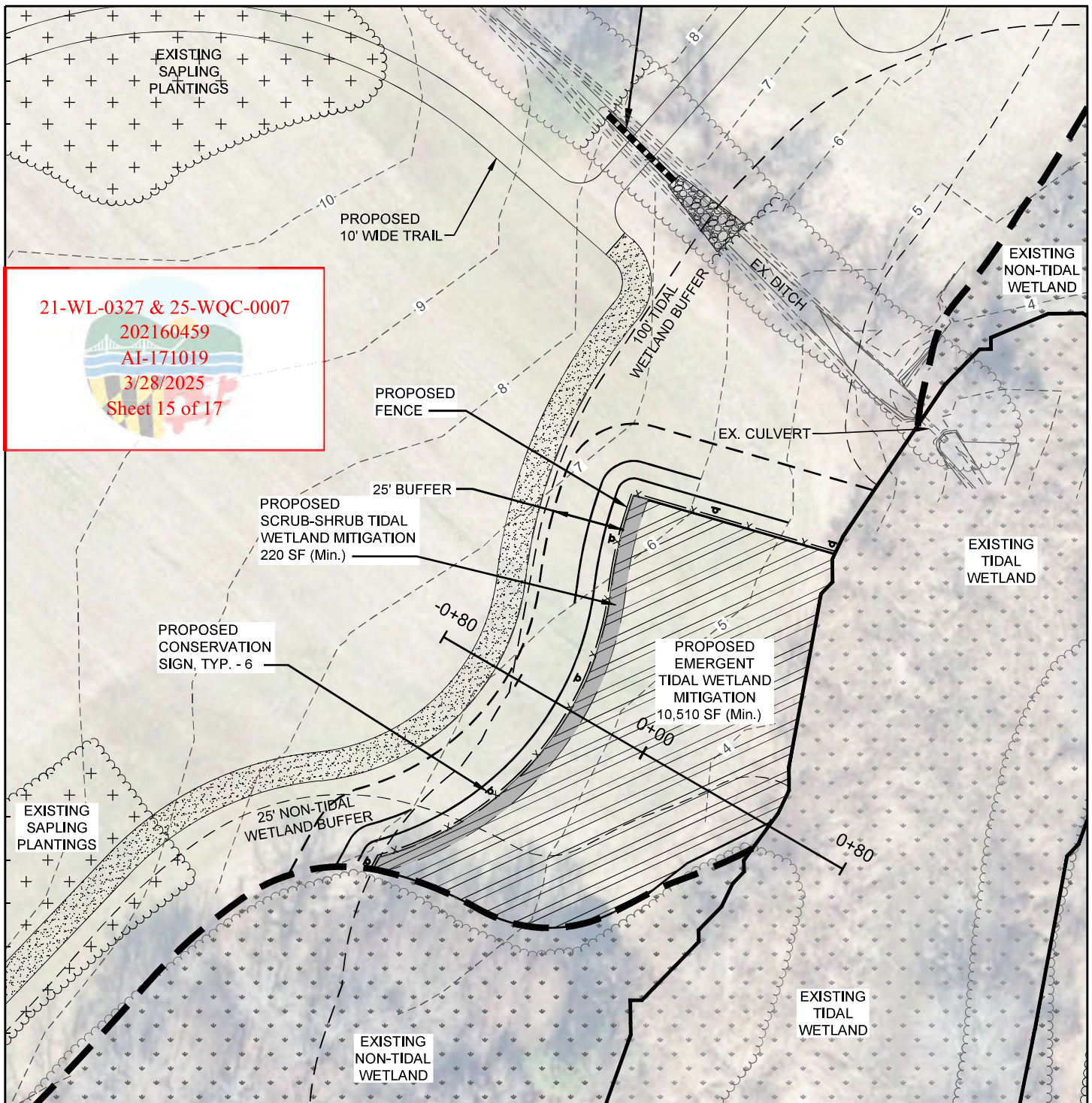
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Scale: 1" = 250'

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LEGEND



TIDAL WETLAND MITIGATION SITE

(NONTIDAL MITIGATION WILL BE ACCOMPLISHED OFF-SITE AT THE MAPLE DAM MITIGATION BANK)



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MITIGATION SITE PLAN

Pirates Wharf Park

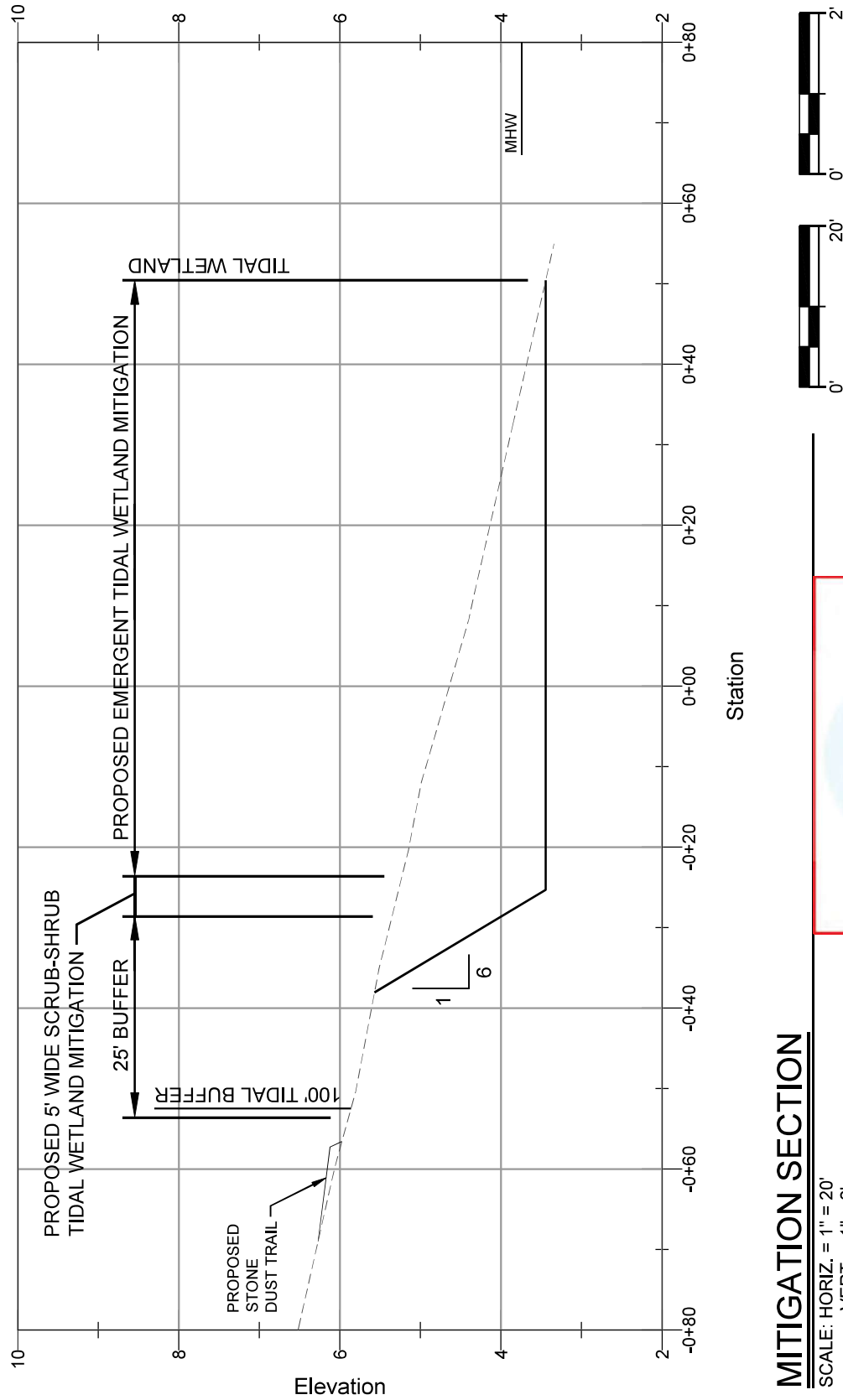
Wicomico County, Maryland

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Scale: 1" = 50'

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MITIGATION SECTION

SCALE: HORIZ. = 1" = 20'
VERT. = 1" = 2'

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MITIGATION SECTION

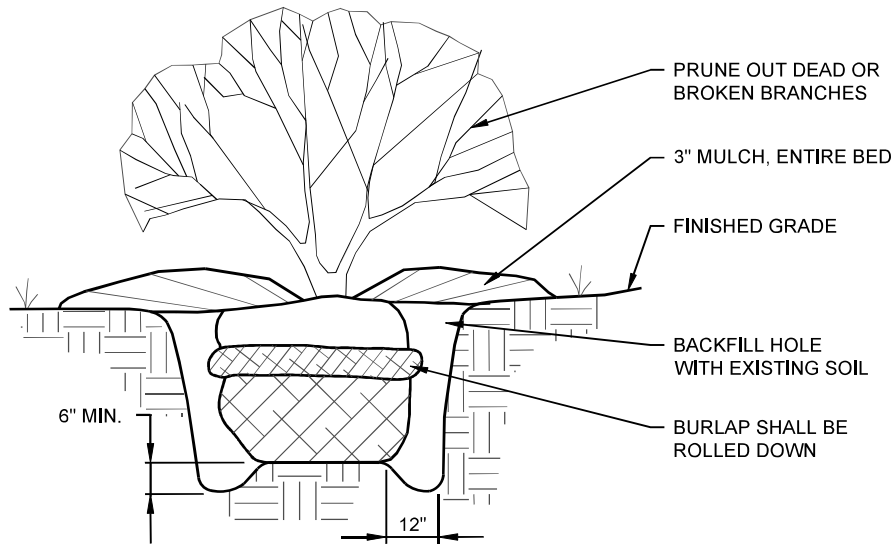
Pirates Wharf Park

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Scale: 1" = 50'

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SHRUB PLANTING DETAIL

NOT TO SCALE

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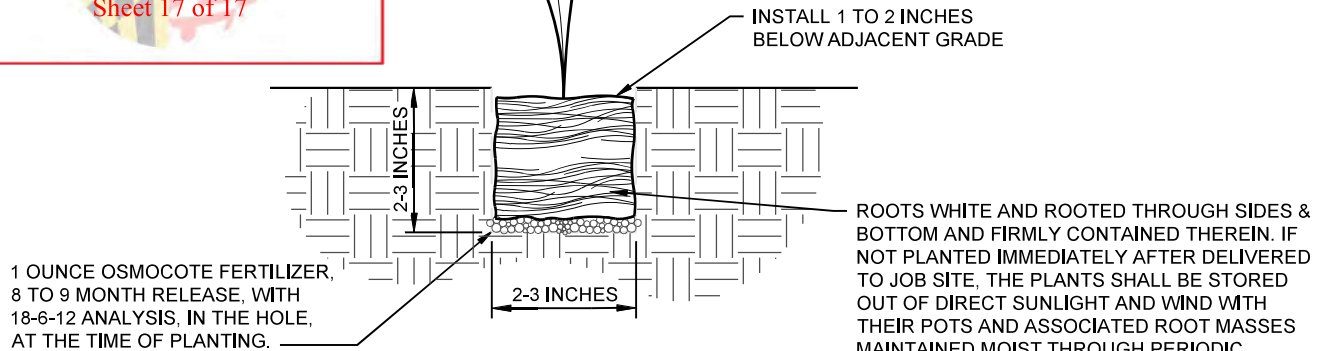
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AFTER INSTALLING PLUG STOCK, FIRM INTO PLACE WITH FOOT TAKING CARE NOT TO DEFORM PEAT POT.



2-INCH PLUG PLANTING DETAIL

NOT TO SCALE

PLUG MATERIAL ACCEPTANCE CRITERIA:

PROVIDE PLUG STOCK WITH HEALTHY ROOT SYSTEMS DEVELOPED BY TRANSPLANTING OR ROOT PRUNING. THE EXTRACTED ROOT SYSTEM SHALL CONFORM TO THE CONTAINER DIMENSIONS AND NOT TO BE POT BOUND. ROOTS SHALL BE WHITE IN COLOR, FIRM TO THE TOUCH, NOT HAVE "ROTTEN EGG" ODOR, BE FREE OF DISEASE, INSECTS, LARVAE AND DEFECTS SUCH AS KNOTS, SUN-SCALD, INJURIES, ABRASIONS OR DISFIGUREMENT. ANY STOCK NOT SATISFYING THE ABOVE CRITERIA SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

	Quantity	Size of Plants	Spacing	Planting Dates
Tidal Scrub Shrub				
Smooth alder (<i>Alnus serrulata</i>)	25	Shrubs: 3 Feet High / One Gallon	36 inches off center	Sept. 1st to June 15th
Groundsel tree (<i>Baccharis halimifolia</i>)				
Wax myrtle (<i>Myrica cerifera</i>)				
Tidal Emergent				
Saltmeadow hay (<i>Spartina patens</i>)	6960	2-inch Plugs	15 inches off center	Sept. 1st to June 15th
Pickerselweed (<i>Pontederia cordata</i>)				
Arrowhead (<i>Sagittaria latifolia</i>)				



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PLANTING DETAILS

Pirates Wharf Park

Wicomico County, Maryland

Date: NOV. 2023

Scale: NONE

Proj.No.: 166B011