



# Maryland

## Department of the Environment

**Wes Moore**, Governor  
**Aruna Miller**, Lt. Governor

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

November 3, 2025

Anne Arundel County Dept of Public Works  
c/o Ryan Drabick  
Bayland Consultants & Designers, Inc  
7455 New Ridge Road, Ste T  
Hanover, MD 21076

Via email: [rdrabick@baylandinc.com](mailto:rdrabick@baylandinc.com)

Re: Agency Interest Number: 159735  
Tracking Number: 202560200  
Tidal Authorization Number: 25-WQC-0027

Dear Anne Arundel County Dept of Public Works:

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.

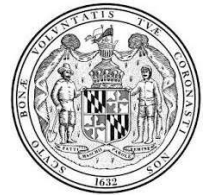
You should not begin any work until you have obtained all necessary State, local, and federal authorizations. Please contact Alaina Johnson at [Alaina.Johnson@maryland.gov](mailto:Alaina.Johnson@maryland.gov) or 410-537-4272 with any questions.

Sincerely,

Jonathan Stewart, Chief  
Tidal Wetlands Division



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



25-WQC-0027

EFFECTIVE DATE: **November 3, 2025**  
CERTIFICATION HOLDER: **Anne Arundel County Dept of Public Works**  
ADDRESS: **2662 Riva Road**  
**Annapolis, MD 21401**  
PROJECT LOCATION: **Broadwater Creek**  
**Churchton, MD 20751**

**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 Anne Arundel County Department of Public Works- Broadwater Creek Dredging AND AS DESCRIBED IN THE ATTACHED PLAN SHEETS DATED June 17, 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.

*The Maryland Department of the Environment satisfied the statutory and regulatory public notice requirements by placing the WQC on Public Notice from August 1, 2025 to August 30, 2025 on Maryland Department of the Environment's Public Notice webpage and advertising in the Capital Gazette on August 7, 2025.*

## **PROJECT DESCRIPTION**

1. Mechanically maintenance dredge three segments of the Broadwater Creek main channel:
  - a. Segment A - a 3,145-foot long by 40-foot wide channel to a depth of 4.5-feet at mean low water;
  - b. Segment B - a 1,900-foot long by 30-foot wide channel to a depth of 4.0-foot at mean low water;
  - c. Segment C - a 2,230-foot long by 30-foot wide channel to a depth of 4.0-foot at mean low water.
2. To deposit approximately 19,396 cubic yards of dredged material at one of the County approved upland dredged material disposal sites: South County DMP Site at Sudley Road, West River, MD 20778, or Idlewild DMP Site at Idlewild Road, Shady Side, MD 20764; and
3. Periodically maintenance dredge for six years.

## **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. 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.
6. 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.
7. The Certification Holder shall allow authorized representatives of the Department 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.
8. No stockpiles of any material shall be placed in Waters of the U.S. or state or private tidal wetlands.
9. 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.
10. This Certification is valid for the project identified herein and the associated U.S. Army Corps of Engineers authorization NAB-2025-60200 (Anne Arundel County Department of Public Works- Broadwater Creek Dredging), until such time that it expires or is not administratively extended.

## **SPECIAL CONDITIONS**

1. The Certificate Holder shall comply with all Critical Area requirements and obtain all necessary authorizations from local jurisdiction. This Certificate 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.

2. 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/LicensedMarineContractor.s.aspx>.
3. The issuance of this Certificate 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.
4. The Certificate Holder shall not perform any in water construction in the areas labeled "END OF 500 YARD OYSTER LIMIT" between December 16 through March 14, and June 1 through September 30, inclusive of any given year due to the presence of Natural Oyster Bar 8-6.
5. The Certificate Holder shall not perform any in water construction or work between April 15 and October 15 of any year due to the presence of Submerged Aquatic Vegetation (SAV).
6. The Certificate Holder shall not perform any in water construction or work between March 1 and June 15 of any year due to the presence of spawning anadromous and resident fish.
7. The Certificate Holder shall conduct subsequent maintenance dredging within the scope of this license in terms of authorized dredge area and authorized depths. The licensee shall:
  - a. Dredge no more than 500 cubic yards of material at each maintenance dredging.
  - b. Comply with all applicable conditions of this license.
  - c. Submit a detailed dredged material disposal plan to be approved by the Water and Science Administration, Tidal Wetlands Division prior to the start of dredging.
  - d. Notify and receive approval from the Water and Science Administration, Compliance Program a minimum of 10 days prior to the start of each maintenance dredging operation.
8. The Certificate Holder shall stake the dredge area and receive approval from the Water and Science Administration's Compliance Division prior to the start of dredging at (410) 537-3510.
9. The Certificate Holder shall conduct a post dredge bathymetric survey and forward to the Water and Science Administration, Tidal Wetlands Division within 45 days after the termination of any phase of dredging.
10. The Certificate Holder shall dispose of dredged material only at the dredge disposal site(s) approved by this Wetland License. The Licensee shall submit an application for modification of the License to MDE for approval of any dredge disposal site not authorized within this License.
11. If the Certificate Holder transports by trucks, the trucks need to be watertight and no dredged material shall be discharged onto the roadways of the State.

# **CITATIONS AND STATEMENTS OF NECESSITY**

1. Statement of Necessity for general Conditions 1, 2, 3, 4 and Special Conditions 1, 3: 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, 8, 9, and Special Condition 11: 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.

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

3. Statement of Necessity for General Conditions 6, 10: 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 7: 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

Citations: 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 10: 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

6. Statement of Necessity for Special Condition 2: 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

7. Statement of Necessity for Special Conditions 4, 5, 6: 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 Conditions 8, 9: The condition is necessary to ensure that the dredging results in water depths which are appropriate to support designated uses of fishing and water contact recreation and propagation of fish, other aquatic life and wildlife; and ensure that no discharges are unsightly, create a nuisance, change to an objectionable color or interferes with designated uses.

Citations: COMAR 26.08.02.01B(2); COMAR 26.08.02.02B(1); 26.08.02.02B(3); COMAR 26.08.02.03B

9. Statement of Necessity for Special Condition 7: The limits on the scope of maintenance dredging are necessary to ensure that no discharges would violate water quality standards and designated uses for water clarify, turbidity, growth and propagation of fish, other aquatic life, and wildlife; and water contact recreation.

Citations: COMAR 26.08.02.02B(1)(d); COMAR 26.08.02.02B(3); COMAR 26.08.02.03B

10. Statement of Necessity for Special Conditions 10, 11: 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)

**CERTIFICATION APPROVED**



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Heather L. Nelson, Program Manager  
Wetlands and Waterways Protection Program

Tracking Number: 202560200

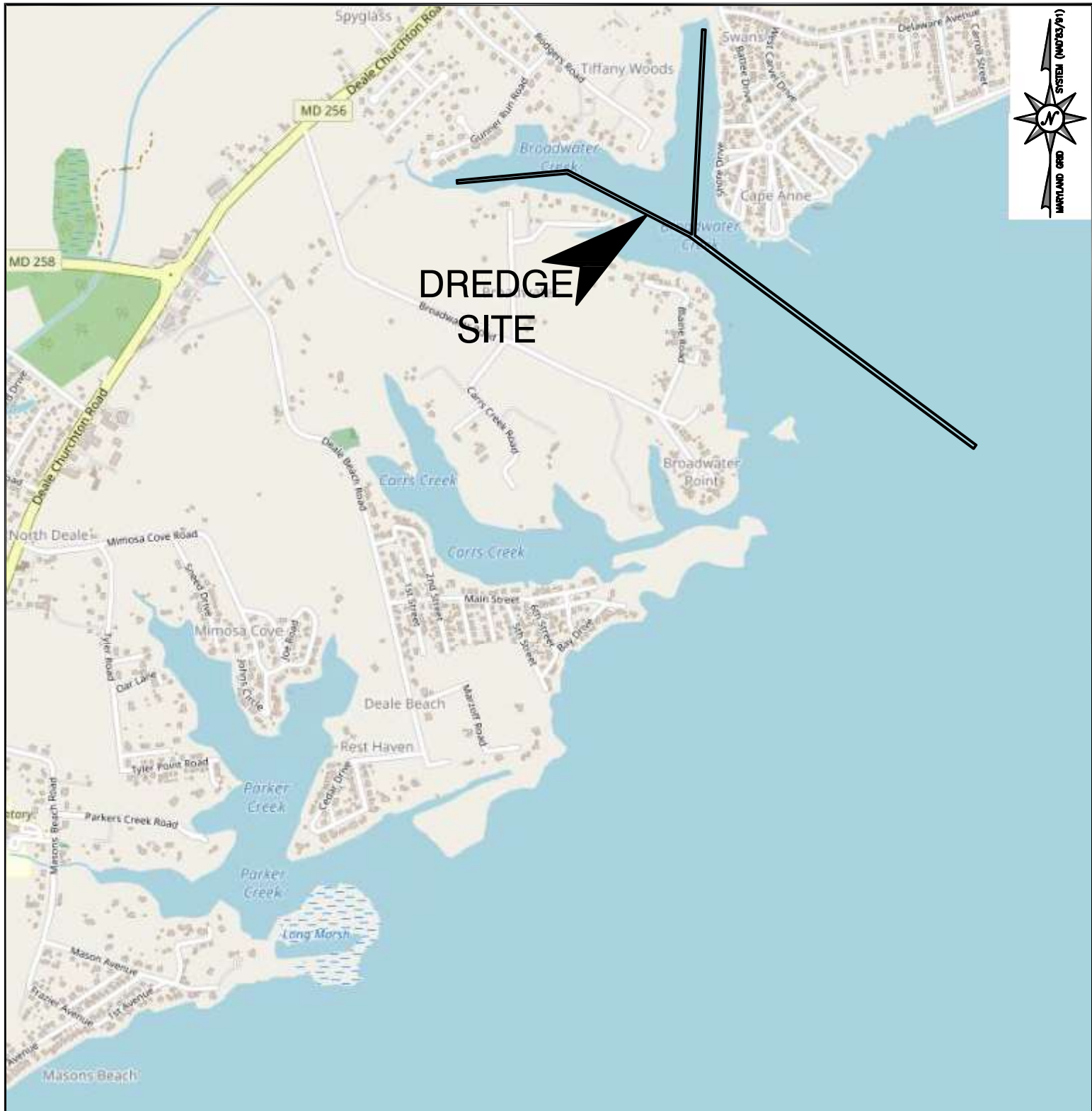
Agency Interest Number: 159735

Effective Date: **November 3, 2025**

Enclosure: Plan Sheets dated **June 17, 2025**

cc: WSA Inspection & Compliance Program  
Army Corps of Engineers



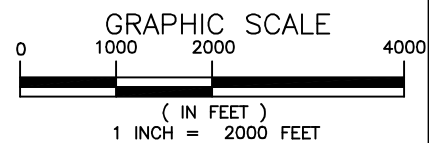


**BROADWATER CREEK  
MAINTENANCE DREDGING  
AT  
ANNE ARUNDEL  
COUNTY**

25-WL-0137 / 25-WQC-0027  
202560200  
159735  
6-17-2025  
ACJ

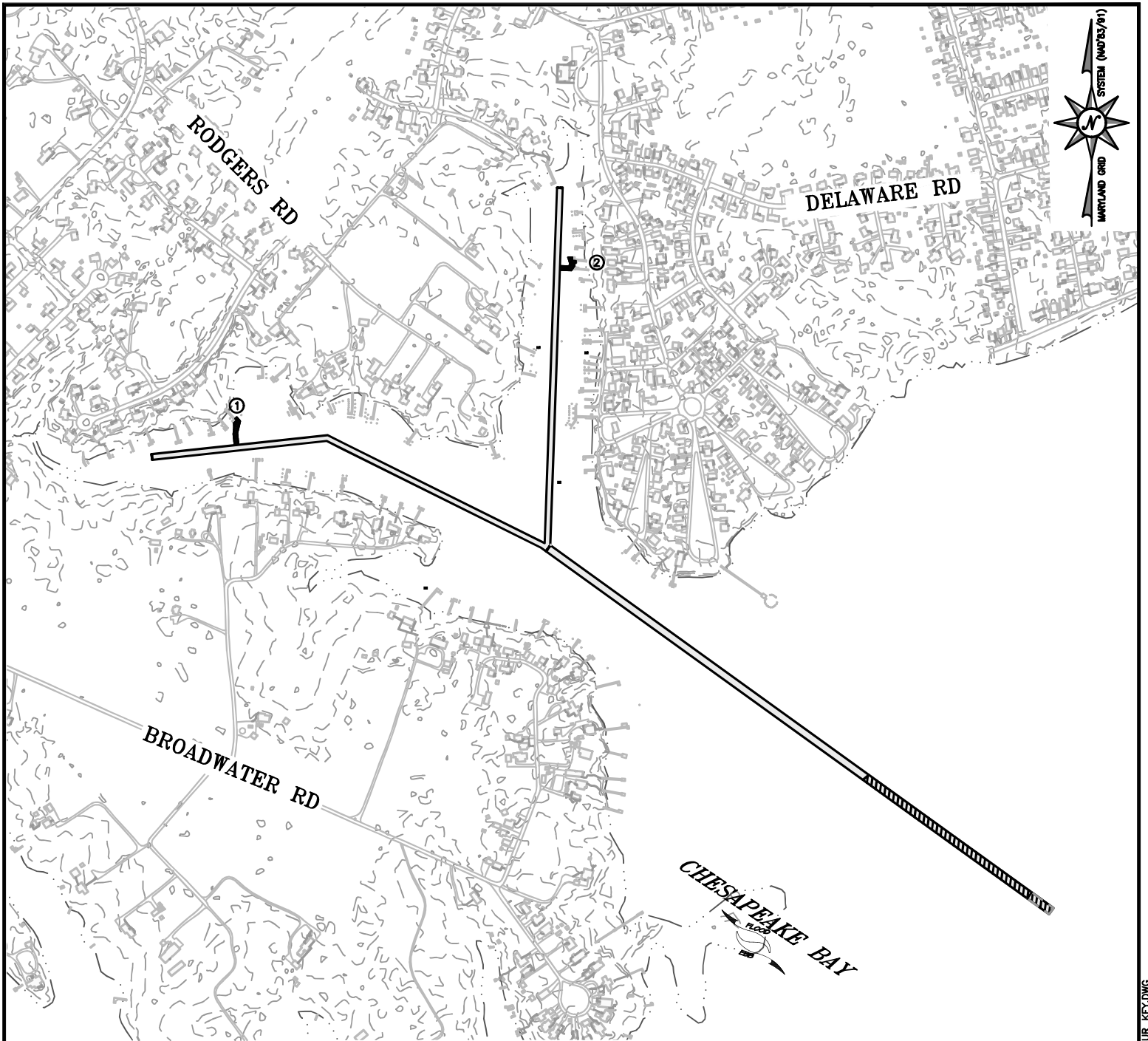
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**VICINITY MAP**



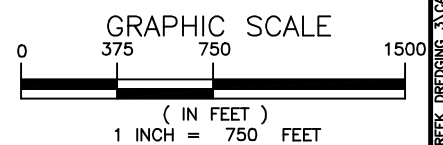
**Bay and**  
Consultants & Designers, Inc.  
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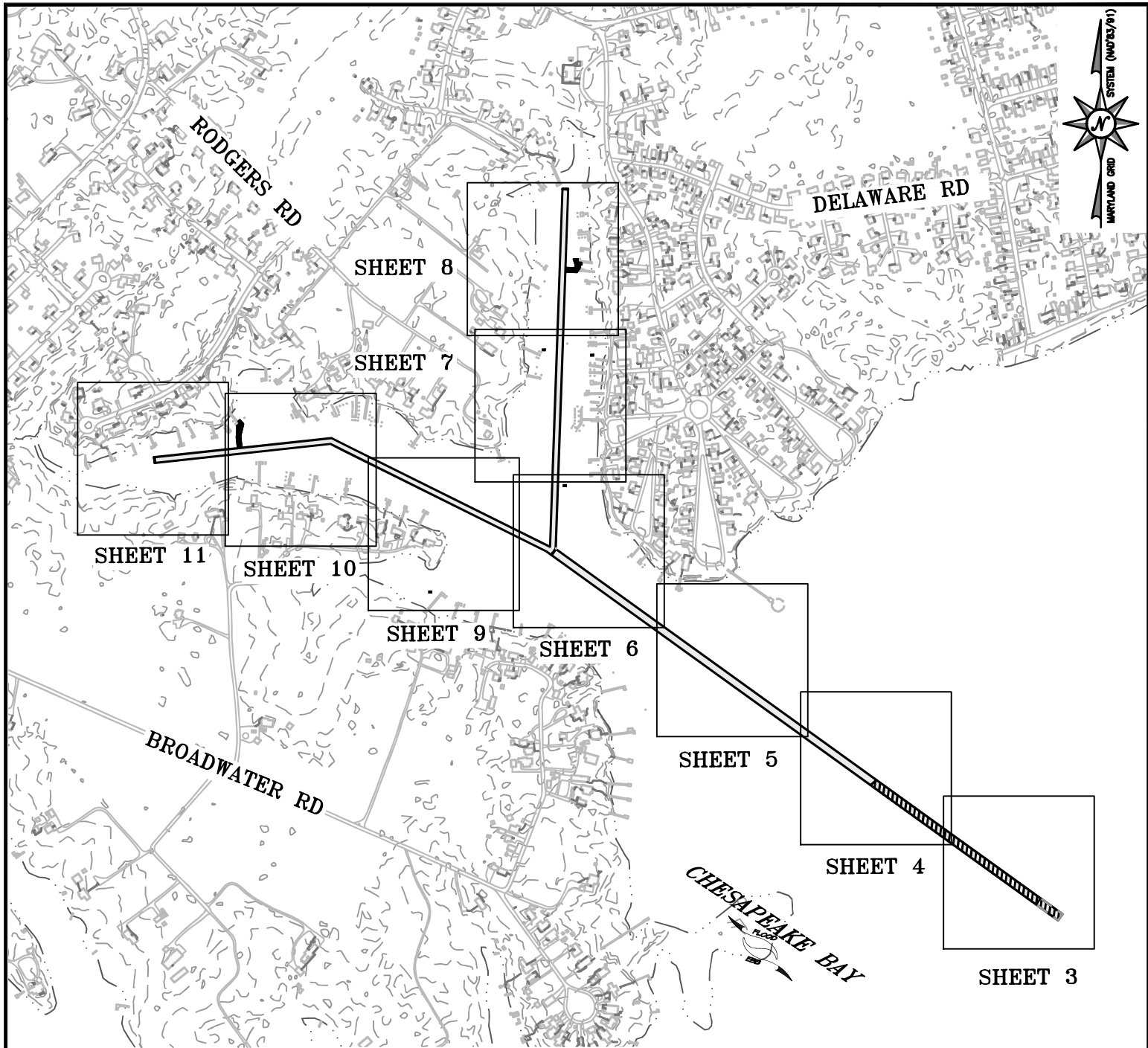


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**KEY SHEET**

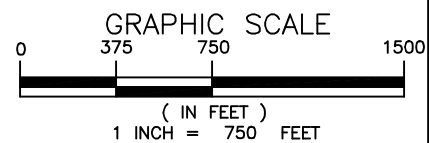
DATE: JUNE 2025

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**KEY SHEET**

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MAIN CHANNEL SEGMENT "A"  
3,145' X 40' TO -4.5' MLW  
CHANNEL OUTLINE REPRESENTS BOTTOM  
WIDTH.  
FOR TOTAL IMPACT SEE TYPICAL CROSS  
SECTION AND CHANNEL DATA TABLE.  
PREVIOUSLY PERMITTED UNDER:  
17-WL-1262

500 YARD OYSTER LIMIT

PREVIOUS DREDGING  
LIMITS 17-WL-1262

25-WL-0137 / 25-WQC-0027

202560200

159735

6-17-2025

ACJ

BROADWATER CREEK  
MAINTENANCE DREDGING  
AT  
ANNE ARUNDEL  
COUNTY

APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

CHANNEL PLANS

SAV LEGEND



COMPOSITE SAV BED FROM SPRING  
AND SUMMER SAV SURVEY 2024

SPRING SURVEY DATE: MAY 13, 2024

SUMMER SURVEY DATE: JULY 22, 2024

LEGEND



PREVIOUSLY DREDGED  
CHANNEL



PROPOSED COUNTY  
CHANNEL

-3.6

SOUNDINGS



PROPOSED CHANNEL  
DEPTH



EXISTING SHORELINE



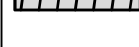
APPROX. PROPERTY LINES



EXISTING BOAT LIFT



EXISTING PILING



500 YARD OYSTER LIMIT

NOTE:  
BASEMAP TAKEN FROM ANNE ARUNDEL COUNTY  
2023 PLANIMETRICS AND 2020 IMAGERY.

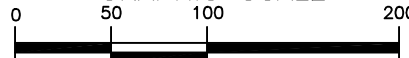


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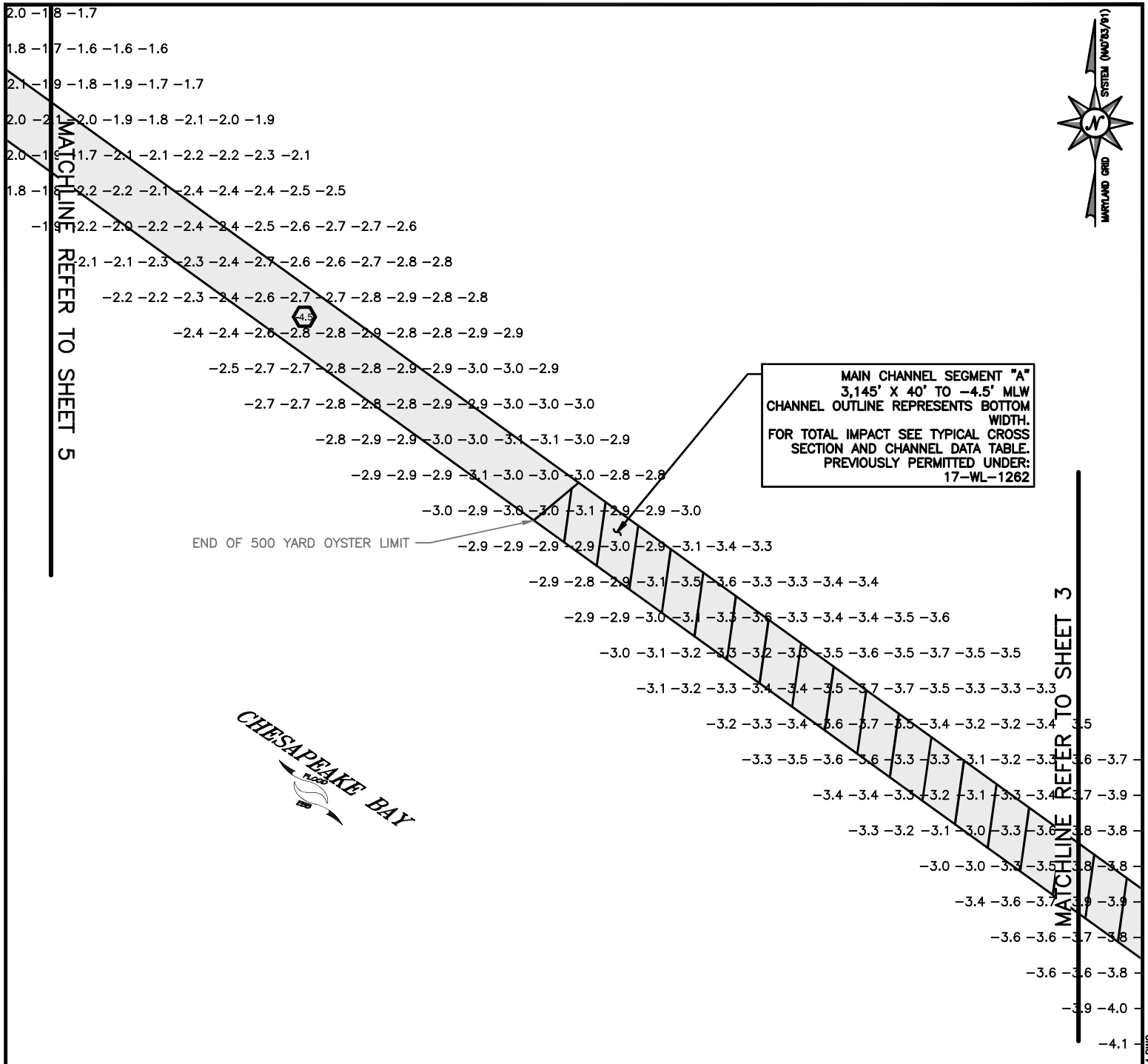
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GRAPHIC SCALE



( IN FEET )

1 INCH = 100 FEET



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 MAINTENANCE DREDGING  
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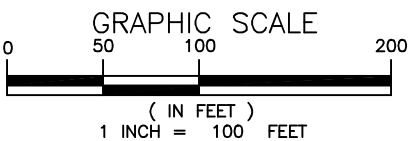
159735

6-17-2025

ACJ

APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

CHANNEL PLANS



NOTE:  
 BASEMAP TAKEN FROM ANNE ARUNDEL COUNTY  
 2023 PLANIMETRICS AND 2020 IMAGERY.

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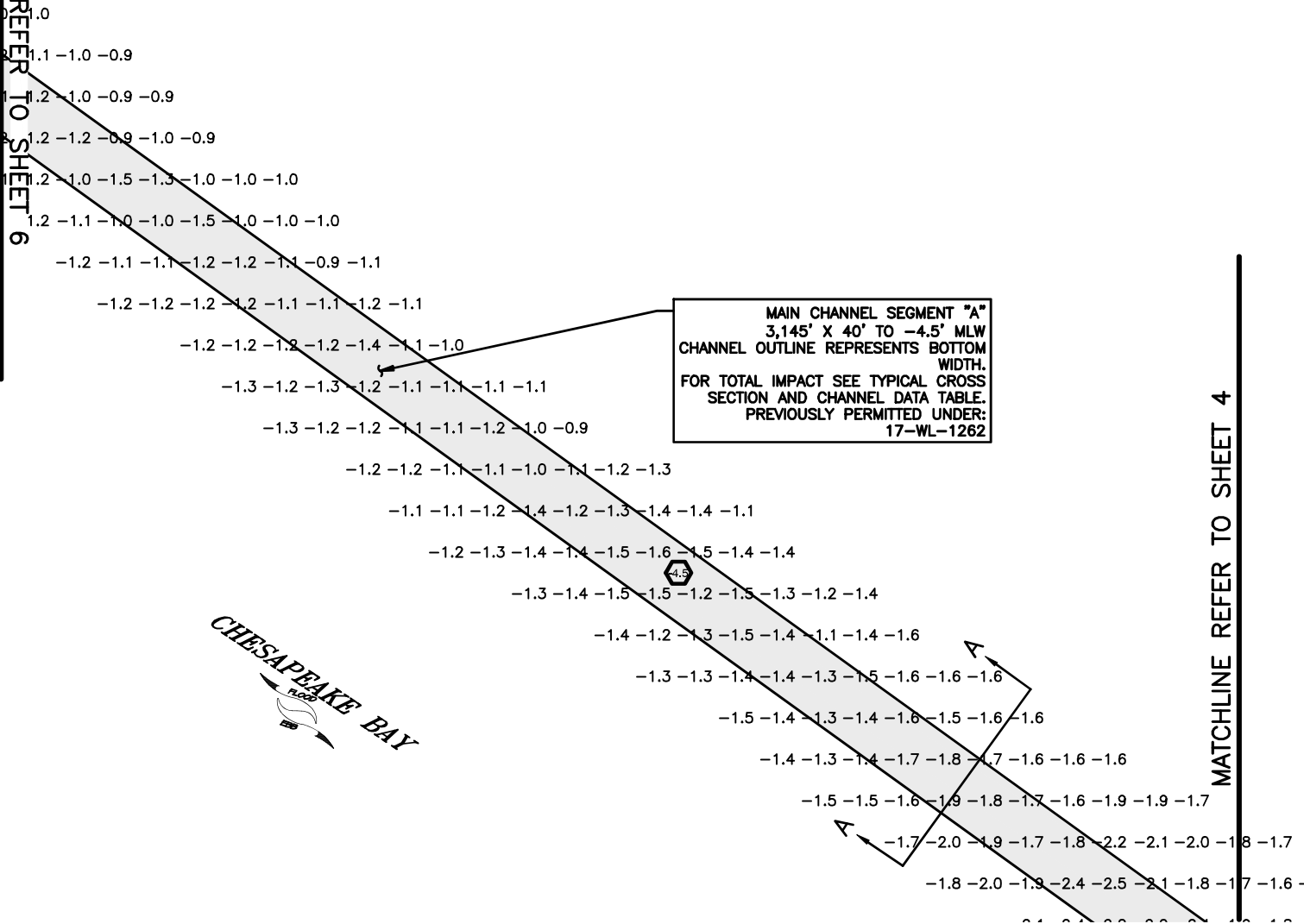
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EX. BOAT LIFT

EX. PIER  
EX. PILE



MATCHLINE REFER TO SHEET 6

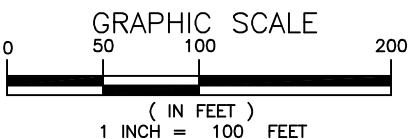


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APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

CHANNEL PLANS



NOTE:  
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2023 PLANIMETRICS AND 2020 IMAGERY.

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MATCHLINE REFER TO SHEET 7

MATCHLINE REFER TO SHEET 9

SYSTEM (WD/RS/RI)  
MARYLAND GRID

MAIN CHANNEL SEGMENT "B"  
1,900' X 30' TO -4.0' MLW  
CHANNEL OUTLINE REPRESENTS BOTTOM  
WIDTH.  
FOR TOTAL IMPACT SEE TYPICAL CROSS  
SECTION AND CHANNEL DATA TABLE.  
PREVIOUSLY PERMITTED UNDER:  
17-WL-1262

EX. SHORELINE

BROADWATER PKWY

BROADWATER CREEK

EX. PIER

EX. BOAT LIFT

EX. PILE

MATCHLINE REFER TO SHEET 5

MAIN CHANNEL SEGMENT "C"  
2,230' X 30' TO -4.0' MLW  
CHANNEL OUTLINE REPRESENTS BOTTOM  
WIDTH.  
FOR TOTAL IMPACT SEE TYPICAL CROSS  
SECTION AND CHANNEL DATA TABLE.  
PREVIOUSLY PERMITTED UNDER:  
17-WL-1262

MAIN CHANNEL SEGMENT "A"  
3,145' X 40' TO -4.5' MLW  
CHANNEL OUTLINE REPRESENTS BOTTOM  
WIDTH.  
FOR TOTAL IMPACT SEE TYPICAL CROSS  
SECTION AND CHANNEL DATA TABLE.  
PREVIOUSLY PERMITTED UNDER:  
17-WL-1262

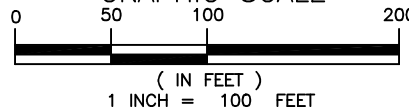
BROADWATER CREEK  
MAINTENANCE DREDGING  
AT  
ANNE ARUNDEL  
COUNTY

25-WL-0137 / 25-WQC-0027  
202560200  
159735  
6-17-2025  
ACJ

APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

CHANNEL PLANS

GRAPHIC SCALE



NOTE:  
BASEMAP TAKEN FROM ANNE ARUNDEL COUNTY  
2023 PLANIMETRICS AND 2020 IMAGERY.



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MATCHLINE REFER TO SHEET 8

-1.8-1.8-2.1-2.4-2.6-2.6-2.3-2.3

-1.9-2.1-2.4-2.3-2.5-2.5-2.4-2.3

-2.0-2.1-2.3-2.4-2.7-2.6-2.3-2.3

-2.1-2.4-2.5-2.5-2.4-2.3-2.3-2.3

-2.0-2.1-2.2-2.4-2.4-2.5-2.4-2.3

-2.1-2.3-2.5-2.6-2.6-2.5-2.5-2.4

-1.9-2.1-2.3-2.3-2.4-2.6-2.6-2.5

-1.8-2.0-2.2-2.4-2.5-2.5-2.4-2.4

-1.7-1.9-2.1-2.3-2.5-2.6-2.6-2.5-2.4

-1.8-2.0-2.3-2.4-2.5-2.5-2.5-2.4-2.2

-1.7-1.8-2.0-2.4-2.5-2.6-2.6-2.5-2.3

-1.8-2.0-2.3-2.4-2.5-2.6-2.6-2.5-2.3-2.2

-1.6-1.7-1.8-2.1-2.4-2.4-2.7-2.8-2.6-2.5-2.3-2.2-1.8

-1.5-1.7-1.9-2.3-2.6-2.7-2.8-2.8-2.6-2.5-2.3-2.2-2.0

-1.5-1.8-2.0-2.3-2.6-2.7-2.8-2.8-2.7-2.5-2.4-2.1-1.9-1.4

-1.6-2.0-2.3-2.6-2.8-2.9-2.9-2.6-2.4-2.2-2.0-1.3

-1.5-1.9-2.2-2.5-2.8-2.8-2.7-2.5-2.4-2.2-1.5

-1.6-1.8-2.3-2.5-2.8-2.8-2.5-2.3-2.2-1.8-1.3

-1.7-2.6-2.6-2.9-2.9-2.5-2.2-1.8-1.4

-1.7-2.1-2.6-2.8-2.9-2.1-1.9-1.5

-2.1-2.4-2.6-2.7-2.8-2.6-1.8-1.2

-1.7-2.2-2.5-2.5-2.5-2.5-1.9

-1.8-2.3-2.5-2.6-2.5-2.3

-1.5-1.9-2.4-2.4-2.3-2.3-1.8

-1.7-2.4-2.3-2.1-1.4

-1.3-1.6-2.0-2.2-1.8-1.4

-1.3-1.7-1.9-1.9-1.6-1.4

-1.4-1.6-1.8-1.8-1.8-1.4

-1.6-1.8-1.8-1.6-1.3-1.6

EX. PIER

EX. PILE

EX. SHORELINE

SHORE DR

MAIN CHANNEL SEGMENT "B"  
1,900' X 30' TO -4.0' MLW  
CHANNEL OUTLINE REPRESENTS BOTTOM  
WIDTH.  
FOR TOTAL IMPACT SEE TYPICAL CROSS  
SECTION AND CHANNEL DATA TABLE.  
PREVIOUSLY PERMITTED UNDER:  
17-WL-1262

MATCHLINE REFER TO SHEET 9

MATCHLINE REFER TO SHEET 6

BROADWATER CREEK

BROADWATER CREEK  
MAINTENANCE DREDGING  
AT  
ANNE ARUNDEL  
COUNTY

APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

CHANNEL PLANS

25-WL-0137 / 25-WQC-0027

202560200

159735

6-17-2025

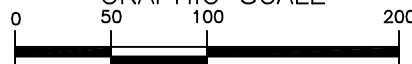
ACJ

NOTE:  
BASEMAP TAKEN FROM ANNE ARUNDEL COUNTY  
2023 PLANIMETRICS AND 2020 IMAGERY.

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GRAPHIC SCALE

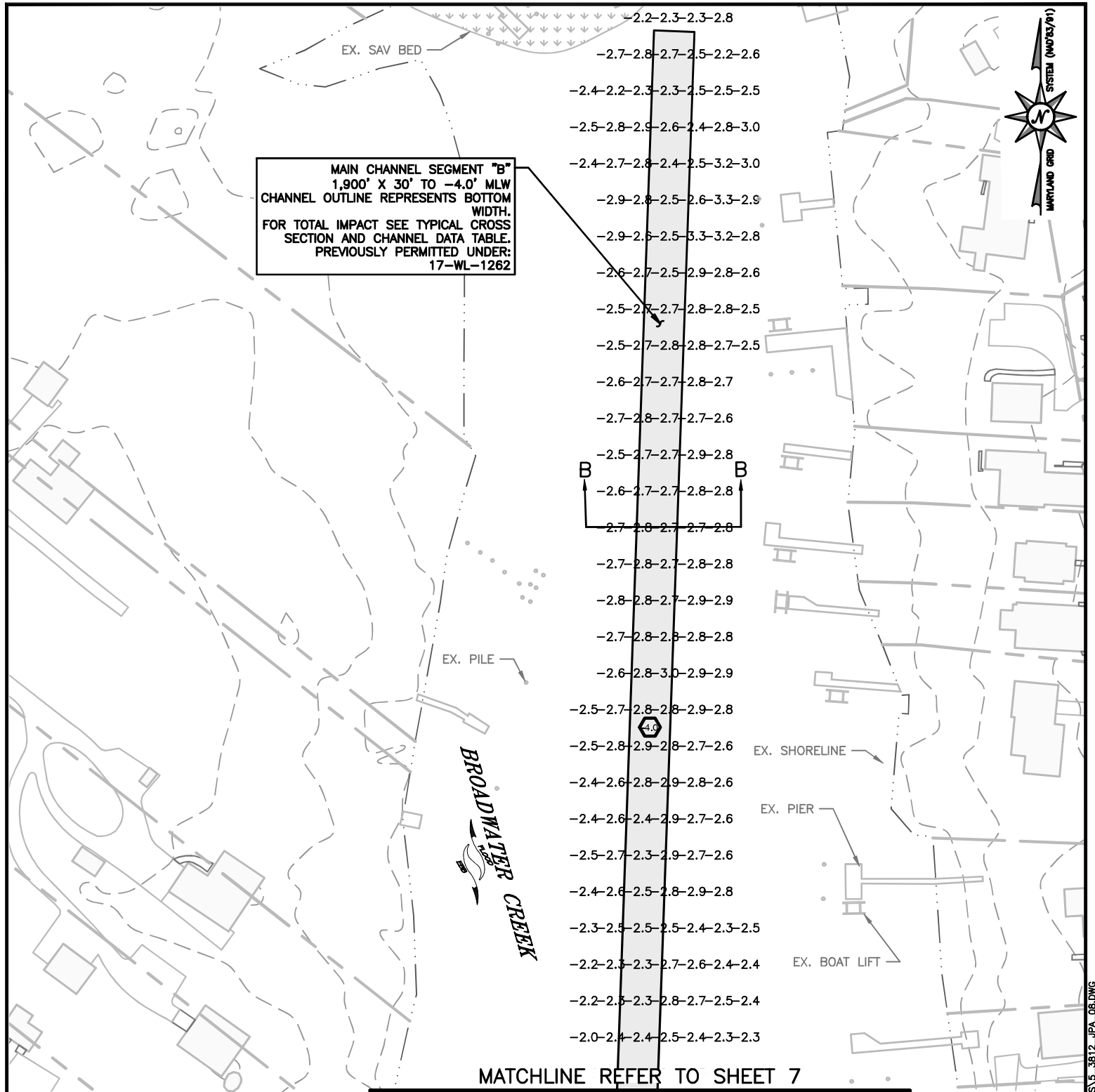


( IN FEET )

1 INCH = 100 FEET

Z:\5\_3812\_BROADWATER\_CREEK\_DREDGING\_3\CAD FILES\SHEET FILES\5\_3812\_JPA\_07.DWG



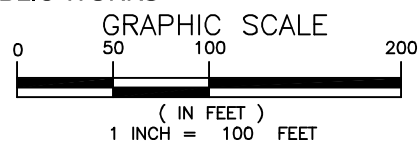


**BROADWATER CREEK  
 MAINTENANCE DREDGING  
 AT  
 ANNE ARUNDEL  
 COUNTY**

25-WL-0137 / 25-WQC-0027  
 202560200  
 159735  
 6-17-2025  
 ACJ

APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

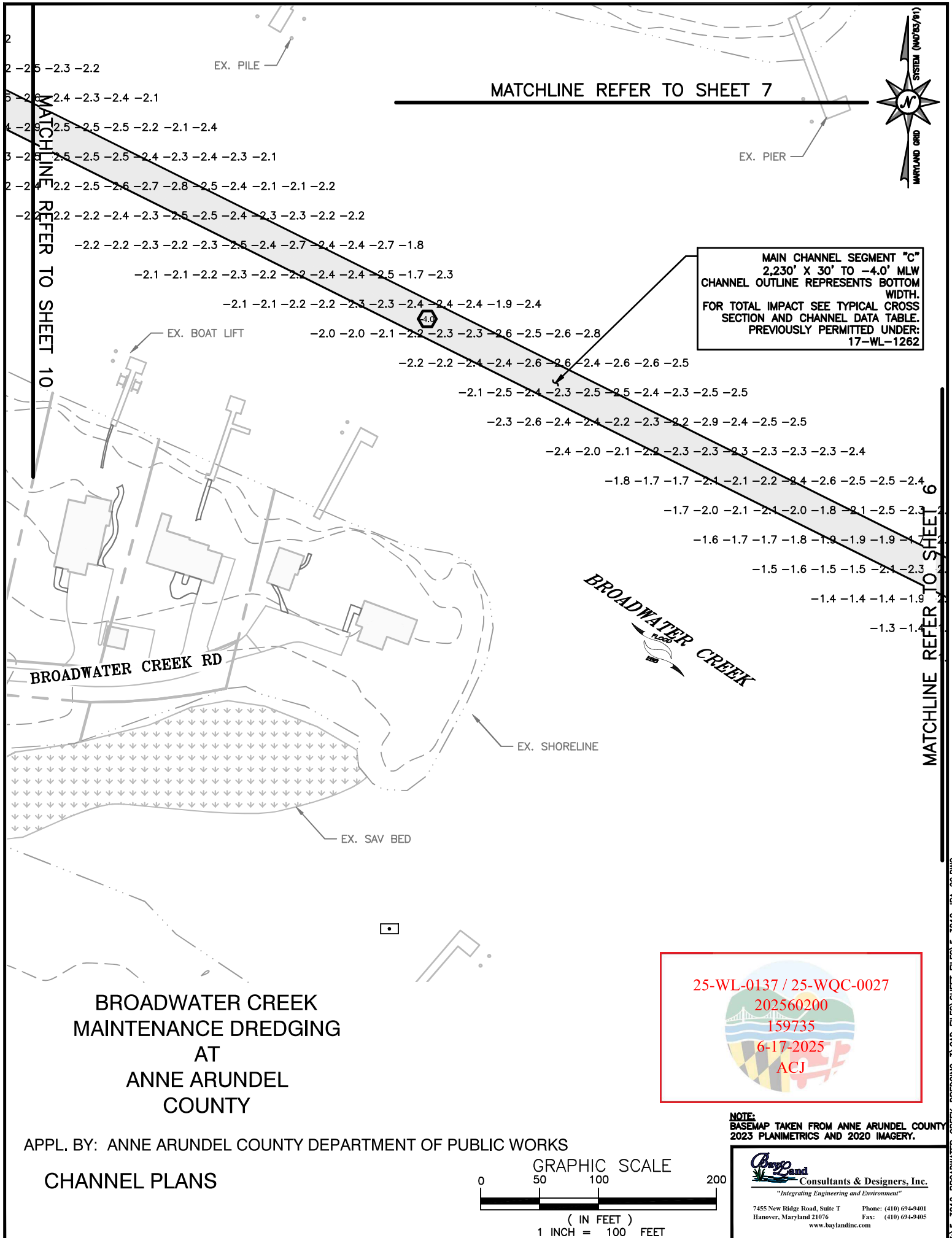
**CHANNEL PLANS**



**NOTE:**  
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MATCHLINE REFER TO SHEET 10

MATCHLINE REFER TO SHEET 7

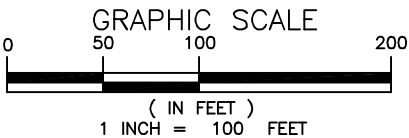
MATCHLINE REFER TO SHEET 6

MAIN CHANNEL SEGMENT "C"  
2,230' X 30' TO -4.0' MLW  
CHANNEL OUTLINE REPRESENTS BOTTOM  
WIDTH.  
FOR TOTAL IMPACT SEE TYPICAL CROSS  
SECTION AND CHANNEL DATA TABLE.  
PREVIOUSLY PERMITTED UNDER:  
17-WL-1262

BROADWATER CREEK  
MAINTENANCE DREDGING  
AT  
ANNE ARUNDEL  
COUNTY

APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

CHANNEL PLANS



25-WL-0137 / 25-WQC-0027  
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NOTE:  
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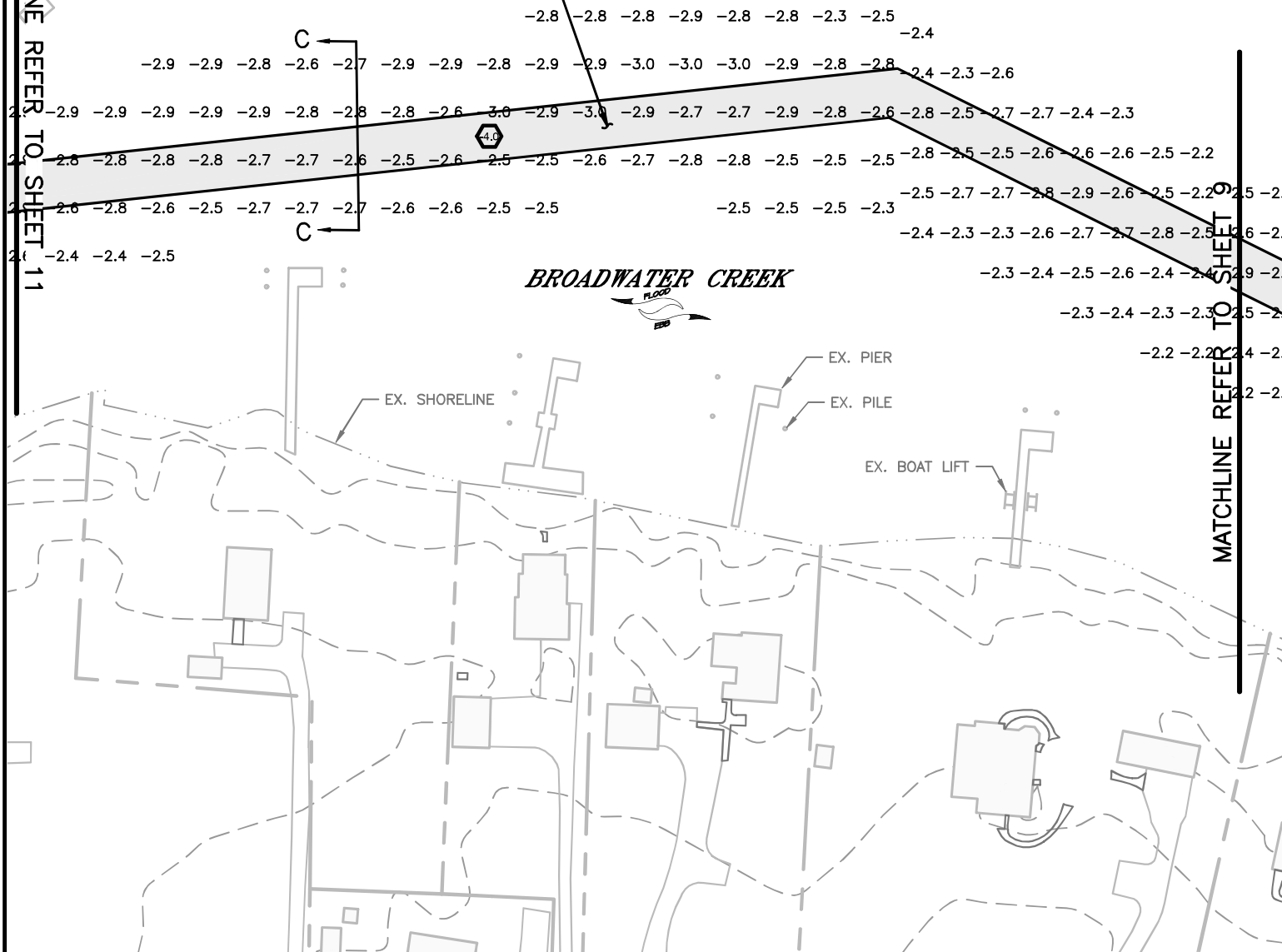
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MAIN CHANNEL SEGMENT "C"  
2,230' X 30' TO -4.0' MLW  
CHANNEL OUTLINE REPRESENTS BOTTOM  
WIDTH.  
FOR TOTAL IMPACT SEE TYPICAL CROSS  
SECTION AND CHANNEL DATA TABLE.  
PREVIOUSLY PERMITTED UNDER:  
17-WL-1262

MATCHLINE REFER TO SHEET 11

MATCHLINE REFER TO SHEET 9

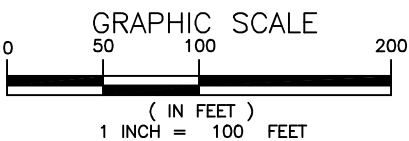


# BROADWATER CREEK MAINTENANCE DREDGING AT ANNE ARUNDEL COUNTY

25-WL-0137 / 25-WQC-0027  
202560200  
159735  
6-17-2025  
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APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

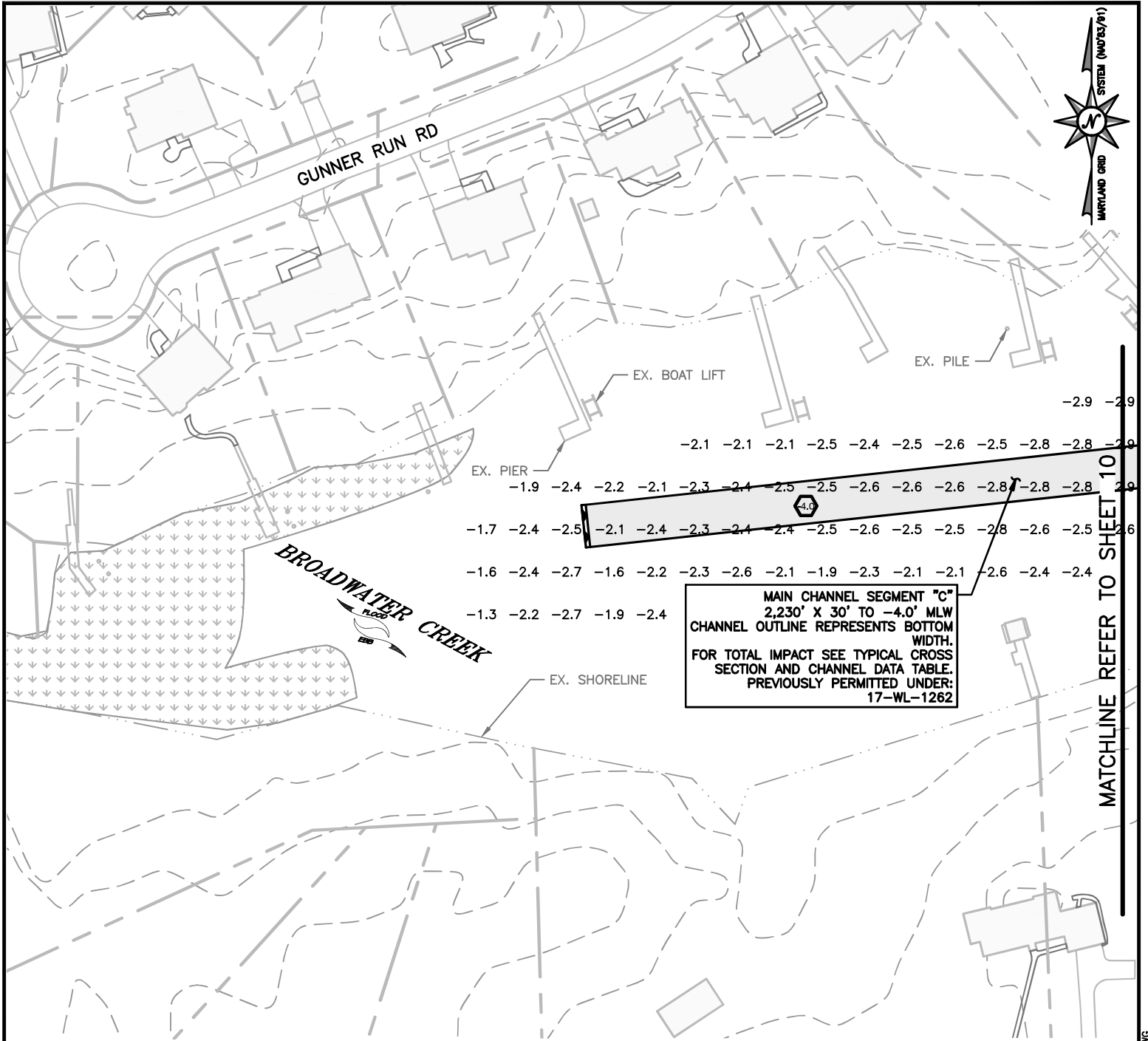
## CHANNEL PLANS



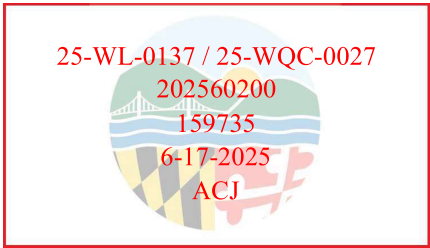
NOTE:  
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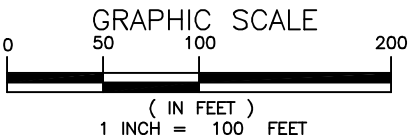


**BROADWATER CREEK  
 MAINTENANCE DREDGING  
 AT  
 ANNE ARUNDEL  
 COUNTY**



APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

**CHANNEL PLANS**

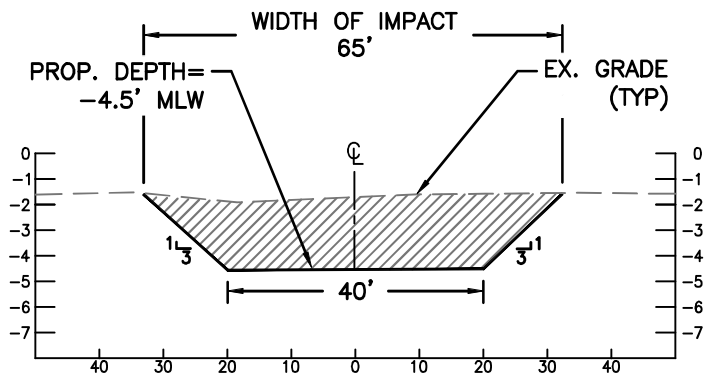


**NOTE:**  
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 2023 PLANIMETRICS AND 2020 IMAGERY.

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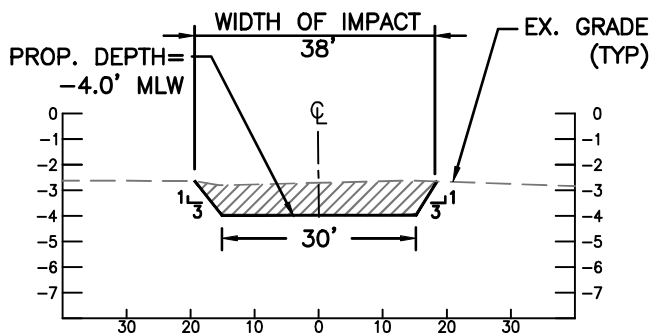
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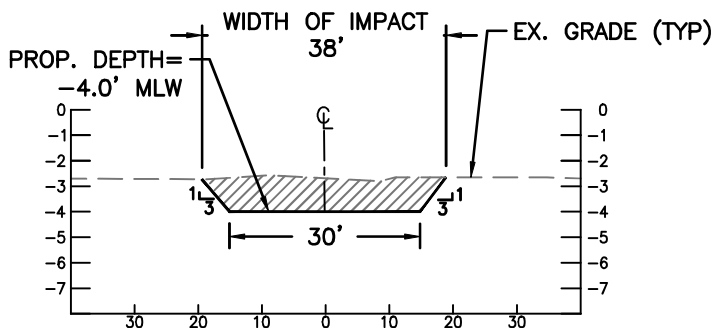
## SECTION A-A

SCALE: NTS



## SECTION B-B

SCALE: NTS



## SECTION C-C

SCALE: NTS

25-WL-0137 / 25-WQC-0027

202560200

159735

6-17-2025

ACJ

BROADWATER CREEK  
MAINTENANCE DREDGING  
AT  
ANNE ARUNDEL  
COUNTY

APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

CHANNEL DETAILS



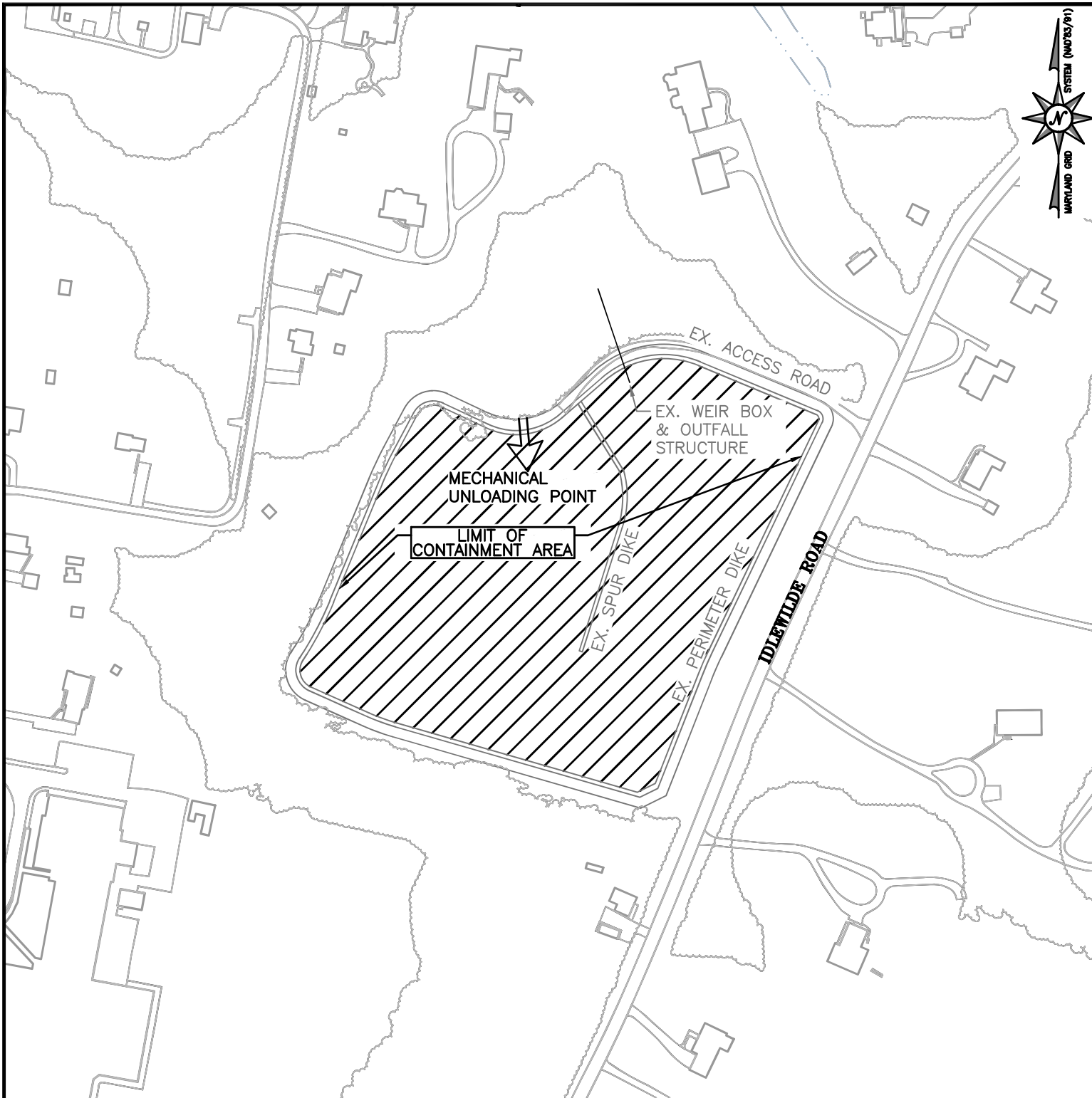
Consultants & Designers, Inc.

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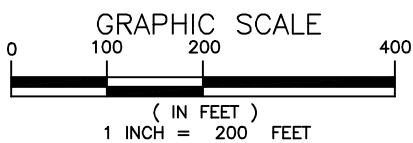


BROADWATER CREEK  
MAINTENANCE DREDGING  
AT  
ANNE ARUNDEL  
COUNTY

25-WL-0137 / 25-WQC-0027  
202560200  
159735  
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IDLEWILDE DMP SITE



**NOTE:**  
BASEMAP TAKEN FROM ANNE ARUNDEL COUNTY  
2023 PLANIMETRICS AND 2020 IMAGERY.

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MECHANICAL  
UNLOADING POINT

LIMIT OF CONTAINMENT AREA

EX. PERIMETER DIKE

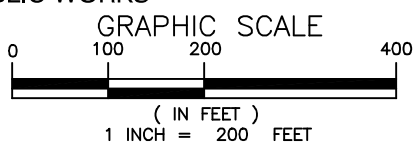
EX. WEIR BOX AND  
OUTFALL STRUCTURE  
TO BE MAINTAINED

BROADWATER CREEK  
MAINTENANCE DREDGING  
AT  
ANNE ARUNDEL  
COUNTY

25-WL-0137 / 25-WQC-0027  
202560200  
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6-17-2025  
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SOUTH COUNTY DMP SITE



**NOTE:**  
BASEMAP TAKEN FROM ANNE ARUNDEL COUNTY  
2023 PLANIMETRICS AND 2020 IMAGERY.

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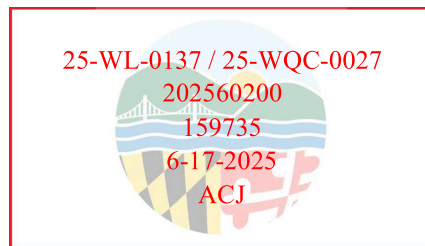


CHANNEL DETAILS				
SEGMENT	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	VOLUME (CY)
A	3,145	40	-4.5'	11,284
B	1,900	30	-4.0'	3,749
C	2,230	30	-4.0'	4,363
TOTAL MAIN CHANNEL LENGTH				7,275 LF
TOTAL MAIN CHANNEL VOLUME				19,396 CY
TOTAL MAIN CHANNEL AREA OF IMPACT				336,051 SF = 7.71 AC
TOTAL NEW AREA OF DREDGING				0 SF = 0.0 AC
TOTAL MAIN CHANNEL AREA OF IMPACT TO 2024 SAV				0 SF = 0.0 AC

**NOTES:**

1. BASEMAP COMPILED FROM ANNE ARUNDEL COUNTY 2023 PLANIMETRICS AND 2020 IMAGERY.
2. TIDAL RANGE IS 0.97 FEET.
3. BATHYMETRY FROM BAYLAND SURVEY WAS CONDUCTED ON OCTOBER 23 AND 31, 2024
4. SAV FROM BAYLAND SURVEY WAS CONDUCTED ON MAY 13, 2024 AND JULY 22, 2024.
5. SOUNDINGS ARE IN FEET AND REFER TO MLW.
6. THE BROADWATER CREEK PROPOSED FOR MAINTENANCE DREDGING WAS PREVIOUSLY PERMITTED UNDER MDE PERMIT 17-WL-1262 / USACE PERMIT NAB-2017-62262-M18.
7. THESE ARE PERMIT DRAWINGS ONLY. DESIGN DRAWINGS WILL BE PREPARED SEPARATELY.

**BROADWATER CREEK  
MAINTENANCE DREDGING  
AT  
ANNE ARUNDEL  
COUNTY**



APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

**CHANNEL DETAILS**