



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

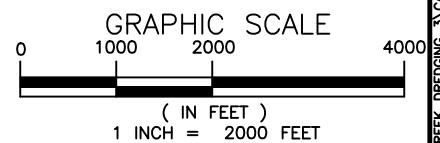
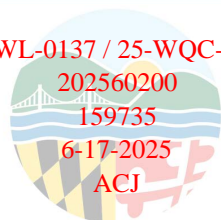
25-WL-0137 / 25-WQC-0027

202560200

159735

6-17-2025

ACJ



APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

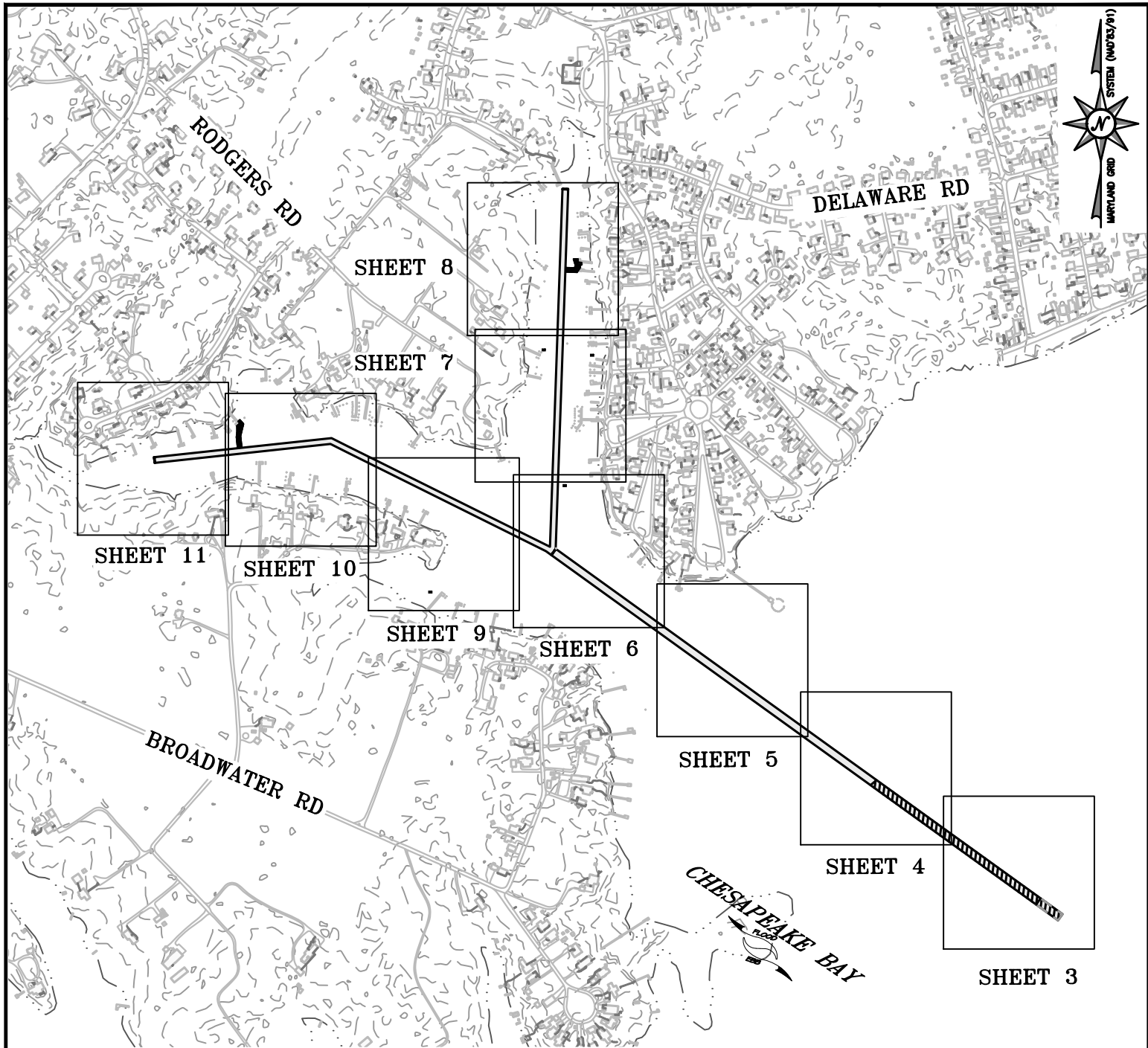
VICINITY MAP



Consultants & Designers, Inc.

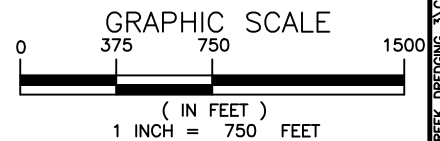
"Integrating Engineering and Environment"

7455 New Ridge Road, Suite T Phone: (410) 694-9401
Hanover, Maryland 21076 Fax: (410) 694-9405
www.baylandinc.com



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APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

KEY SHEET



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-3.6 -3.7 -3.9

-3.7 -3.9 -3.9 -4.0

-3.8 -3.8 -3.8 -4.0 -4.1

-3.8 -3.8 -3.8 -4.0 -4.2 -4.3 -4.2

-3.9 -3.9 -3.9 -4.0 -4.3 -4.4 -4.3

-3.7 -3.8 -3.9 -4.2 -4.3 -4.4 -4.5 -4.4 -4.3

-3.6 -3.8 -4.1 -4.1 -4.1 -4.2 -4.3 -4.4 -4.4 -4.3 -4.2

-3.9 -4.0 -4.1 -4.0 -4.0 -4.0 -4.2 -4.3 -4.3 -4.2 -4.1 -4.1

-4.1 -4.1 -3.9 -3.9 -4.0 -4.2 -4.3 -4.2 -4.2 -4.0 -4.1 -4.1

-4.2 -3.7 -3.8 -4.0 -4.1 -4.3 -4.3 -4.1 -3.9 -4.3 -4.1 -4.0

-3.6 -4.0 -4.2 -4.3 -4.3 -3.9 -4.1 -4.2 -4.1 -4.1 -3.7 -3.5

-4.1 -4.1 -4.2 -4.2 -3.9 -4.0 -4.2 -4.0 -3.8 -3.5 -3.5 -3.7

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-4.1 -4.0 -3.9 -3.9 -3.8 -3.6 -3.4 -3.7 -4.1 -4.0 -4.0 -3.9 -4.0

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-6.4 -6.7 -6.6 -6.3

-6.6 -6.6 -6.6

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

CHESAPEAKE BAY



25-WL-0137 / 25-WQC-0027

202560200

159735

6-17-2025

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BROADWATER CREEK MAINTENANCE DREDGING AT ANNE ARUNDEL COUNTY

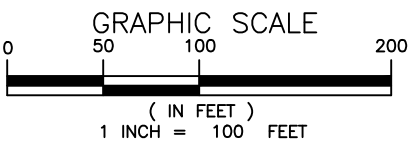
APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

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	

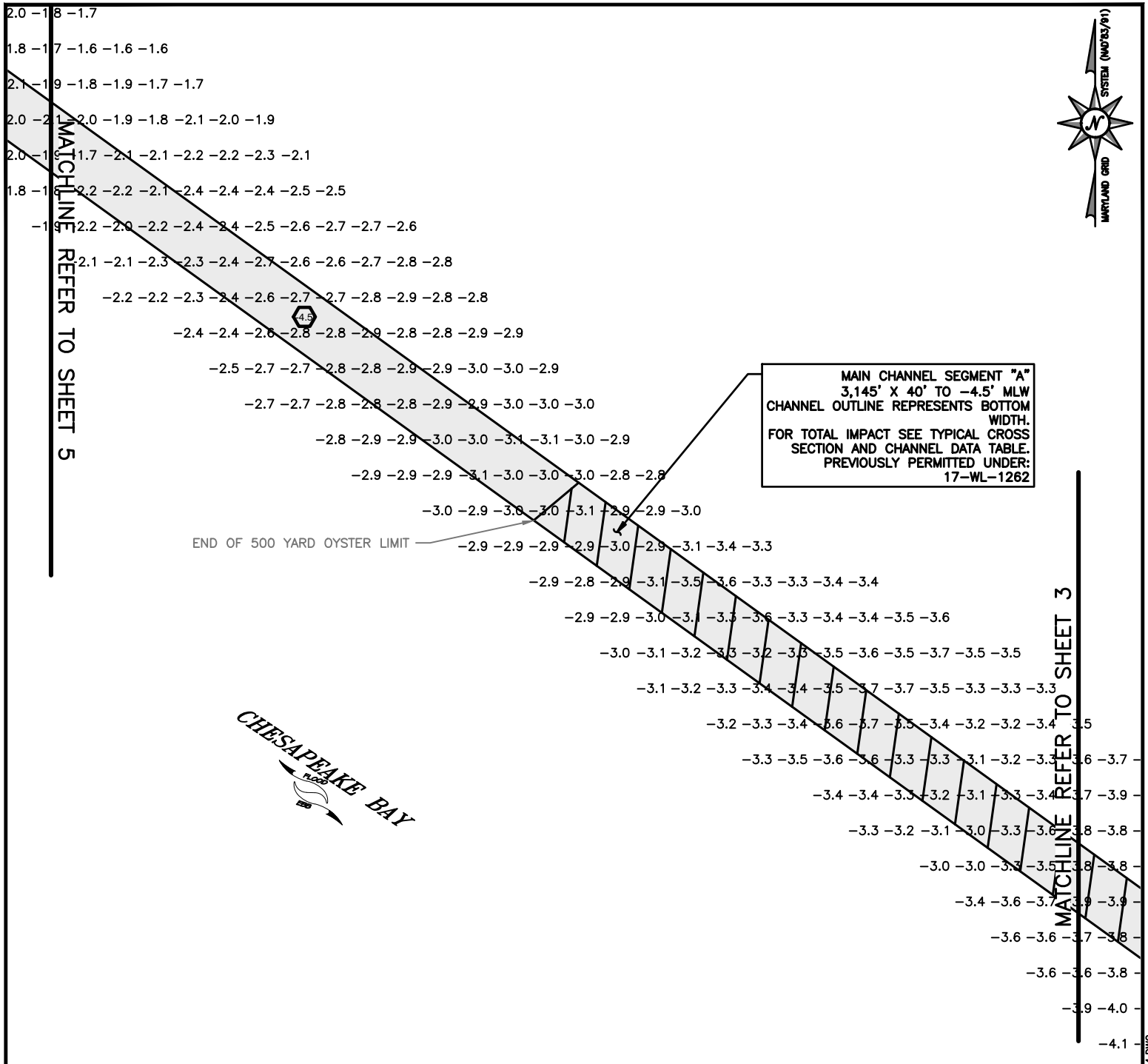
LEGEND	
	PREVIOUSLY DREDGED CHANNEL
	PROPOSED COUNTY CHANNEL
-3.6	SOUNDINGS
	PROPOSED CHANNEL DEPTH
	EXISTING SHORELINE
	APPROX. PROPERTY LINES
	EXISTING BOAT LIFT
	EXISTING PILING
	500 YARD OYSTER LIMIT

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



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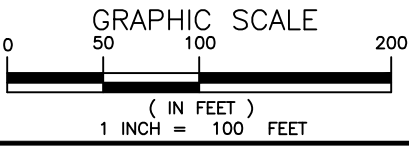


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CHANNEL PLANS



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Z:\5_3812_BROADWATER_CREEK_DREDGING_3\CAD FILES\SHEET FILES\5_3812_JPA_04.DWG

MATCHLINE REFER TO SHEET 6

CHESAPEAKE BAY

BROADWATER CREEK
MAINTENANCE DREDGING
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CHANNEL PLANS

25-WL-0137 / 25-WQC-0027

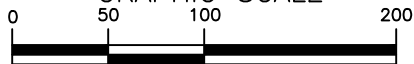
202560200

159735

6-17-2025

ACJ

GRAPHIC SCALE



(IN FEET)
1 INCH = 100 FEET

NOTE:
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MATCHLINE REFER TO SHEET 4



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

MATCHLINE REFER TO SHEET 7

MATCHLINE REFER TO SHEET 9

SYSTEM (NOV/03/91)
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:
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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

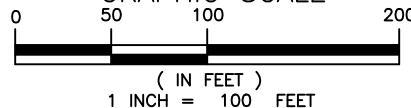
BROADWATER CREEK MAINTENANCE DREDGING AT ANNE ARUNDEL COUNTY

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

APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

CHANNEL PLANS

GRAPHIC SCALE



NOTE:
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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

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

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

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-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

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

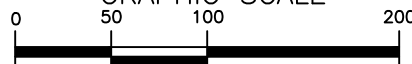


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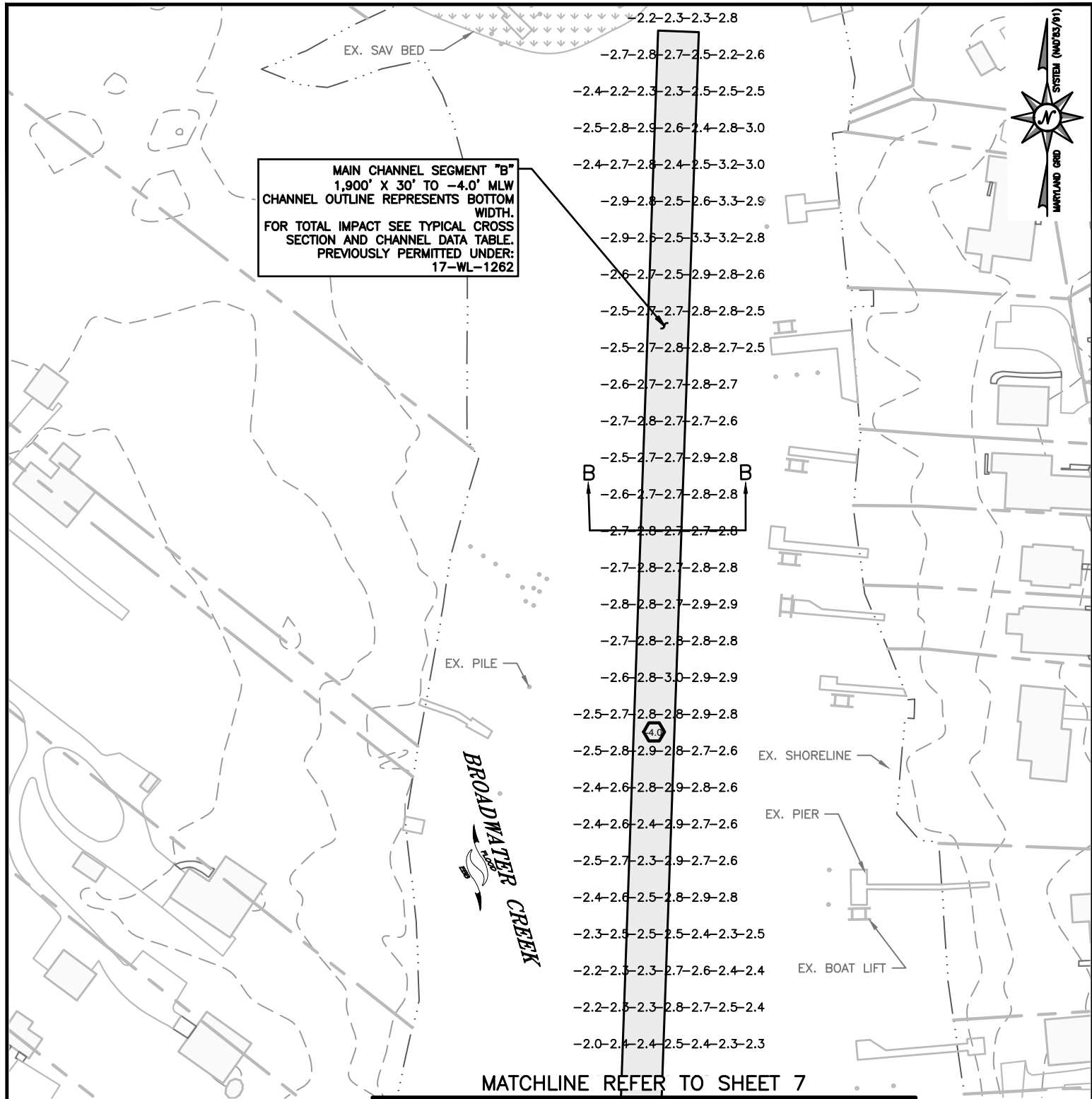
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GRAPHIC SCALE



(IN FEET)

1 INCH = 100 FEET



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

25-WL-0137 / 25-WQC-0027

202560200

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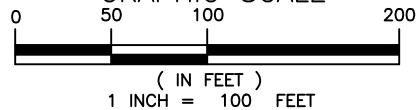
6-17-2025

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CHANNEL PLANS

GRAPHIC SCALE



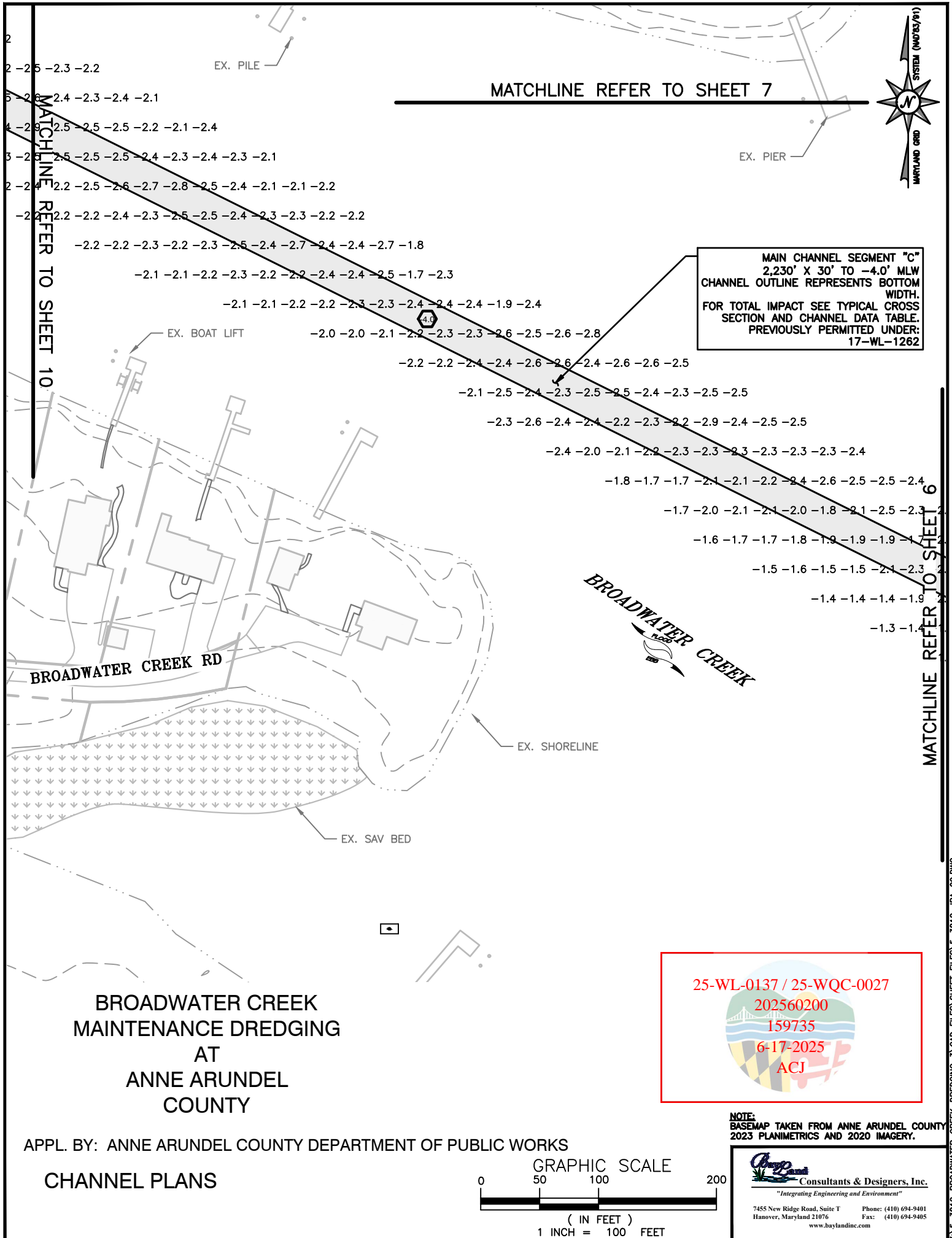
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MATCHLINE REFER TO SHEET 10

MATCHLINE REFER TO SHEET 7

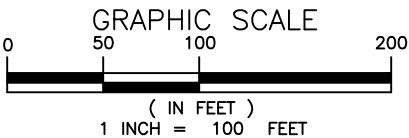
MATCHLINE REFER TO SHEET 6

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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2023 PLANIMETRICS AND 2020 IMAGERY.

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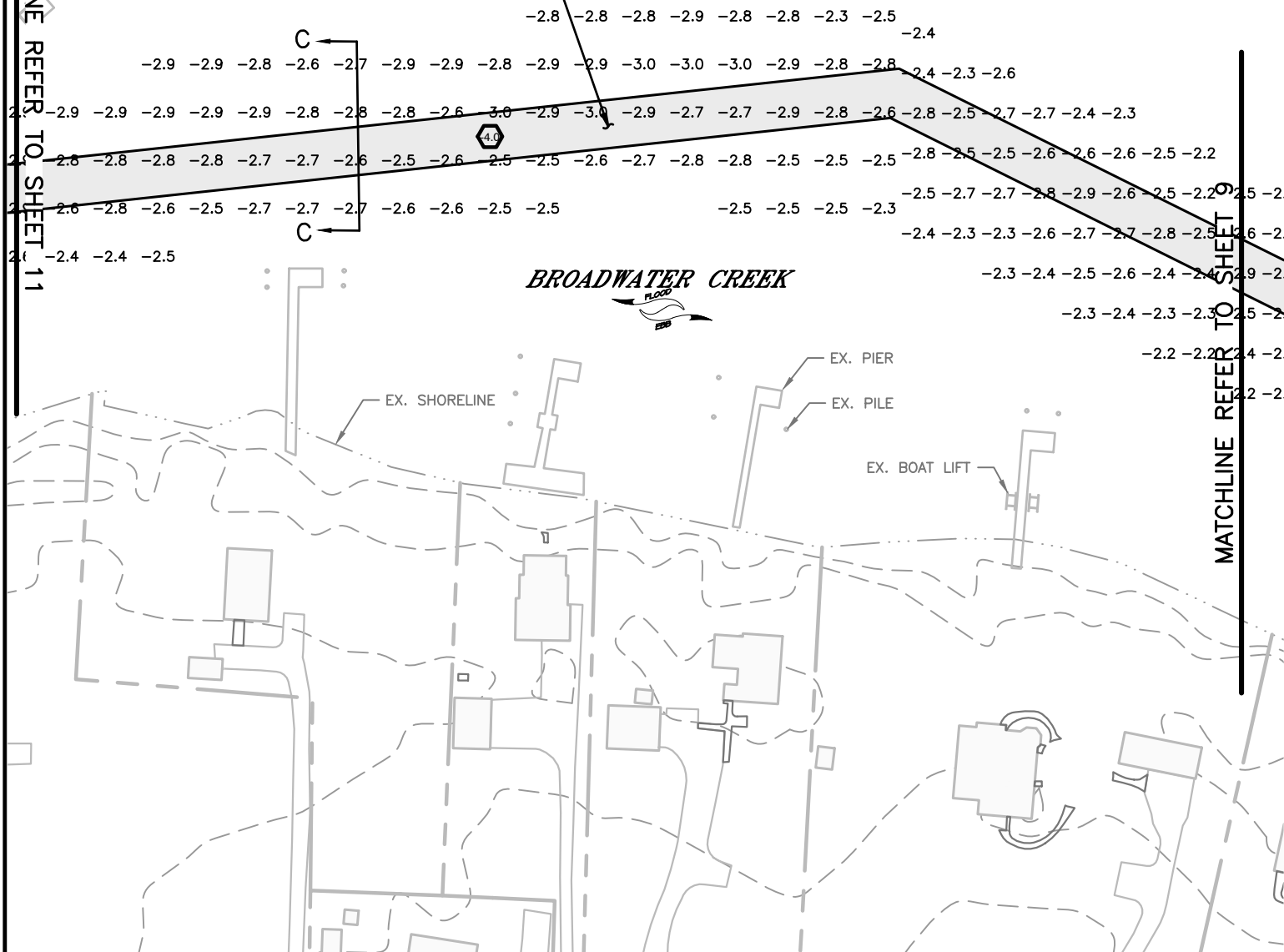
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MAIN CHANNEL SEGMENT "C"
2,230' X 30' TO -4.0' MLW
CHANNEL OUTLINE REPRESENTS BOTTOM
WIDTH.
FOR TOTAL IMPACT SEE TYPICAL CROSS
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PREVIOUSLY PERMITTED UNDER:
17-WL-1262

MATCHLINE REFER TO SHEET 11

MATCHLINE REFER TO SHEET 9

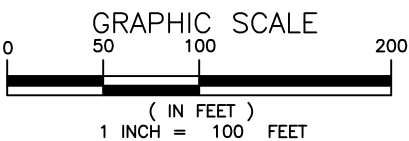


BROADWATER CREEK MAINTENANCE DREDGING AT ANNE ARUNDEL COUNTY

25-WL-0137 / 25-WQC-0027
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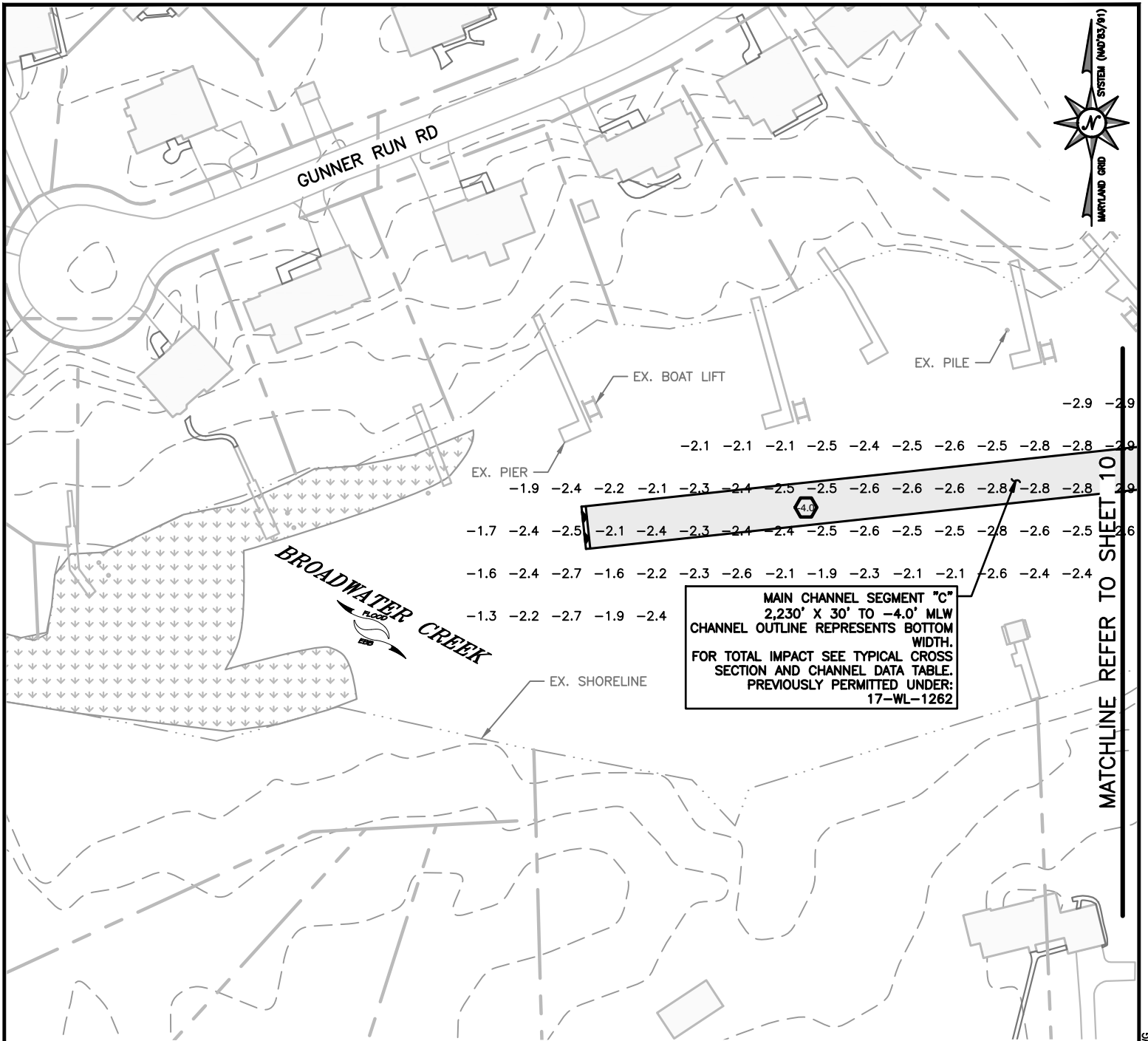
CHANNEL PLANS



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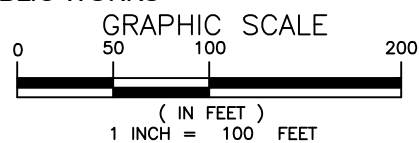


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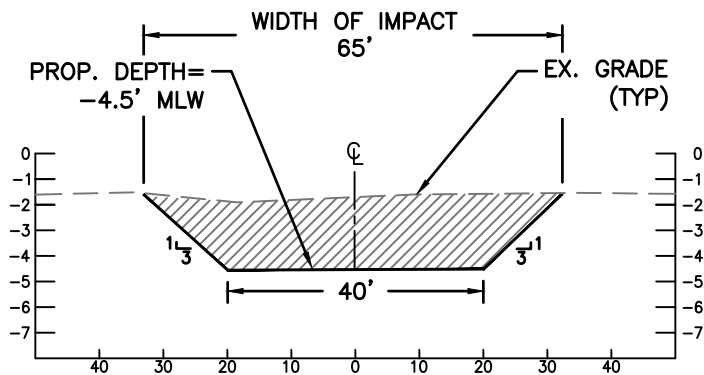
APPL. BY: ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

CHANNEL PLANS



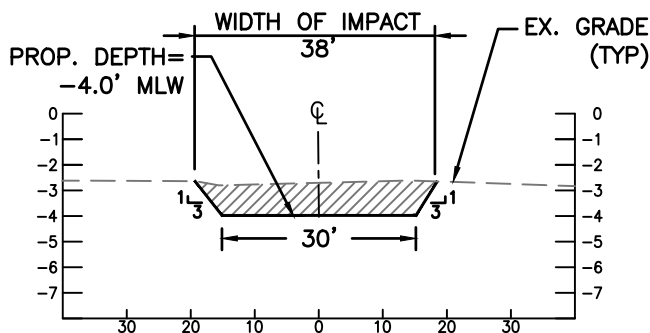
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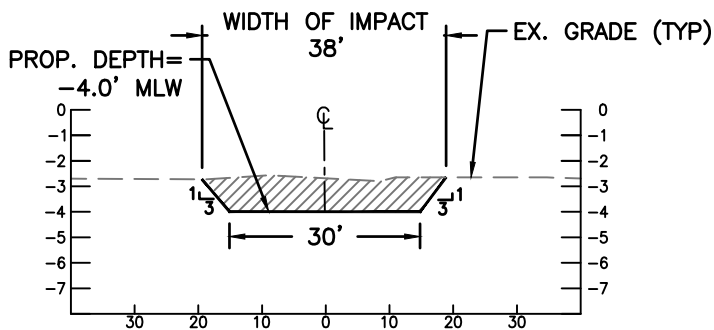
SECTION A-A

SCALE: NTS



SECTION B-B

SCALE: NTS



SECTION C-C

SCALE: NTS

25-WL-0137 / 25-WQC-0027

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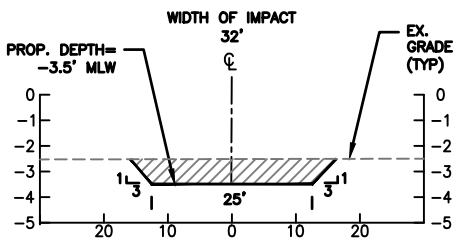
CHANNEL DETAILS



Consultants & Designers, Inc.

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Hanover, Maryland 21076 Fax: (410) 694-9405
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SECTION A-A
SCALE: NTS

APPLICATION BY:
JOSEPH SEGRET
5619 GUNNER RUN ROAD
CHURCHTON, MD 20733



RICHARD C RUNNER
JACQUELINE R RUNNER
5623 GUNNER RUN RD
CHURCHTON MD 20733

LAURA MARTINI
5621 GUNNER RUN RD
CHURCHTON MD 20733

EX. DAVITS(TYP)
(PREVIOUSLY UNAUTHORIZED)

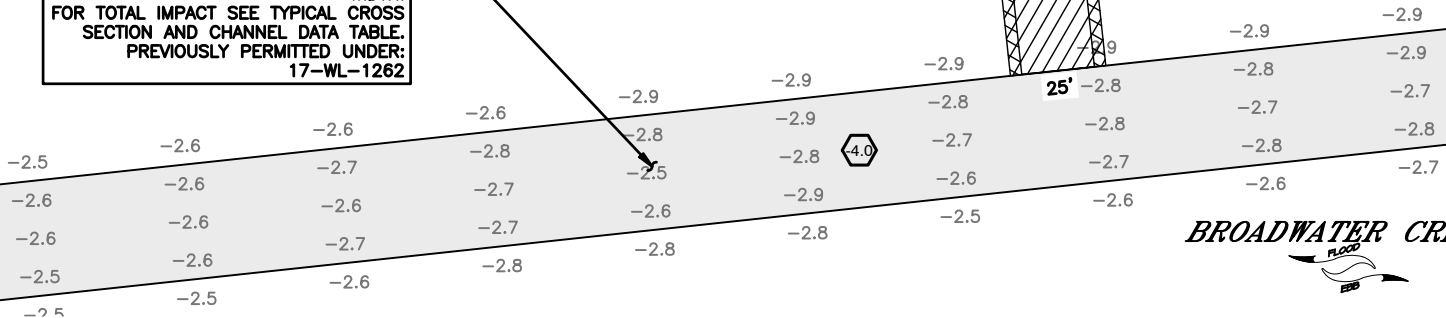
MLW

EX. BOAT LIFT (TYP)

EX. PILE (TYP)

PR. SPUR DREDGING
TO -3.5' MLW
PREVIOUSLY PERMITTED
UNDER 17-WL-1294

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



SPUR DATA

AREA = 3,715 SF
VOLUME = 120 CY
2024 SAV IMPACT = 0 SF

LEGEND

- 1.0 EXISTING DEPTH
- EXISTING PILING
- PROPOSED PILING



- BOTTOM CUT AREA
- SIDE SLOPE AREA

SAV LEGEND

COMPOSITE SAV BED FROM SPRING AND
SUMMER SAV SURVEY 2024

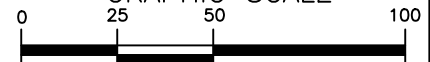
SPRING SURVEY DATE: MAY 13, 2024

SUMMER SURVEY DATES: JULY 22, 2024

BROADWATER CREEK



GRAPHIC SCALE



(IN FEET)
1 INCH = 50 FEET

NOTES:

1. TIDAL RANGE IS 0.97 FEET.
2. SOUNDINGS ARE IN FEET AND REFER TO MLW.
3. MATERIAL WILL BE BENEFICIALLY REUSED OR PLACED AT A COUNTY APPROVED DMP SITE
4. THESE ARE PERMIT DRAWINGS ONLY. DESIGN DRAWINGS WILL BE PREPARED SEPARATELY.
5. BASEMAP TAKEN FROM ANNE ARUNDEL COUNTY 2023 PLANIMETRICS AND 2020 IMAGERY.



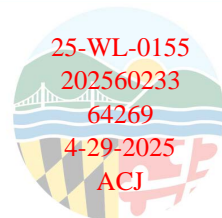
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BROADWATER CREEK SPURS
SPUR 2
JOSEPH SEGRET
5619 GUNNER RUN ROAD
CHURCHTON, MD 20733
APRIL 2025



TYPICAL DAVIT LIFT

SCALE: NTS



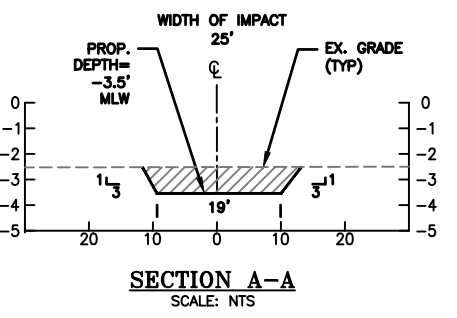
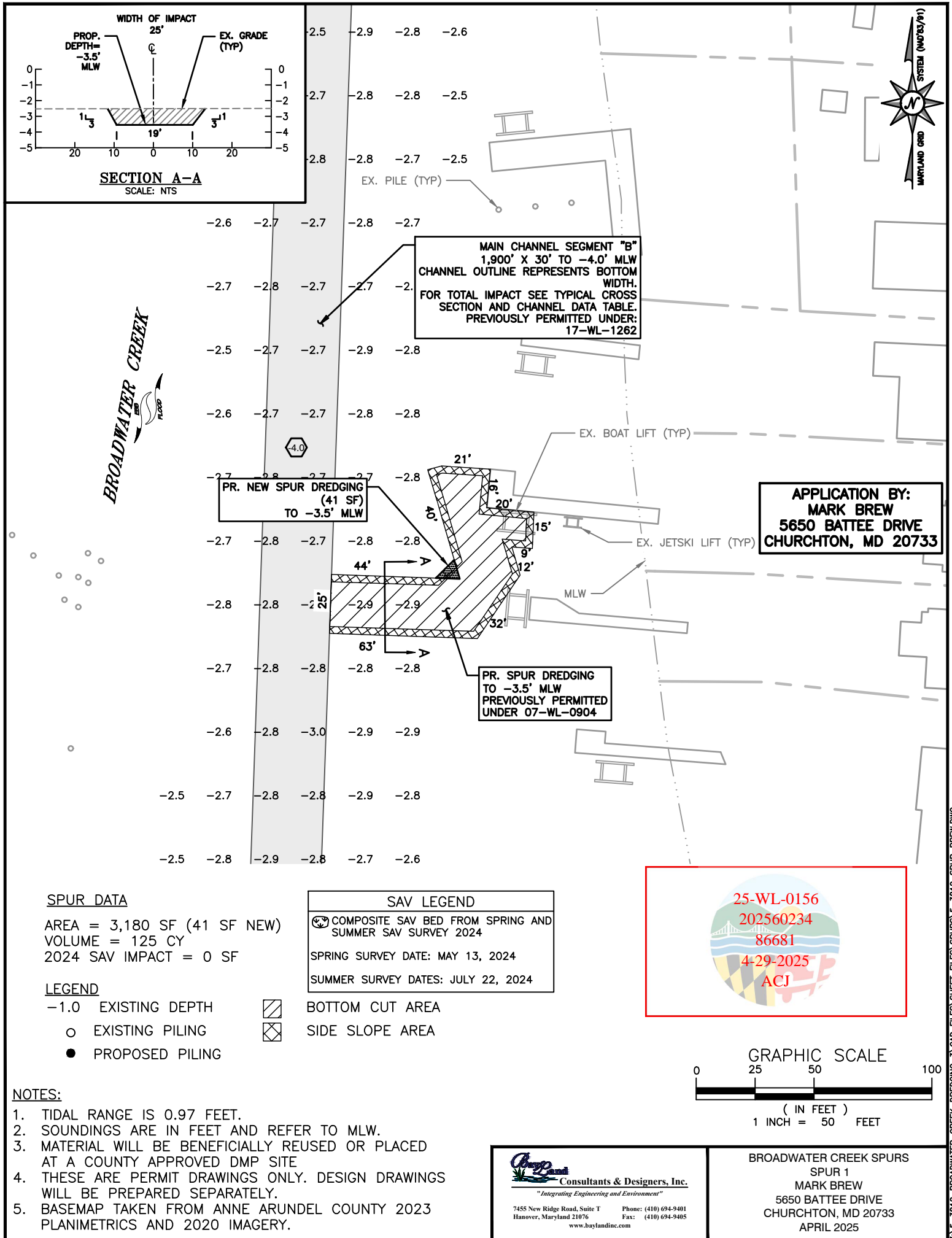
NOTES:

1. TIDAL RANGE IS 0.97 FEET.
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BROADWATER CREEK SPURS
SPUR 2
JOSEPH SEGRET
5619 GUNNER RUN ROAD
CHURCHTON, MD 20733
APRIL 2025



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

APPLICATION BY:
MARK BREW
5650 BATTEE DRIVE
CHURCHTON, MD 20733

SPUR DATA

AREA = 3,180 SF (41 SF NEW)
VOLUME = 125 CY
2024 SAV IMPACT = 0 SF

LEGEND

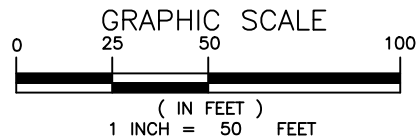
- | | | | |
|------|-----------------|--|-----------------|
| -1.0 | EXISTING DEPTH | | BOTTOM CUT AREA |
| ○ | EXISTING PILING | | SIDE SLOPE AREA |
| ● | PROPOSED PILING | | |

SAV LEGEND	
	COMPOSITE SAV BED FROM SPRING AND SUMMER SAV SURVEY 2024
SPRING SURVEY DATE: MAY 13, 2024	
SUMMER SURVEY DATES: JULY 22, 2024	

25-WL-0156
202560234
86681
4-29-2025
ACJ

NOTES:

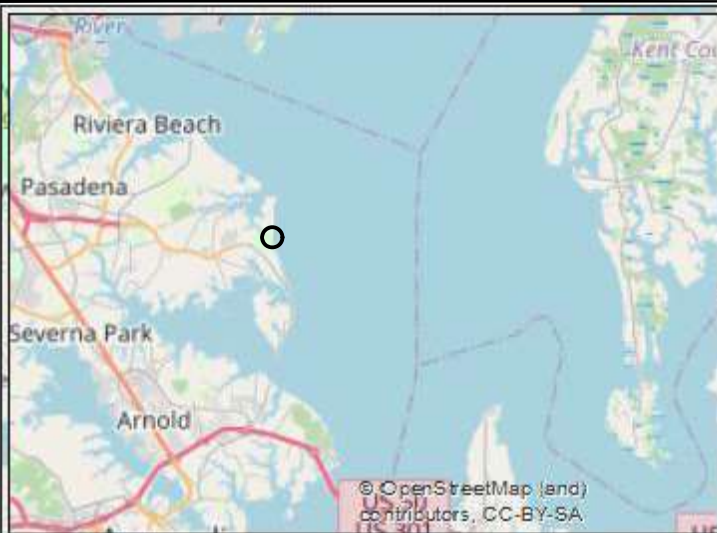
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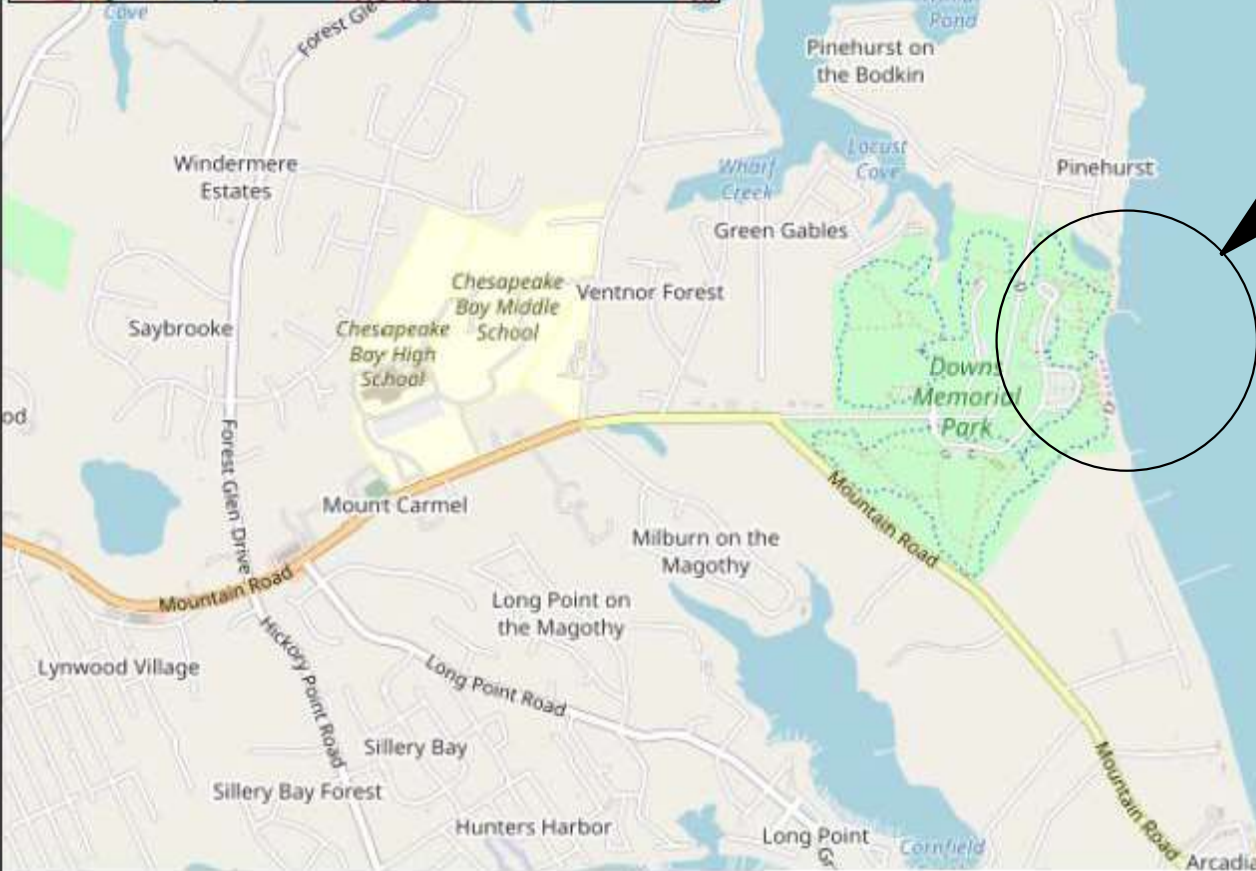
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BROADWATER CREEK SPURS
SPUR 1
MARK BREW
5650 BATTEE DRIVE
CHURCHTON, MD 20733
APRIL 2025

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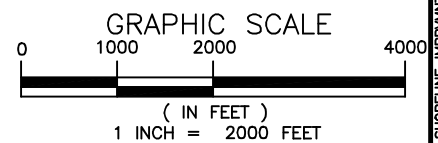


SITE

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DOWNS PARK SHORELINE IMPROVEMENTS ANNE ARUNDEL COUNTY

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

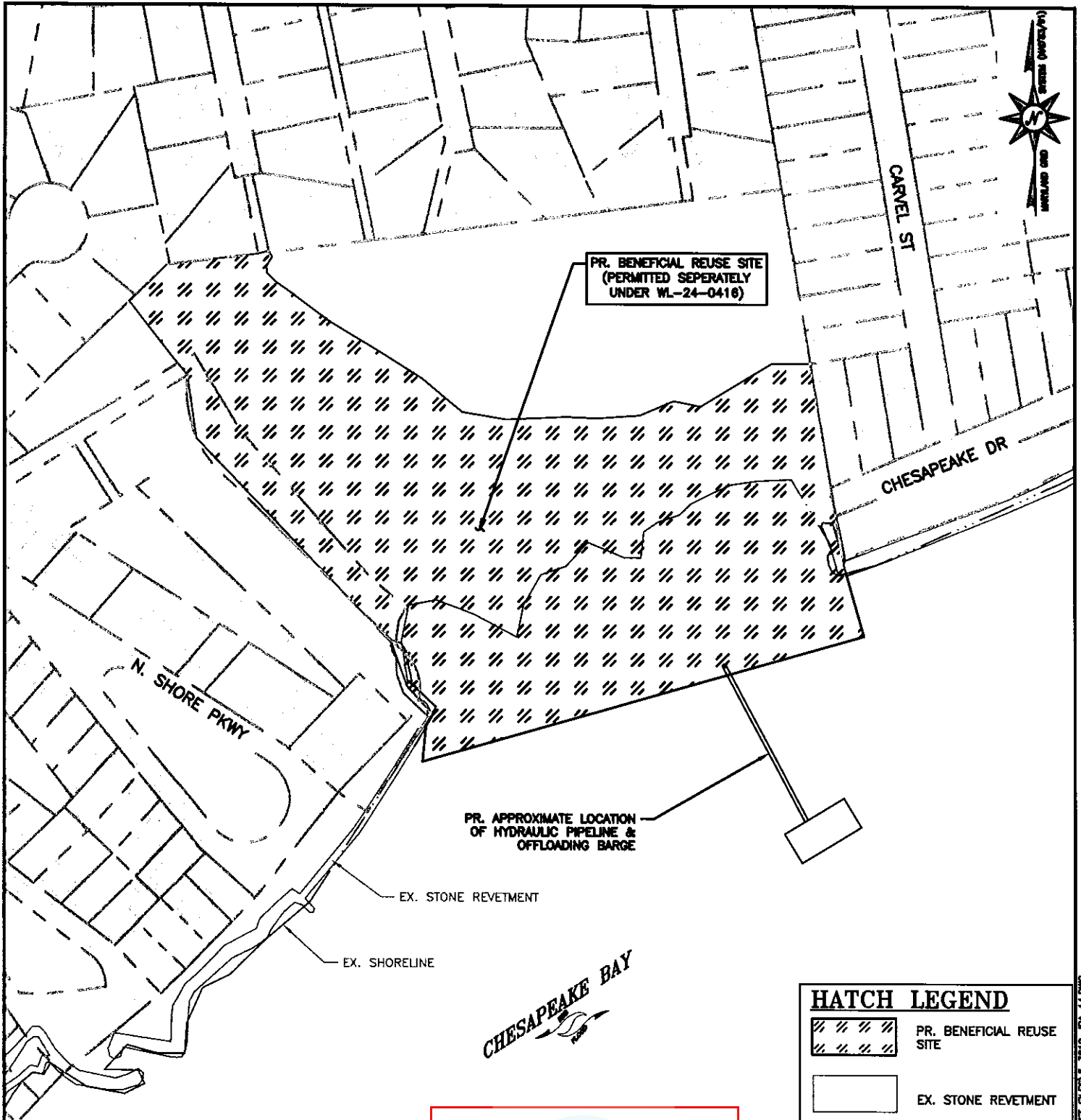


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VICINITY MAP sheet 1 of 14

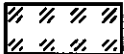

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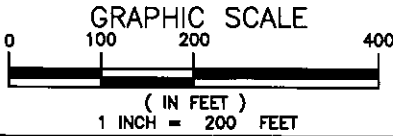
BROADWATER CREEK
MAINTENANCE DREDGING
AT
ANNE ARUNDEL
COUNTY

25-WL-0137 / 25-WQC-0027
202560200
159735
6-17-2025
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HATCH LEGEND	
	PR. BENEFICIAL REUSE SITE
	EX. STONE REVETMENT

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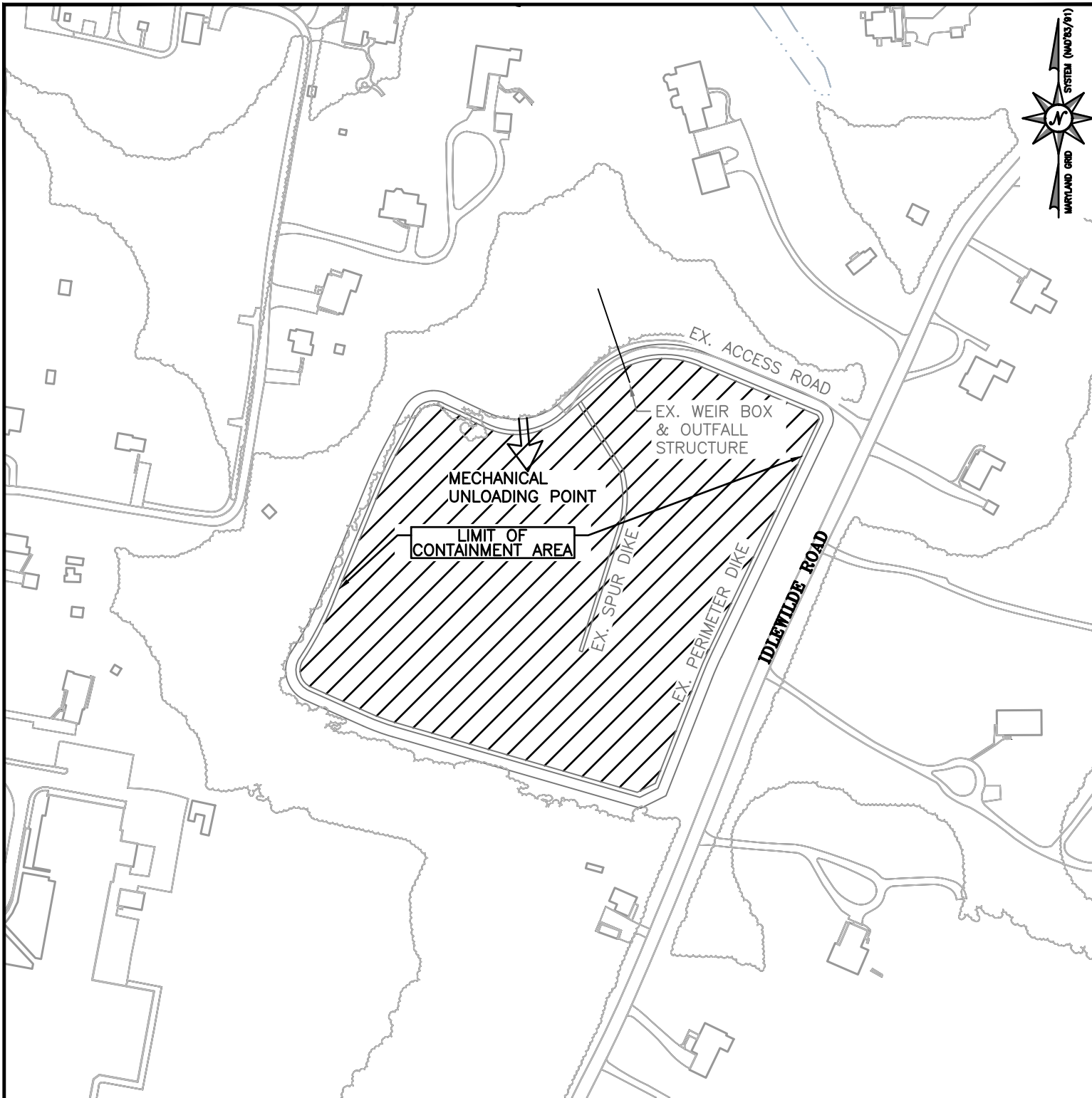
BENEFICIAL REUSE SITE



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Z:\312 BROADWATER CREEK DREDGING\312 CAD FILES\312 SHEET FILES\312 JPL 14.DWG

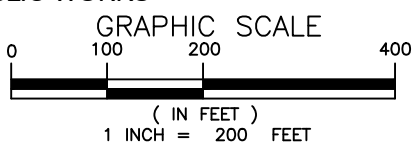


BROADWATER CREEK
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AT
ANNE ARUNDEL
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IDLEWILDE DMP SITE



NOTE:
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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

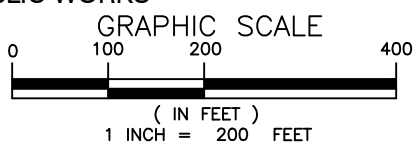
159735

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SOUTH COUNTY DMP SITE



NOTE:
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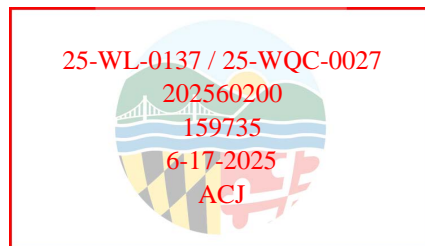
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CHANNEL DETAILS				
SEGMENT	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	VOLUME (CY)
A	3,145	40	-4.5'	11,284
B	1,900	30	-4.0'	3,749
C	2,230	30	-4.0'	4,363
TOTAL MAIN CHANNEL LENGTH				7,275 LF
TOTAL MAIN CHANNEL VOLUME				19,396 CY
TOTAL MAIN CHANNEL AREA OF 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**



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CHANNEL DETAILS

