



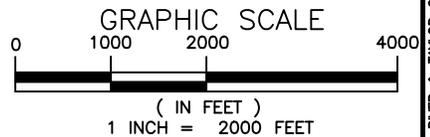
**GUNPOWDER RIVER MAINTENANCE
DREDGING
AT
HARFORD COUNTY**

APPL. BY: HARFORD COUNTY DEPARTMENT OF PARKS & RECREATION

VICINITY MAP

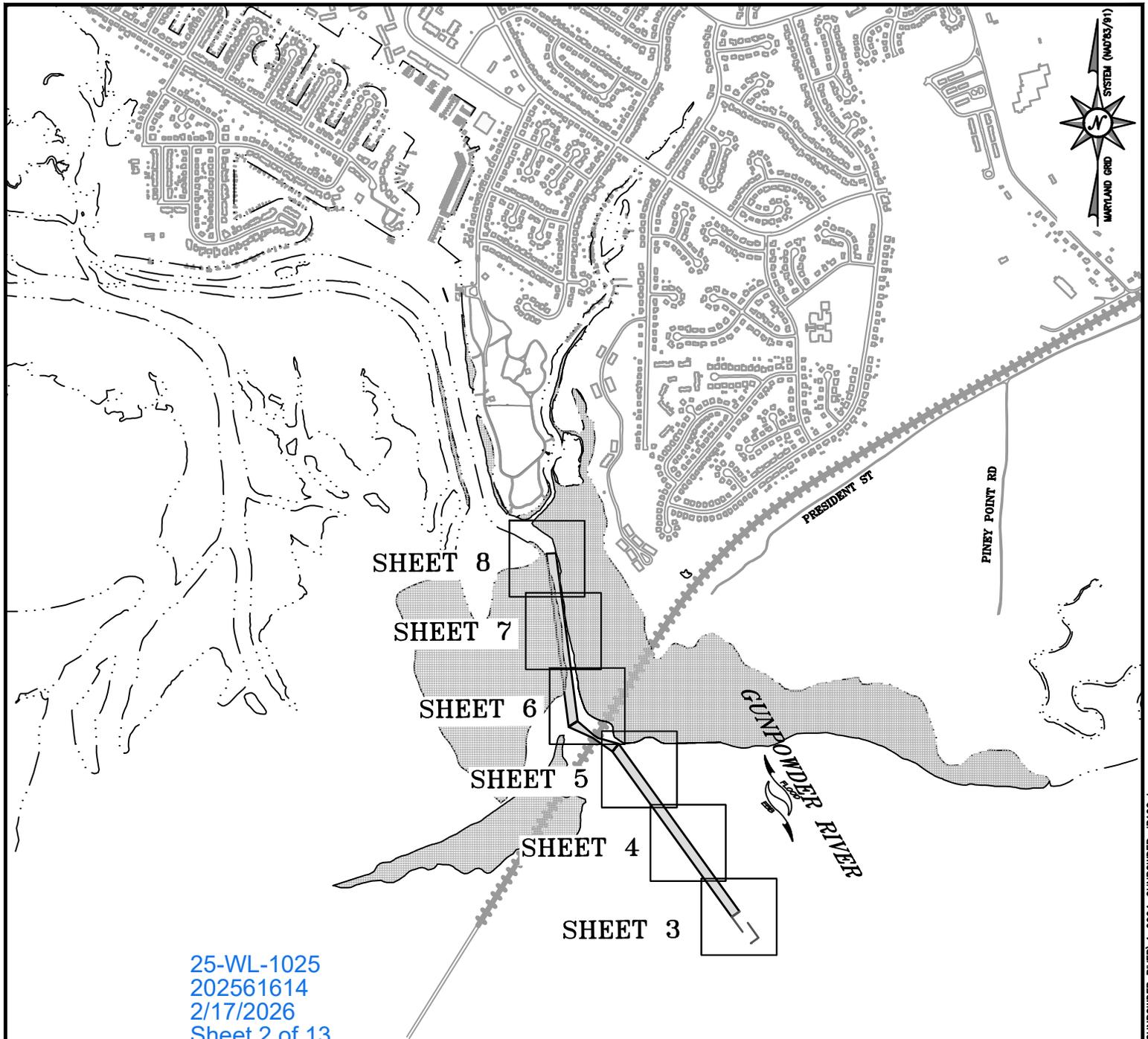
DATE: FEBRUARY 2026 SHEET 1 OF 12

25-WL-1025
202561614
2/17/2026
Sheet 1 of 13



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"Integrating Engineering and Environment"

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Hanover, Maryland 21076 Fax: (410) 694-9405
www.baylandinc.com



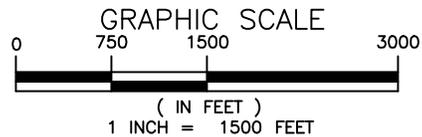
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 202561614
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 Sheet 2 of 13

**GUNPOWDER RIVER MAINTENANCE
 DREDGING
 AT
 HARFORD COUNTY**

APPL. BY: HARFORD COUNTY DEPARTMENT OF PARKS & RECREATION

KEY SHEET

DATE: FEBRUARY 2026 SHEET 2 OF 12



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MATCHLINE REFER TO SHEET 4



GUNPOWDER RIVER MAIN CHANNEL SEGMENT "A"
2,535' X 100' TO -5.5' MLW
CHANNEL OUTLINE REPRESENTS BOTTOM WIDTH.
FOR TOTAL IMPACT SEE TYPICAL CROSS
SECTION AND CHANNEL DATA TABLE.
PREVIOUSLY PERMITTED UNDER:
16-WL-0145

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Sheet 3 of 13



PREVIOUSLY DREDGED AND PERMITTED UNDER:
16-WL-0145. NOT BEING DREDGED.

LEGEND

-  PREVIOUSLY DREDGED CHANNEL
-  PROPOSED COUNTY CHANNEL
- 3.6 SOUNDINGS
-  PROPOSED CHANNEL DEPTH
-  EXISTING SHORELINE
-  APPROX. PROPERTY LINES
-  EXISTING BOAT LIFT
-  EXISTING PILING

SAV LEGEND

 2019-2023 COMPOSITE SAV BED FROM VIMS INTERACTIVE SAV MAP (50,558 SF OF IMPACT)

NOTE: NO PREVIOUS SAV IMPACTS. THIS IS MAINTENANCE DREDGING ONLY AND HAS NOT REQUIRED MITIGATION.

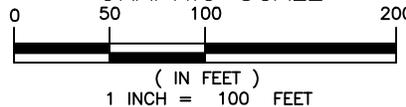
GUNPOWDER RIVER MAINTENANCE DREDGING AT HARFORD COUNTY

APPL. BY: HARFORD COUNTY DEPARTMENT OF PARKS & RECREATION

CHANNEL PLANS

DATE: FEBRUARY 2026 SHEET 3 OF 12

GRAPHIC SCALE



NOTE: BASEMAP TAKEN FROM HARFORD COUNTY 2016 PLANIMETRICS AND 2020 IMAGERY.

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MATCHLINE REFER TO SHEET 5



GUNPOWDER RIVER MAIN CHANNEL SEGMENT "A"
2,535' X 100' TO -5.5' MLW
CHANNEL OUTLINE REPRESENTS BOTTOM WIDTH.
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MATCHLINE REFER TO SHEET 3

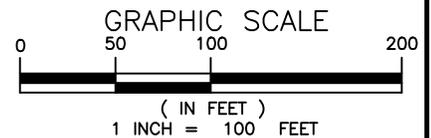
GUNPOWDER RIVER MAINTENANCE DREDGING AT HARFORD COUNTY

APPL. BY: HARFORD COUNTY DEPARTMENT OF PARKS & RECREATION

CHANNEL PLANS

DATE: FEBRUARY 2026 SHEET 4 OF 12

| SAV LEGEND | |
|---|---|
| | 2019-2023 COMPOSITE SAV BED FROM VIMS INTERACTIVE SAV MAP (50,558 SF OF IMPACT) |
| NOTE: NO PREVIOUS SAV IMPACTS. THIS IS MAINTENANCE DREDGING ONLY AND HAS NOT REQUIRED MITIGATION. | |

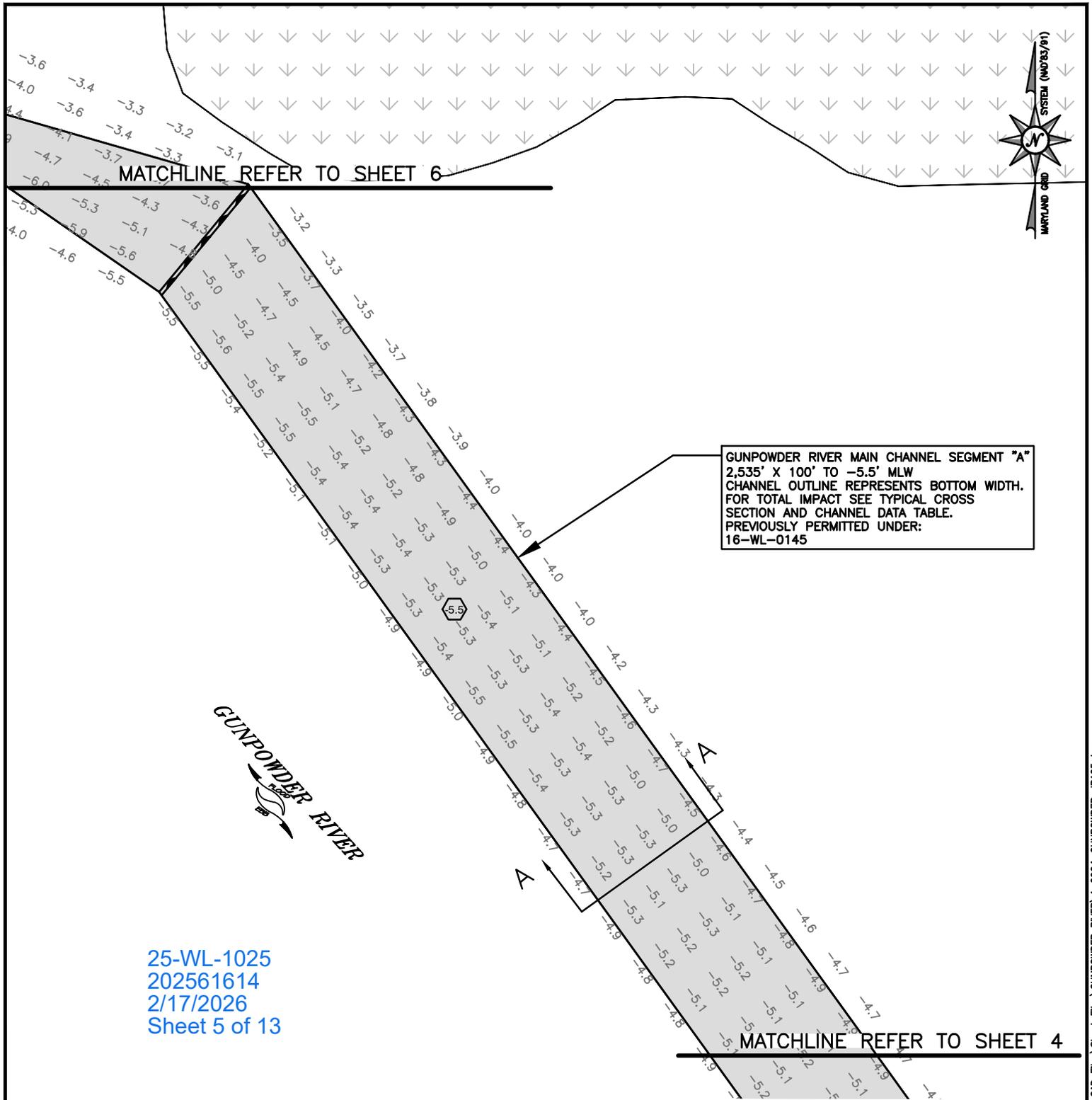


NOTE:
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GUNPOWDER RIVER MAIN CHANNEL SEGMENT "A"
 2,535' X 100' TO -5.5' MLW
 CHANNEL OUTLINE REPRESENTS BOTTOM WIDTH.
 FOR TOTAL IMPACT SEE TYPICAL CROSS
 SECTION AND CHANNEL DATA TABLE.
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**GUNPOWDER RIVER MAINTENANCE
 DREDGING
 AT
 HARFORD COUNTY**

APPL. BY: HARFORD COUNTY DEPARTMENT OF PARKS & RECREATION

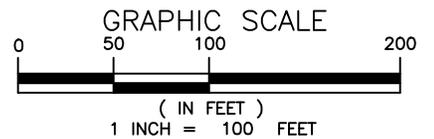
CHANNEL PLANS

DATE: FEBRUARY 2026 SHEET 5 OF 12

SAV LEGEND

2019-2023 COMPOSITE SAV BED FROM VIMS INTERACTIVE SAV MAP (50,558 SF OF IMPACT)

NOTE: NO PREVIOUS SAV IMPACTS. THIS IS MAINTENANCE DREDGING ONLY AND HAS NOT REQUIRED MITIGATION.



NOTE:
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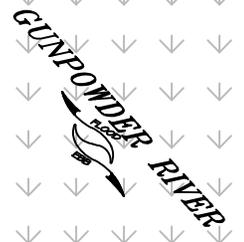
MATCHLINE REFER TO SHEET 7



GUNPOWDER RIVER MAIN CHANNEL SEGMENT "C"
1,850' X 100' TO -5.5' MLW
CHANNEL OUTLINE REPRESENTS BOTTOM WIDTH.
FOR TOTAL IMPACT SEE TYPICAL CROSS
SECTION AND CHANNEL DATA TABLE.
PREVIOUSLY PERMITTED UNDER:
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EX. BRIDGE



MATCHLINE REFER TO SHEET 5

GUNPOWDER RIVER MAIN CHANNEL SEGMENT "B"
540' X 30'-100' TO -6.5' MLW
CHANNEL OUTLINE REPRESENTS BOTTOM WIDTH.
FOR TOTAL IMPACT SEE TYPICAL CROSS
SECTION AND CHANNEL DATA TABLE.
PREVIOUSLY PERMITTED UNDER:
16-WL-0145

SAV LEGEND

 2019-2023 COMPOSITE SAV BED FROM VIMS INTERACTIVE SAV MAP (50,558 SF OF IMPACT)

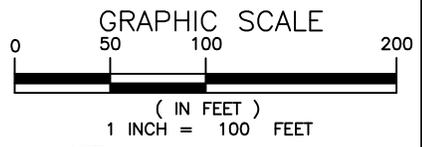
NOTE: NO PREVIOUS SAV IMPACTS. THIS IS MAINTENANCE DREDGING ONLY AND HAS NOT REQUIRED MITIGATION.

GUNPOWDER RIVER MAINTENANCE DREDGING AT HARFORD COUNTY

APPL. BY: HARFORD COUNTY DEPARTMENT OF PARKS & RECREATION

CHANNEL PLANS

DATE: FEBRUARY 2026 SHEET 6 OF 12



NOTE: BASEMAP TAKEN FROM HARFORD COUNTY 2016 PLANIMETRICS AND 2020 IMAGERY.

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MATCHLINE REFER TO SHEET 8



GUNPOWDER RIVER MAIN CHANNEL SEGMENT "C"
1,850' X 100' TO -5.5' MLW
CHANNEL OUTLINE REPRESENTS BOTTOM WIDTH.
FOR TOTAL IMPACT SEE TYPICAL CROSS
SECTION AND CHANNEL DATA TABLE.
PREVIOUSLY PERMITTED UNDER:
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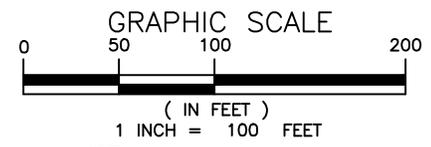
GUNPOWDER RIVER

MATCHLINE REFER TO SHEET 6

SAV LEGEND

2019-2023 COMPOSITE SAV BED
FROM VIMS INTERACTIVE SAV MAP
(50,558 SF OF IMPACT)

NOTE: NO PREVIOUS SAV IMPACTS.
THIS IS MAINTENANCE DREDGING ONLY
AND HAS NOT REQUIRED MITIGATION.



GUNPOWDER RIVER MAINTENANCE
DREDGING
AT
HARFORD COUNTY

APPL. BY: HARFORD COUNTY DEPARTMENT OF PARKS & RECREATION

CHANNEL PLANS

DATE: FEBRUARY 2026 SHEET 7 OF 12

NOTE:
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MATCHLINE REFER TO SHEET 9

TAYLOR CREEK (PERMITTED SEPARATELY)



GUNPOWDER ROD AND GUN CLUB LLC
PEVERLEY ISLAND 3
JOPPA MD 21085

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EX. SHORELINE

GUNPOWDER RIVER MAIN CHANNEL SEGMENT "C"
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CHANNEL OUTLINE REPRESENTS BOTTOM WIDTH.
FOR TOTAL IMPACT SEE TYPICAL CROSS
SECTION AND CHANNEL DATA TABLE.
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GUNPOWDER RIVER

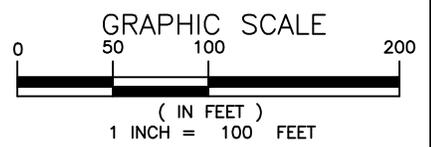
MATCHLINE REFER TO SHEET 7

GUNPOWDER RIVER MAINTENANCE DREDGING AT HARFORD COUNTY

SAV LEGEND

 2019-2023 COMPOSITE SAV BED FROM VIMS INTERACTIVE SAV MAP (50,558 SF OF IMPACT)

NOTE: NO PREVIOUS SAV IMPACTS. THIS IS MAINTENANCE DREDGING ONLY AND HAS NOT REQUIRED MITIGATION.



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CHANNEL PLANS

DATE: FEBRUARY 2026 SHEET 8 OF 12

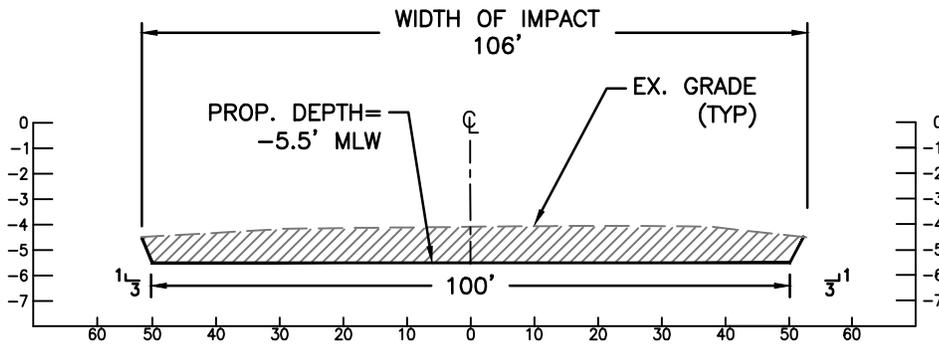
NOTE:
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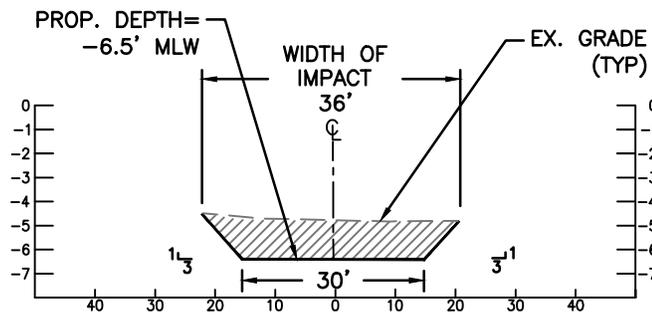
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SECTION A-A

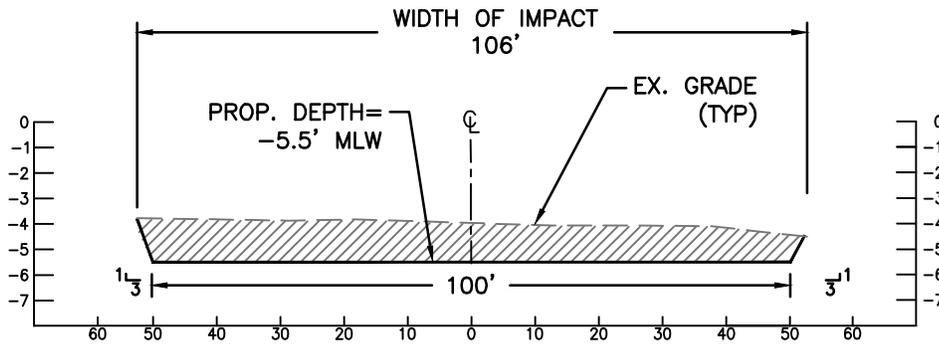
SCALE: NTS

25-WL-1025
202561614
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SECTION B-B

SCALE: NTS



SECTION C-C

SCALE: NTS

GUNPOWDER RIVER MAINTENANCE DREDGING AT HARFORD COUNTY

APPL. BY: HARFORD COUNTY DEPARTMENT OF PARKS & RECREATION

CROSS SECTIONS

DATE: FEBRUARY 2026 SHEET 9 OF 12

GUNPOWDER RIVER CHANNEL DETAILS

| SEGMENT | LENGTH (FT) | WIDTH (FT) | DEPTH (FT) | VOLUME (CY) |
|---|-------------|--------------------|------------|-----------------------|
| A | 2,193 | 100 | -5.5 | 3,076 |
| B | 540 | VARIES (30-100) | -6.5 | 2,264 |
| C | 1850 | 100 | -5.5 | 7,331 |
| TOTAL MAIN CHANNEL LENGTH | | | | 4,583 LF |
| TOTAL MAIN CHANNEL VOLUME | | | | 12,671 CY |
| TOTAL MAIN CHANNEL AREA OF IMPACT | | | | 464,779 SF = 10.67 AC |
| TOTAL NEW AREA OF DREDGING | | | | 0 SF = 0.0 AC |
| TOTAL MAIN CHANNEL AREA OF IMPACT TO VIMS SAV 2019-2023 COMPOSITE | | | | 50,558 SF = 1.16 AC |

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 Sheet 10 of 13

NOTES:

1. BASEMAP COMPILED FROM HARFORD COUNTY 2016 PLANIMETRICS AND 2020 IMAGERY.
2. TIDAL RANGE IS 1.0 FEET.
3. BATHYMETRY FROM BAYLAND SURVEY DATED OCTOBER 2, 2025.
4. SOUNDINGS ARE IN FEET AND REFER TO MLW.
5. THE GUNPOWDER RIVER ENTRANCE CHANNEL PROPOSED FOR MAINTENANCE DREDGING WAS PREVIOUSLY PERMITTED UNDER MDE PERMIT 16-WL-0145/ USACE PERMIT NAB-2016-60250-M18.
6. THESE ARE PERMIT DRAWINGS ONLY. DESIGN DRAWINGS WILL BE PREPARED SEPARATELY.

GUNPOWDER RIVER MAINTENANCE DREDGING AT HARFORD COUNTY

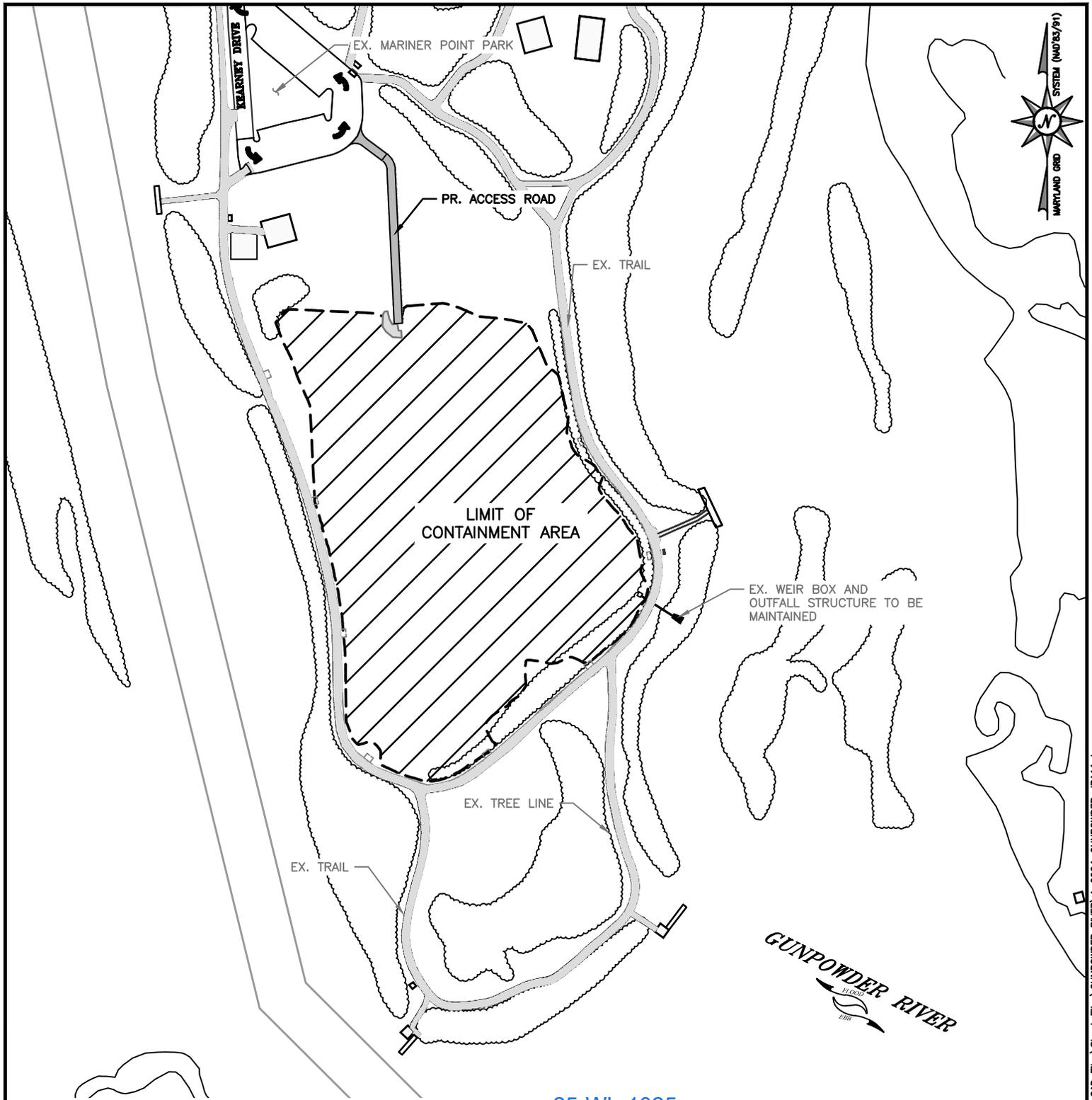
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CHANNEL DETAILS

DATE: FEBRUARY 2026 SHEET 10 OF 12



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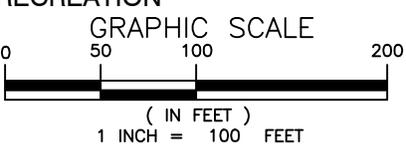
**GUNPOWDER RIVER MAINTENANCE
DREDGING
AT
HARFORD COUNTY**

APPL. BY: HARFORD COUNTY DEPARTMENT OF PARKS & RECREATION

MARINER POINT PARK DMP SITE

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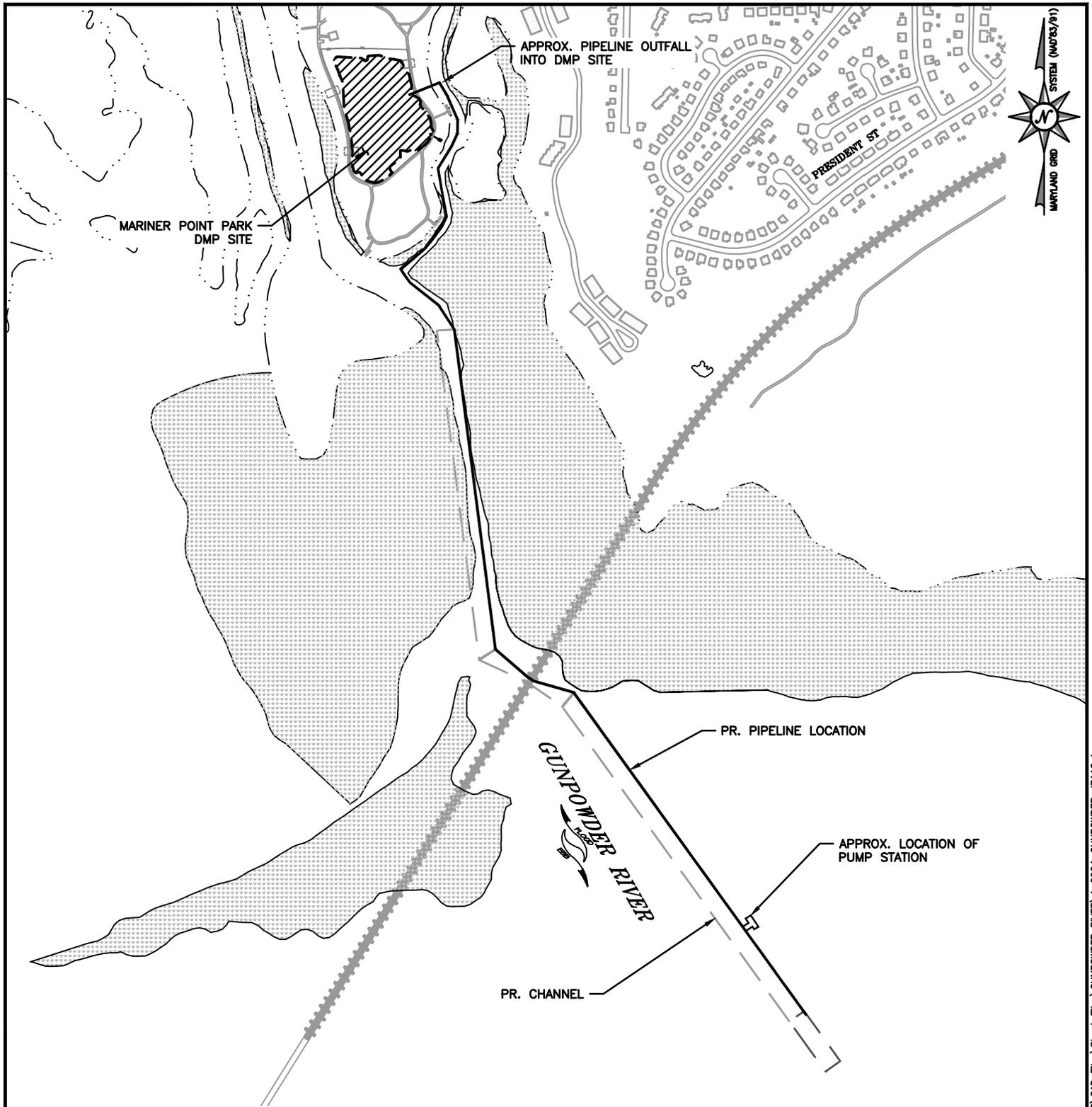


NOTE:
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PLANIMETRICS AND 2020 IMAGERY.

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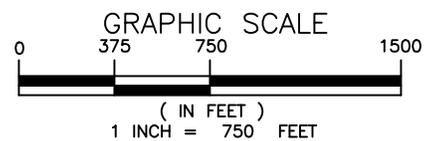
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**GUNPOWDER RIVER MAINTENANCE
 DREDGING
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APPL. BY: HARFORD COUNTY DEPARTMENT OF PARKS & RECREATION

PIPELINE LOCATION

DATE: FEBRUARY 2026 SHEET 12 OF 12



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ROBERT G. CASSILLY
Harford County Executive

ROBERT S. McCORD
Director of Administration



PAUL MAGNESS
Director of Parks & Recreation

TERENCE O. HANLEY
Deputy Director of Parks & Recreation

November 4, 2025

MDE/Water and Science Administration
Regulatory Services Section
Montgomery Park Business Center – STE 430
1800 Washington Boulevard
Baltimore, Maryland 21230-1708

25-WL-1025
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Sheet 13 of 13

RE: HARFORD COUNTY WATERWAY IMPROVEMENT
MARINER POINT PARK DMP SITE – GUNPOWDER RIVER & TAYLOR CREEK MAINTENANCE
DREDGING

To whom it may concern:

The Mariner Point Park Dredge Material Placement (DMP) Site located on Gunpowder River in Joppatowne, Maryland is a previously approved placement site owned and operated by the Harford County Department of Parks and Recreation. The Mariner Point Park DMP Site has been scheduled for hydraulic or mechanical dredge material placement from the Gunpowder River & Taylor Creek maintenance dredging project. This includes 10,203 LF (845,759 SF, approx. 16,472 CY), of the main channel. The current capacity of the Mariner Point Park DMP Site is approximately 44,000 cubic yards.

If there are any additional questions regarding the DMP site, please contact Chris Rager at Bayland Consultants & Designers, Inc. or myself.

Please feel free to contact my office directly with any questions, I can be reached at 410-638-3570 X7639.

Sincerely,

A handwritten signature in blue ink, appearing to read "Paul S. Magness", with a long horizontal flourish extending to the right.

Paul S. Magness, Director
Harford County Department of Parks & Recreation

PSM:rs