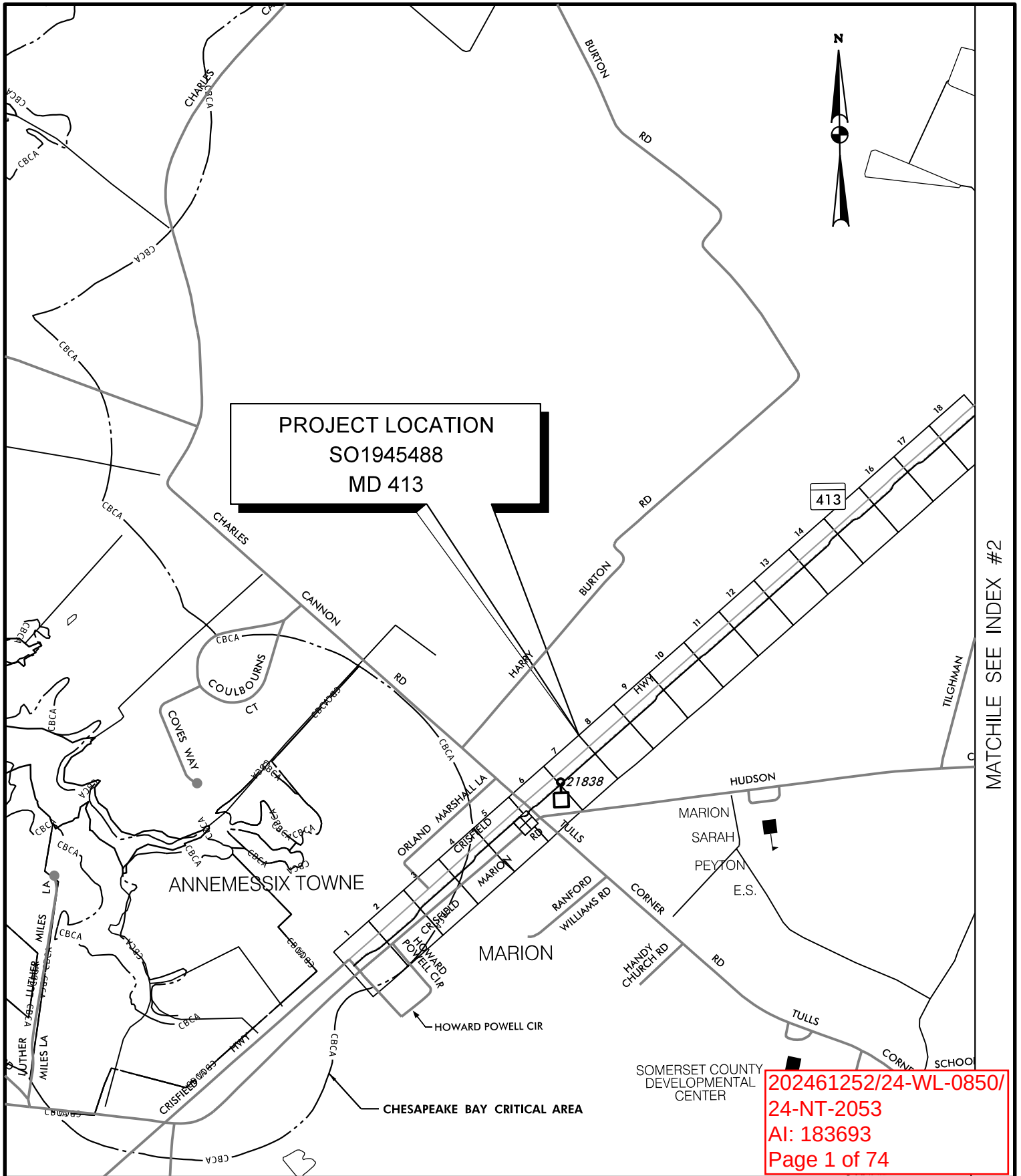




MD 413 BIKE PATH FROM DAVIS
LANE TO 1000 FT. NORTH OF BIG
ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B



BRUDIS & ASSOCIATES, INC.
Consulting Engineers
11000 Broken Land Parkway, Suite 450
Columbia, Maryland 21044
Phone 410-884-3607
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PLAN VIEW

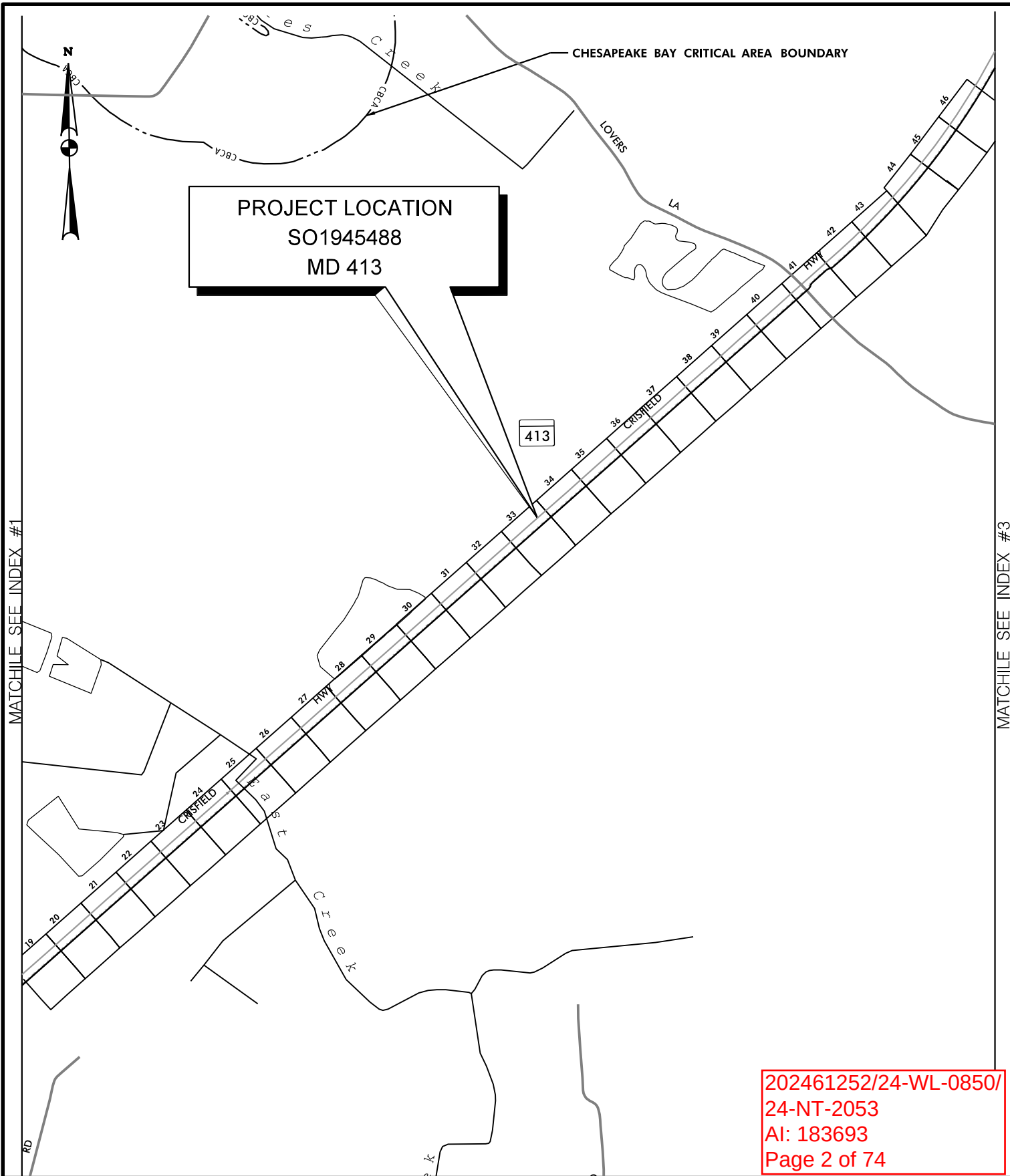


SCALE: 1" = 1000'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE INDEX SHEET
SUMMARY SHEET 1 OF 3
JUNE 2025



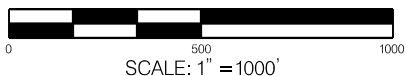
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24-NT-2053
AI: 183693
Page 2 of 74

MD 413 BIKE PATH FROM DAVIS
LANE TO 1000 FT. NORTH OF BIG
ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B



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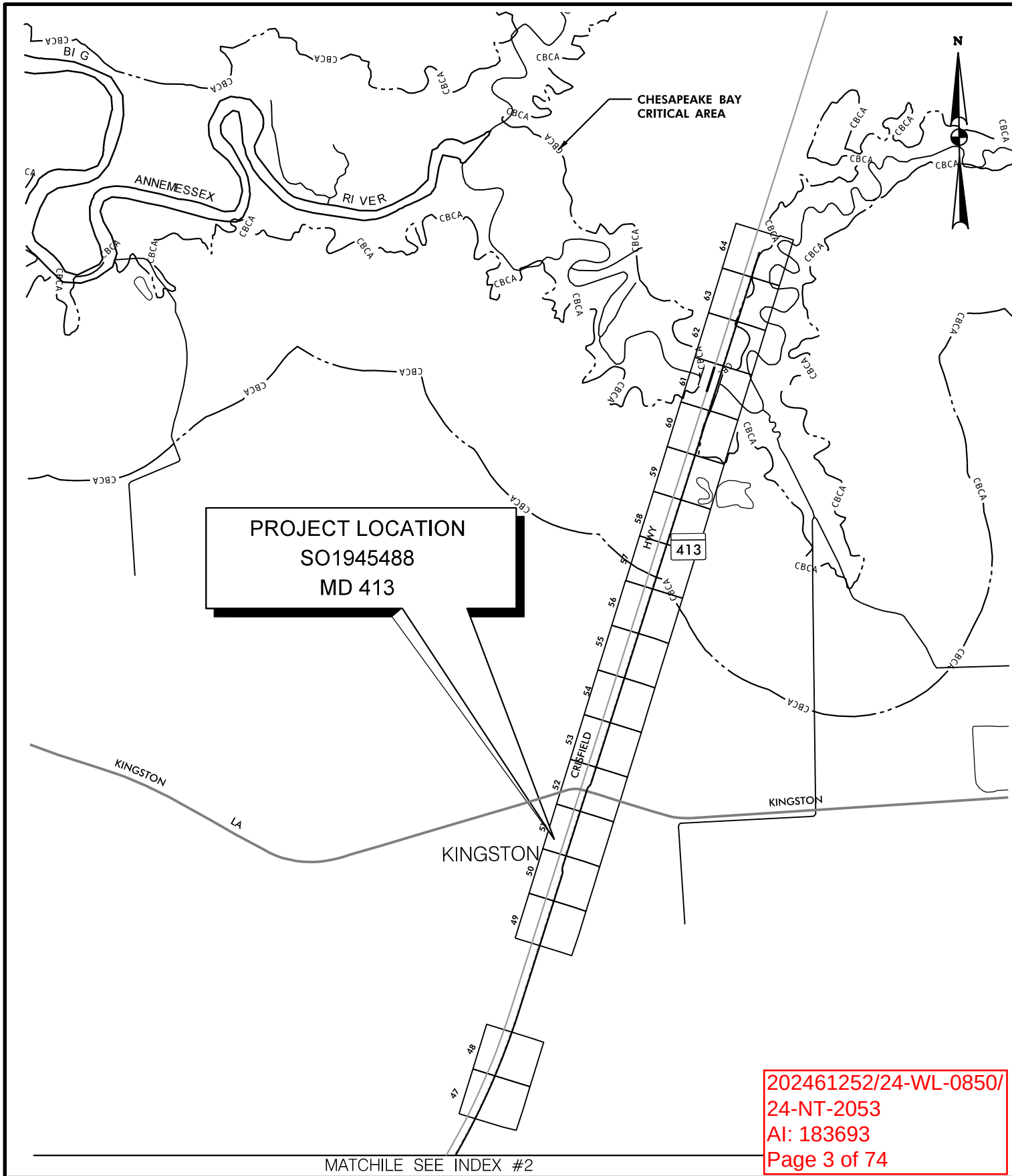
PLAN VIEW



MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
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APPLICATION BY: MDOT SHA
IMPACT PLATE INDEX SHEET
SUMMARY SHEET 2 OF 3
JUNE 2025



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AI: 183693
Page 3 of 74

MD 413 BIKE PATH FROM DAVIS
LANE TO 1000 FT. NORTH OF BIG
ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B

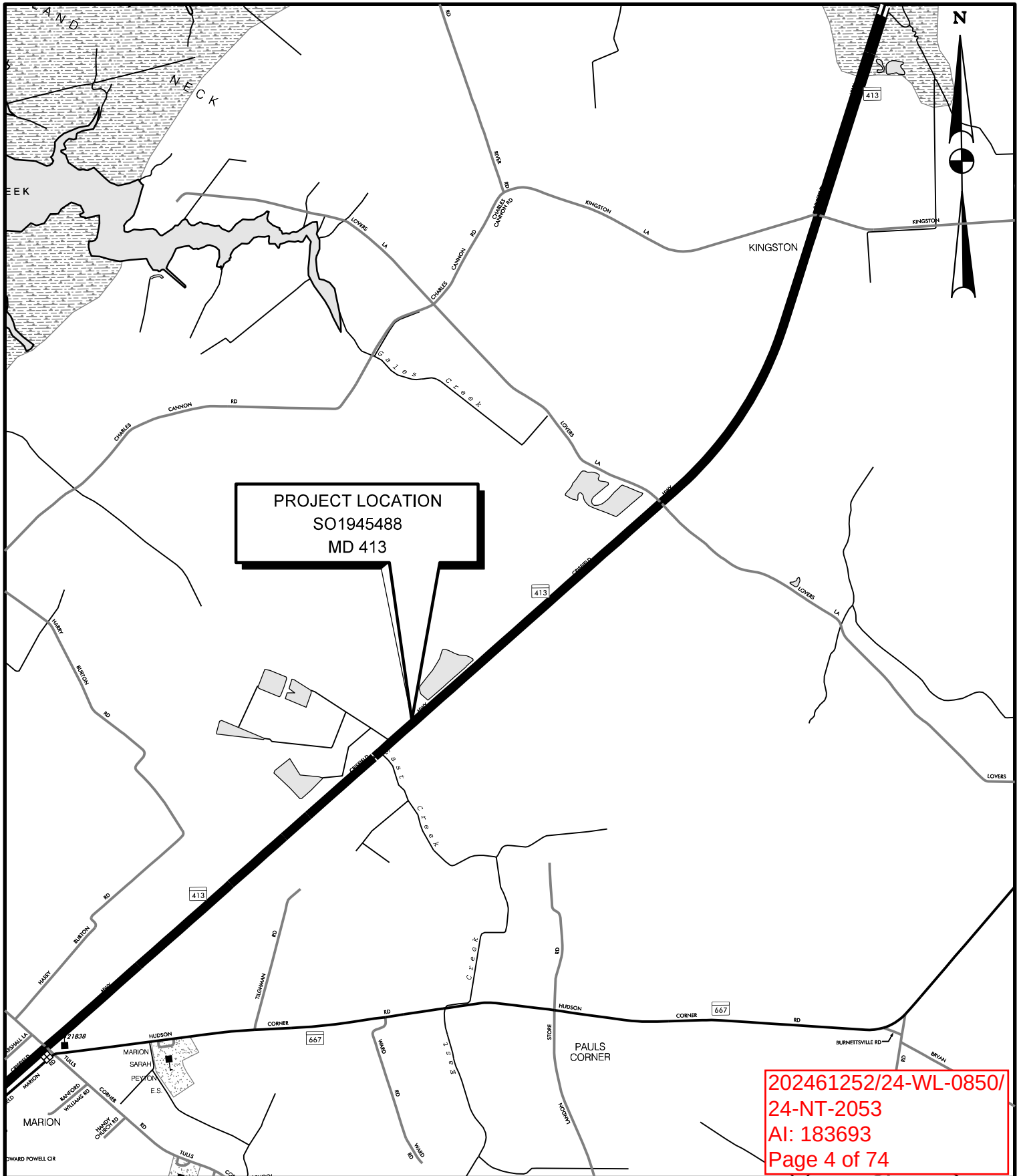


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CONTRACT NO.: SO1945488
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APPLICATION BY: MDOT SHA
IMPACT PLATE INDEX SHEET
SUMMARY SHEET 3 OF 3
JUNE 2025



PROJECT LOCATION
SO1945488
MD 413

202461252/24-WL-0850/
24-NT-2053
AI: 183693
Page 4 of 74

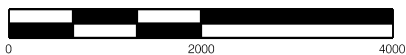
MD 413 BIKE PATH FROM DAVIS LANE
TO 1000 FT. NORTH OF BIG
ANNESSEX RIVER BRIDGE - PHASE
2A&2B



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PLAN VIEW



SCALE: 1" = 2000'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
LOCATION MAP
JUNE 2025

MDE SUMMARY OF IMPACTS

SUMMARY OF IMPACT (MDE):

TOTAL TEMPORARY NONTIDAL PEM WETLANDS AREA: 104,032 SF
TOTAL PERMANENT NONTIDAL PEM WETLANDS AREA: 10,754 SF
TOTAL TEMPORARY NONTIDAL PFO WETLANDS AREA: 13,604 SF
TOTAL PERMANENT NONTIDAL PFO WETLANDS AREA: 1,114 SF
TOTAL TEMPORARY NONTIDAL PSS WETLAND AREA: 7,327 SF
TOTAL PERMANENT NONTIDAL PSS WETLAND AREA: 3,823 SF
TOTAL TEMPORARY NONTIDAL WETLAND BUFFER AREA: 260,995 SF
TOTAL PERMANENT NONTIDAL WETLAND BUFFER AREA: 276,231 SF
TOTAL TEMPORARY TIDAL WETLANDS AREA: 817 SF
TOTAL PERMANENT TIDAL WETLANDS AREA: 738 SF
TOTAL TEMPORARY TIDAL STREAM (WUS) AREA: 2,144 SF
TOTAL TEMPORARY TIDAL STREAM (WUS) LENGTH: 77 LF
TOTAL PERMANENT TIDAL STREAM (WUS) AREA: 570 SF
TOTAL PERMANENT TIDAL STREAM (WUS) LENGTH: 69 LF

SUMMARY OF PERMANENT NONTIDAL WETLAND IMPACTS WITHIN CHESAPEAKE BAY CRITICAL AREA:

TOTAL NONTIDAL PEM WETLAND IMPACTS: 0 SF
TOTAL NONTIDAL PFO WETLAND IMPACTS: 5 SF
TOTAL NONTIDAL PSS WETLAND IMPACTS: 3,803 SF

SUMMARY OF IMPACTS BY WATERSHED:

POCOMOKE SOUND WATERSHED (02130201)

TEMP. NONTIDAL PEM WETLANDS AREA: 81,680 SF
PERM. NONTIDAL PEM WETLANDS AREA: 1,867 SF
TEMP. NONTIDAL PFO WETLANDS AREA: 2,241 SF
PERM NONTIDAL PFO WETLANDS AREA: 0 SF
TEMP NONTIDAL PSS WETLAND AREA: 4,789 SF
PERM NONTIDAL PSS WETLAND AREA: 20 SF
TEMP. NONTIDAL WETLAND BUFFER AREA: 179,365 SF
PERM. NONTIDAL WETLAND BUFFER AREA: 171,121 SF
TEMP TIDAL ESS WETLANDS AREA: 0 SF
PERM TIDAL ESS WETLANDS AREA: 0 SF
TEMP TIDAL STREAM (WUS) AREA: 0 SF
TEMP TIDAL STREAM (WUS) LENGTH: 0 LF
PERM TIDAL STREAM (WUS) AREA: 0 SF
PERM TIDAL STREAM (WUS) LENGTH: 0 LF

BIG ANNEMESSEX RIVER WATERSHED (02130207)

TEMP. NONTIDAL PEM WETLANDS AREA: 22,352 SF
PERM. NONTIDAL PEM WETLANDS AREA: 8,887 SF
TEMP. NONTIDAL PFO WETLANDS AREA: 11,363 SF
PERM NONTIDAL PFO WETLANDS AREA: 1,114 SF
TEMP NONTIDAL PSS WETLAND AREA: 2,538 SF
PERM NONTIDAL PSS WETLAND AREA: 3,803 SF
TEMP. NONTIDAL WETLAND BUFFER AREA: 81,630 SF
PERM. NONTIDAL WETLAND BUFFER AREA: 105,110 SF
TEMP TIDAL ESS WETLANDS AREA: 814 SF
PERM TIDAL ESS WETLANDS AREA: 738 SF
TEMP TIDAL STREAM (WUS) AREA: 2,144 SF
TEMP TIDAL STREAM (WUS) LENGTH: 77 LF
PERM TIDAL STREAM (WUS) AREA: 570 SF
PERM TIDAL STREAM (WUS) LENGTH: 69 LF

USACE SUMMARY OF IMPACTS

TOTAL WETLAND LOSS (USACE): 7,759 SF

SUMMARY OF IMPACT (USACE):

LOSS (USACE):

NONTIDAL PEM WETLANDS AREA LOSS: 6,753 SF
NONTIDAL PFO WETLANDS AREA LOSS: 870 SF
NONTIDAL PSS WETLANDS AREA LOSS: 136 SF
TIDAL WETLANDS AREA LOSS: 0 SF

PERMANENT IMPACTS (USACE):

NONTIDAL PEM WETLANDS AREA: 33,602 SF
NONTIDAL PFO WETLANDS AREA: 5,608 SF
NONTIDAL PSS WETLANDS AREA: 5,325 SF
TIDAL ESS WETLANDS AREA: 738 SF
TIDAL WATERS AREA: 570 SF

TEMPORARY IMPACTS (USACE):

NONTIDAL PEM WETLANDS AREA: 74,431 SF
NONTIDAL PFO WETLANDS AREA: 8,240 SF
NONTIDAL PSS WETLANDS AREA: 5,689 SF
TIDAL ESS WETLANDS AREA: 814 SF
TIDAL WATERS AREA: 2,144 SF

SUMMARY OF PERMANENT NONTIDAL WETLAND IMPACTS WITHIN CHESAPEAKE BAY CRITICAL AREA:

TOTAL NONTIDAL PEM WETLAND IMPACTS: 9 SF
TOTAL NONTIDAL PFO WETLAND IMPACTS: 6,929 SF
TOTAL NONTIDAL PSS WETLAND IMPACTS: 3,803 SF

SUMMARY OF IMPACTS BY WATERSHED:

POCOMOKE SOUND WATERSHED (02130201)

PERM NONTIDAL PEM WETLANDS AREA: 18,389 SF
PERM NONTIDAL PFO WETLANDS AREA: 0 SF
PERM NONTIDAL PSS WETLAND AREA: 1,522 SF
PERM TIDAL ESS WETLANDS AREA: 0 SF
TEMP TIDAL STREAM (WUS) AREA: 0 SF
TEMP TIDAL STREAM (WUS) LENGTH: 0 LF
PERM TIDAL STREAM (WUS) AREA: 0 SF
PERM TIDAL STREAM (WUS) LENGTH: 0 LF

BIG ANNEMESSEX RIVER WATERSHED (02130207)

PERM NONTIDAL PEM WETLANDS AREA: 15,213 SF
PERM NONTIDAL PFO WETLANDS AREA: 5,608 SF
PERM NONTIDAL PSS WETLAND AREA: 3,803 SF
PERM TIDAL ESS WETLANDS AREA: 738 SF
TEMP TIDAL STREAM (WUS) AREA: 77 SF
TEMP TIDAL STREAM (WUS) LENGTH: 2,144 LF
PERM TIDAL STREAM (WUS) AREA: 570 SF
PERM TIDAL STREAM (WUS) LENGTH: 69 LF

202461252/24-WL-0850/
24-NT-2053
AI: 183693
Page 5 of 74

MD 413 BIKE PATH FROM DAVIS LANE
TO 1000 FT. NORTH OF BIG
ANNEMESSEX RIVER BRIDGE - PHASE
2A&2B



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Consulting Engineers

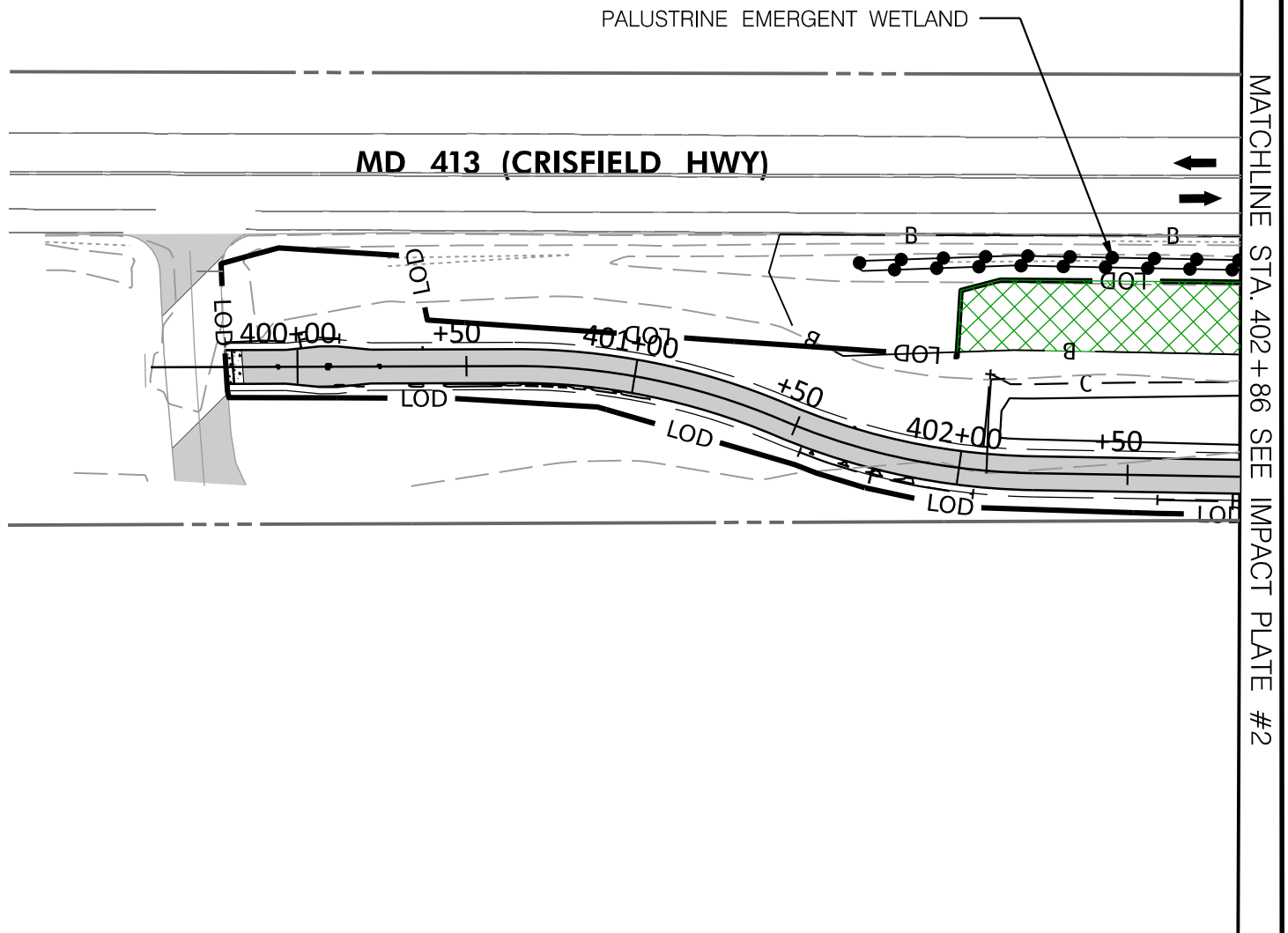
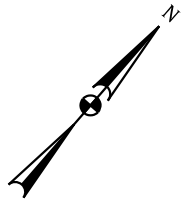
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NOT TO SCALE

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
SUMMARY SHEET
JUNE 2025



LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS - WATERS OF US (WUS) / MEAN HIGH WATER LINE
- LOD - LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	0	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	1735	0	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B



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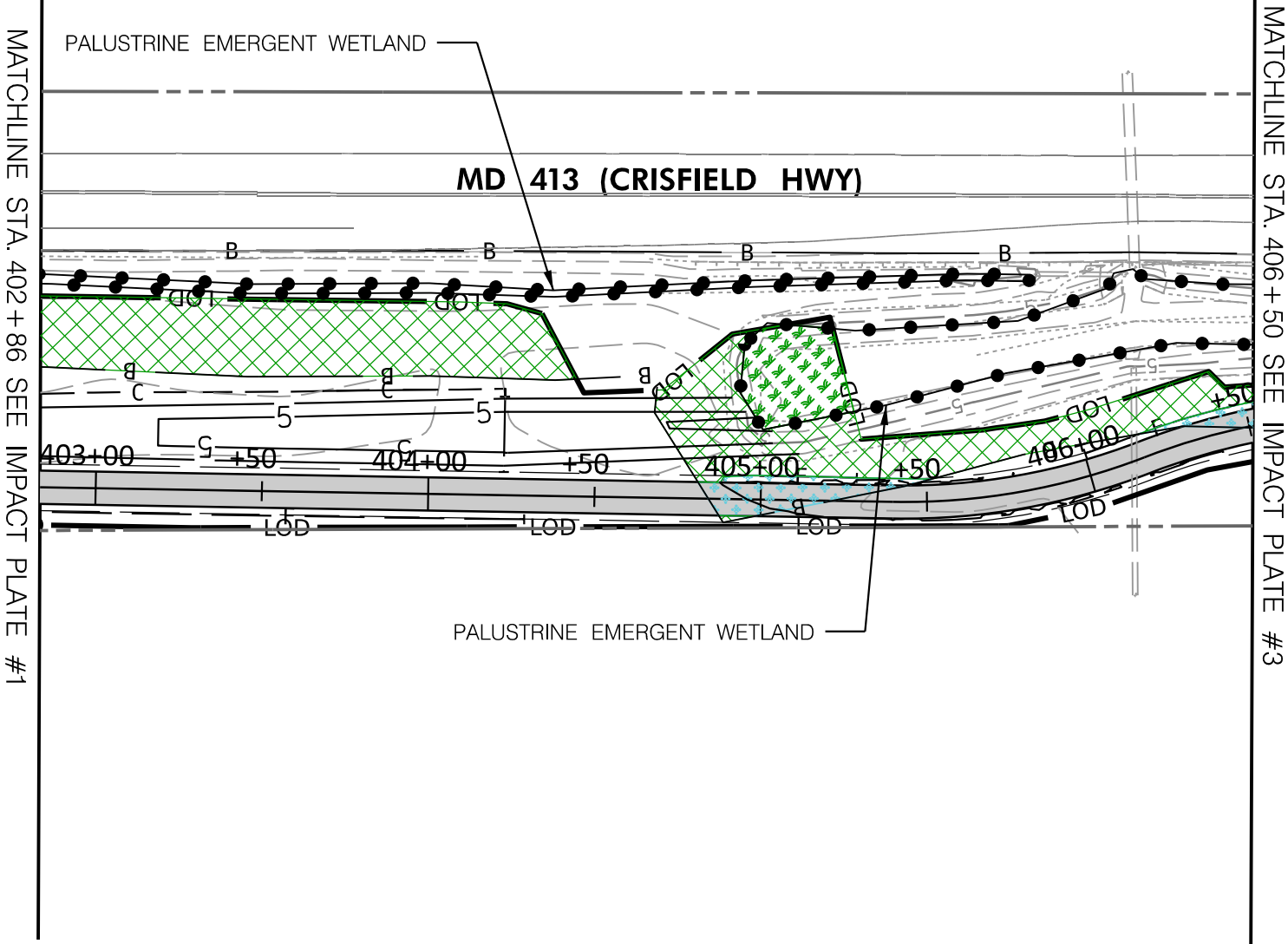
PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 01 OF 64
JUNE 2025

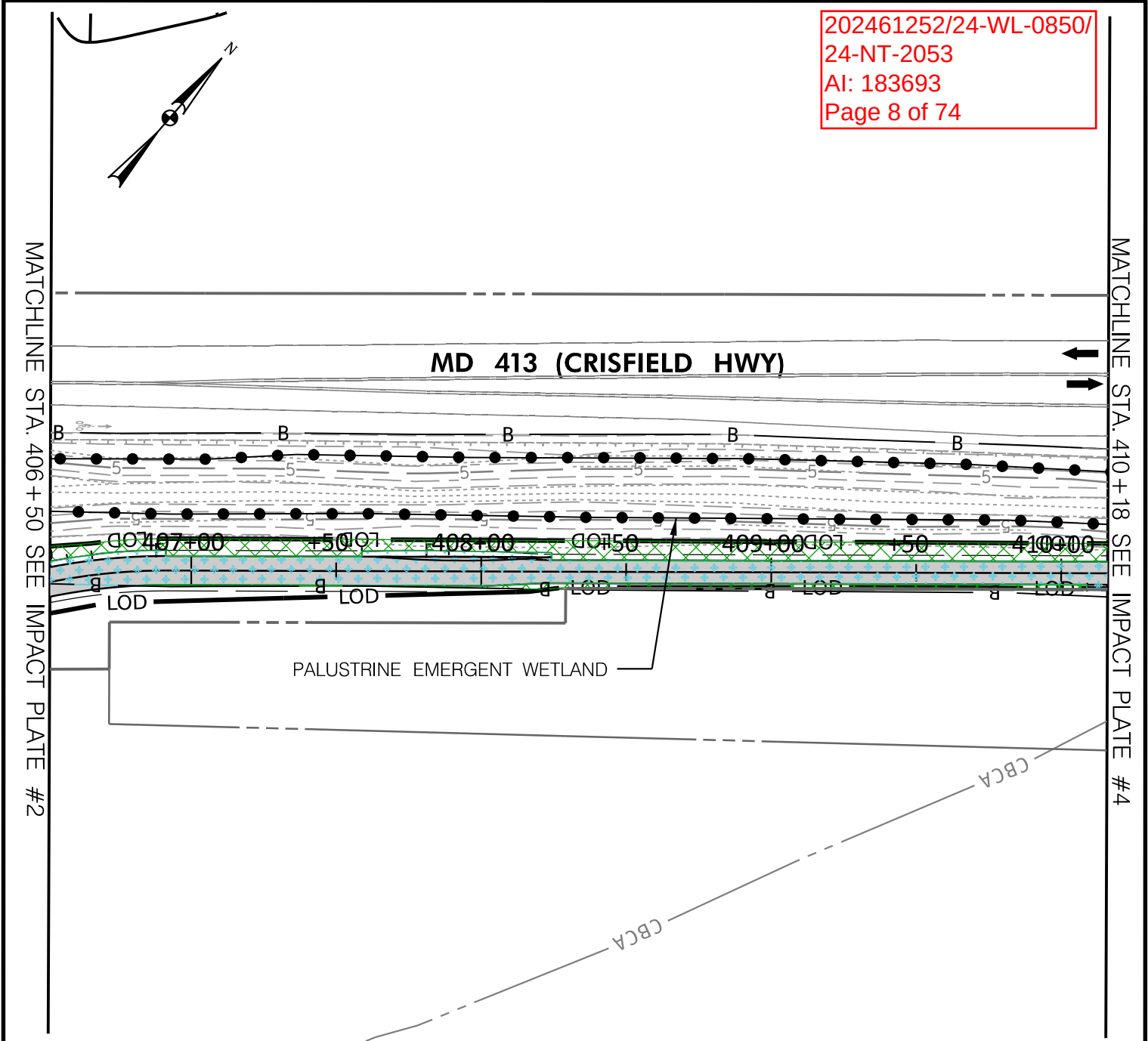


LEGEND

- B ● NONTIDAL WETLAND BOUNDARY
- 100-YEAR FLOODPLAIN
- WUS - WATERS OF US (WUS) /MEAN HIGH WATER LINE
- LOD - LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- C+ F - CUT /FILL LINE
- 315 --- PROPOSED CONTOUR
- 315 --- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	832	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	6198	620	0
TIDAL WETLANDS	S.F	0	0	0



LEGEND
 NONTIDAL WETLAND BOUNDARY
 WETLAND BUFFER
 100-YEAR FLOODPLAIN
 WUS
 MEAN HIGH WATER LINE
 LIMIT OF DISTURBANCE
 TREE LINE
 EX. PROPERTY BOUNDARY
 CUT / FILL LINE
 PROPOSED CONTOUR
 EXISTING CONTOUR
 TEMP. TIDAL WATER IMPACT
 PERM. TIDAL WATER IMPACT
 WETLAND/WUS LOSS (USACE)

TEMP. NONTIDAL PEM WETLAND IMPACT
 PERM. NONTIDAL PEM WETLAND IMPACT
 TEMP. NONTIDAL PFO WETLAND IMPACT
 PERM. NONTIDAL PFO WETLAND IMPACT
 TEMP. NONTIDAL PSS WETLAND IMPACT
 PERM. NONTIDAL PSS WETLAND IMPACT
 TEMP. NONTIDAL BUFFER IMPACT
 PERM. NONTIDAL BUFFER IMPACT
 TEMP. TIDAL ESS WETLAND IMPACT
 PERM. TIDAL ESS WETLAND IMPACT
 PERM. PEM WETLAND IMPACT (USACE)
 PERM. PFO WETLAND IMPACT (USACE)
 PERM. PSS WETLAND IMPACT (USACE)
 PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	0	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	2377	3413	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B

BRUDIS & ASSOCIATES, INC.
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Columbia, Maryland 21044
Phone 410-884-3607
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PLAN VIEW

SCALE: 1" = 50'
 MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 03 OF 64
JUNE 2025

MATCHLINE STA. 410+18 SEE IMPACT PLATE #3

MATCHLINE STA. 413+86 SEE IMPACT PLATE #5

MD 413 (CRISFIELD HWY)

PALUSTRINE EMERGENT WETLAND

START OF BOARDWALK
WIDTH: 8.0'
HEIGHT ABOVE WATER: 4.5'

LEGEND

- NONTIDAL WETLAND BOUNDARY WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS / MEAN HIGH WATER LINE
- LOD - LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT/FILL LINE
- PROPOSED CONTOUR EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

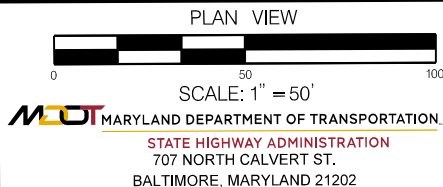
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- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	2543	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	4240	663	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B



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CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 04 OF 64
JUNE 2025

MATCHLINE STA. 413+86 SEE IMPACT PLATE #4

MATCHLINE STA. 417+50 SEE IMPACT PLATE #6

MD 413 (CRISFIELD HWY)

PALUSTRINE EMERGENT WETLAND

END OF BOARDWALK
WIDTH: 8.0'
HEIGHT ABOVE WATER: 4.5'

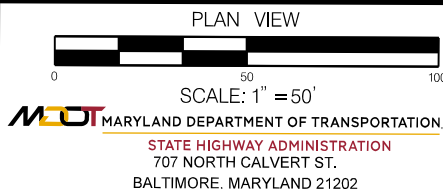
LEGEND	
	NONTIDAL WETLAND BOUNDARY WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS) MEAN HIGH WATER LINE
	LOD TREE LINE
	EX. PROPERTY BOUNDARY
	CUT/FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	6496	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	3215	50	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
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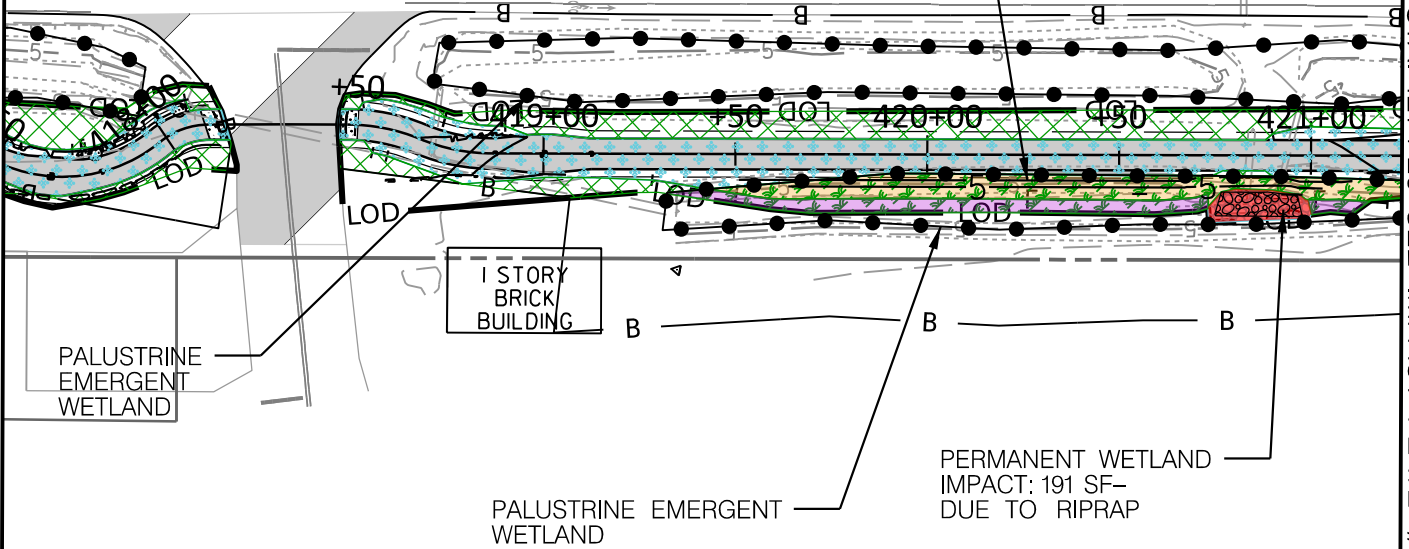
CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 05 OF 64
JUNE 2025

WETLAND IMPACTS CONSIDERED
TEMPORARY DUE TO ADJACENT
EXISTING DITCH WHICH IS
ANTICIPATED TO DEVELOP
WETLAND CHARACTERISTICS
POST-DEVELOPMENT DUE TO
UNCHANGED HYDROLOGIC
PATTERNS

MATCHLINE STA. 417+50 SEE IMPACT PLATE #5

MD 413 (CRISFIELD HWY)

MATCHLINE STA. 421+26 SEE IMPACT PLATE #7



LEGEND

	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS)
	MEAN HIGH WATER LINE
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	1487	191	191
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	2694	3762	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSESSEX RIVER BRIDGE -
PHASE 2A&2B

PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION

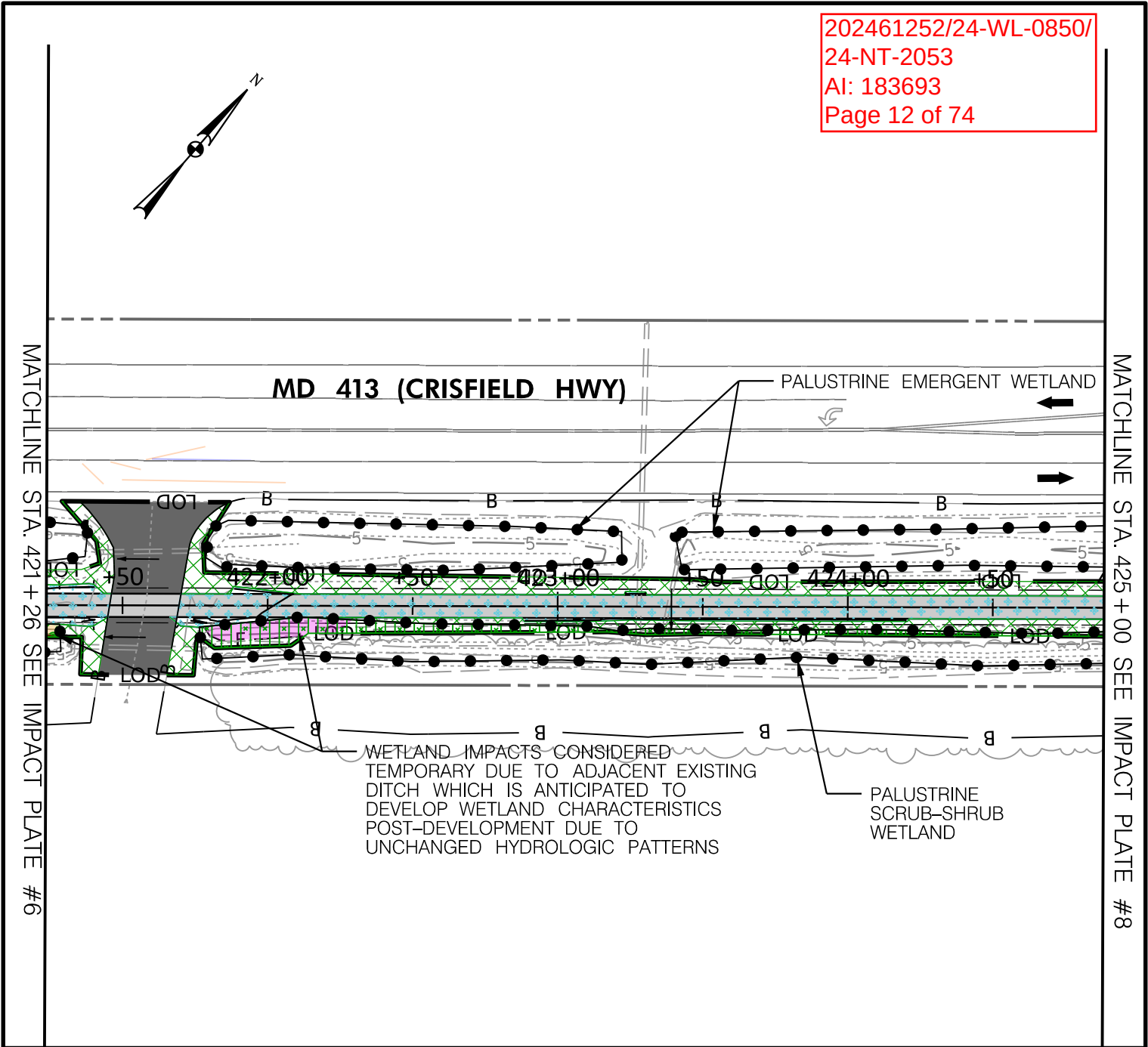
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 06 OF 64
JUNE 2025



BRUDIS & ASSOCIATES, INC.
Consulting Engineers

11000 Broken Land Parkway, Suite 450
Columbia, Maryland 21044
Phone 410-884-3607
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LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WATERS OF US (WUS) / MEAN HIGH WATER LINE
- LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	24	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	882	0	0
NONTIDAL WETLAND BUFFER	S.F	3258	3090	0
TIDAL WETLANDS	S.F	0	0	0

MATCHLINE STA. 425+00 SEE IMPACT PLATE #7

MATCHLINE STA. 428+55 SEE IMPACT PLATE #9

PALUSTRINE EMERGENT WETLAND

MD 413 (CRISFIELD HWY)

PALUSTRINE
SCRUB-SHRUB
WETLAND

WETLAND IMPACTS CONSIDERED
TEMPORARY DUE TO ADJACENT EXISTING
DITCH WHICH IS ANTICIPATED TO
DEVELOP WETLAND CHARACTERISTICS
POST-DEVELOPMENT DUE TO
UNCHANGED HYDROLOGIC PATTERNS

LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WATERS OF US (WUS) / MEAN HIGH WATER LINE
- WUS
- LOD
- LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	739	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	1366	0	0
NONTIDAL WETLAND BUFFER	S.F	2023	4333	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B

PLAN VIEW



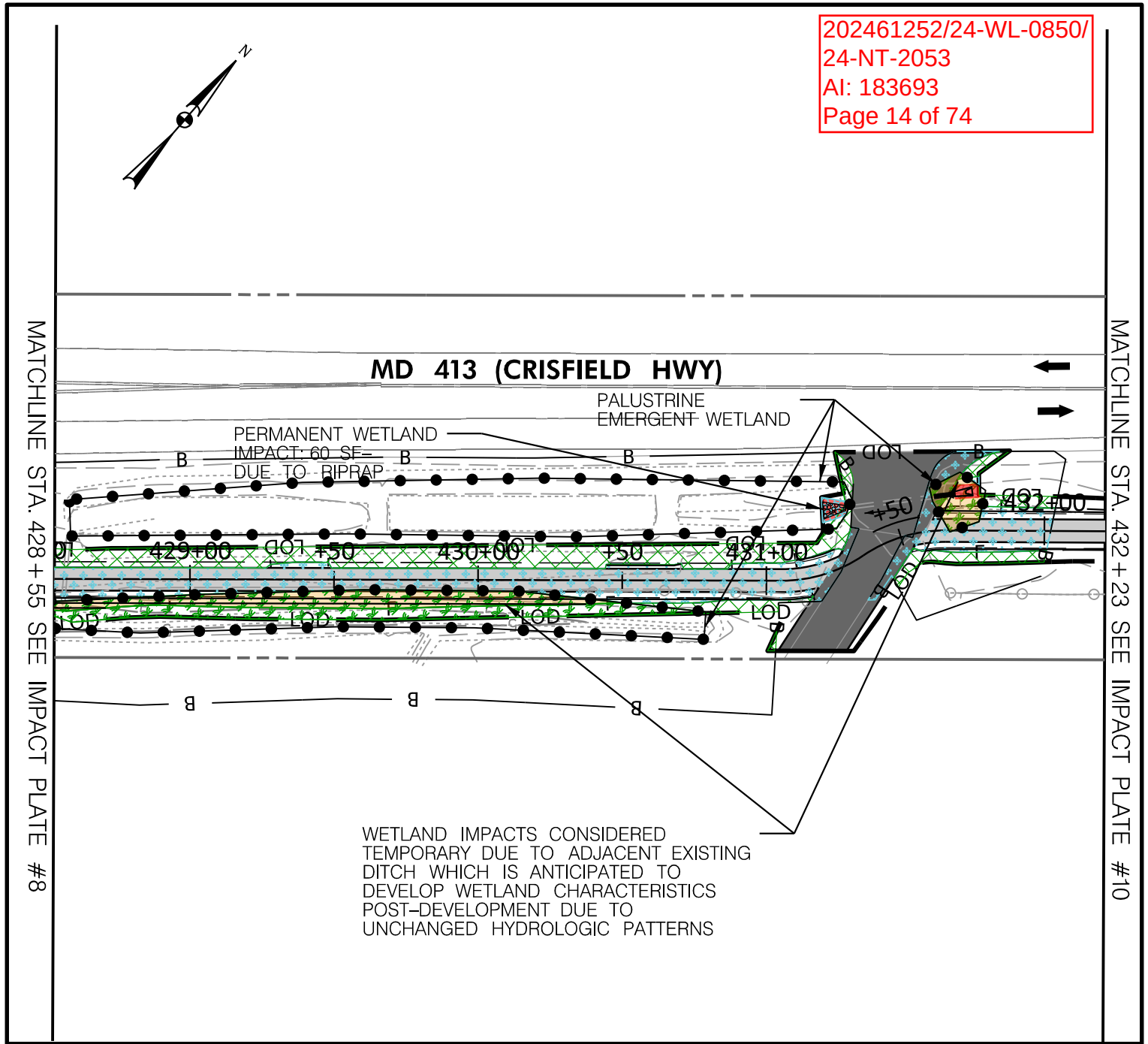
SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 08 OF 64
JUNE 2025



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WETLAND IMPACTS CONSIDERED
TEMPORARY DUE TO ADJACENT EXISTING
DITCH WHICH IS ANTICIPATED TO
DEVELOP WETLAND CHARACTERISTICS
POST-DEVELOPMENT DUE TO
UNCHANGED HYDROLOGIC PATTERNS

LEGEND

- B ● NONTIDAL WETLAND BOUNDARY
- B - WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS - WATERS OF US (WUS) /MEAN HIGH WATER LINE
- LOD - LIMIT OF DISTURBANCE
- TREE LINE
- - - EX. PROPERTY BOUNDARY
- C+ F - CUT /FILL LINE
- 315 - PROPOSED CONTOUR
- 315 - EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

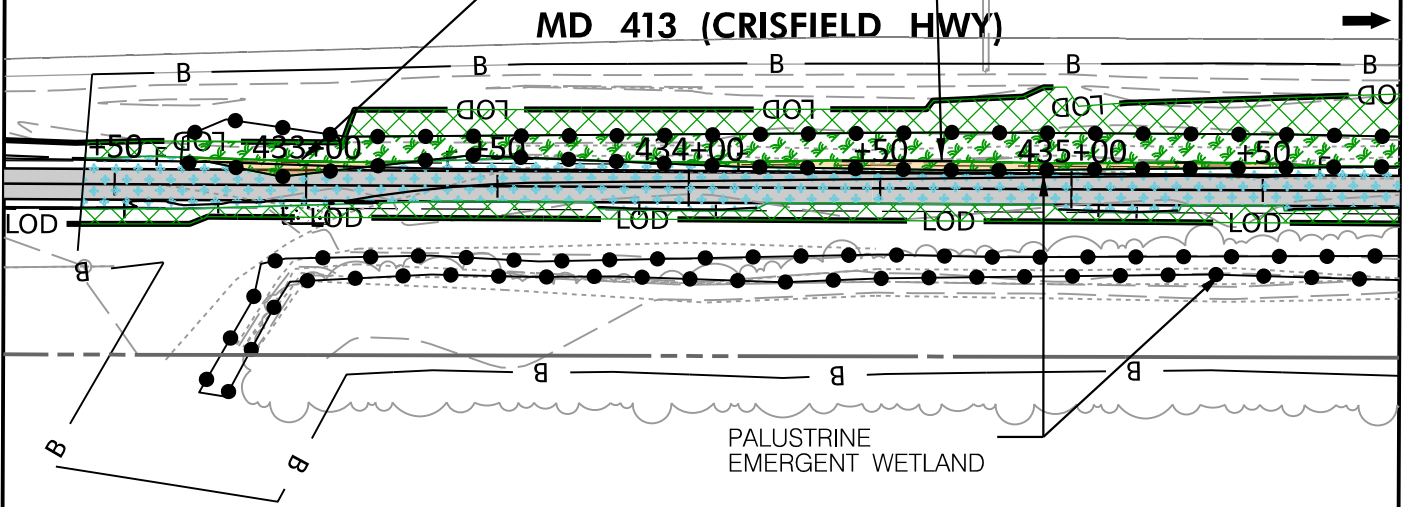
TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	2021	60	99
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	2597	3678	0
TIDAL WETLANDS	S.F	0	0	0

WETLAND IMPACTS CONSIDERED
TEMPORARY DUE TO ADJACENT EXISTING
DITCH WHICH IS ANTICIPATED TO
DEVELOP WETLAND CHARACTERISTICS
POST-DEVELOPMENT DUE TO
UNCHANGED HYDROLOGIC PATTERNS

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24-NT-2053
AI: 183693
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MATCHLINE STA. 432+23 SEE IMPACT PLATE #9

MATCHLINE STA. 435+87 SEE IMPACT PLATE #11



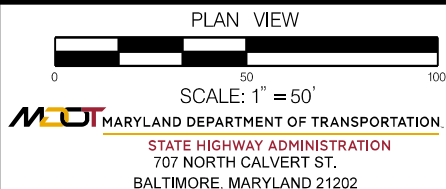
LEGEND	
	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS)
	MEAN HIGH WATER LINE
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT/FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	2563	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	3554	3631	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B



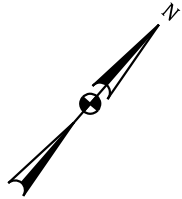
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CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 10 OF 64
JUNE 2025

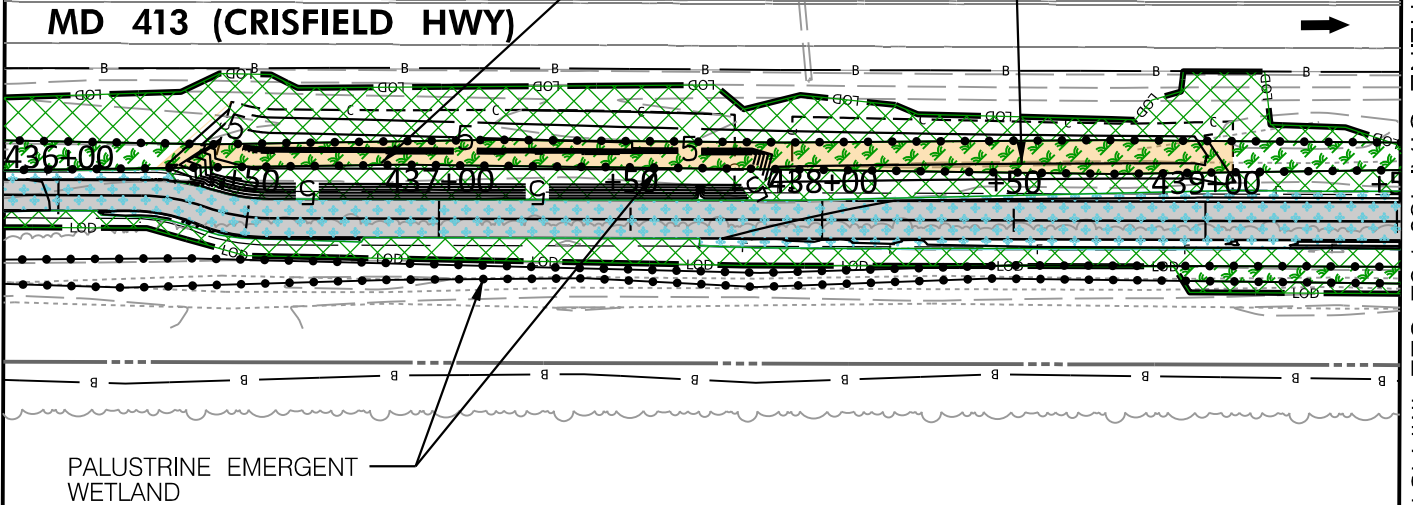
WETLAND IMPACTS CONSIDERED
TEMPORARY DUE TO ADJACENT EXISTING
DITCH WHICH IS ANTICIPATED TO
DEVELOP WETLAND CHARACTERISTICS
POST-DEVELOPMENT DUE TO
UNCHANGED HYDROLOGIC PATTERNS

202461252/24-WL-0850/
24-NT-2053
AI: 183693
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MATCHLINE STA. 435 + 87 SEE IMPACT PLATE #10

MATCHLINE STA. 439 + 52 SEE IMPACT PLATE #12



LEGEND

	NONTIDAL WETLAND BOUNDARY		TEMP. NONTIDAL PEM WETLAND IMPACT
	WETLAND BUFFER		PERM. NONTIDAL PEM WETLAND IMPACT
	100-YEAR FLOODPLAIN		TEMP. NONTIDAL PFO WETLAND IMPACT
	WATERS OF US (WUS) / MEAN HIGH WATER LINE		PERM. NONTIDAL PFO WETLAND IMPACT
	LIMIT OF DISTURBANCE		TEMP. NONTIDAL PSS WETLAND IMPACT
	TREE LINE		PERM. NONTIDAL PSS WETLAND IMPACT
	EX. PROPERTY BOUNDARY		TEMP. NONTIDAL BUFFER IMPACT
	CUT / FILL LINE		PERM. NONTIDAL BUFFER IMPACT
	PROPOSED CONTOUR		TEMP. TIDAL ESS WETLAND IMPACT
	EXISTING CONTOUR		PERM. TIDAL ESS WETLAND IMPACT
	TEMP. TIDAL WATER IMPACT		PERM. PEM WETLAND IMPACT (USACE)
	PERM. TIDAL WATER IMPACT		PERM. PFO WETLAND IMPACT (USACE)
	WETLAND/WUS LOSS (USACE)		PERM. PSS WETLAND IMPACT (USACE)
			PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	2880	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	8353	4481	0
TIDAL WETLANDS	S.F	0	0	0

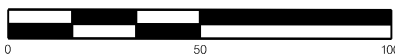
MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B



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PLAN VIEW



SCALE: 1" = 50'

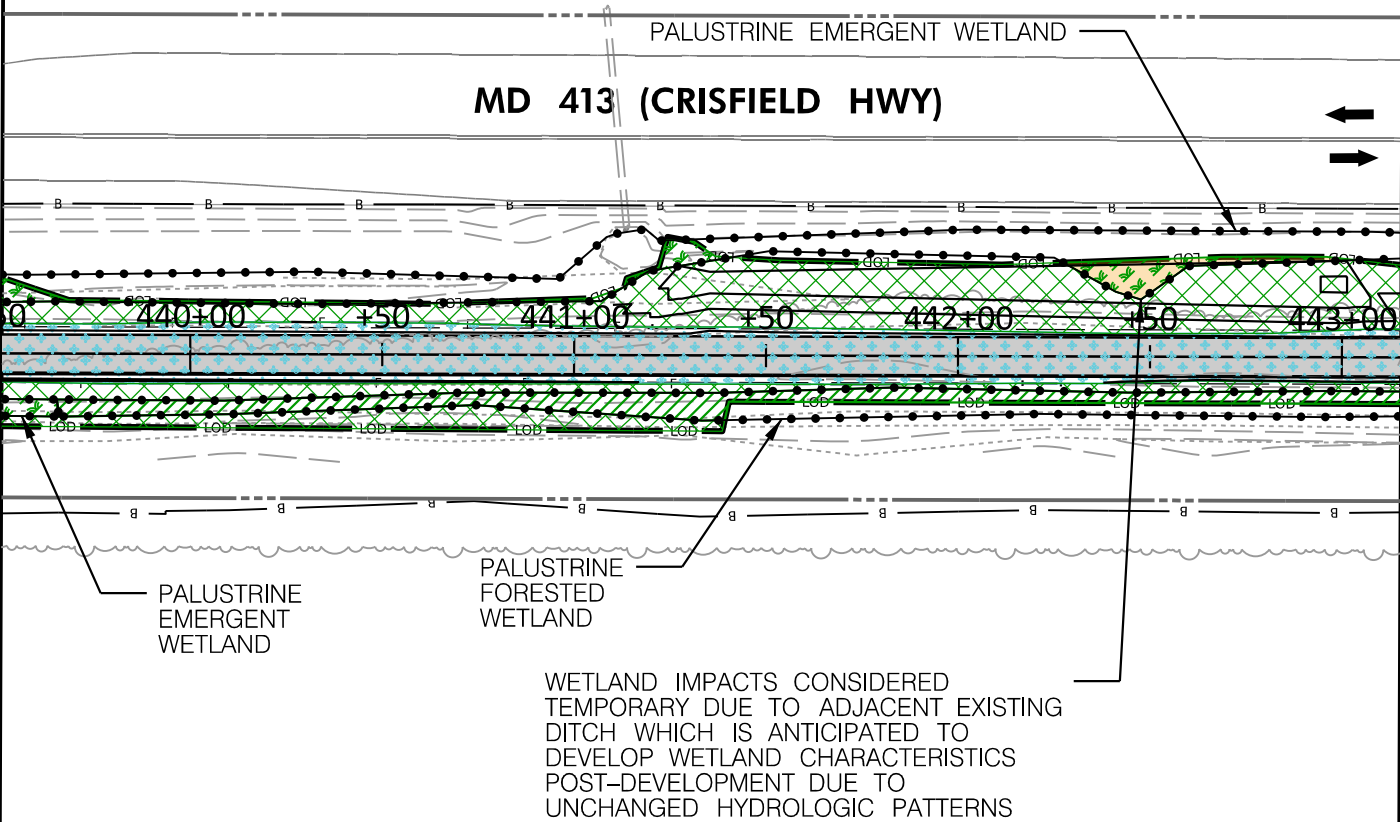
MDOT MARYLAND DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 11 OF 64
JUNE 2025

MATCHLINE STA. 439+52 SEE IMPACT PLATE #11

MATCHLINE STA. 443+17 SEE IMPACT PLATE #13



LEGEND
 NONTIDAL WETLAND BOUNDARY
 WETLAND BUFFER
 100-YEAR FLOODPLAIN
 WATERS OF US (WUS)
 /MEAN HIGH WATER LINE
 LIMIT OF DISTURBANCE
 TREE LINE
 EX. PROPERTY BOUNDARY
 CUT /FILL LINE
 PROPOSED CONTOUR
 EXISTING CONTOUR
 TEMP. TIDAL WATER IMPACT
 PERM. TIDAL WATER IMPACT
 WETLAND/WUS LOSS (USACE)

TEMP. NONTIDAL PEM WETLAND IMPACT
 PERM. NONTIDAL PEM WETLAND IMPACT
 TEMP. NONTIDAL PFO WETLAND IMPACT
 PERM. NONTIDAL PFO WETLAND IMPACT
 TEMP. NONTIDAL PSS WETLAND IMPACT
 PERM. NONTIDAL PSS WETLAND IMPACT
 TEMP. NONTIDAL BUFFER IMPACT
 PERM. NONTIDAL BUFFER IMPACT
 TEMP. TIDAL ESS WETLAND IMPACT
 PERM. TIDAL ESS WETLAND IMPACT
 PERM. PEM WETLAND IMPACT (USACE)
 PERM. PFO WETLAND IMPACT (USACE)
 PERM. PSS WETLAND IMPACT (USACE)
 PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	509	0	0
NONTIDAL WETLANDS (PFO)	S.F	1313	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	6053	5282	0
TIDAL WETLANDS	S.F	0	0	0

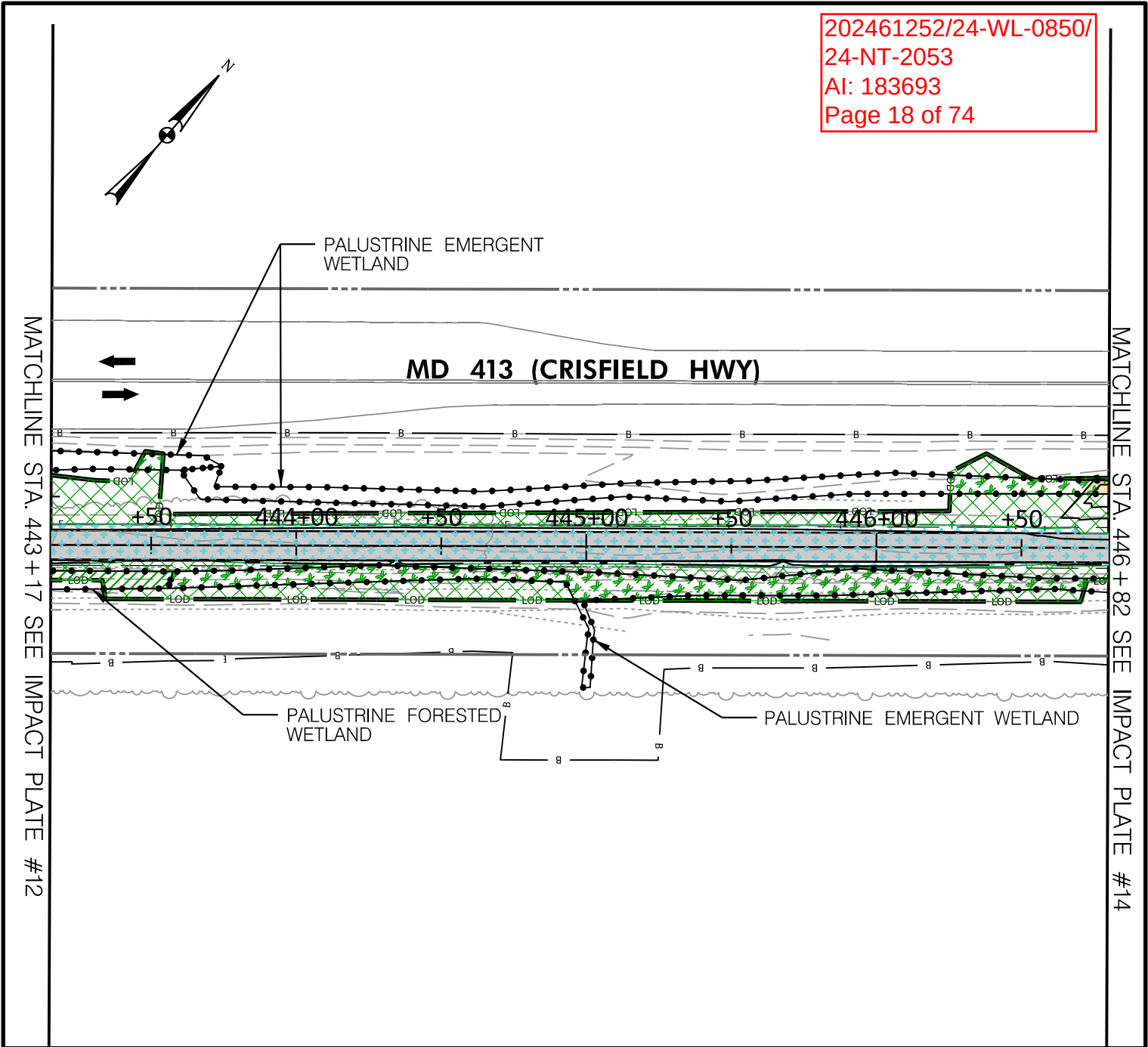
MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B

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PLAN VIEW

SCALE: 1" = 50'
 MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 12 OF 64
JUNE 2025



LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS (WATERS OF US) / MEAN HIGH WATER LINE
- LOD (LIMIT OF DISTURBANCE)
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)
- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

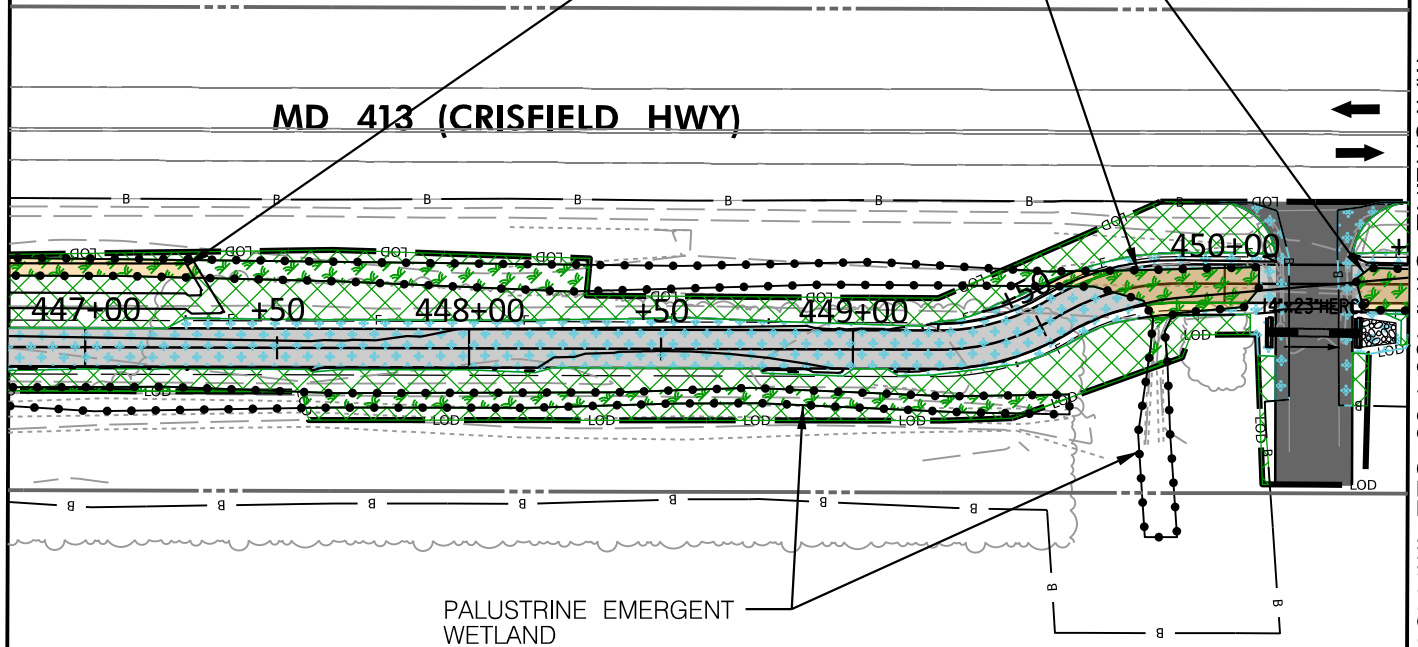
TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	2215	0	0
NONTIDAL WETLANDS (PFO)	S.F	198	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	4734	4993	0
TIDAL WETLANDS	S.F	0	0	0

WETLAND IMPACTS CONSIDERED TEMPORARY
DUE TO ADJACENT PROPOSED DITCH WHICH IS
ANTICIPATED TO DEVELOP WETLAND
CHARACTERISTICS POST-DEVELOPMENT DUE TO
UNCHANGED HYDROLOGIC PATTERNS.

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MATCHLINE STA. 446+82 SEE IMPACT PLATE #13

MATCHLINE STA. 450+50 SEE IMPACT PLATE #15



LEGEND

- NONTIDAL WETLAND BOUNDARY
- B - WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS - WATERS OF US (WUS) / MEAN HIGH WATER LINE
- LOD - LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- C - + F - CUT / FILL LINE
- 315 - PROPOSED CONTOUR
- 315 - EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	2326	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	6264	4753	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
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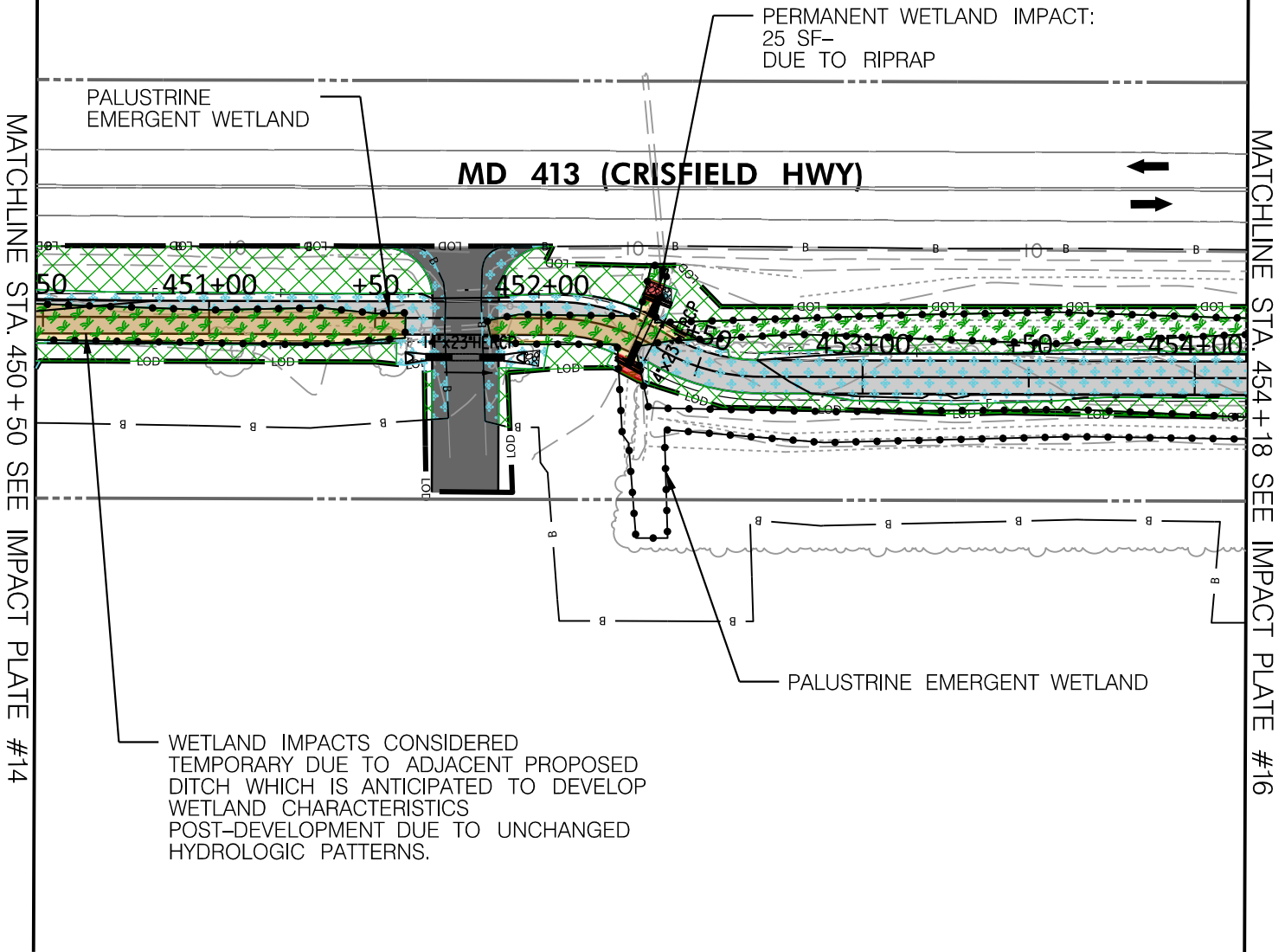
PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 14 OF 64
JUNE 2025



LEGEND

TEMP. NONTIDAL PEM WETLAND IMPACT

PERM. NONTIDAL PEM WETLAND IMPACT

TEMP. NONTIDAL PFO WETLAND IMPACT

PERM. NONTIDAL PFO WETLAND IMPACT

TEMP. NONTIDAL PSS WETLAND IMPACT

PERM. NONTIDAL PSS WETLAND IMPACT

TEMP. NONTIDAL BUFFER IMPACT

PERM. NONTIDAL BUFFER IMPACT

TEMP. TIDAL ESS WETLAND IMPACT

PERM. TIDAL ESS WETLAND IMPACT

PERM. PEM WETLAND IMPACT (USACE)

PERM. PFO WETLAND IMPACT (USACE)

PERM. PSS WETLAND IMPACT (USACE)

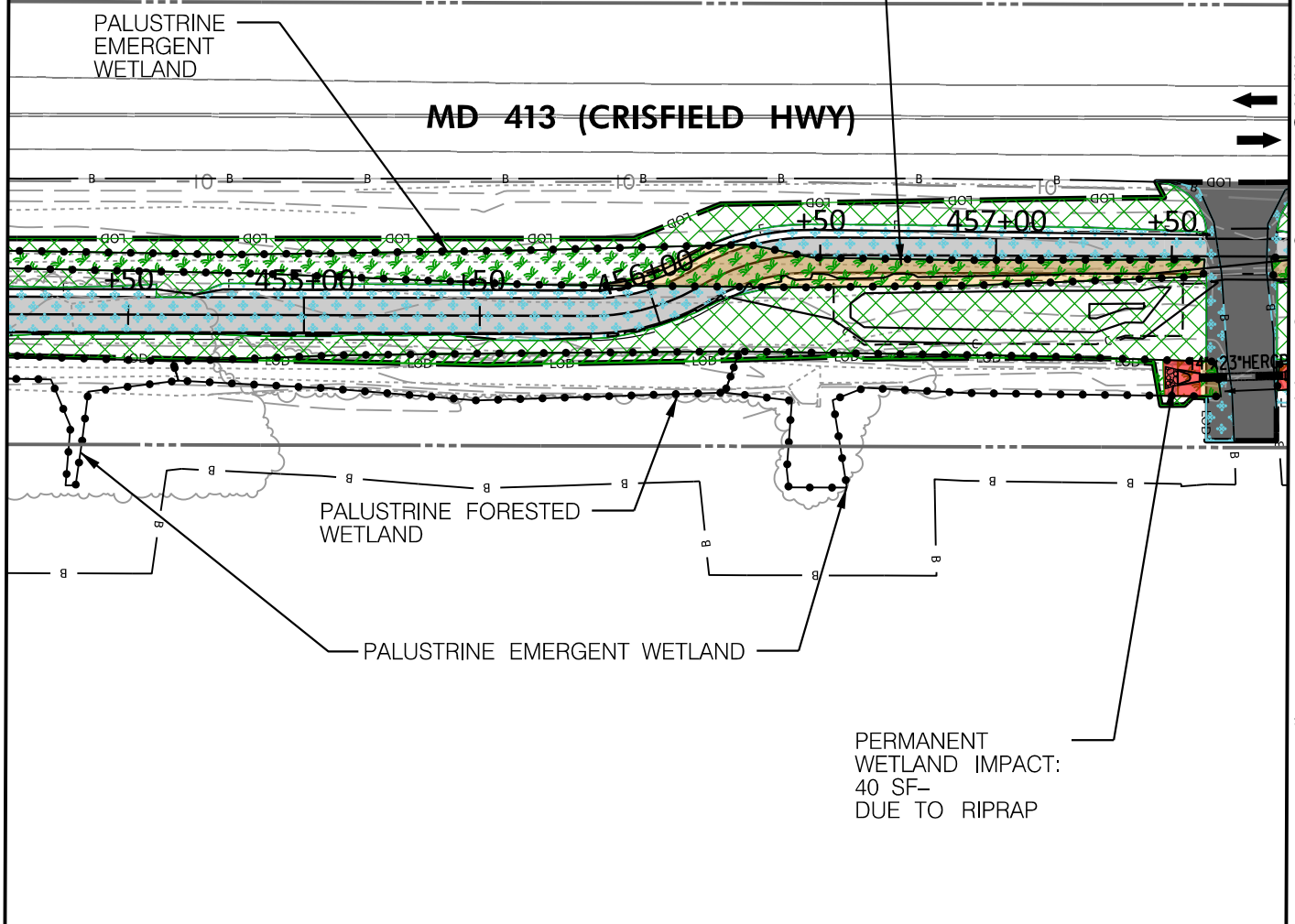
PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	2940	25	71
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	4833	4218	0
TIDAL WETLANDS	S.F	0	0	0

WETLAND IMPACTS CONSIDERED
TEMPORARY DUE TO ADJACENT PROPOSED
WET SWALE WHICH IS ANTICIPATED TO
DEVELOP WETLAND CHARACTERISTICS
POST-DEVELOPMENT DUE TO UNCHANGED
HYDROLOGIC PATTERNS.

MATCHLINE STA. 454+18 SEE IMPACT PLATE #15

MATCHLINE STA. 457+85 SEE IMPACT PLATE #17



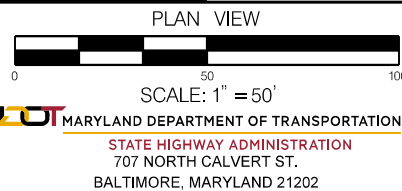
LEGEND	
	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS)
	MEAN HIGH WATER LINE
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F.	0	0	0
	S.F.	0	0	0
NONTIDAL WETLANDS (PEM)	S.F.	2892	40	125
NONTIDAL WETLANDS (PFO)	S.F.	345	0	0
NONTIDAL WETLANDS (PSS)	S.F.	0	0	0
NONTIDAL WETLAND BUFFER	S.F.	6512	4484	0
TIDAL WETLANDS	S.F.	0	0	0

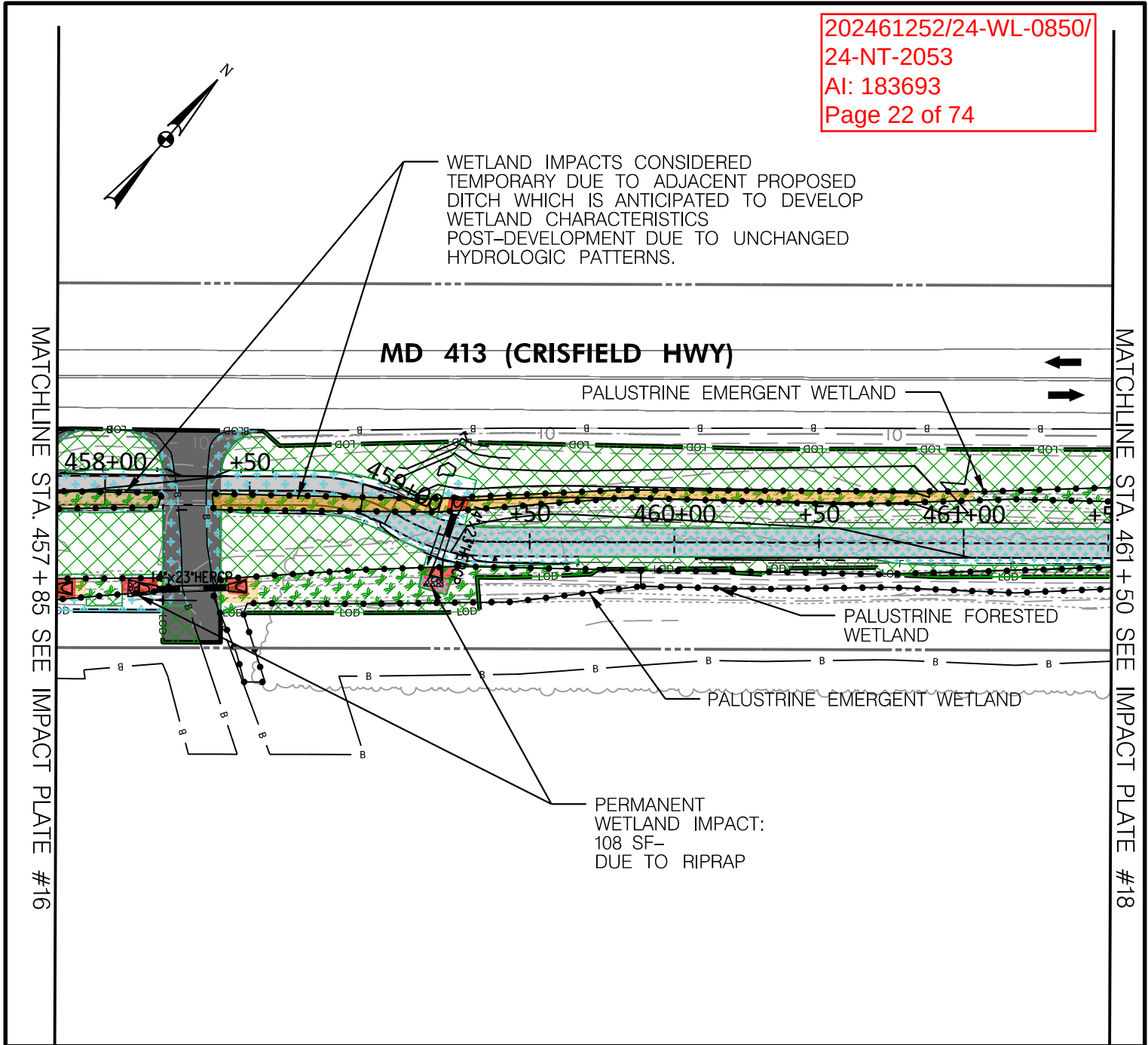
MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSESSEX RIVER BRIDGE -
PHASE 2A&2B



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Columbia, Maryland 21044
Phone 410-884-3607
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CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 16 OF 64
JUNE 2025

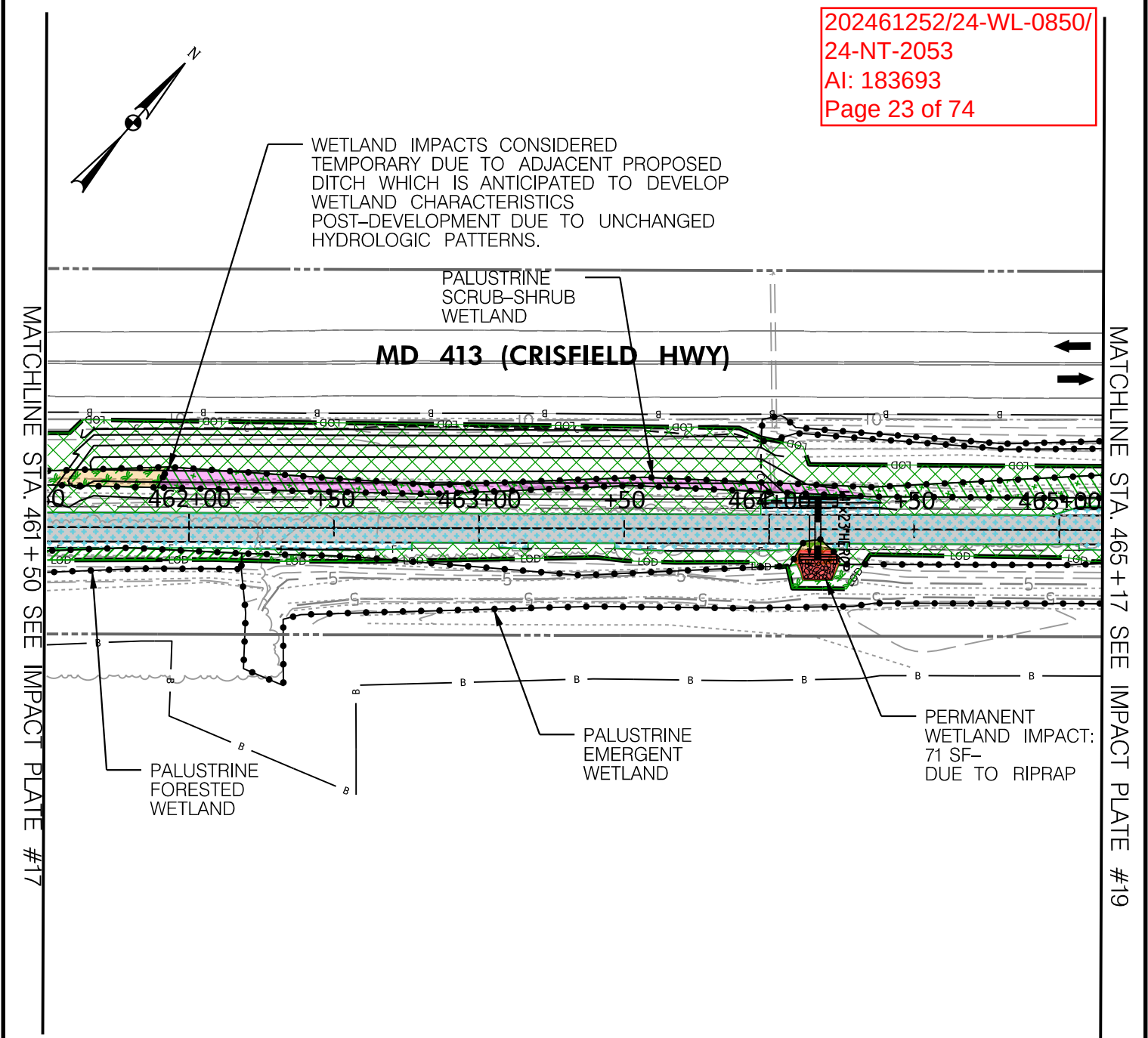


LEGEND				
	NONTIDAL WETLAND BOUNDARY		TEMP. NONTIDAL PEM WETLAND IMPACT	
	WETLAND BUFFER		PERM. NONTIDAL PEM WETLAND IMPACT	
	100-YEAR FLOODPLAIN		TEMP. NONTIDAL PFO WETLAND IMPACT	
	WATERS OF US (WUS)		PERM. NONTIDAL PFO WETLAND IMPACT	
	MEAN HIGH WATER LINE		TEMP. NONTIDAL PSS WETLAND IMPACT	
	LIMIT OF DISTURBANCE		PERM. NONTIDAL PSS WETLAND IMPACT	
	TREE LINE		TEMP. NONTIDAL BUFFER IMPACT	
	EX. PROPERTY BOUNDARY		PERM. NONTIDAL BUFFER IMPACT	
	CUT / FILL LINE		TEMP. TIDAL ESS WETLAND IMPACT	
	PROPOSED CONTOUR		PERM. TIDAL ESS WETLAND IMPACT	
	EXISTING CONTOUR		PERM. PEM WETLAND IMPACT (USACE)	
	TEMP. TIDAL WATER IMPACT		PERM. PFO WETLAND IMPACT (USACE)	
	PERM. TIDAL WATER IMPACT		PERM. PSS WETLAND IMPACT (USACE)	
	WETLAND/WUS LOSS (USACE)		PERM. ESS WETLAND IMPACT (USACE)	

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	2710	108	272
NONTIDAL WETLANDS (PFO)	S.F	158	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	9986	4762	0
TIDAL WETLANDS	S.F	0	0	0

MATCHLINE STA. 461+50 SEE IMPACT PLATE #17

MATCHLINE STA. 465+17 SEE IMPACT PLATE #19

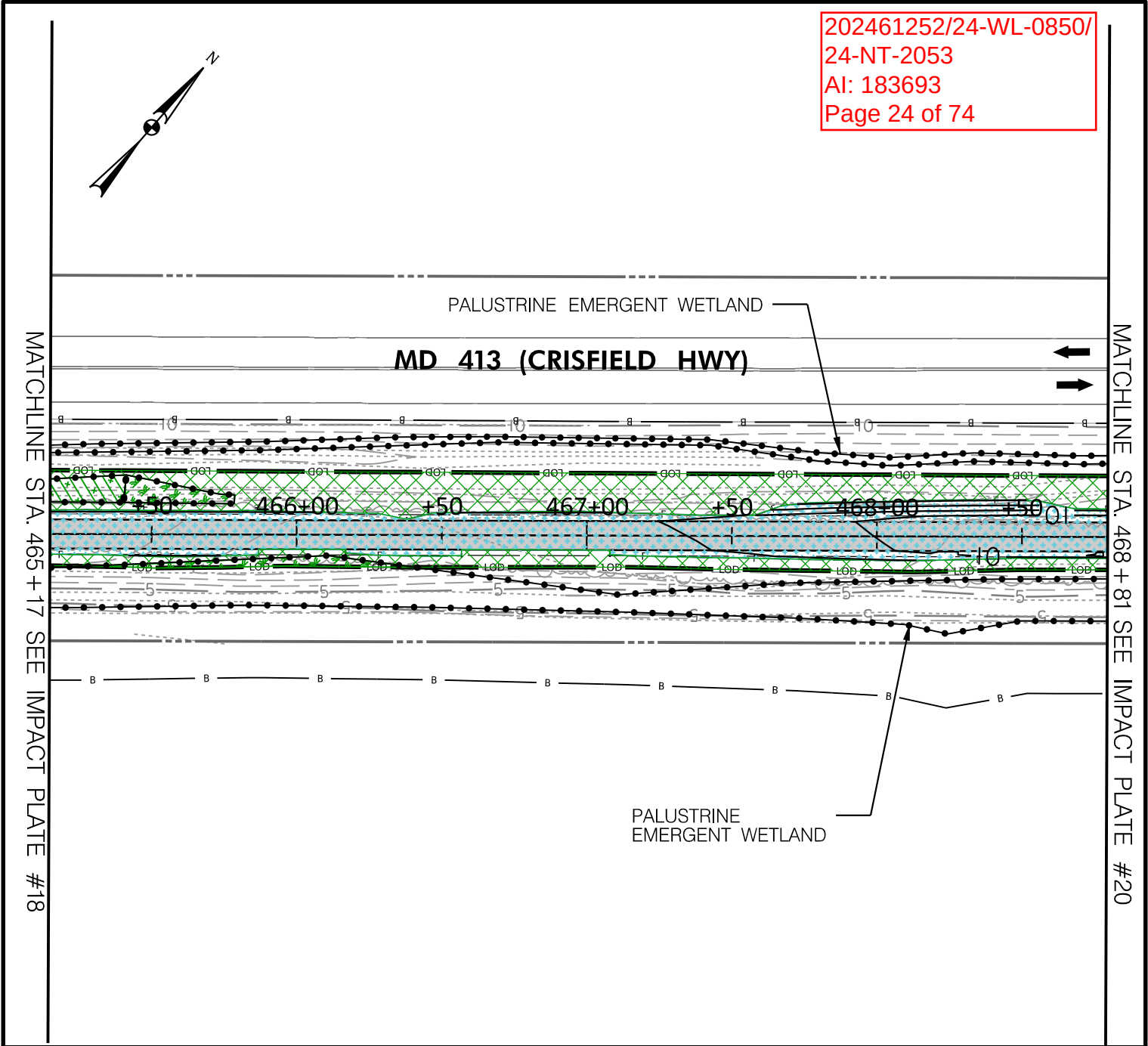


LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS (WATERS OF US) / MEAN HIGH WATER LINE
- LOD (LIMIT OF DISTURBANCE)
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	557	71	136
NONTIDAL WETLANDS (PFO)	S.F	228	0	0
NONTIDAL WETLANDS (PSS)	S.F	1389	0	0
NONTIDAL WETLAND BUFFER	S.F	9024	4394	0
TIDAL WETLANDS	S.F	0	0	0



LEGEND

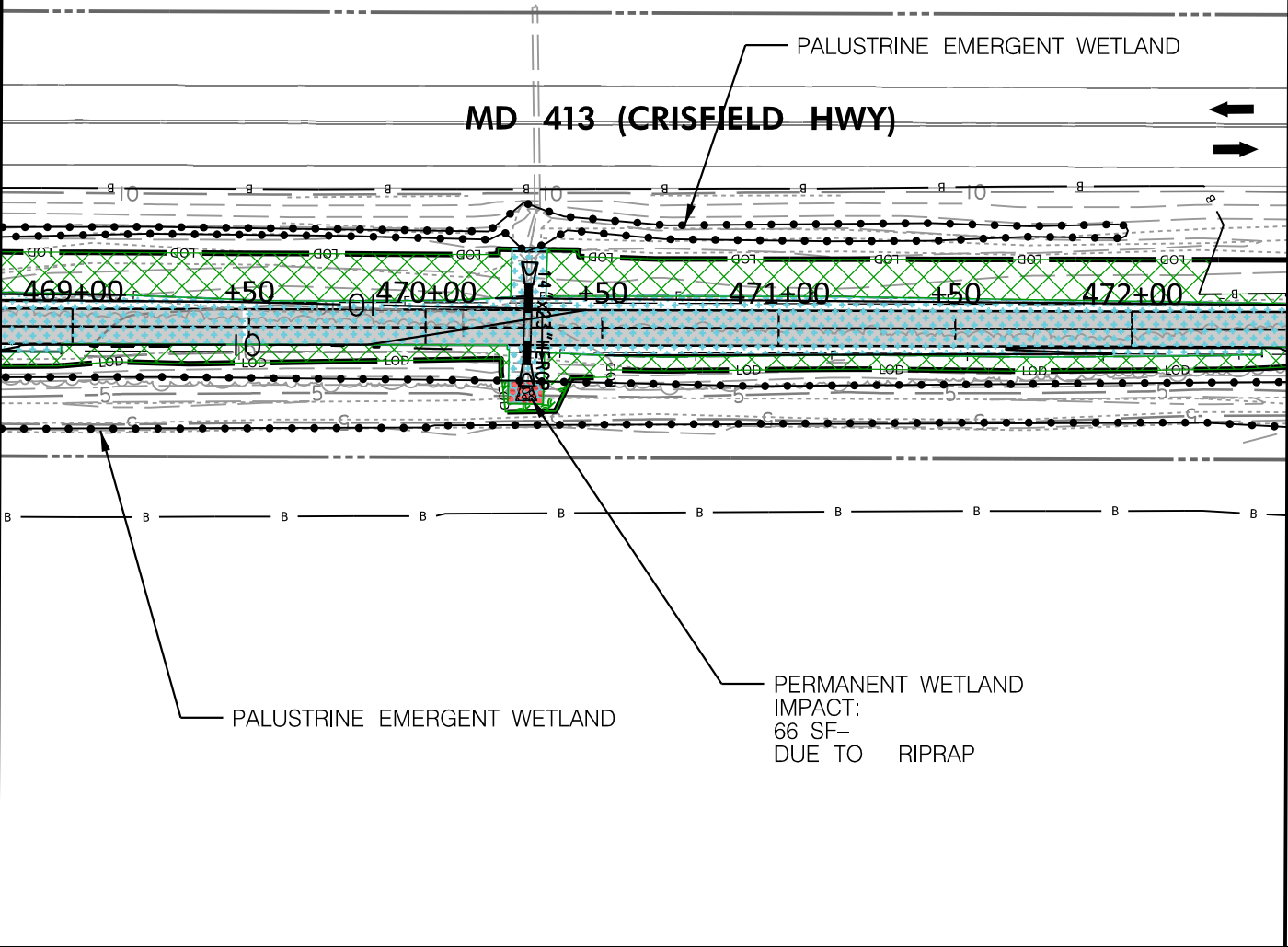
- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS (WATERS OF US) / MEAN HIGH WATER LINE
- LOD (LIMIT OF DISTURBANCE)
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	451	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	224	0	0
NONTIDAL WETLAND BUFFER	S.F	5486	5820	0
TIDAL WETLANDS	S.F	0	0	0

MATCHLINE STA. 468 + 81 SEE IMPACT PLATE #19

MATCHLINE STA. 472 + 50 SEE IMPACT PLATE #21



LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS (WATERS OF THE US) / MEAN HIGH WATER LINE
- LOD (LIMIT OF DISTURBANCE)
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	78	66	66
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	5582	5696	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B



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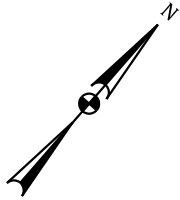
PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

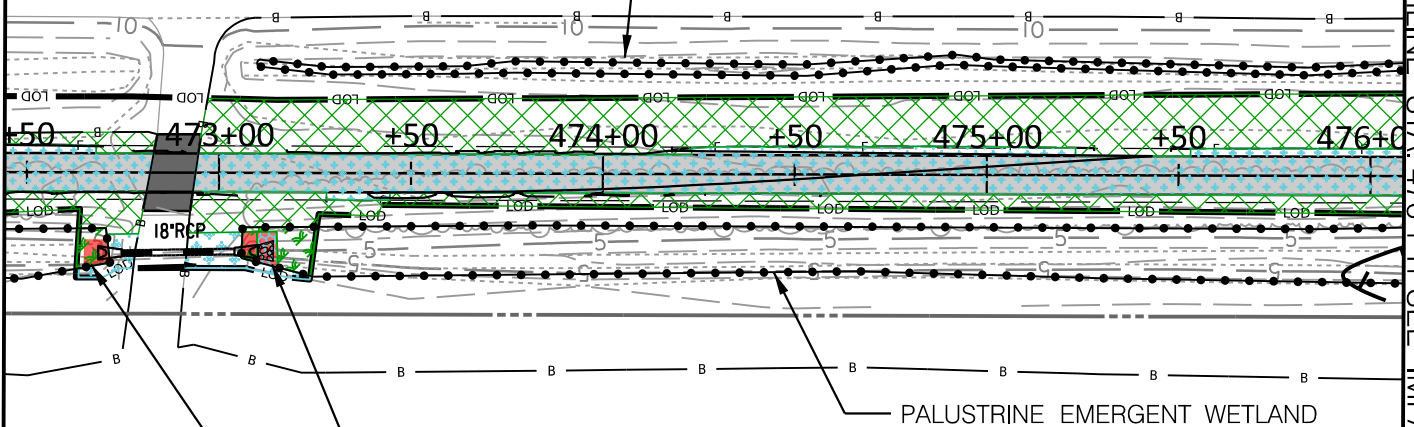
CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 20 OF 64
JUNE 2025



MATCHLINE STA. 472+50 SEE IMPACT PLATE #20

MATCHLINE STA 476+11 SEE IMPACT PLATE #22

PALUSTRINE EMERGENT WETLAND
MD 413 (CRISFIELD HWY)



PERMANENT WETLAND
IMPACT: 45 SF-
DUE TO RIPRAP

WETLAND IMPACTS CONSIDERED
TEMPORARY DUE TO ADJACENT PROPOSED
DITCH WHICH IS ANTICIPATED TO DEVELOP
WETLAND CHARACTERISTICS
POST-DEVELOPMENT DUE TO UNCHANGED
HYDROLOGIC PATTERNS.

LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS / MEAN HIGH WATER LINE
- LOD LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

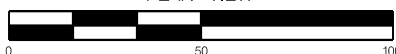
TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	228	45	117
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	6315	4208	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B



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PLAN VIEW



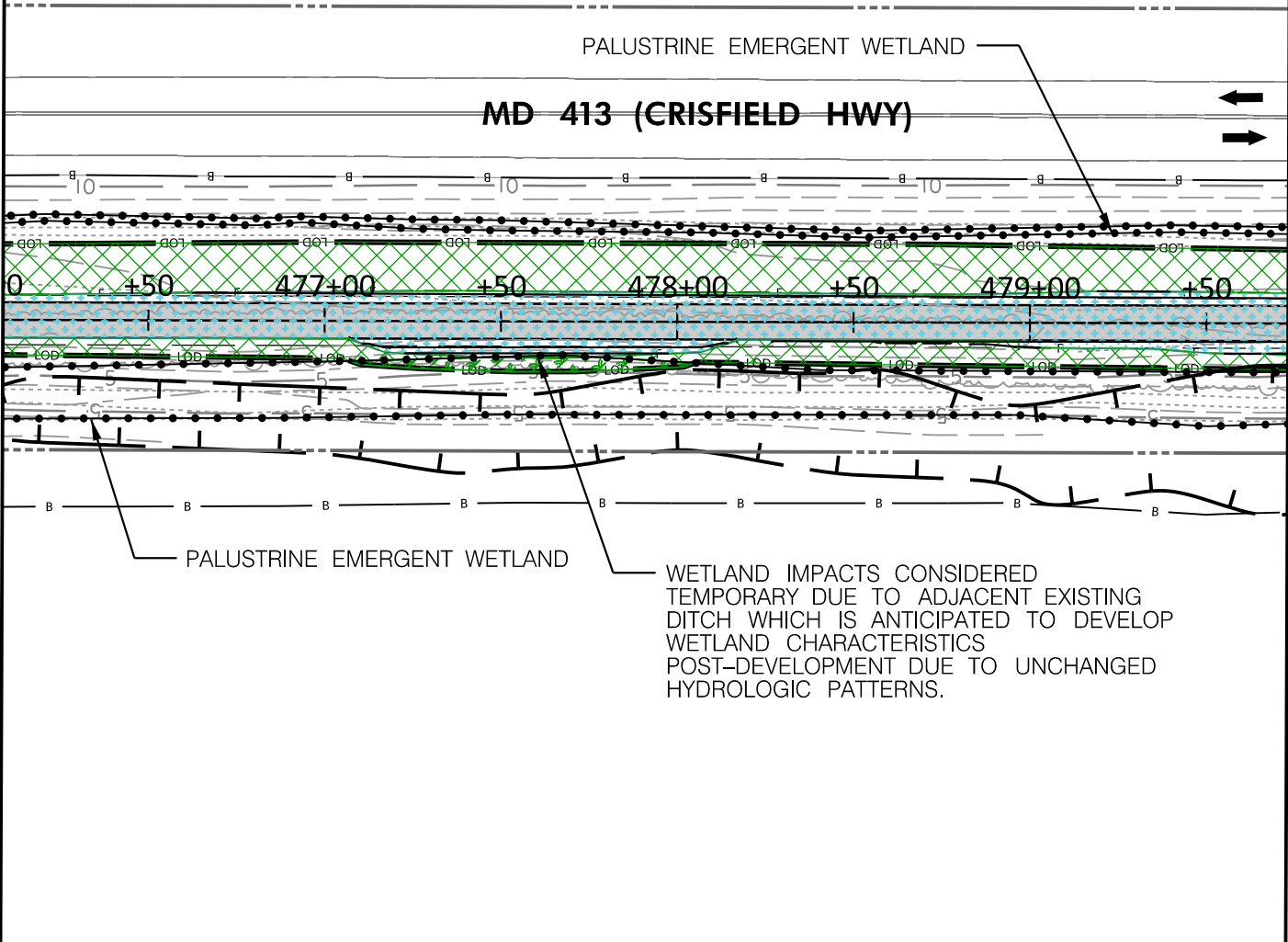
SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 21 OF 64
JUNE 2025

MATCHLINE STA. 476 + 11 SEE IMPACT PLATE #21

MATCHLINE STA. 479 + 75 SEE IMPACT PLATE #23



LEGEND

- NONTIDAL WETLAND BOUNDARY

WETLAND BUFFER

100-YEAR FLOODPLAIN

WUS / MEAN HIGH WATER LINE

LIMIT OF DISTURBANCE

TREE LINE

EX. PROPERTY BOUNDARY

CUT / FILL LINE

PROPOSED CONTOUR

EXISTING CONTOUR

TEMP. TIDAL WATER IMPACT

PERM. TIDAL WATER IMPACT

WETLAND/WUS LOSS (USACE)

TEMP. NONTIDAL PEM WETLAND IMPACT

PERM. NONTIDAL PEM WETLAND IMPACT

TEMP. NONTIDAL PFO WETLAND IMPACT

PERM. NONTIDAL PFO WETLAND IMPACT

TEMP. NONTIDAL PSS WETLAND IMPACT

PERM. NONTIDAL PSS WETLAND IMPACT

TEMP. NONTIDAL BUFFER IMPACT

PERM. NONTIDAL BUFFER IMPACT

TEMP. TIDAL ESS WETLAND IMPACT

PERM. TIDAL ESS WETLAND IMPACT

PERM. PEM WETLAND IMPACT (USACE)

PERM. PFO WETLAND IMPACT (USACE)

PERM. PSS WETLAND IMPACT (USACE)

PERM. ESS WETLAND IMPACT (USACE)

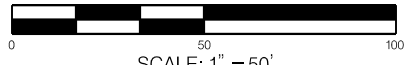
TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	294	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	6615	5502	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B



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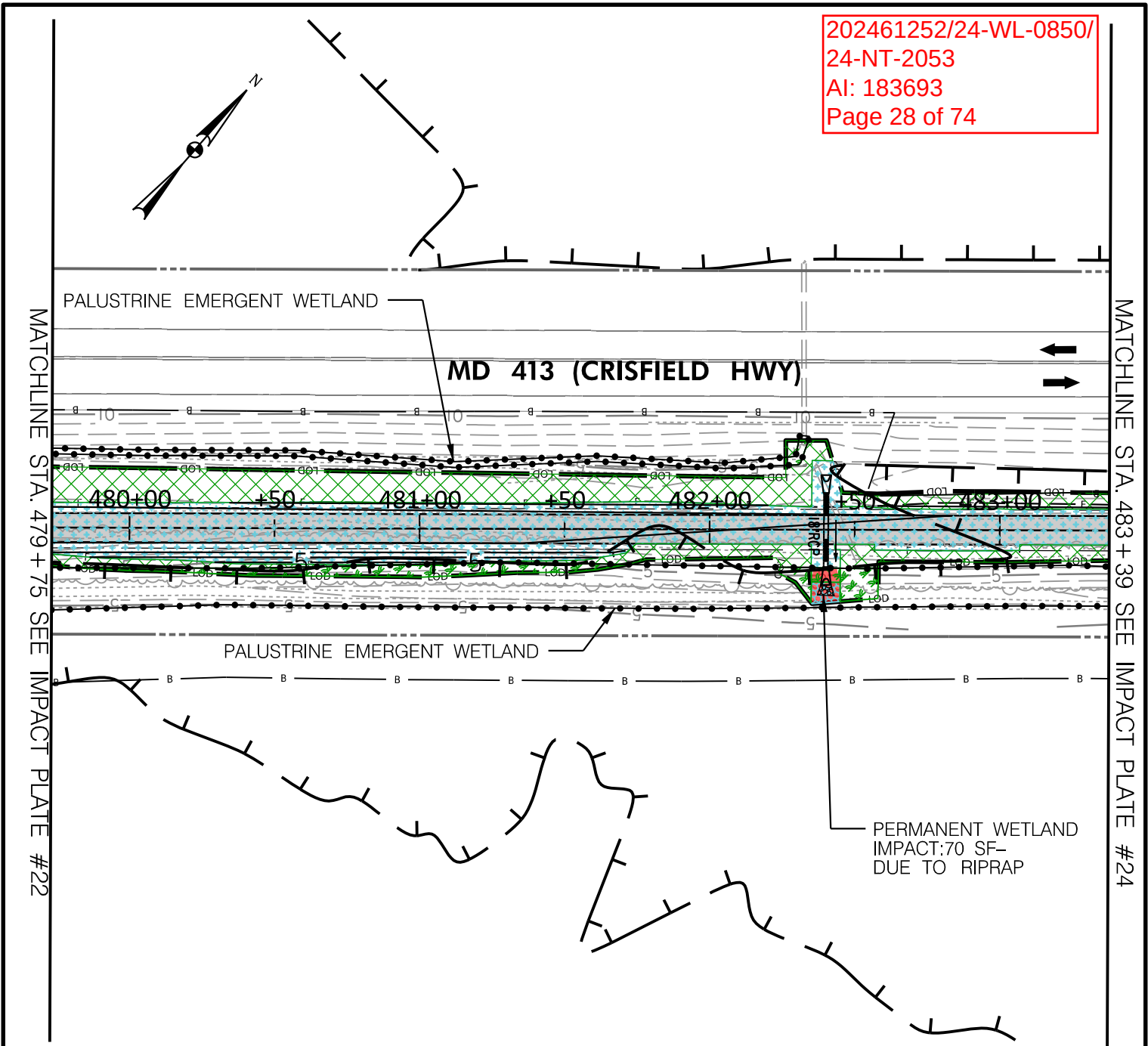
PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 22 OF 64
JUNE 2025



LEGEND

NONTIDAL WETLAND BOUNDARY
 WETLAND BUFFER
 100-YEAR FLOODPLAIN
 WATERS OF US (WUS)
 /MEAN HIGH WATER LINE
 LIMIT OF DISTURBANCE
 TREE LINE
 EX. PROPERTY BOUNDARY
 CUT / FILL LINE
 PROPOSED CONTOUR
 EXISTING CONTOUR
 TEMP. TIDAL WATER IMPACT
 PERM. TIDAL WATER IMPACT
 WETLAND/WUS LOSS (USACE)

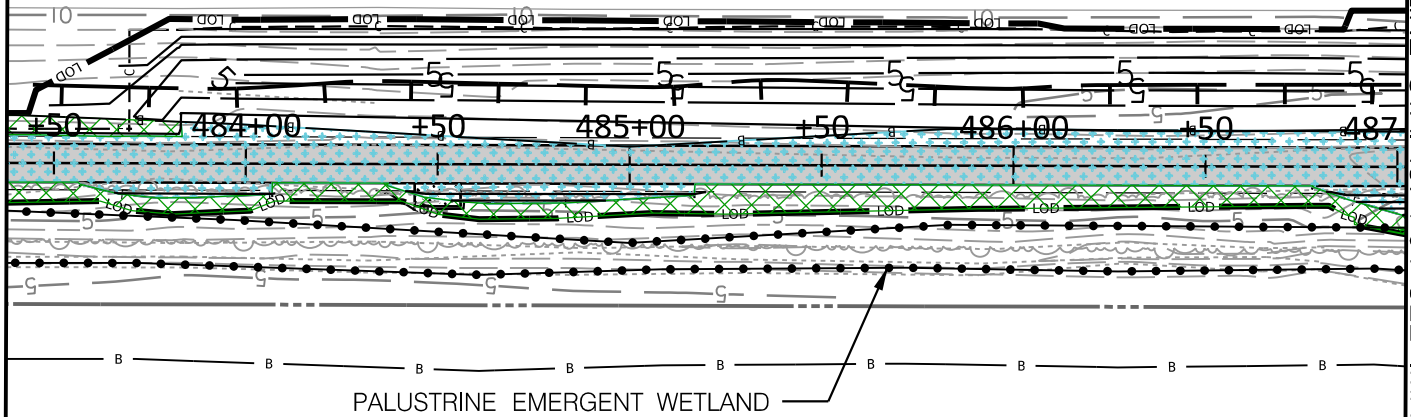
TEMP. NONTIDAL PEM WETLAND IMPACT
 PERM. NONTIDAL PEM WETLAND IMPACT
 TEMP. NONTIDAL PFO WETLAND IMPACT
 PERM. NONTIDAL PFO WETLAND IMPACT
 TEMP. NONTIDAL PSS WETLAND IMPACT
 PERM. NONTIDAL PSS WETLAND IMPACT
 TEMP. NONTIDAL BUFFER IMPACT
 PERM. NONTIDAL BUFFER IMPACT
 TEMP. TIDAL ESS WETLAND IMPACT
 PERM. TIDAL ESS WETLAND IMPACT
 PERM. PEM WETLAND IMPACT (USACE)
 PERM. PFO WETLAND IMPACT (USACE)
 PERM. PSS WETLAND IMPACT (USACE)
 PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	786	70	116
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	4491	6507	0
TIDAL WETLANDS	S.F	0	0	0

MATCHLINE STA. 483+39 SEE IMPACT PLATE #23

MATCHLINE STA. 487+04 SEE IMPACT PLATE #25

MD 413 (CRISFIELD HWY)



LEGEND

	NONTIDAL WETLAND BOUNDARY		TEMP. NONTIDAL PEM WETLAND IMPACT
	WETLAND BUFFER		PERM. NONTIDAL PEM WETLAND IMPACT
	100-YEAR FLOODPLAIN		TEMP. NONTIDAL PFO WETLAND IMPACT
	WATERS OF US (WUS) / MEAN HIGH WATER LINE		PERM. NONTIDAL PFO WETLAND IMPACT
	LIMIT OF DISTURBANCE		TEMP. NONTIDAL PSS WETLAND IMPACT
	TREE LINE		PERM. NONTIDAL PSS WETLAND IMPACT
	EX. PROPERTY BOUNDARY		TEMP. NONTIDAL BUFFER IMPACT
	CUT / FILL LINE		PERM. NONTIDAL BUFFER IMPACT
	PROPOSED CONTOUR		TEMP. TIDAL ESS WETLAND IMPACT
	EXISTING CONTOUR		PERM. TIDAL ESS WETLAND IMPACT
	TEMP. TIDAL WATER IMPACT		PERM. PEM WETLAND IMPACT (USACE)
	PERM. TIDAL WATER IMPACT		PERM. PFO WETLAND IMPACT (USACE)
	WETLAND/WUS LOSS (USACE)		PERM. PSS WETLAND IMPACT (USACE)
			PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	8	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	2087	5365	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSESSEX RIVER BRIDGE -
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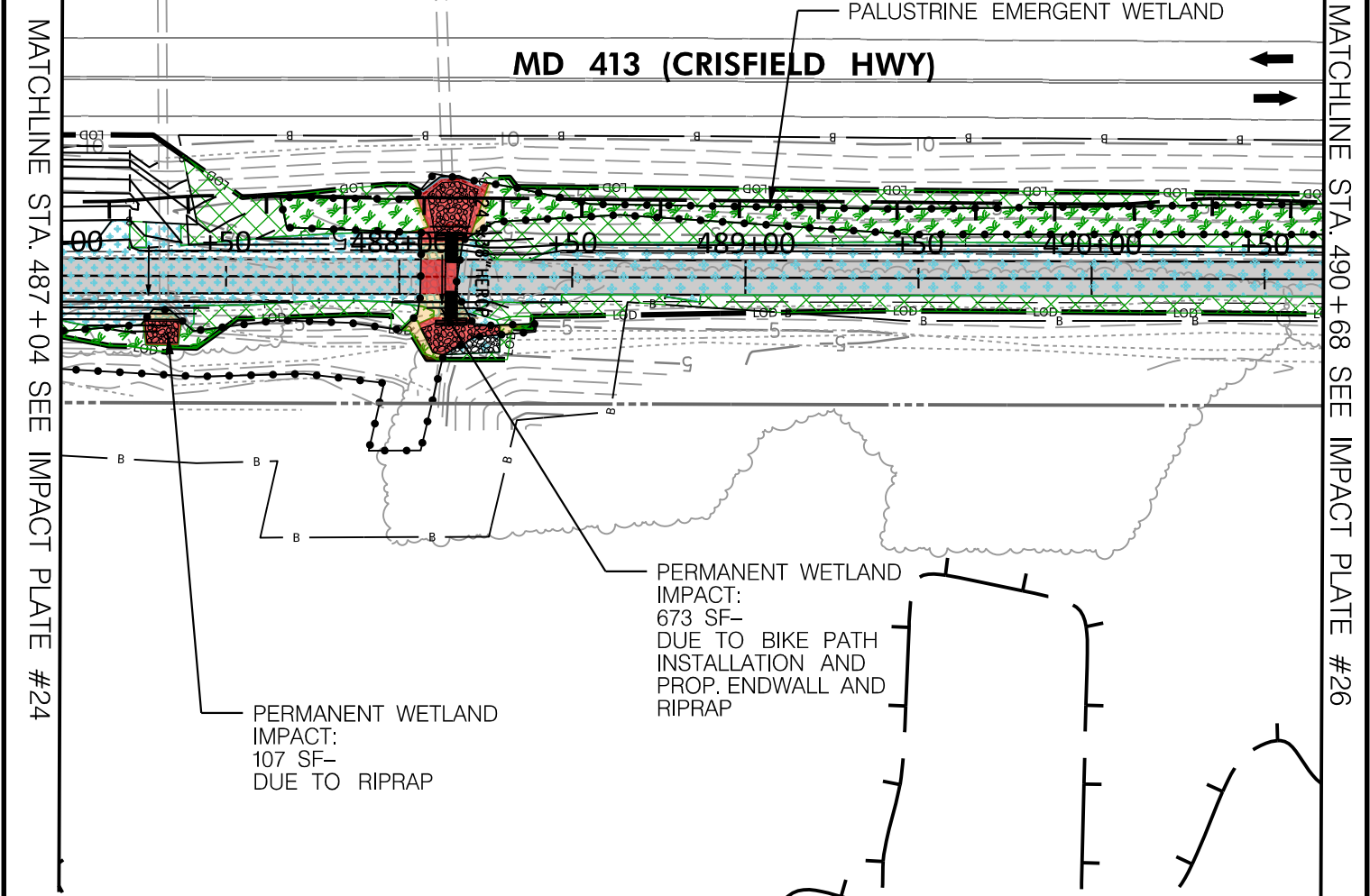
PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

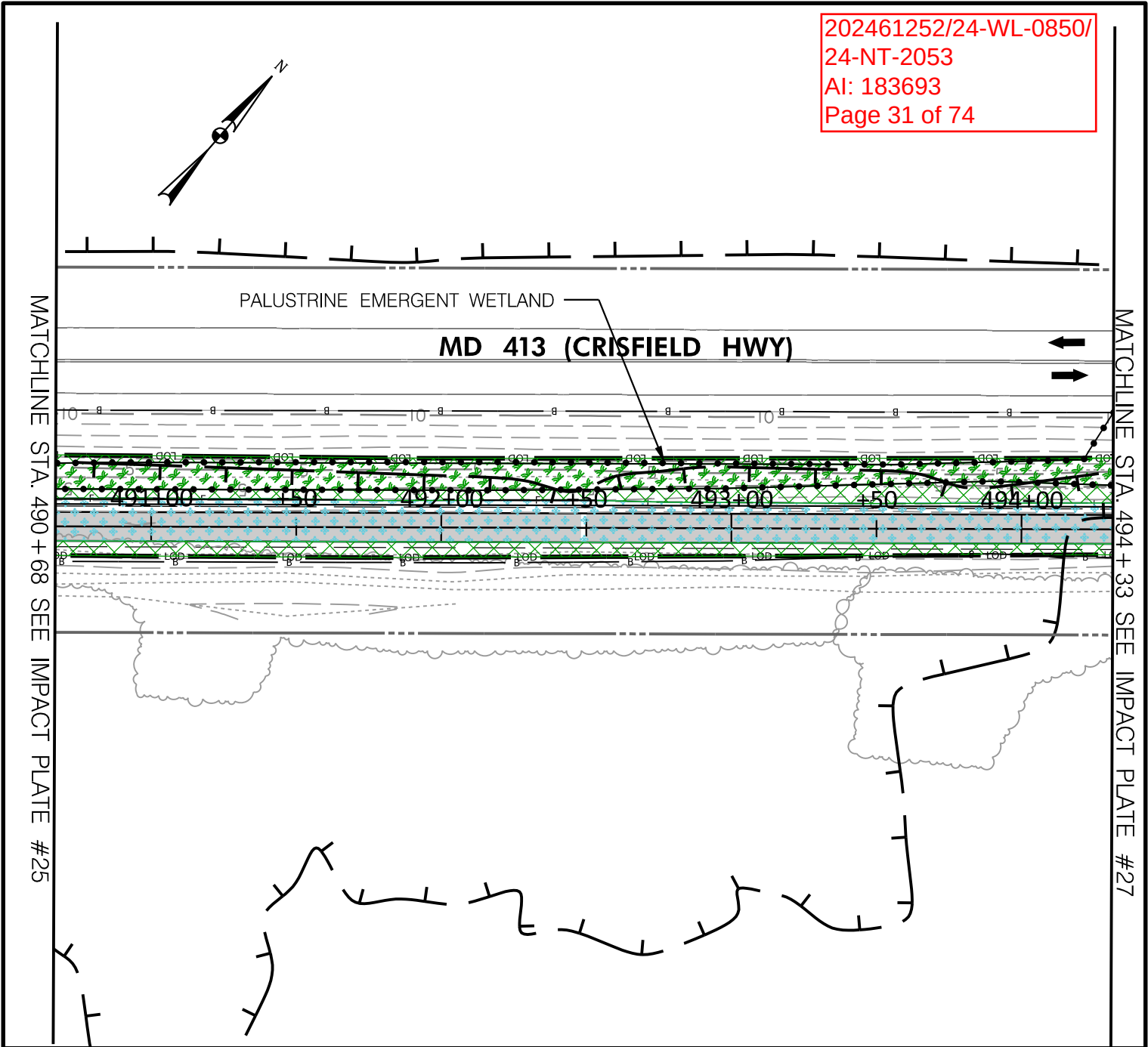
CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 24 OF 64
JUNE 2025



LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS / MEAN HIGH WATER LINE
- LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)
- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	2296	780	616
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	4308	6069	0
TIDAL WETLANDS	S.F	0	0	0



LEGEND

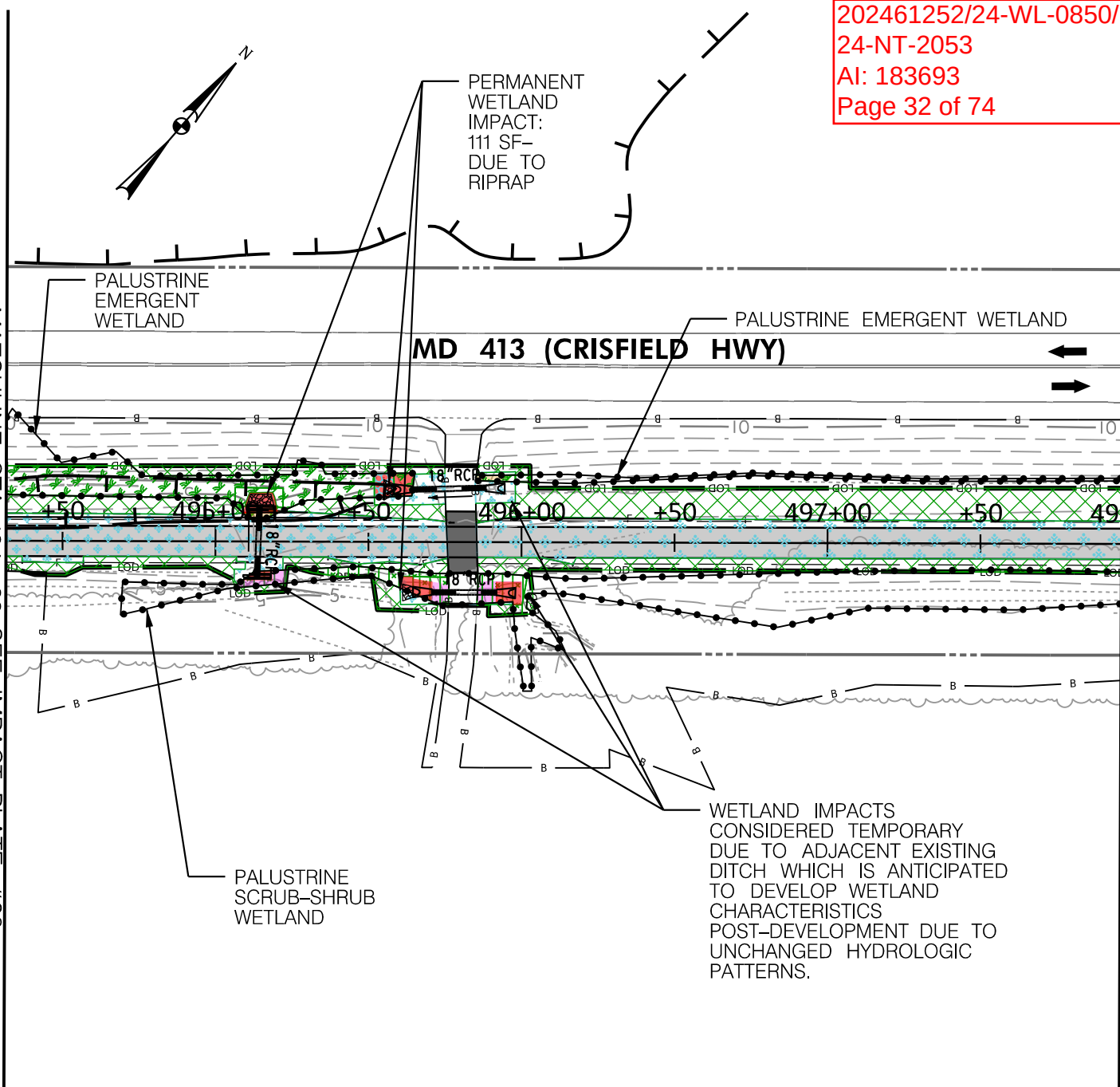
- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS / MEAN HIGH WATER LINE
- LOD LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	3159	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	4034	5194	0
TIDAL WETLANDS	S.F	0	0	0

MATCHLINE STA. 494 + 33 SEE IMPACT PLATE #26

MATCHLINE STA. 497 + 98 SEE IMPACT PLATE #28



LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WATERS OF US (WUS) / MEAN HIGH WATER LINE
- LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)
- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	1182	91	159
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	487	20	136
NONTIDAL WETLAND BUFFER	S.F	4552	5109	0
TIDAL WETLANDS	S.F	0	0	0

202461252/24-WL-0850/
24-NT-2053

AI: 183693

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WETLAND IMPACT
CONSIDERED
DUE TO ADJACENT EXISTING
DITCH WHICH IS ANTICIPATED
TO DEVELOP WETLAND
CHARACTERISTICS
POST-DEVELOPMENT DUE TO
UNCHANGED HYDROLOGIC
PATTERNS.

MATCHLINE STA. 501 + 72 SEE IMPACT PLATE #28

MATCHLINE STA. 505 + 27 SEE IMPACT PLATE #30

MD 413 (CRISFIELD HWY)

502+00

503+00

504+00

505+00

PALUSTRINE SCRUB-SHRUB WETLAND

PALUSTRINE EMERGENT WETLAND

LEGEND

	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS) / MEAN HIGH WATER LINE
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)

	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	3618	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	38	0	0
NONTIDAL WETLAND BUFFER	S.F	2836	4139	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -
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PLAN VIEW



SCALE: 1" = 50'

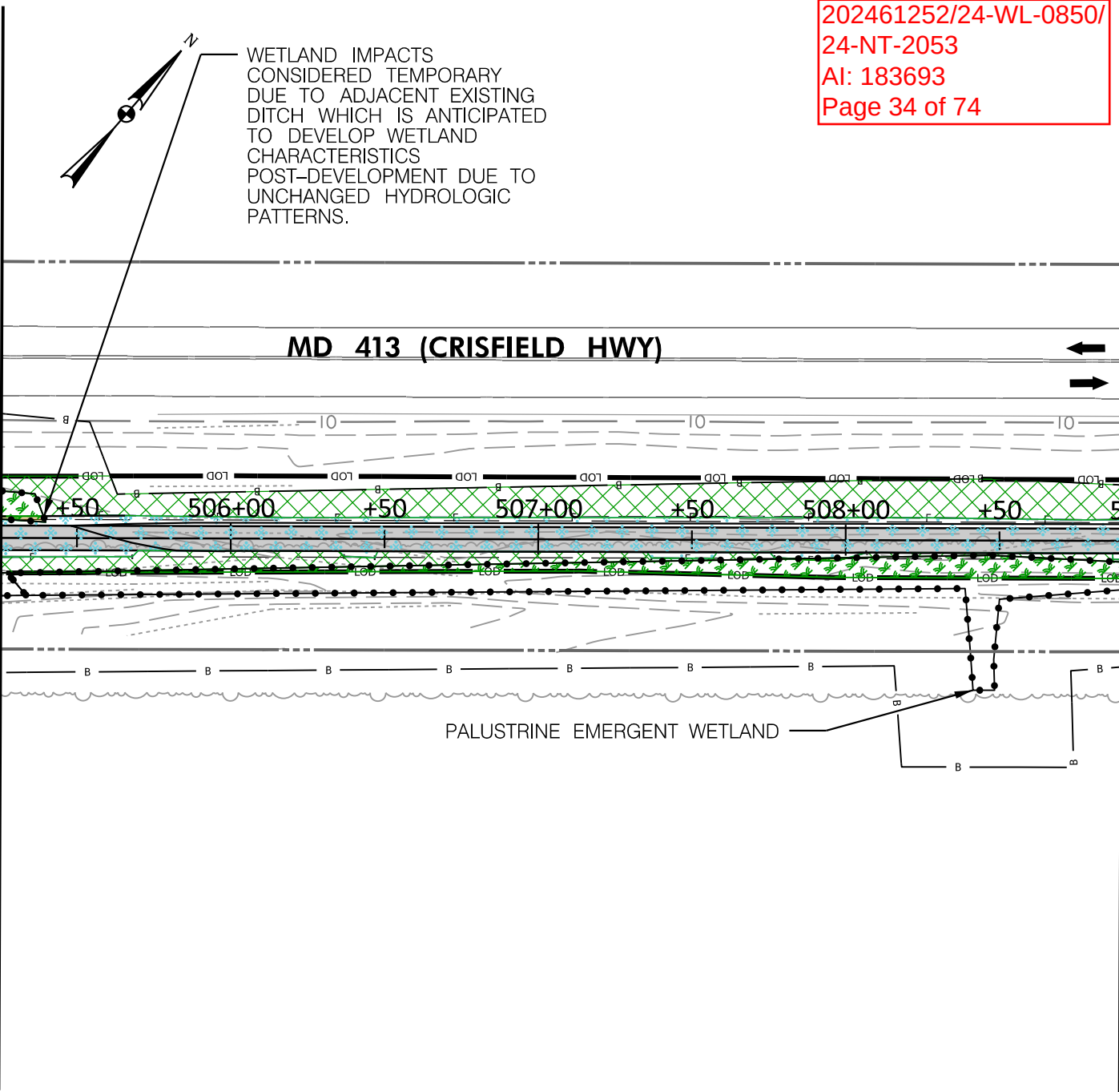
MDOT MARYLAND DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 29 OF 64
JUNE 2025

MATCHLINE STA. 505 + 27 SEE IMPACT PLATE #29

MATCHLINE STA. 508 + 92 SEE IMPACT PLATE #31

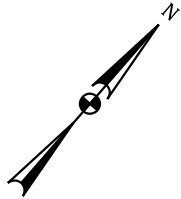


LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WATERS OF US (WUS) / MEAN HIGH WATER LINE
- LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	1356	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	4953	4274	0
TIDAL WETLANDS	S.F	0	0	0

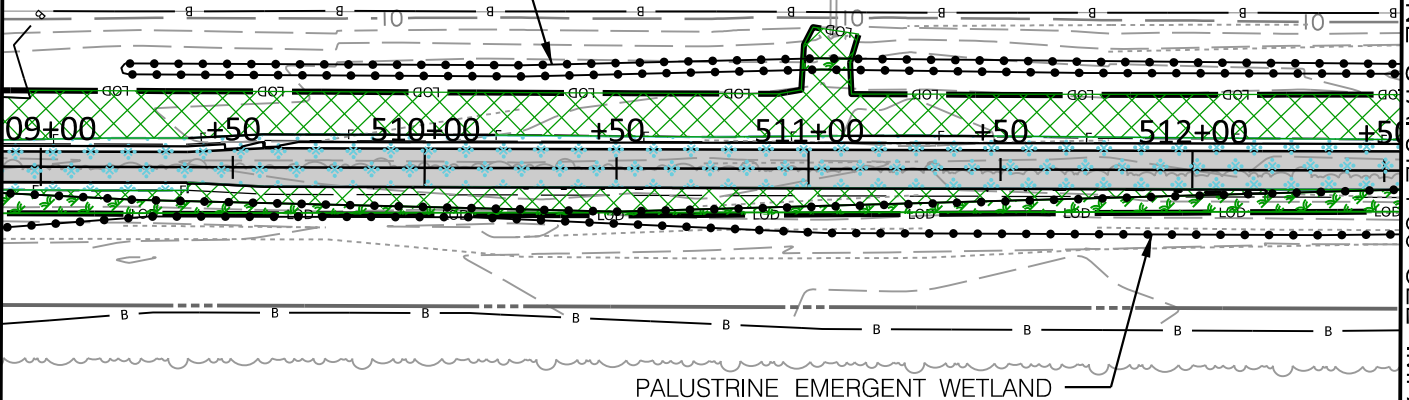


MATCHLINE STA. 508 + 92 SEE IMPACT PLATE #30

PALUSTRINE EMERGENT WETLAND

MD 413 (CRISFIELD HWY)

MATCHLINE STA. 512 + 56 SEE IMPACT PLATE #32



LEGEND

	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS)
	MEAN HIGH WATER LINE
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

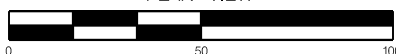
TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	1140	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	5624	4894	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
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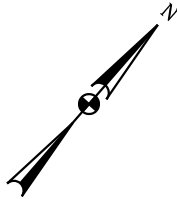
PLAN VIEW



SCALE: 1" = 50'

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STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

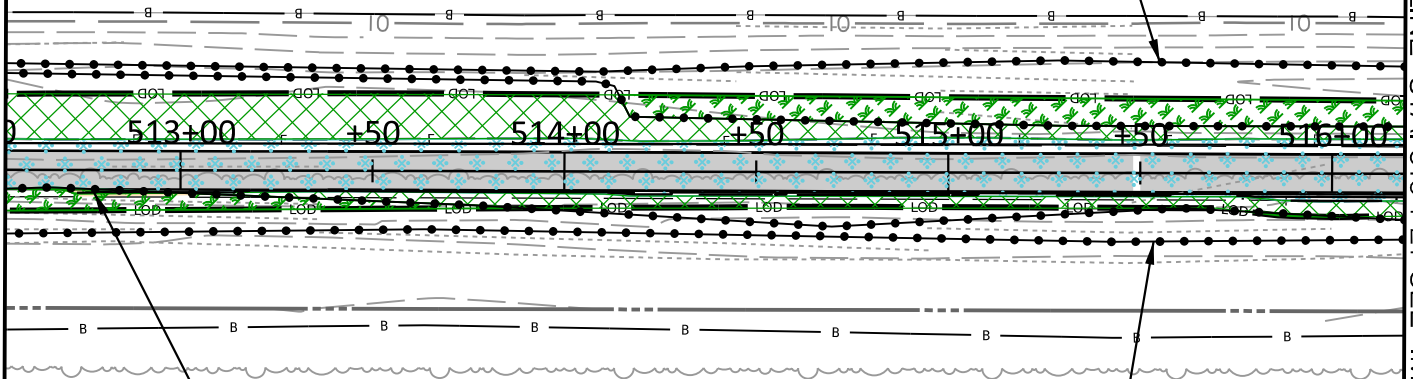
CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 31 OF 64
JUNE 2025



MATCHLINE STA. 512 + 56 SEE IMPACT PLATE #31

MATCHLINE STA. 516 + 21 SEE IMPACT PLATE #33

PALUSTRINE EMERGENT WETLAND
MD 413 (CRISFIELD HWY)



WETLAND IMPACTS
CONSIDERED TEMPORARY
DUE TO ADJACENT EXISTING
DITCH WHICH IS ANTICIPATED
TO DEVELOP WETLAND
CHARACTERISTICS
POST-DEVELOPMENT DUE TO
UNCHANGED HYDROLOGIC
PATTERNS.

PALUSTRINE
EMERGENT
WETLAND

LEGEND

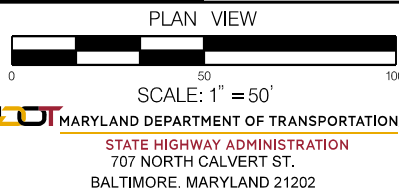
	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS) / MEAN HIGH WATER LINE
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	1821	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	3664	5275	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B

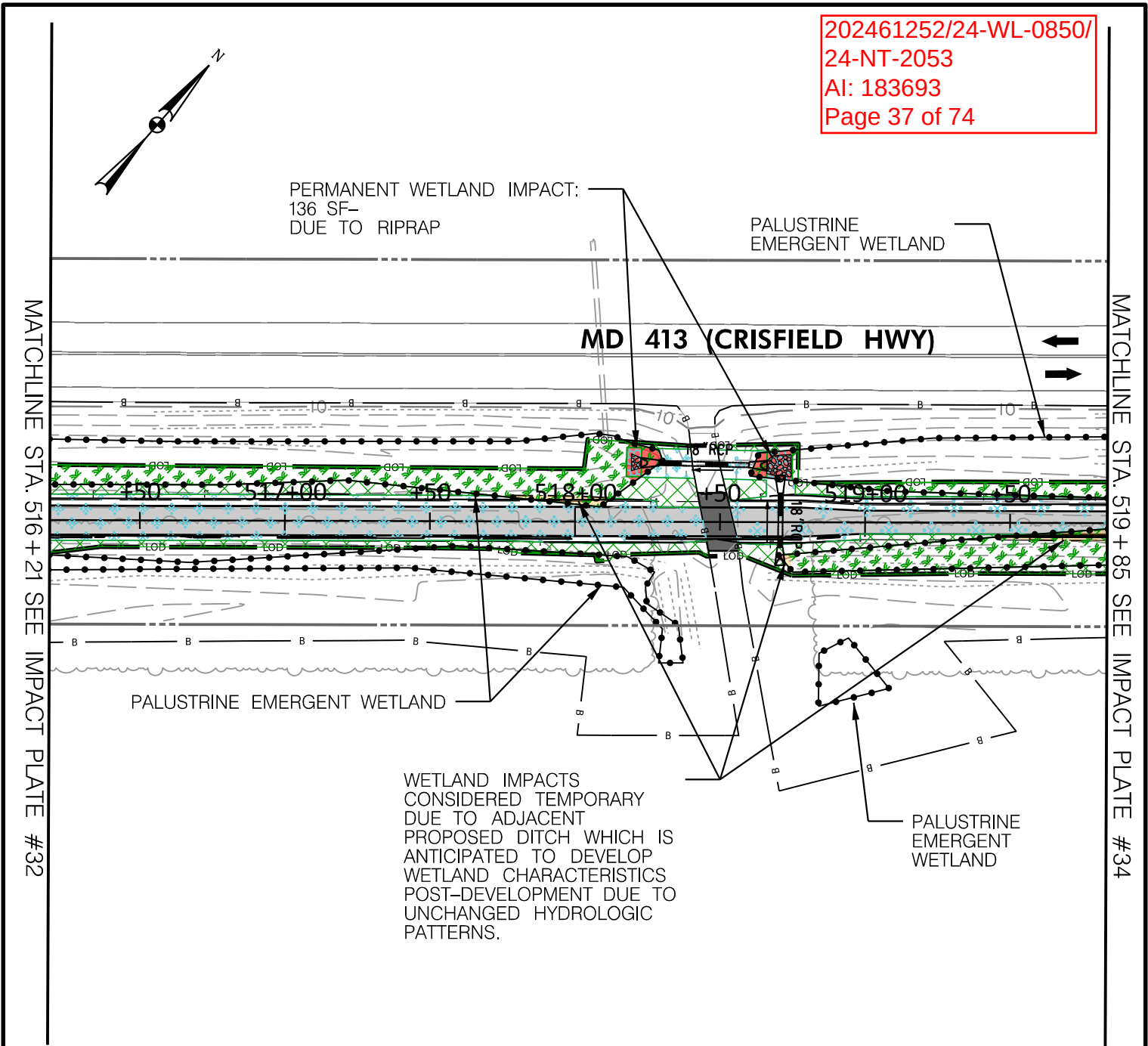


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STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 32 OF 64
JUNE 2025



LEGEND

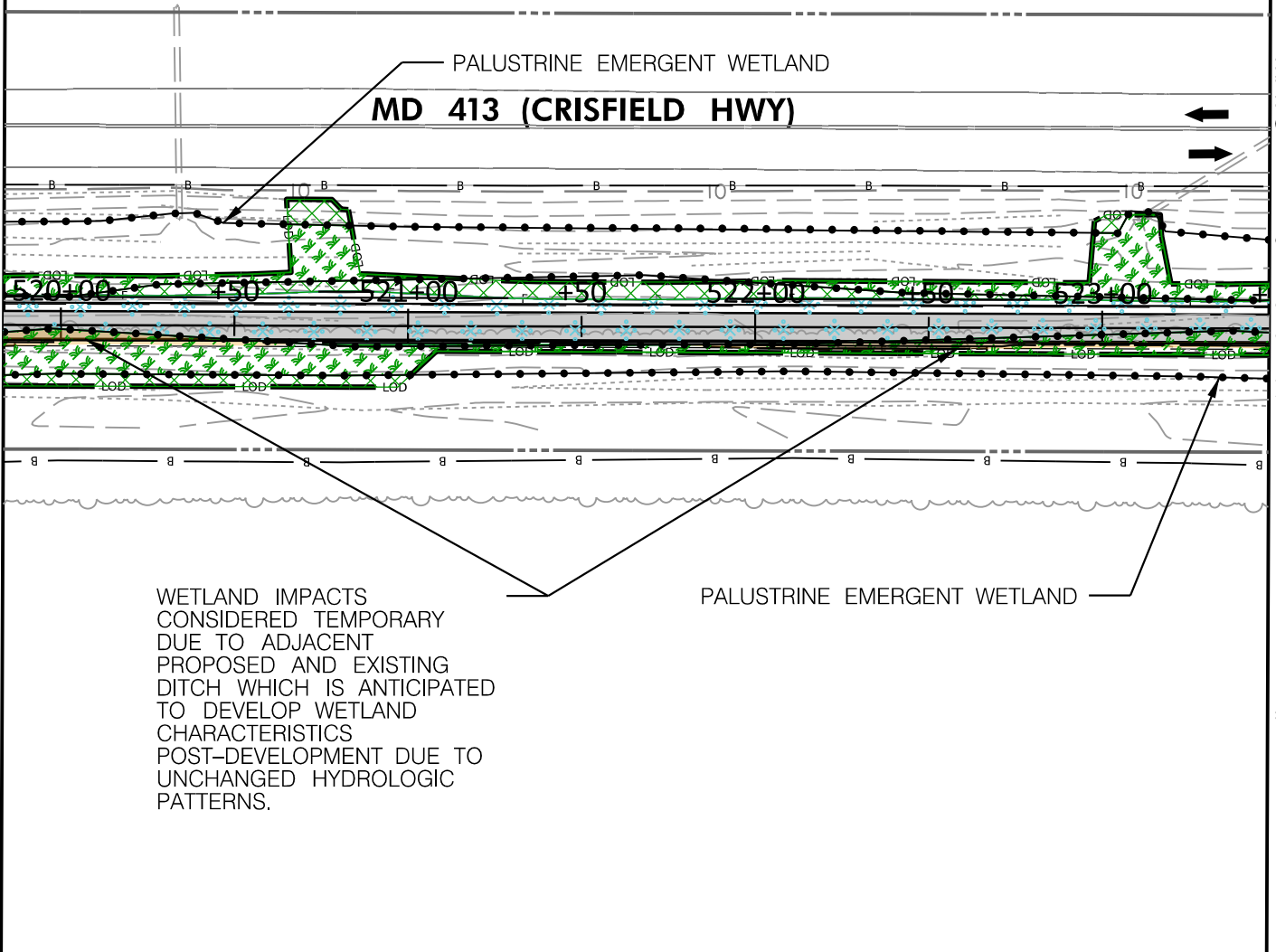
- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS / MEAN HIGH WATER LINE
- LOD LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	3210	136	234
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	2246	5517	0
TIDAL WETLANDS	S.F	0	0	0

MATCHLINE STA. 519+85 SEE IMPACT PLATE #33

MATCHLINE STA. 523+50 SEE IMPACT PLATE #35



LEGEND

	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS)
	/MEAN HIGH WATER LINE
	LOD
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	3680	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	1589	4404	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B



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PLAN VIEW



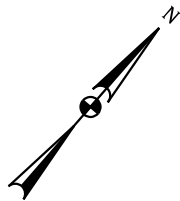
SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 34 OF 64
JUNE 2025

MATCHLINE STA. 523+50 SEE IMPACT PLATE #34

MATCHLINE STA. 527+15 SEE IMPACT PLATE #36



MD 413 (CRISFIELD HWY)

PALUSTRINE EMERGENT WETLAND

PALUSTRINE EMERGENT WETLAND

WETLAND IMPACTS
CONSIDERED TEMPORARY
DUE TO ADJACENT EXISTING
DITCH WHICH IS ANTICIPATED
TO DEVELOP WETLAND
CHARACTERISTICS
POST-DEVELOPMENT DUE TO
UNCHANGED HYDROLOGIC
PATTERNS.

LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WATERS OF US (WUS) /MEAN HIGH WATER LINE
- LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT /FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

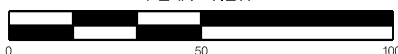
TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	2568	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	1066	4156	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSESX RIVER BRIDGE -
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PLAN VIEW



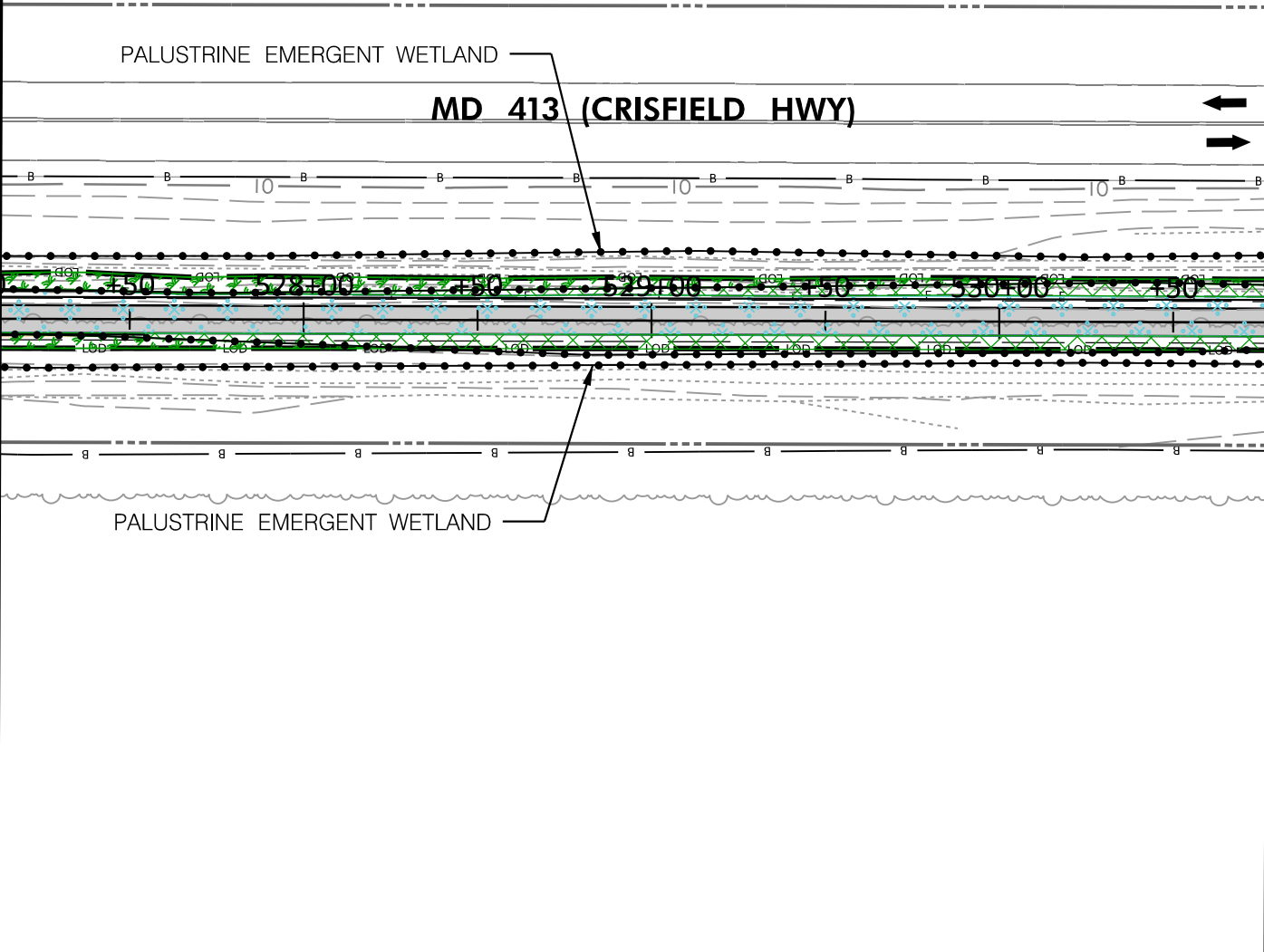
SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 35 OF 64
JUNE 2025

MATCHLINE STA. 527 + 15 SEE IMPACT PLATE #35

MATCHLINE STA. 530 + 80 SEE IMPACT PLATE #37

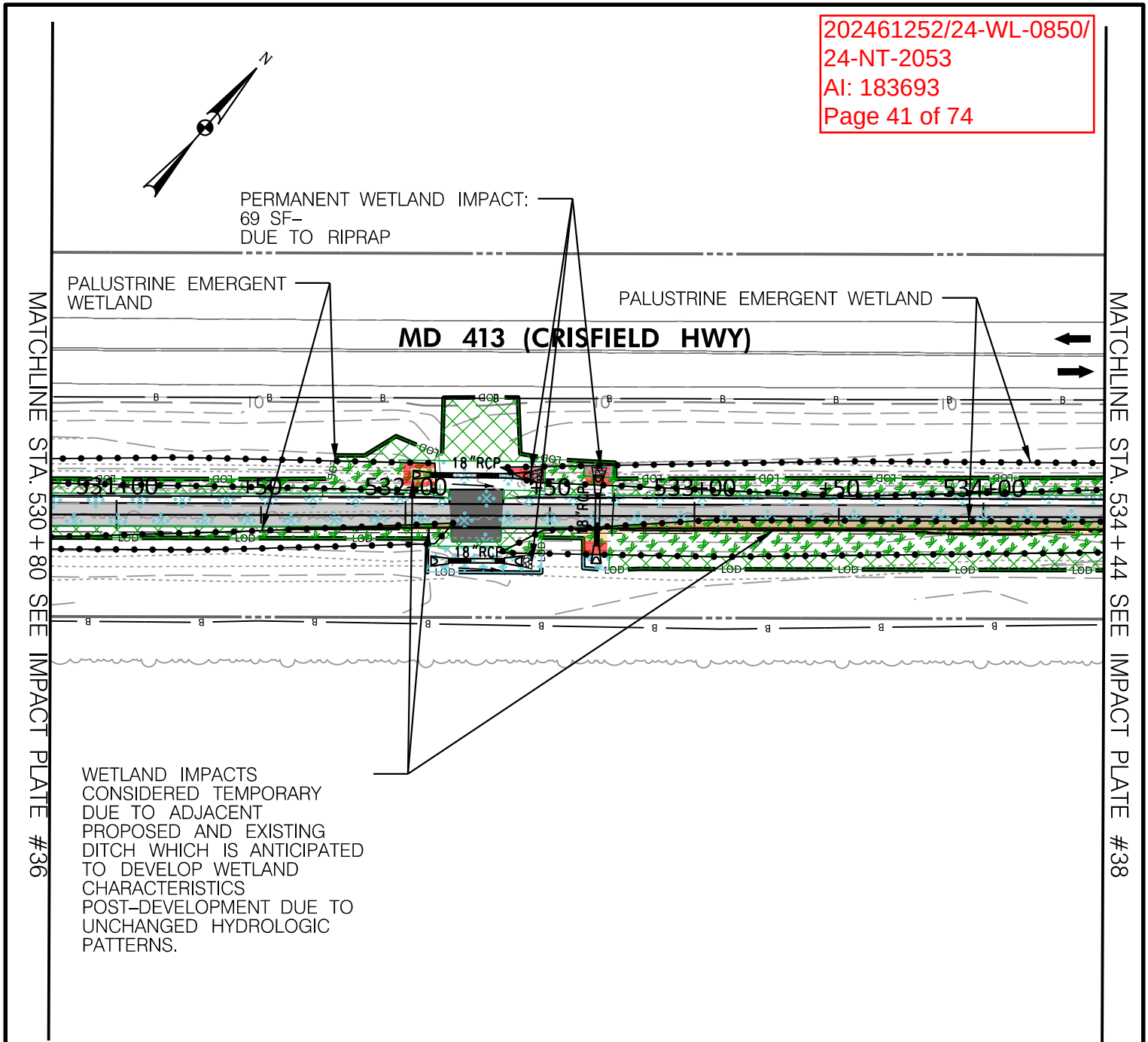


LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS / MEAN HIGH WATER LINE
- LOD LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	1370	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	1950	4170	0
TIDAL WETLANDS	S.F	0	0	0



WETLAND IMPACTS
CONSIDERED TEMPORARY
DUE TO ADJACENT
PROPOSED AND EXISTING
DITCH WHICH IS ANTICIPATED
TO DEVELOP WETLAND
CHARACTERISTICS
POST-DEVELOPMENT DUE TO
UNCHANGED HYDROLOGIC
PATTERNS.

LEGEND

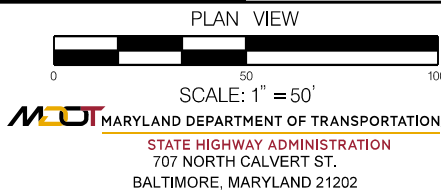
	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS)
	/MEAN HIGH WATER LINE
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	4033	69	203
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	2594	4572	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSESX RIVER BRIDGE -
PHASE 2A&2B



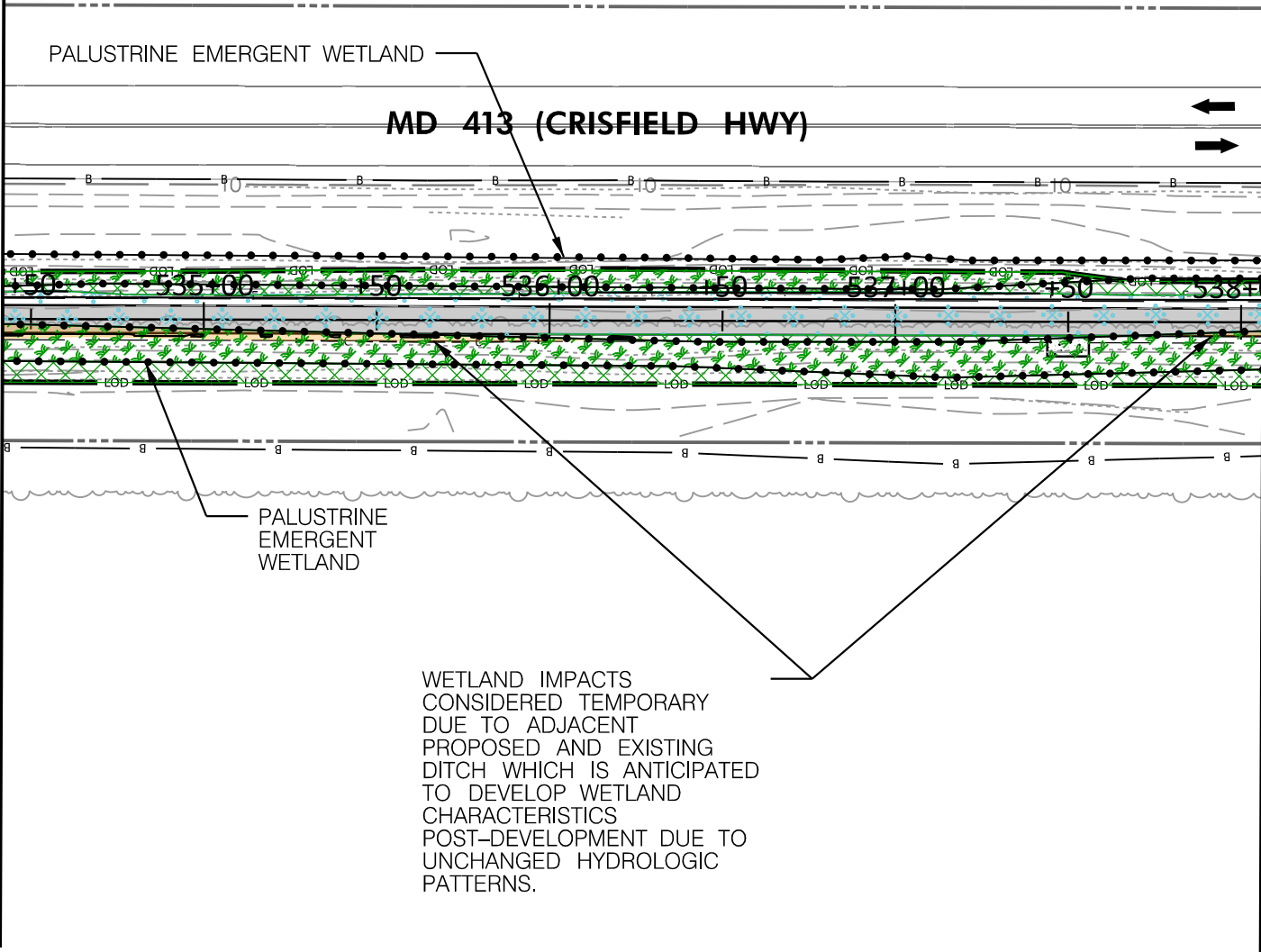
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Consulting Engineers
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Columbia, Maryland 21044
Phone 410-884-3607
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CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 37 OF 64
JUNE 2025

MATCHLINE STA. 534+44 SEE IMPACT PLATE #37

MATCHLINE STA. 538+08 SEE IMPACT PLATE #39



WETLAND IMPACTS
 CONSIDERED TEMPORARY
 DUE TO ADJACENT
 PROPOSED AND EXISTING
 DITCH WHICH IS ANTICIPATED
 TO DEVELOP WETLAND
 CHARACTERISTICS
 POST-DEVELOPMENT DUE TO
 UNCHANGED HYDROLOGIC
 PATTERNS.

LEGEND

NONTIDAL WETLAND BOUNDARY
 WETLAND BUFFER
 100-YEAR FLOODPLAIN
 WATERS OF US (WUS)
 /MEAN HIGH WATER LINE
 LIMIT OF DISTURBANCE
 TREE LINE
 EX. PROPERTY BOUNDARY
 CUT /FILL LINE
 PROPOSED CONTOUR
 EXISTING CONTOUR
 TEMP. TIDAL WATER IMPACT
 PERM. TIDAL WATER IMPACT
 WETLAND/WUS LOSS (USACE)

TEMP. NONTIDAL PEM WETLAND IMPACT
 PERM. NONTIDAL PEM WETLAND IMPACT
 TEMP. NONTIDAL PFO WETLAND IMPACT
 PERM. NONTIDAL PFO WETLAND IMPACT
 TEMP. NONTIDAL PSS WETLAND IMPACT
 PERM. NONTIDAL PSS WETLAND IMPACT
 TEMP. NONTIDAL BUFFER IMPACT
 PERM. NONTIDAL BUFFER IMPACT
 TEMP. TIDAL ESS WETLAND IMPACT
 PERM. TIDAL ESS WETLAND IMPACT
 PERM. PEM WETLAND IMPACT (USACE)
 PERM. PFO WETLAND IMPACT (USACE)
 PERM. PSS WETLAND IMPACT (USACE)
 PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	4844	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	2798	4177	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSESSEX RIVER BRIDGE -
PHASE 2A&2B

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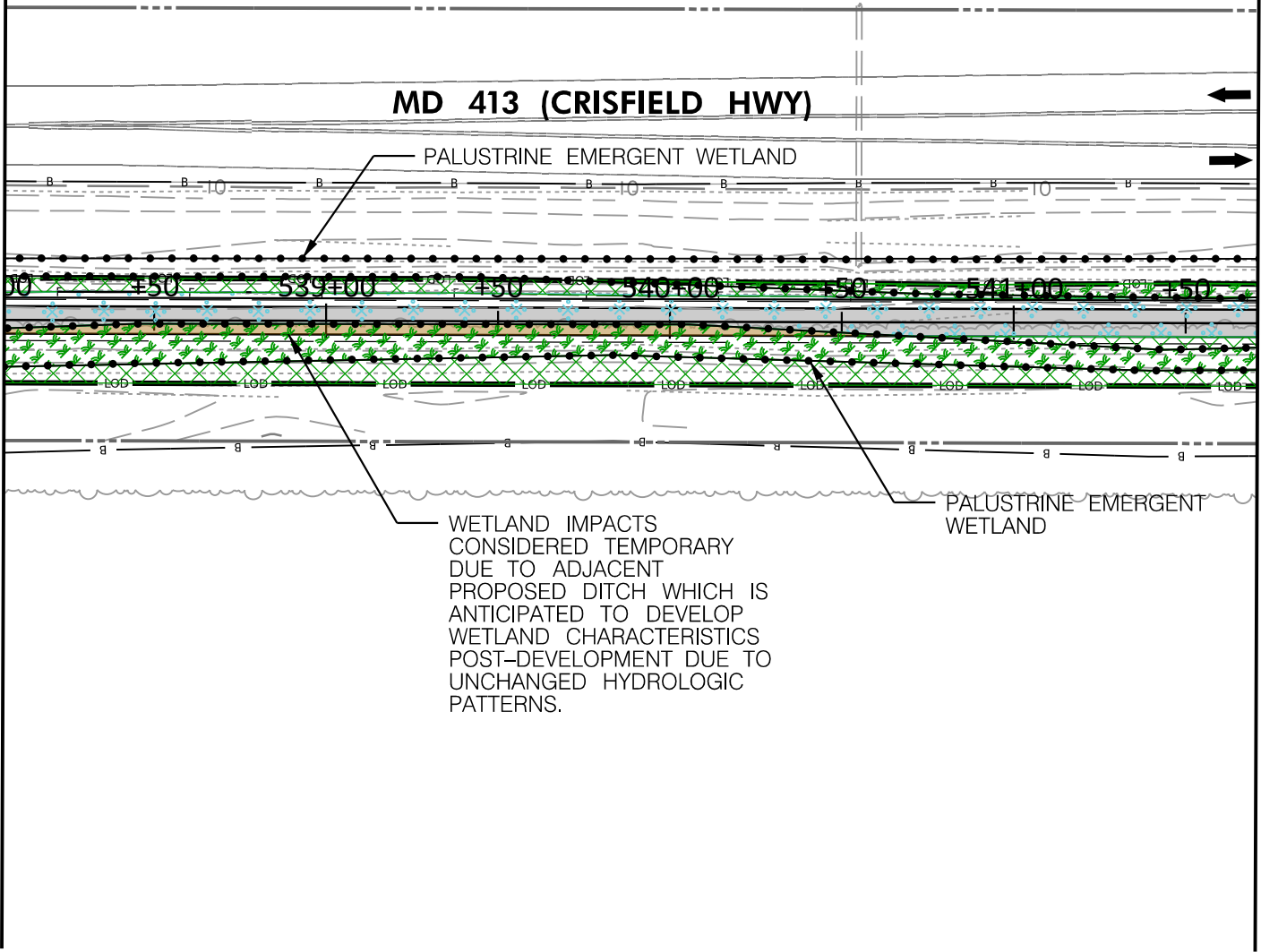
PLAN VIEW

SCALE: 1" = 50'
 MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 38 OF 64
JUNE 2025

MATCHLINE STA. 538 + 08 SEE IMPACT PLATE #38

MATCHLINE STA. 541 + 73 SEE IMPACT PLATE #40



LEGEND

- NONTIDAL WETLAND BOUNDARY

WETLAND BUFFER

100-YEAR FLOODPLAIN

WATERS OF US (WUS) / MEAN HIGH WATER LINE

LIMIT OF DISTURBANCE

TREE LINE

EX. PROPERTY BOUNDARY

CUT / FILL LINE

PROPOSED CONTOUR

EXISTING CONTOUR

TEMP. TIDAL WATER IMPACT

PERM. TIDAL WATER IMPACT

WETLAND/WUS LOSS (USACE)

TEMP. NONTIDAL PEM WETLAND IMPACT

PERM. NONTIDAL PEM WETLAND IMPACT

TEMP. NONTIDAL PFO WETLAND IMPACT

PERM. NONTIDAL PFO WETLAND IMPACT

TEMP. NONTIDAL PSS WETLAND IMPACT

PERM. NONTIDAL PSS WETLAND IMPACT

TEMP. NONTIDAL BUFFER IMPACT

PERM. NONTIDAL BUFFER IMPACT

TEMP. TIDAL ESS WETLAND IMPACT

PERM. TIDAL ESS WETLAND IMPACT

PERM. PEM WETLAND IMPACT (USACE)

PERM. PFO WETLAND IMPACT (USACE)

PERM. PSS WETLAND IMPACT (USACE)

PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S,F	3808	0	0
NONTIDAL WETLANDS (PFO)	S,F	0	0	0
NONTIDAL WETLANDS (PSS)	S,F	0	0	0
NONTIDAL WETLAND BUFFER	S,F	3584	3574	0
TIDAL WETLANDS	S,F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSESSEX RIVER BRIDGE -
PHASE 2A&2B



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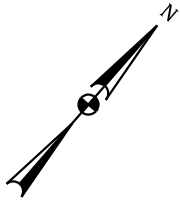
PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 39 OF 64
JUNE 2025



MATCHLINE STA. 541+73 SEE IMPACT PLATE #39

MATCHLINE STA. 545+37 SEE IMPACT PLATE #41

PALUSTRINE EMERGENT WETLAND
MD 413 (CRISFIELD HWY)

WETLAND IMPACTS
CONSIDERED TEMPORARY
DUE TO ADJACENT
PROPOSED DITCH WHICH IS
ANTICIPATED TO DEVELOP
WETLAND CHARACTERISTICS
POST-DEVELOPMENT DUE TO
UNCHANGED HYDROLOGIC
PATTERNS.

LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS / MEAN HIGH WATER LINE
- LOD
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	2751	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	4607	3673	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B



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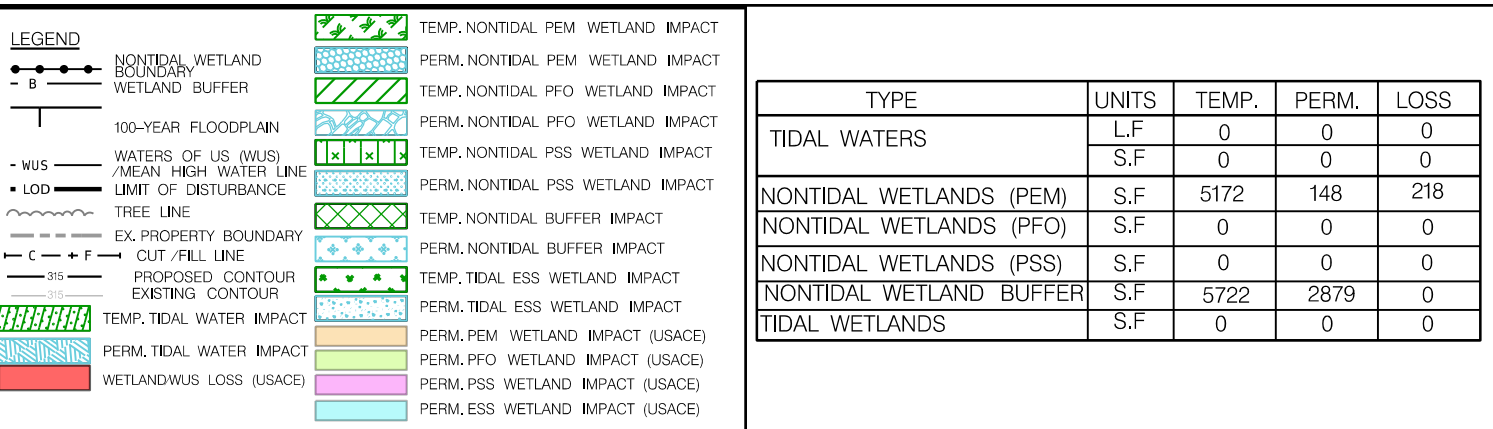
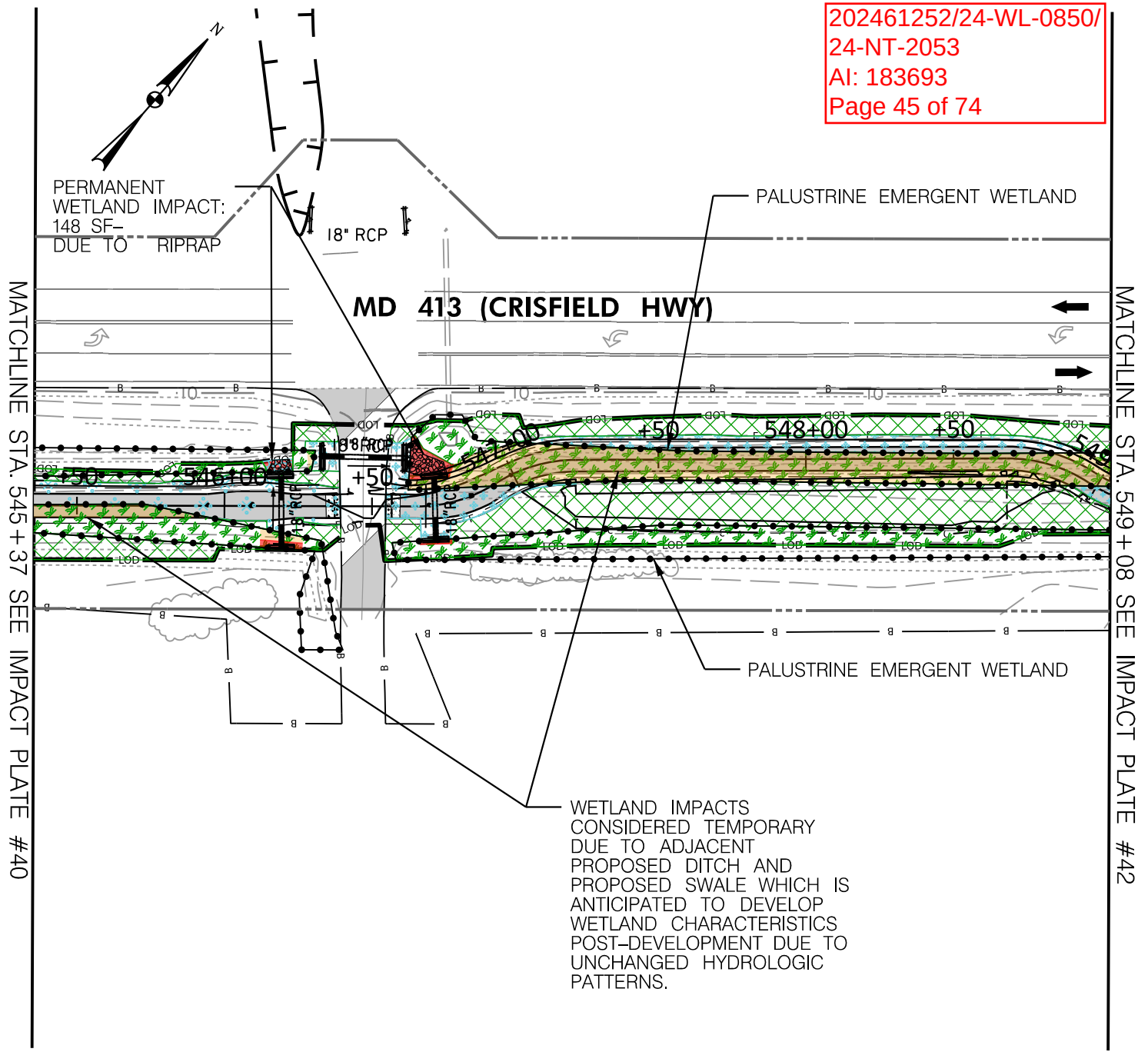
PLAN VIEW

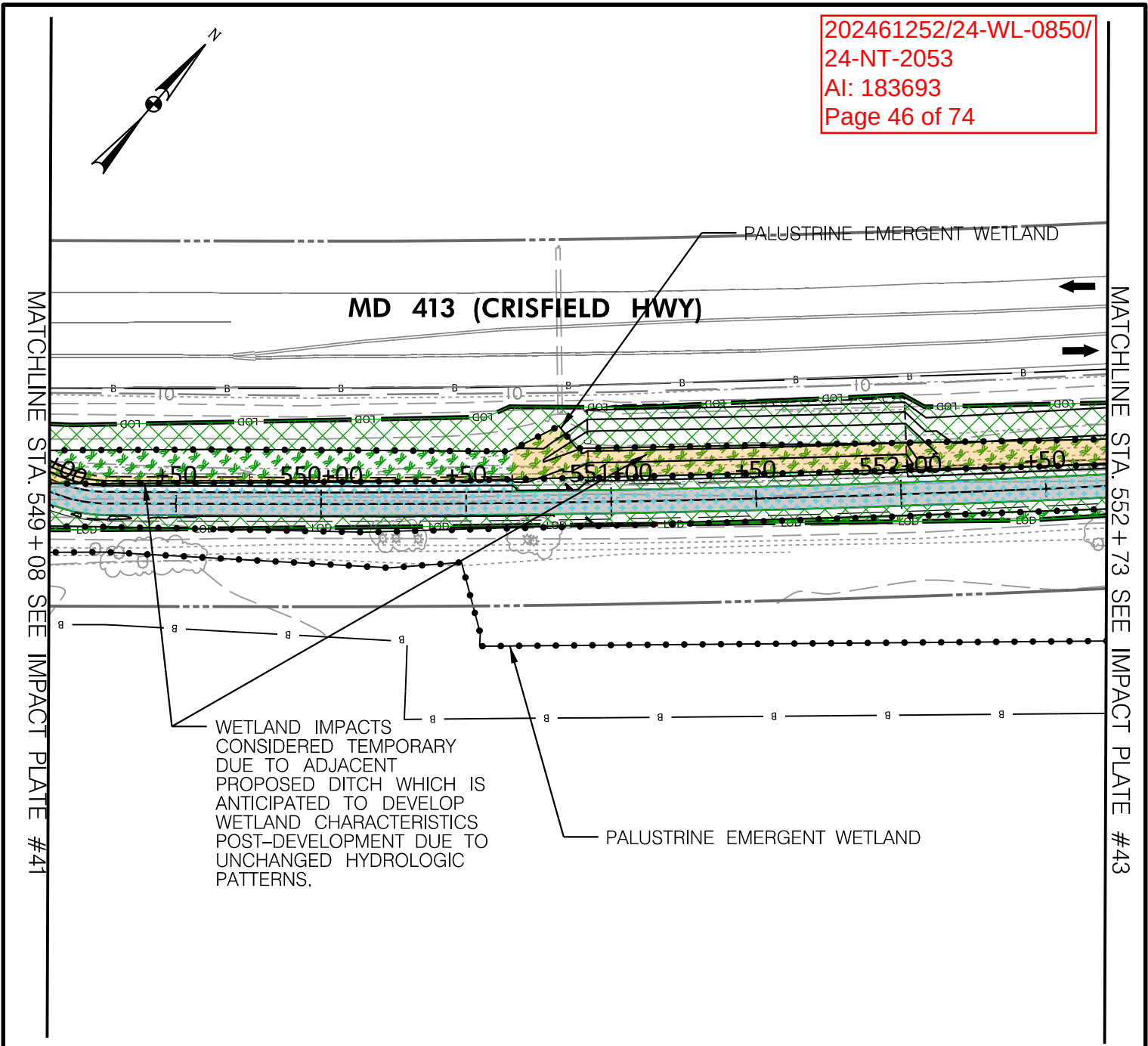


SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 40 OF 64
JUNE 2025





LEGEND

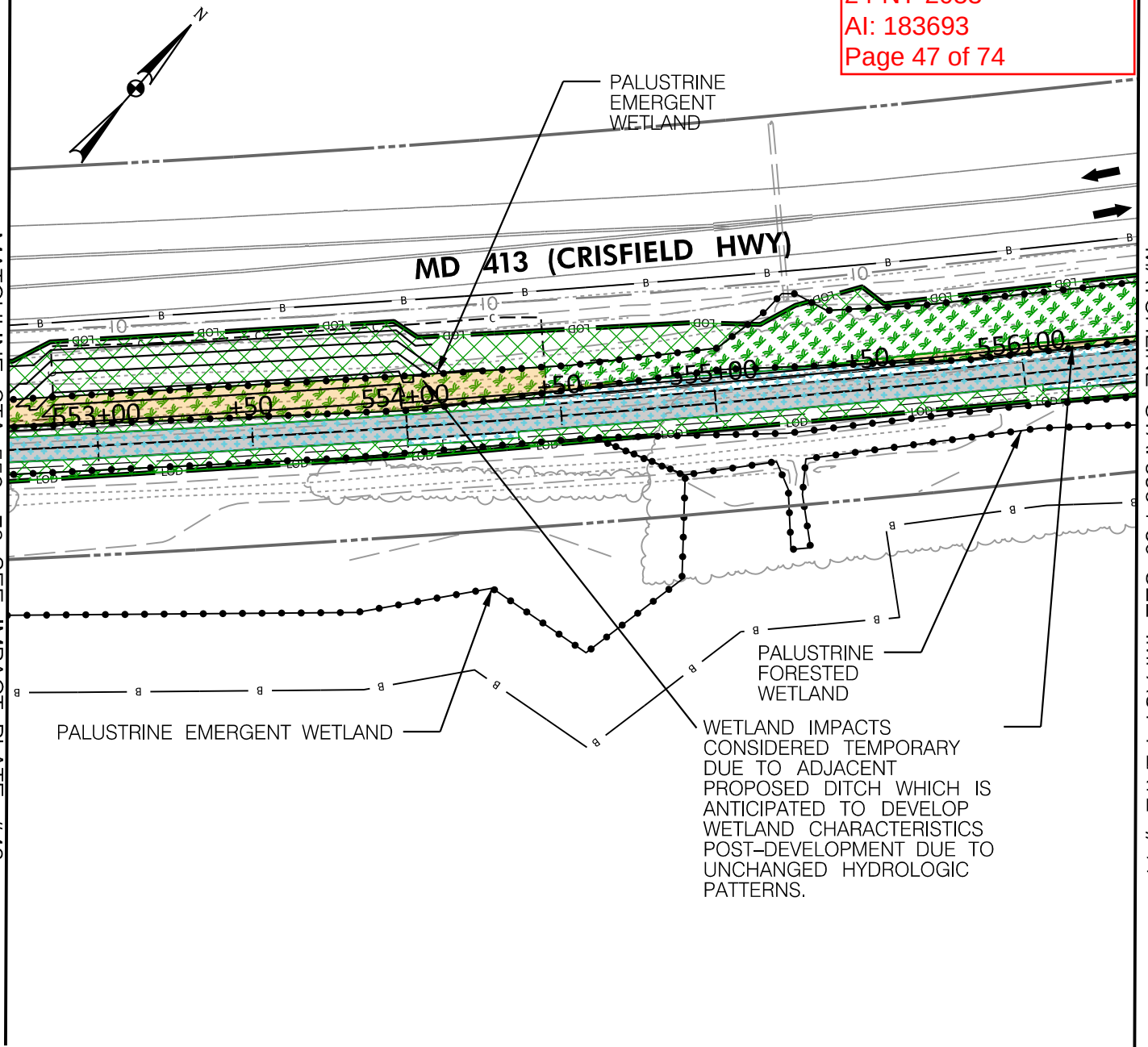
- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS / MEAN HIGH WATER LINE
- LOD
- LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	4110	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	6761	3435	0
TIDAL WETLANDS	S.F	0	0	0

MATCHLINE STA. 552+73 SEE IMPACT PLATE #42

MATCHLINE STA. 556+39 SEE IMPACT PLATE #44



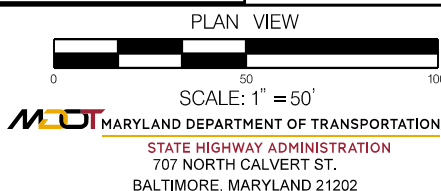
LEGEND	
	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS)
	/MEAN HIGH WATER LINE
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	4851	0	0
NONTIDAL WETLANDS (PFO)	S.F	7	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	5670	3832	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B

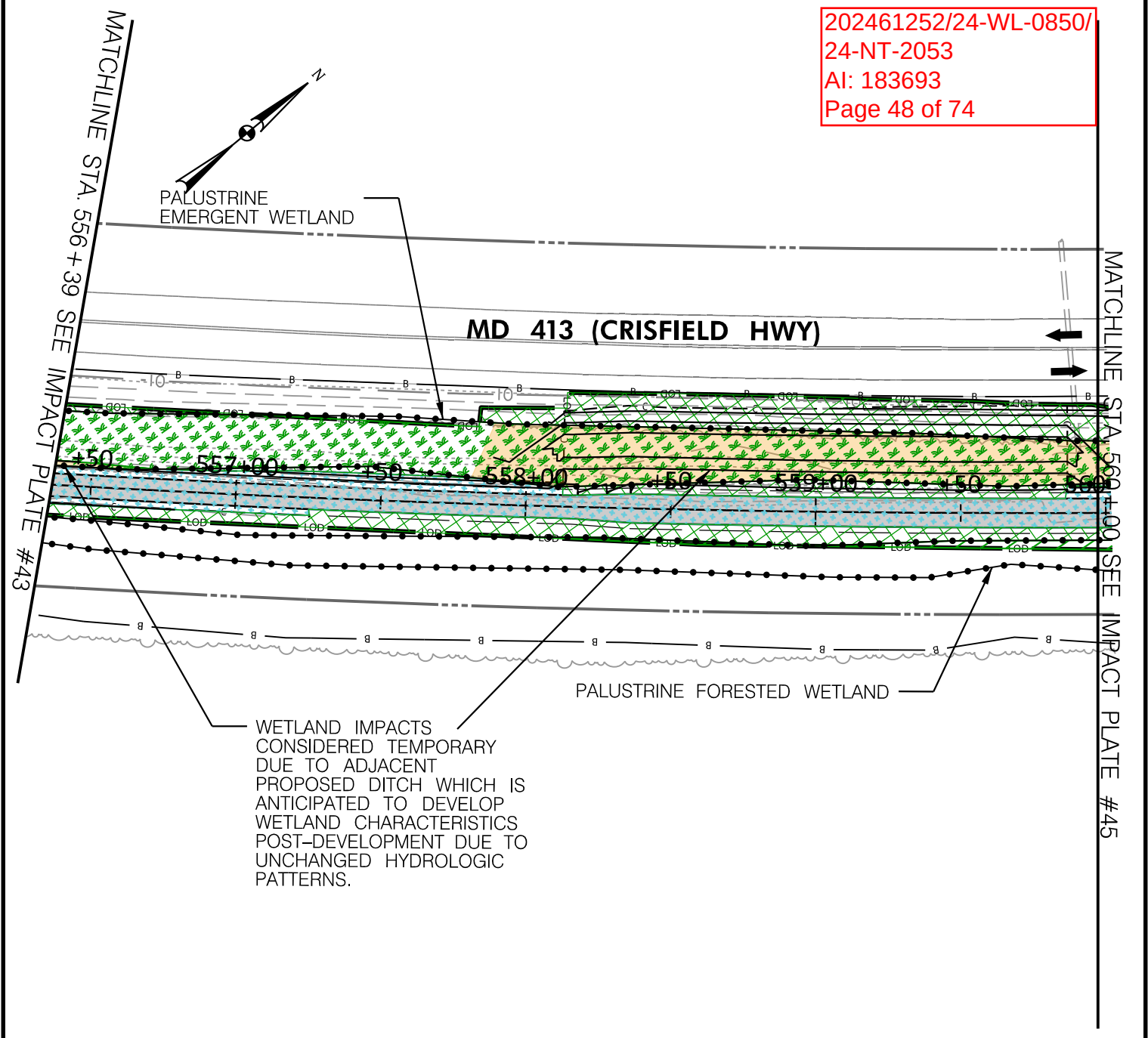


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STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 43 OF 64
JUNE 2025



LEGEND

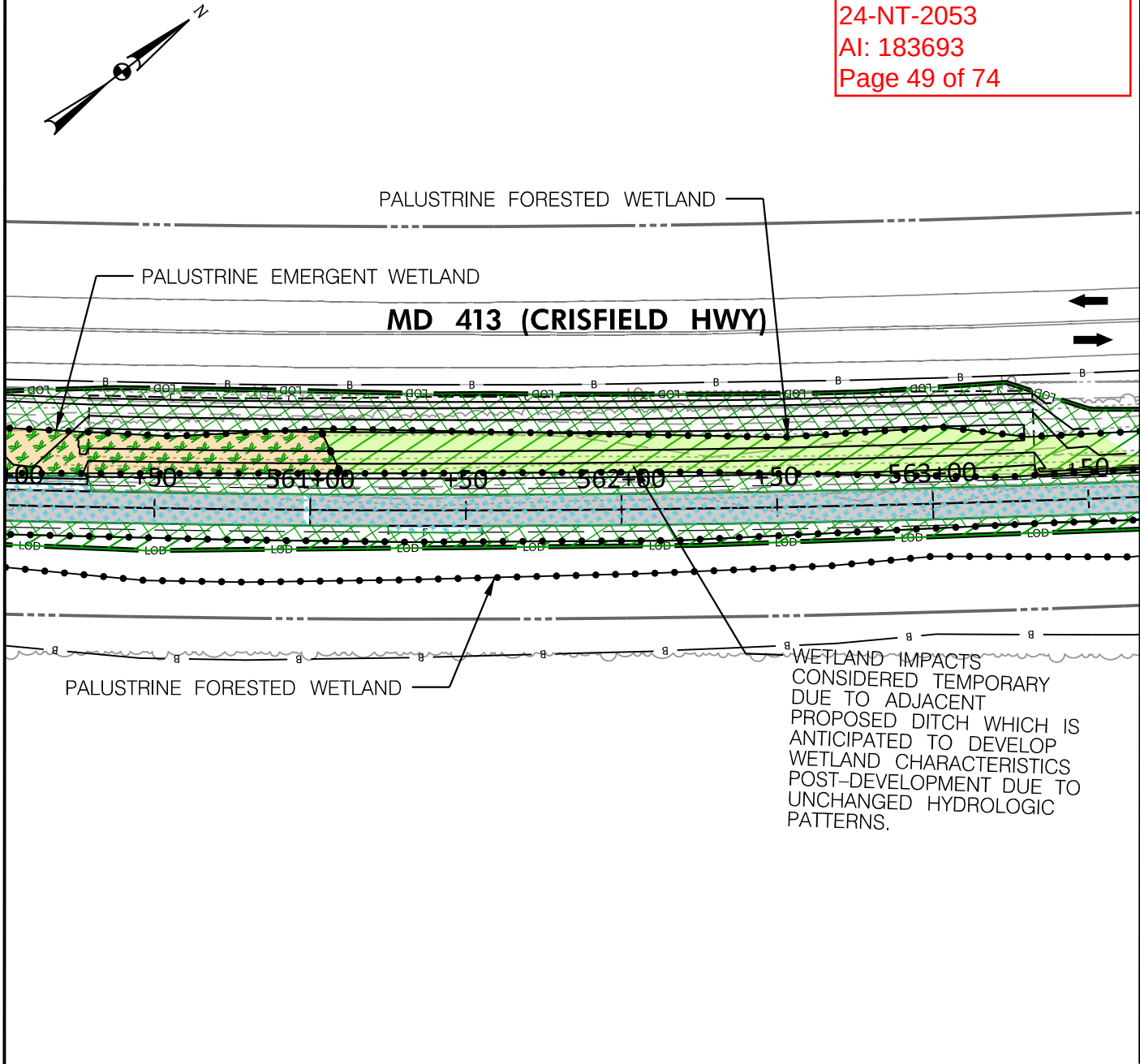
- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS (WATERS OF US) / MEAN HIGH WATER LINE
- LOD (LIMIT OF DISTURBANCE)
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	6491	0	0
NONTIDAL WETLANDS (PFO)	S.F	282	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	5365	4270	0
TIDAL WETLANDS	S.F	0	0	0

MATCHLINE STA. 560 + 00 SEE IMPACT PLATE #44

MATCHLINE STA. 563 + 68 SEE IMPACT PLATE #46



LEGEND

	NONTIDAL WETLAND BOUNDARY		TEMP. NONTIDAL PEM WETLAND IMPACT
	WETLAND BUFFER		PERM. NONTIDAL PEM WETLAND IMPACT
	100-YEAR FLOODPLAIN		TEMP. NONTIDAL PFO WETLAND IMPACT
	WATERS OF US (WUS) / MEAN HIGH WATER LINE		PERM. NONTIDAL PFO WETLAND IMPACT
	LIMIT OF DISTURBANCE		TEMP. NONTIDAL PSS WETLAND IMPACT
	TREE LINE		PERM. NONTIDAL PSS WETLAND IMPACT
	EX. PROPERTY BOUNDARY		TEMP. NONTIDAL BUFFER IMPACT
	CUT / FILL LINE		PERM. NONTIDAL BUFFER IMPACT
	PROPOSED CONTOUR		TEMP. TIDAL ESS WETLAND IMPACT
	EXISTING CONTOUR		PERM. TIDAL ESS WETLAND IMPACT
	TEMP. TIDAL WATER IMPACT		PERM. PEM WETLAND IMPACT (USACE)
	PERM. TIDAL WATER IMPACT		PERM. PFO WETLAND IMPACT (USACE)
	WETLAND/WUS LOSS (USACE)		PERM. PSS WETLAND IMPACT (USACE)
			PERM. ESS WETLAND IMPACT (USACE)

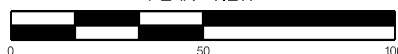
TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	1385	0	0
NONTIDAL WETLANDS (PFO)	S.F	4337	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	8159	3833	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B



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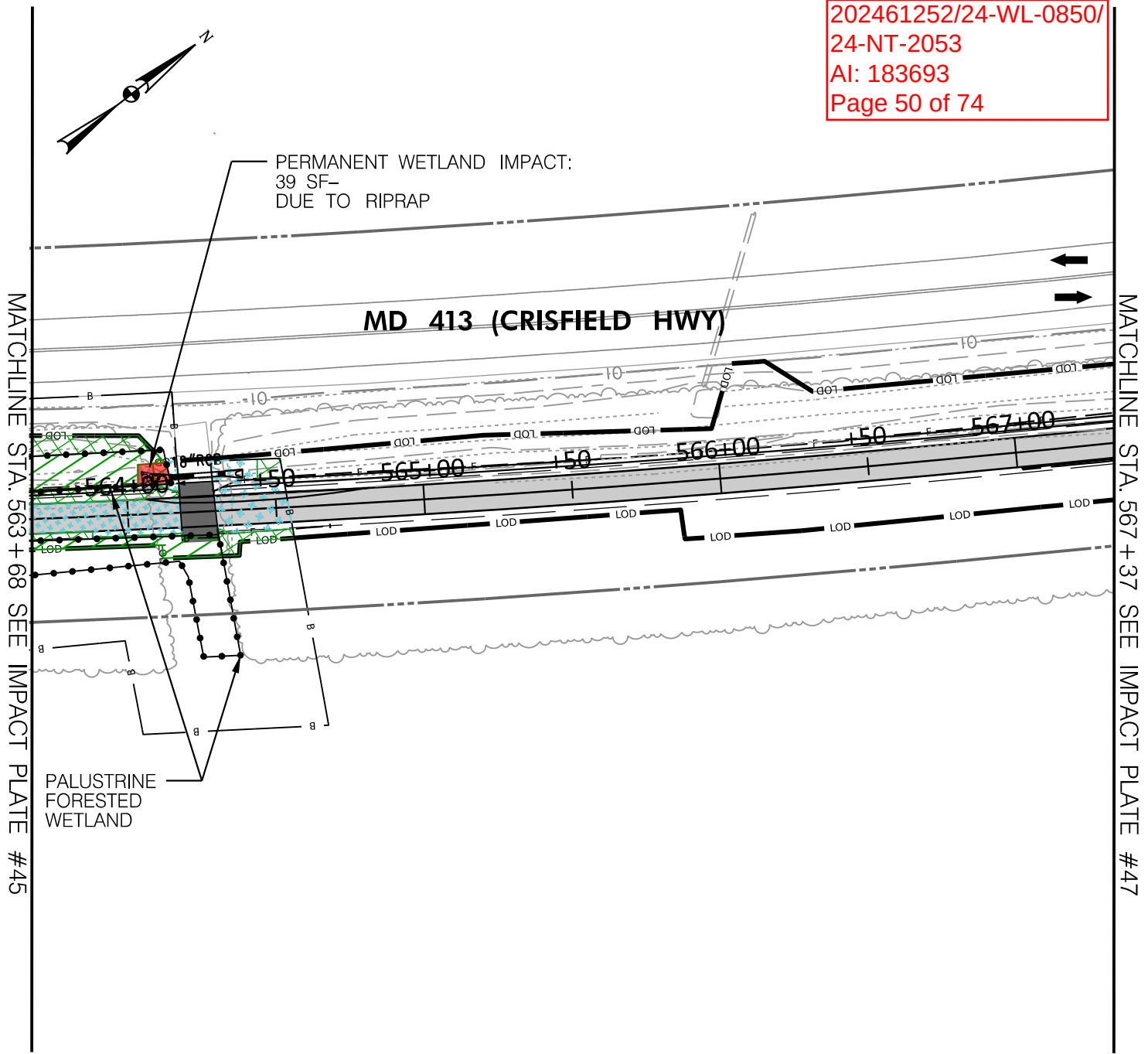
PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 45 OF 64
JUNE 2025



LEGEND

NONTIDAL WETLAND BOUNDARY
 WETLAND BUFFER
 100-YEAR FLOODPLAIN
 WATERS OF US (WUS) / MEAN HIGH WATER LINE
 LOD
 TREE LINE
 EX. PROPERTY BOUNDARY
 CUT / FILL LINE
 PROPOSED CONTOUR
 EXISTING CONTOUR
 TEMP. TIDAL WATER IMPACT
 PERM. TIDAL WATER IMPACT
 WETLAND/WUS LOSS (USACE)

TEMP. NONTIDAL PEM WETLAND IMPACT
 PERM. NONTIDAL PEM WETLAND IMPACT
 TEMP. NONTIDAL PFO WETLAND IMPACT
 PERM. NONTIDAL PFO WETLAND IMPACT
 TEMP. NONTIDAL PSS WETLAND IMPACT
 PERM. NONTIDAL PSS WETLAND IMPACT
 TEMP. NONTIDAL BUFFER IMPACT
 PERM. NONTIDAL BUFFER IMPACT
 TEMP. TIDAL ESS WETLAND IMPACT
 PERM. TIDAL ESS WETLAND IMPACT
 PERM. PEM WETLAND IMPACT (USACE)
 PERM. PFO WETLAND IMPACT (USACE)
 PERM. PSS WETLAND IMPACT (USACE)
 PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	0	0	0
NONTIDAL WETLANDS (PFO)	S.F	768	39	76
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	685	1146	0
TIDAL WETLANDS	S.F	0	0	0

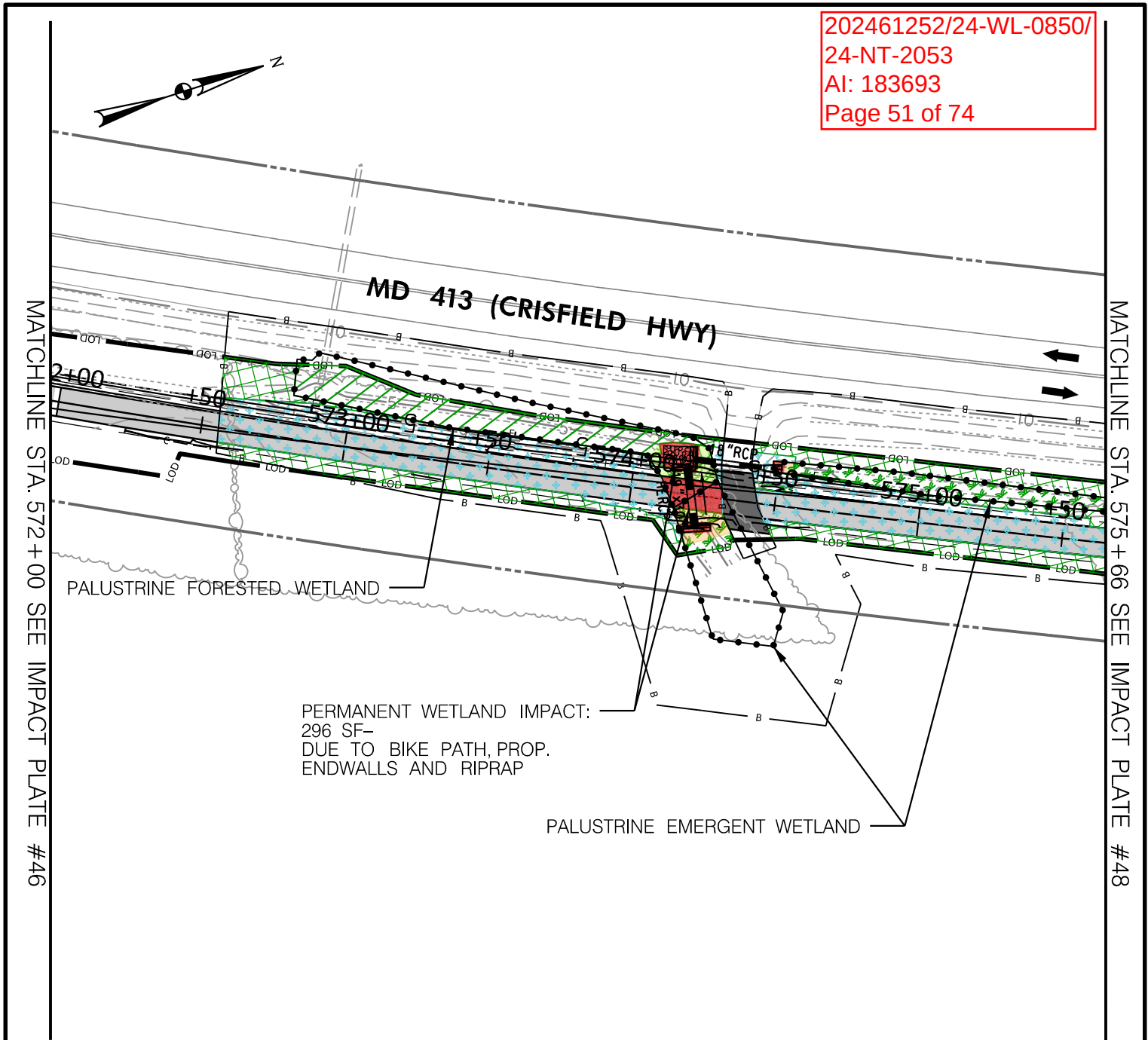
MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSESSEX RIVER BRIDGE -
PHASE 2A&2B

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Consulting Engineers
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PLAN VIEW

SCALE: 1" = 50'
 MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 46 OF 64
JUNE 2025



LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WATERS OF US (WUS) / MEAN HIGH WATER LINE
- LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

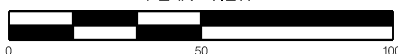
TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	874	96	152
NONTIDAL WETLANDS (PFO)	S.F	1389	200	218
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	2565	4567	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B



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PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 47 OF 64
JUNE 2025

MATCHLINE STA. 575 + 66 SEE IMPACT PLATE #47

MATCHLINE STA. 579 + 32 SEE IMPACT PLATE #49

PALUSTRINE EMERGENT WETLAND

MD 413 (CRISFIELD HWY)

LEGEND

- NONTIDAL WETLAND BOUNDARY

WETLAND BUFFER

100-YEAR FLOODPLAIN

WATERS OF US (WUS) / MEAN HIGH WATER LINE

LIMIT OF DISTURBANCE

TREE LINE

EX. PROPERTY BOUNDARY

CUT / FILL LINE

PROPOSED CONTOUR

EXISTING CONTOUR

TEMP. TIDAL WATER IMPACT

PERM. TIDAL WATER IMPACT

WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	1368	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	4222	3868	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSESSEX RIVER BRIDGE -
PHASE 2A&2B



BRUDIS & ASSOCIATES, INC.
Consulting Engineers
11000 Broken Land Parkway, Suite 450
Columbia, Maryland 21044
Phone 410-884-3607
www.brudis.com

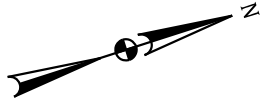
PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 48 OF 64
JUNE 2025

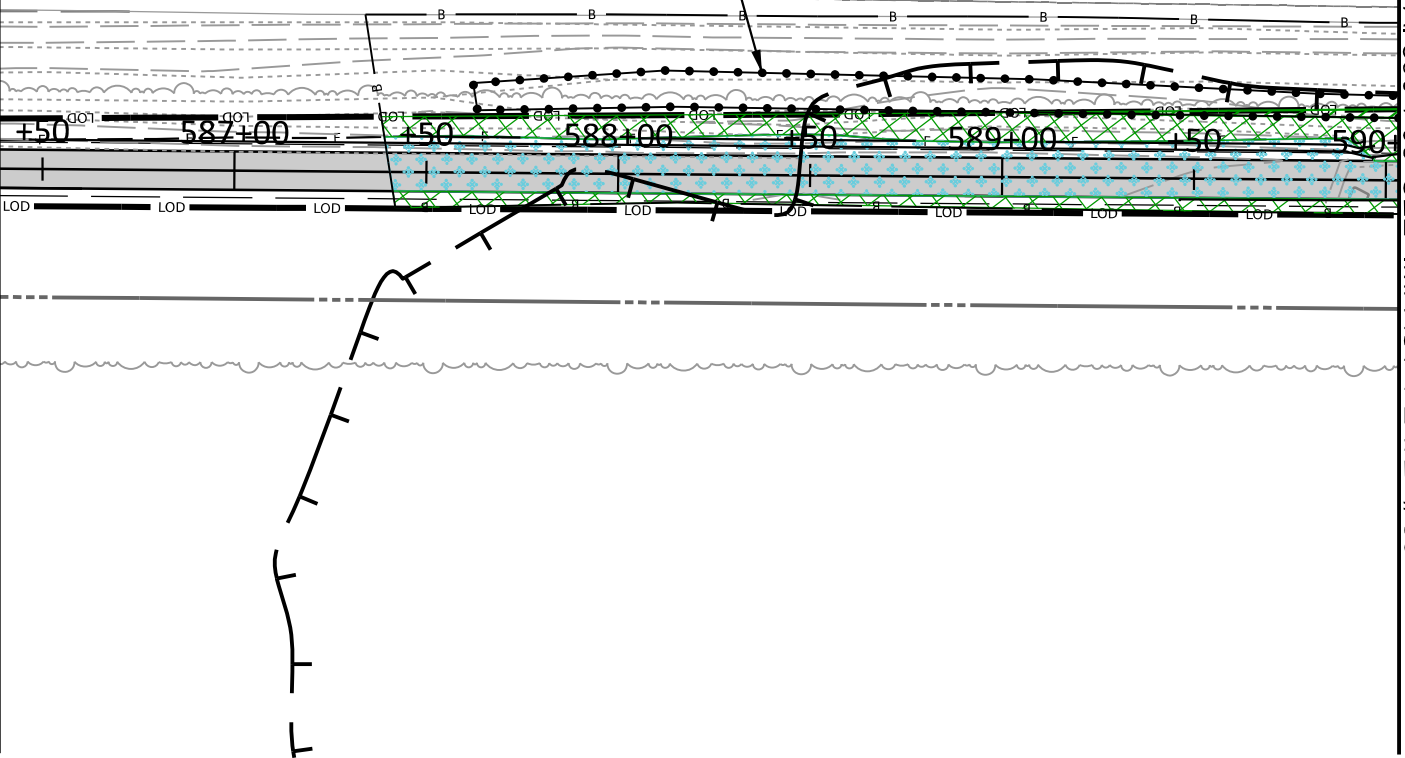


MATCHLINE STA. 586 + 71 SEE IMPACT PLATE #48

MATCHLINE STA. 590 + 06 SEE IMPACT PLATE #50

PALUSTRINE FORESTED WETLAND

MD 413 (CRISFIELD HWY)



LEGEND

	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS) / MEAN HIGH WATER LINE
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	0	0	0
NONTIDAL WETLANDS (PFO)	S.F	120	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	2525	3823	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B



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Consulting Engineers
11000 Broken Land Parkway, Suite 450
Columbia, Maryland 21044
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PLAN VIEW



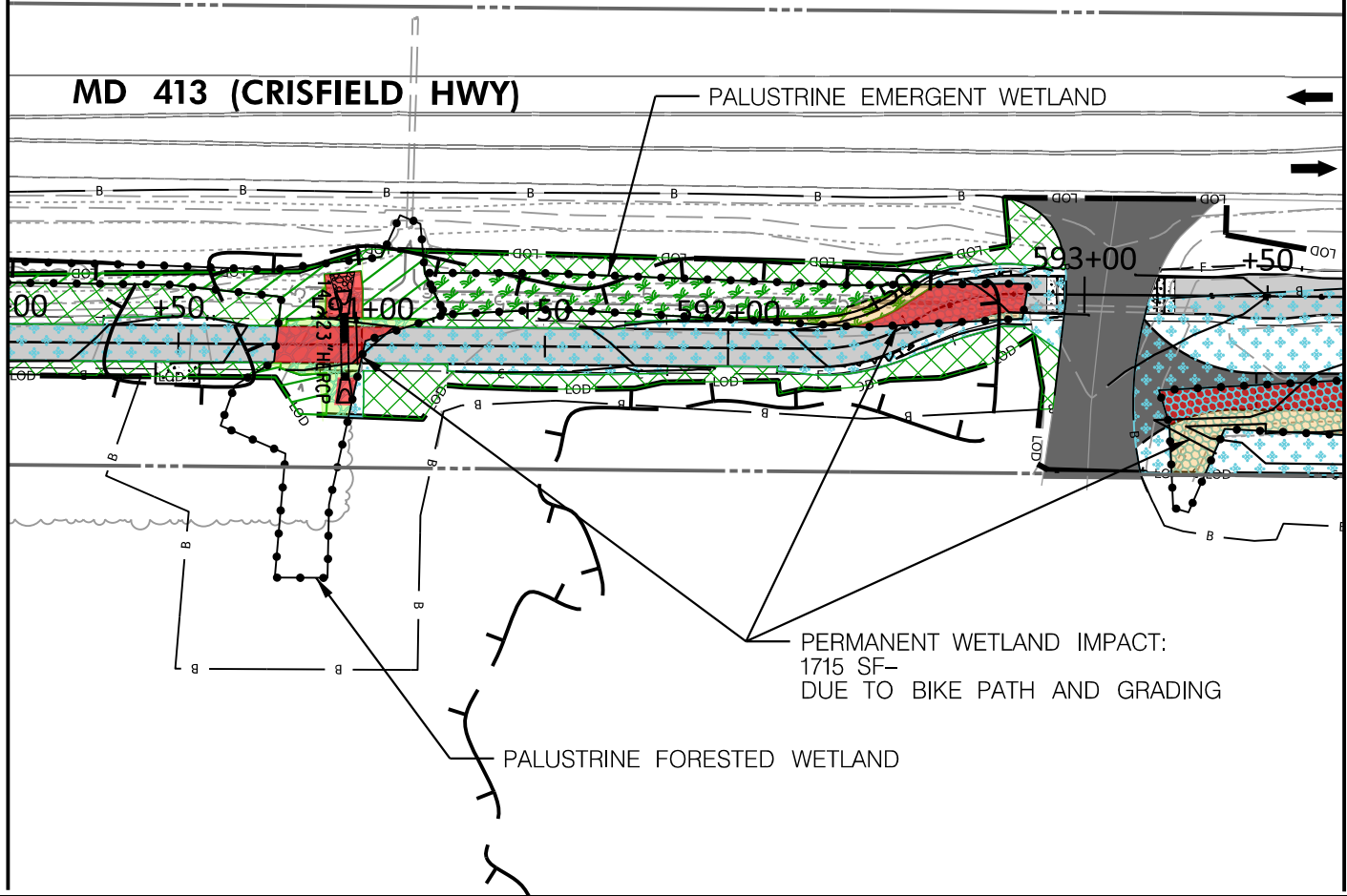
SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 49 OF 64
JUNE 2025

MATCHLINE STA. 590 + 06 SEE IMPACT PLATE #49

MATCHLINE STA. 593 + 73 SEE IMPACT PLATE #51



LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS / MEAN HIGH WATER LINE
- LOD LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

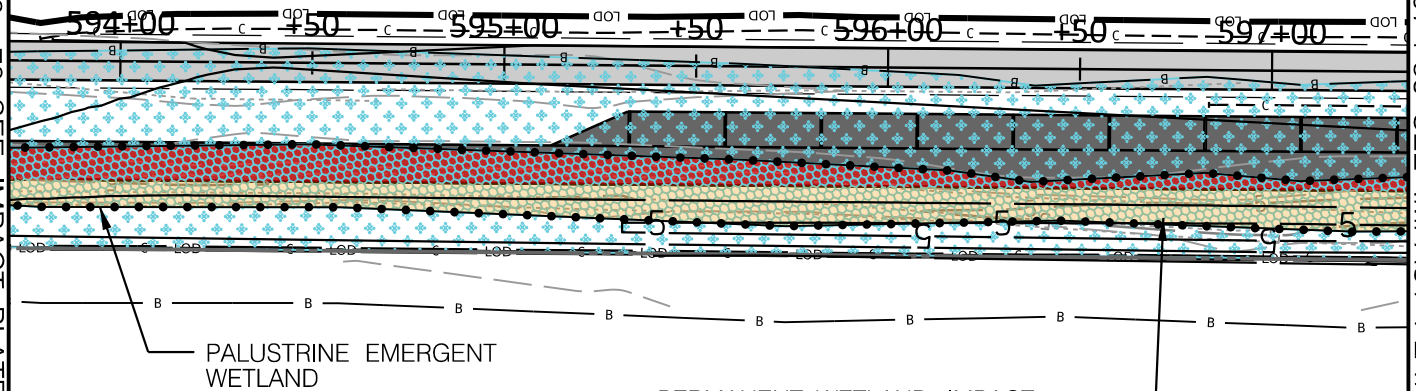
- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	1351	1107	688
NONTIDAL WETLANDS (PFO)	S.F	970	608	424
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	3500	5154	0
TIDAL WETLANDS	S.F	0	0	0

MATCHLINE STA. 593 + 73 SEE IMPACT PLATE #50

MATCHLINE STA. 597 + 38 SEE IMPACT PLATE #52

MD 413 (CRISFIELD HWY)



PERMANENT WETLAND IMPACT:
5438 SF-
DUE TO BIKE PATH AND GRADING

LEGEND

	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS)
	MEAN HIGH WATER LINE
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	0	5438	2292
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	0	12460	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSESSEX RIVER BRIDGE -
PHASE 2A&2B

PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 51 OF 64
JUNE 2025



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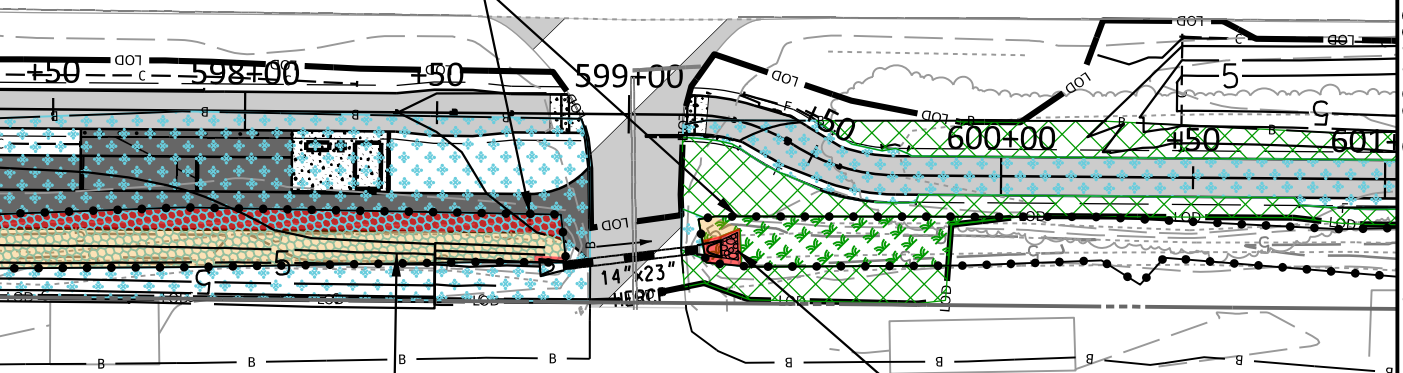
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Columbia, Maryland 21044
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MATCHLINE STA. 597 + 38 SEE IMPACT PLATE #51

MATCHLINE STA. 601 + 05 SEE IMPACT PLATE #53

MD 413 (CRISFIELD HWY)

PALUSTRINE EMERGENT WETLAND



PERMANENT WETLAND
IMPACT:
2091 SF-
DUE TO PROP.
ENDSECTION AND RIPRAP

PERMANENT WETLAND
IMPACT:
43 SF-
DUE TO PROP.
ENDSECTION AND RIPRAP

LEGEND

	NONTIDAL WETLAND BOUNDARY		TEMP. NONTIDAL PEM WETLAND IMPACT
	WETLAND BUFFER		PERM. NONTIDAL PEM WETLAND IMPACT
	100-YEAR FLOODPLAIN		TEMP. NONTIDAL PFO WETLAND IMPACT
	WATERS OF US (WUS)		PERM. NONTIDAL PFO WETLAND IMPACT
	/MEAN HIGH WATER LINE		TEMP. NONTIDAL PSS WETLAND IMPACT
	LIMIT OF DISTURBANCE		PERM. NONTIDAL PSS WETLAND IMPACT
	TREE LINE		TEMP. NONTIDAL BUFFER IMPACT
	EX. PROPERTY BOUNDARY		PERM. NONTIDAL BUFFER IMPACT
	CUT / FILL LINE		TEMP. TIDAL ESS WETLAND IMPACT
	PROPOSED CONTOUR		PERM. TIDAL ESS WETLAND IMPACT
	EXISTING CONTOUR		PERM. PEM WETLAND IMPACT (USACE)
	TEMP. TIDAL WATER IMPACT		PERM. PFO WETLAND IMPACT (USACE)
	PERM. TIDAL WATER IMPACT		PERM. PSS WETLAND IMPACT (USACE)
	WETLAND/WUS LOSS (USACE)		PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	803	2134	835
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	3109	7383	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B



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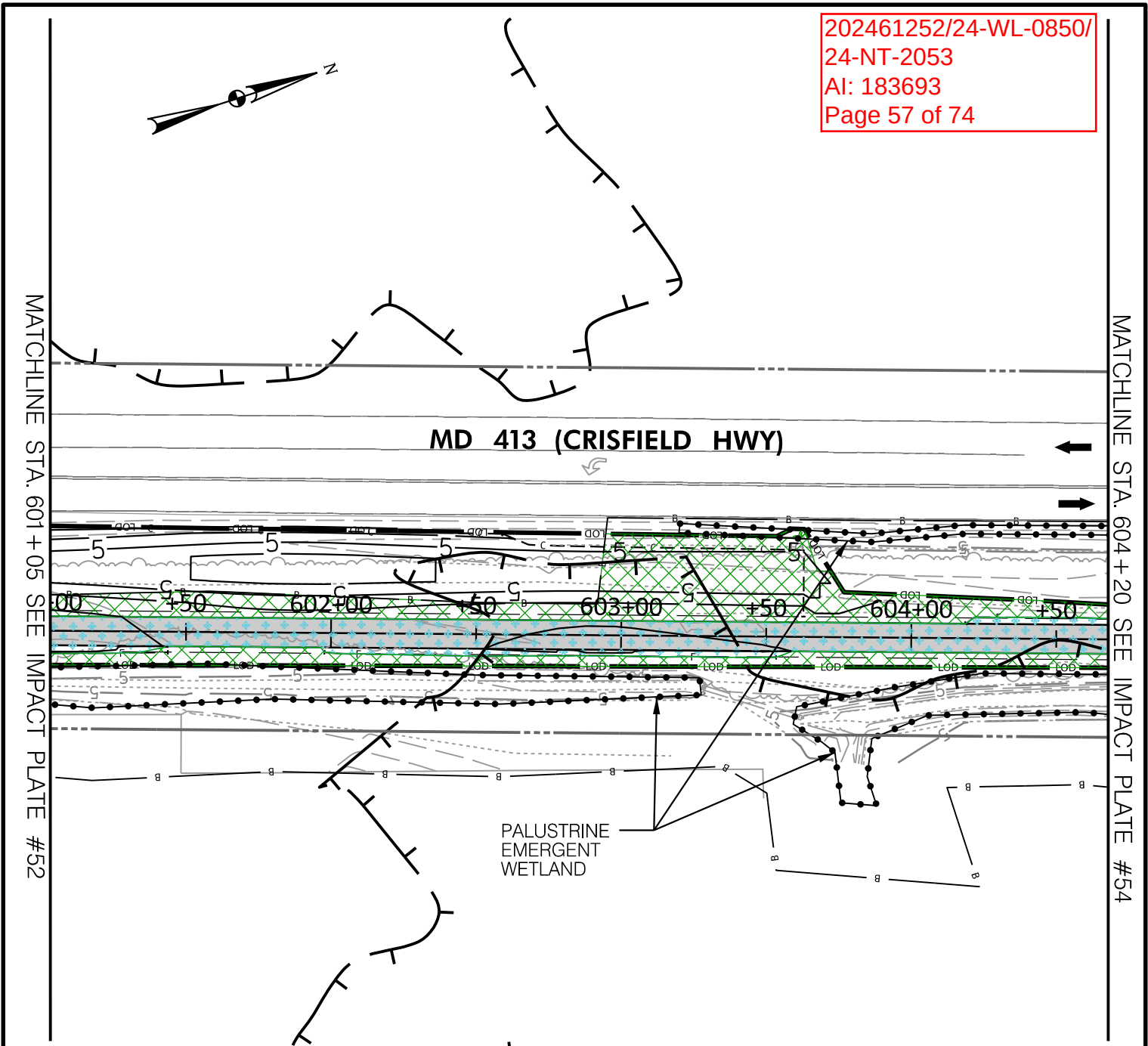
PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

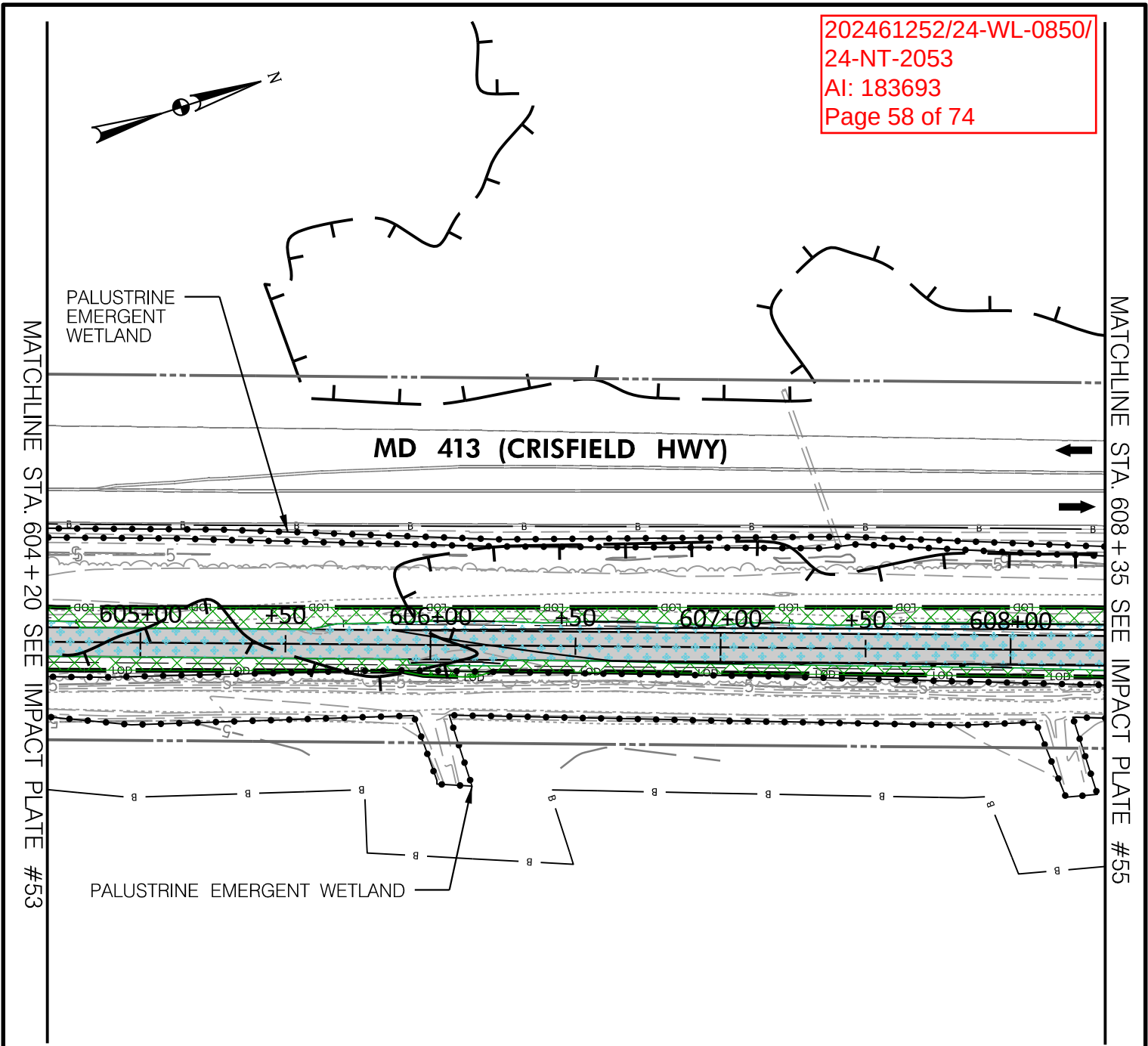
CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 52 OF 64
JUNE 2025



LEGEND
 NONTIDAL WETLAND BOUNDARY
 WETLAND BUFFER
 100-YEAR FLOODPLAIN
 WATERS OF US (WUS) / MEAN HIGH WATER LINE
 LIMIT OF DISTURBANCE
 TREE LINE
 EX. PROPERTY BOUNDARY
 CUT / FILL LINE
 PROPOSED CONTOUR
 EXISTING CONTOUR
 TEMP. TIDAL WATER IMPACT
 PERM. TIDAL WATER IMPACT
 WETLAND/WUS LOSS (USACE)

TEMP. NONTIDAL PEM WETLAND IMPACT
 PERM. NONTIDAL PEM WETLAND IMPACT
 TEMP. NONTIDAL PFO WETLAND IMPACT
 PERM. NONTIDAL PFO WETLAND IMPACT
 TEMP. NONTIDAL PSS WETLAND IMPACT
 PERM. NONTIDAL PSS WETLAND IMPACT
 TEMP. NONTIDAL BUFFER IMPACT
 PERM. NONTIDAL BUFFER IMPACT
 TEMP. TIDAL ESS WETLAND IMPACT
 PERM. TIDAL ESS WETLAND IMPACT
 PERM. PEM WETLAND IMPACT (USACE)
 PERM. PFO WETLAND IMPACT (USACE)
 PERM. PSS WETLAND IMPACT (USACE)
 PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	36	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	6068	4206	0
TIDAL WETLANDS	S.F	0	0	0



LEGEND

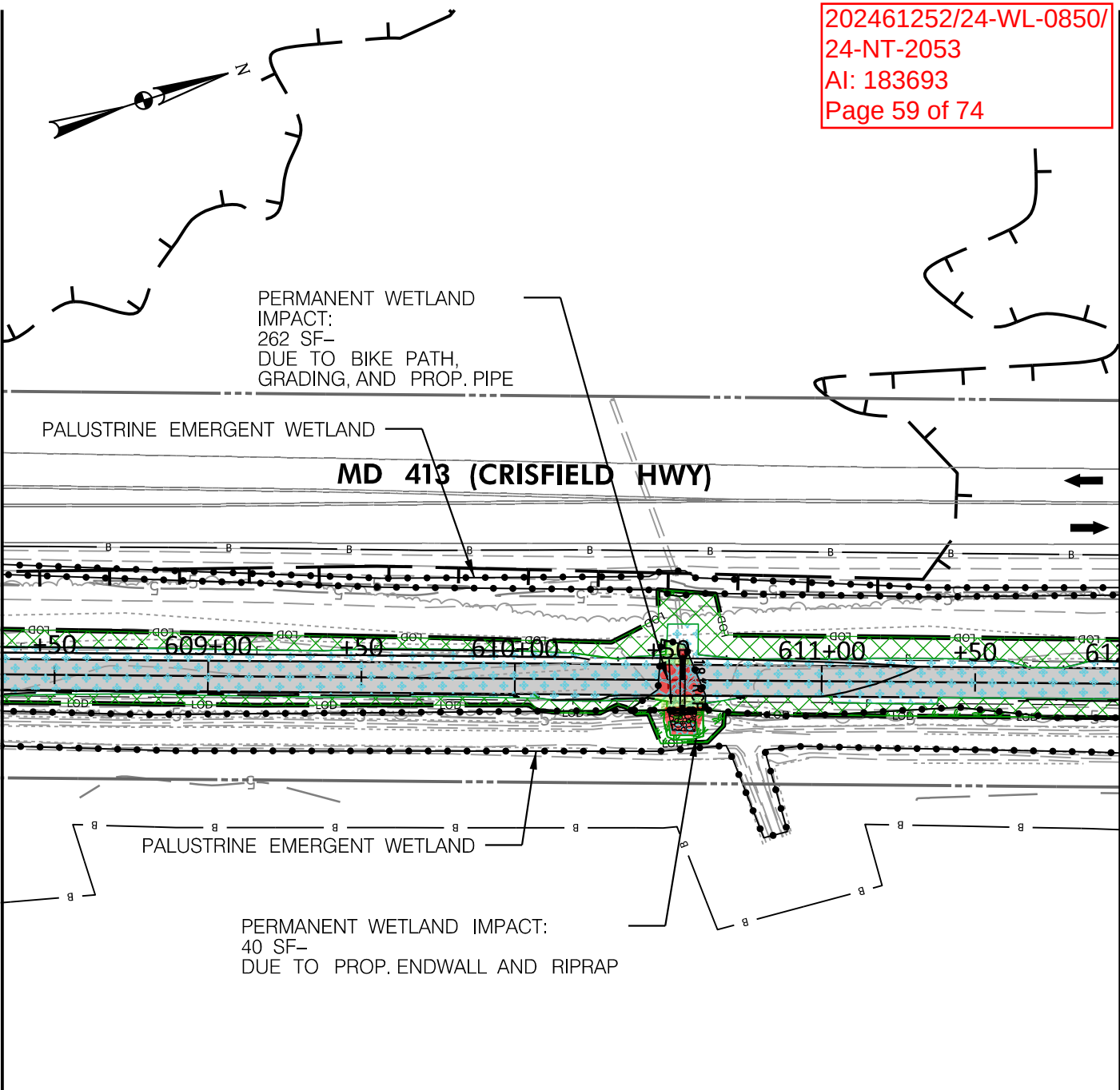
- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS (WATERS OF US) / MEAN HIGH WATER LINE
- LOD (LIMIT OF DISTURBANCE)
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	48	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	3373	4817	0
TIDAL WETLANDS	S.F	0	0	0

MATCHLINE STA. 604 + 20 SEE IMPACT PLATE #54

MATCHLINE STA. 612 + 00 SEE IMPACT PLATE #56



LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS (WATERS OF US) /MEAN HIGH WATER LINE
- LOD (LIMIT OF DISTURBANCE)
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	336	40	94
NONTIDAL WETLANDS (PFO)	S.F	44	262	152
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	3532	5080	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B

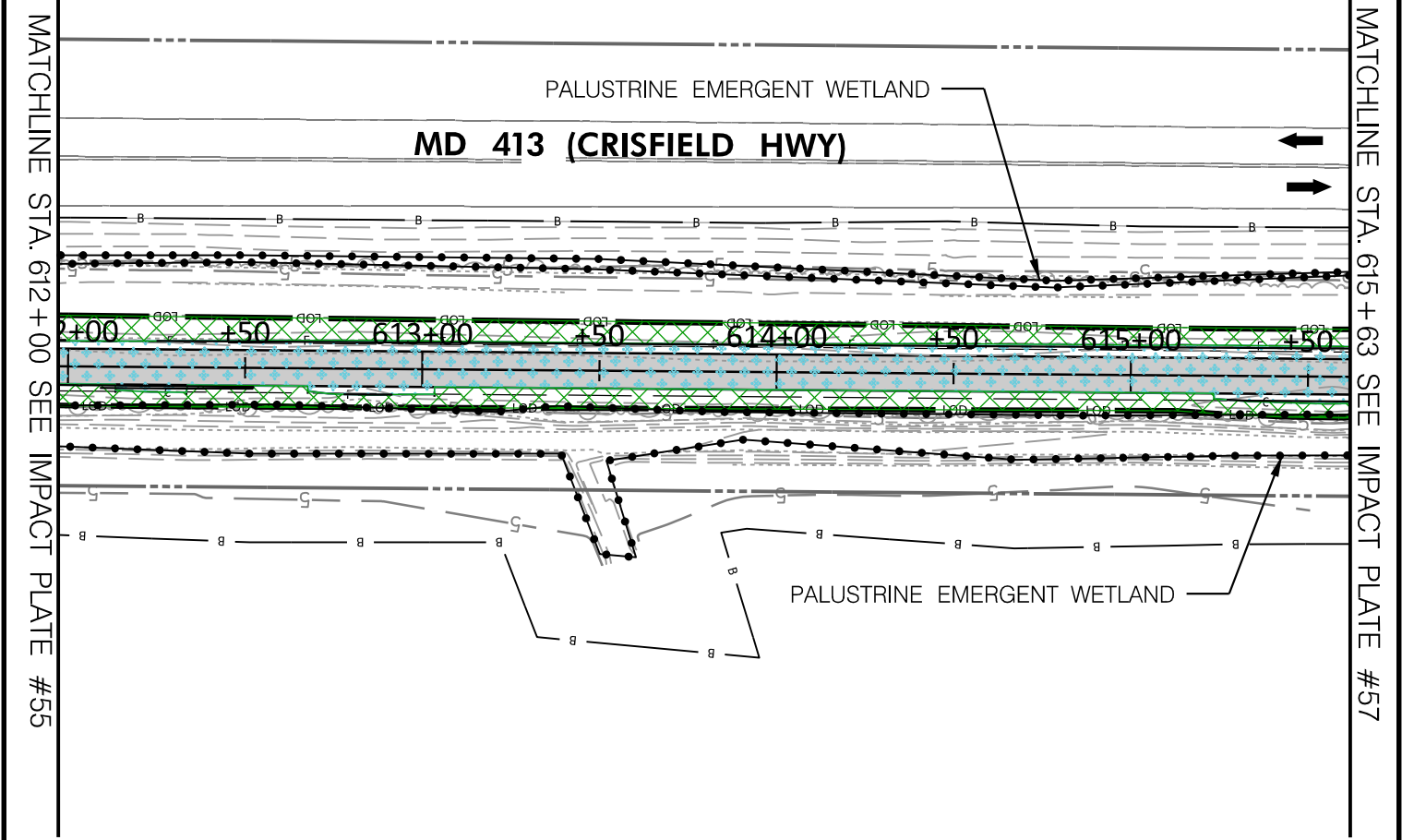
BRUDIS & ASSOCIATES, INC.
Consulting Engineers
11000 Broken Land Parkway, Suite 450
Columbia, Maryland 21044
Phone 410-884-3607
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PLAN VIEW

SCALE: 1" = 50'

MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 55 OF 64
JUNE 2025



LEGEND

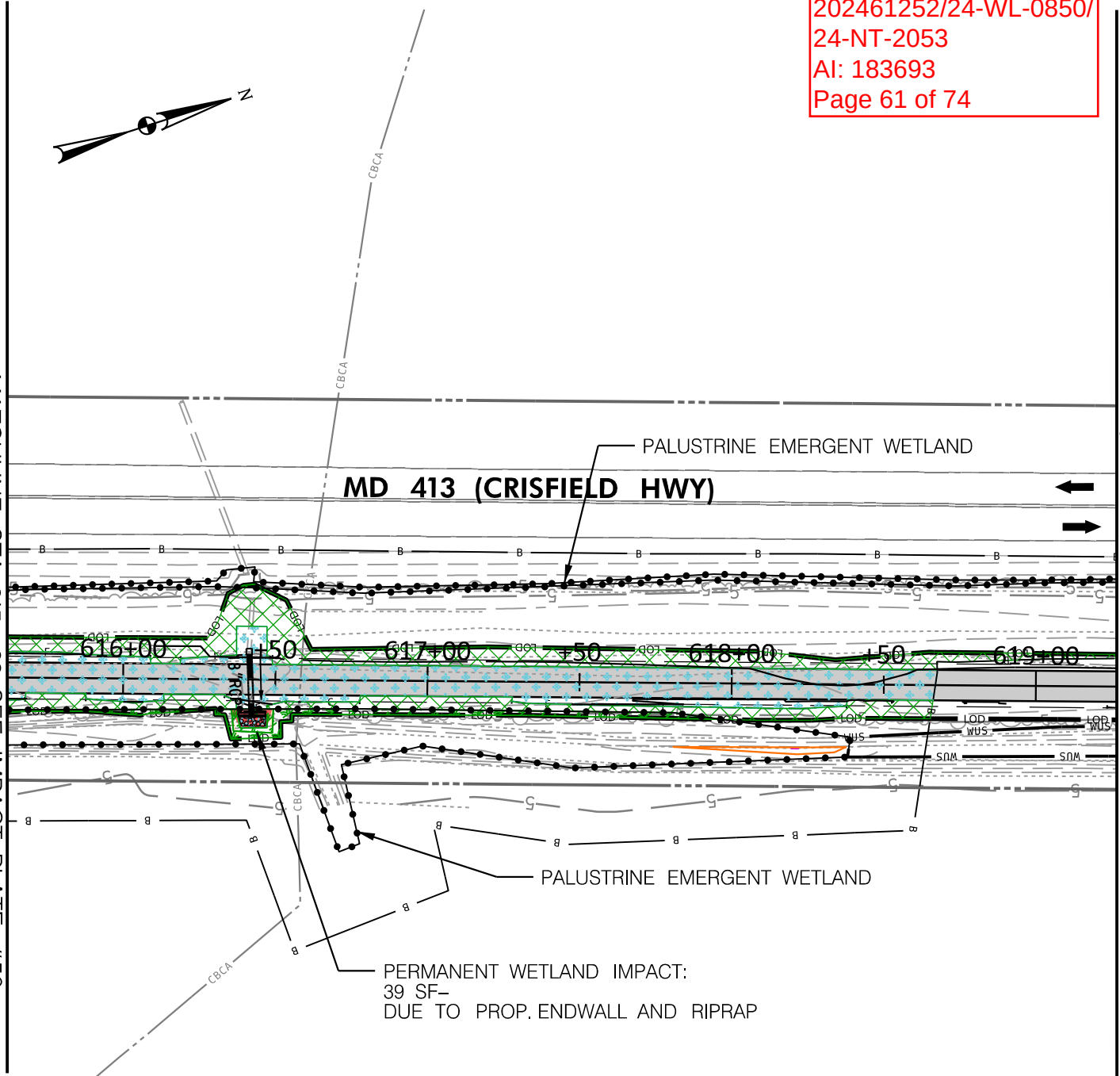
- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS (WATERS OF US) / MEAN HIGH WATER LINE
- LOD (LIMIT OF DISTURBANCE)
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	55	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	3901	4948	0
TIDAL WETLANDS	S.F	0	0	0

MATCHLINE STA. 615+63 SEE IMPACT PLATE #56

MATCHLINE STA. 619+29 SEE IMPACT PLATE #58



LEGEND

	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS)
	/MEAN HIGH WATER LINE
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	438	39	69
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	3268	3850	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B



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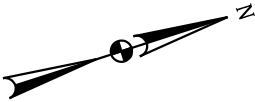
PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 57 OF 64
JUNE 2025



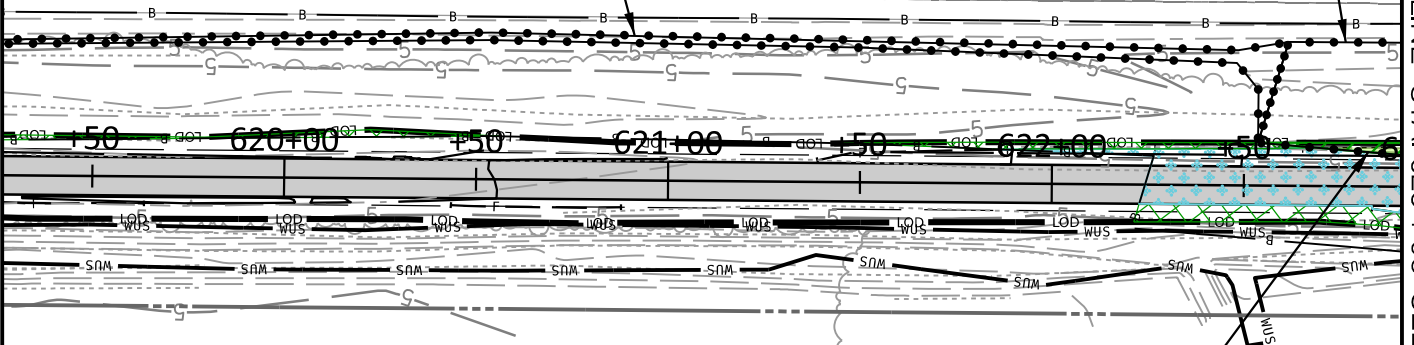
MATCHLINE STA. 619 + 29 SEE IMPACT PLATE #57

MATCHLINE STA. 623 + 93 SEE IMPACT PLATE #59

PALUSTRINE EMERGENT WETLAND

PALUSTRINE FORESTED WETLAND

MD 413 (CRISFIELD HWY)



WETLAND IMPACTS
CONSIDERED TEMPORARY
DUE TO ADJACENT EXISTING
DITCH WHICH IS ANTICIPATED
TO DEVELOP WETLAND
CHARACTERISTICS
POST-DEVELOPMENT DUE TO
UNCHANGED HYDROLOGIC
PATTERNS.

LEGEND

	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	WATERS OF US (WUS)
	MEAN HIGH WATER LINE
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND/WUS LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	17	0	0
NONTIDAL WETLANDS (PFO)	S.F	60	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	593	1004	0
TIDAL WETLANDS	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSESSEX RIVER BRIDGE -
PHASE 2A&2B



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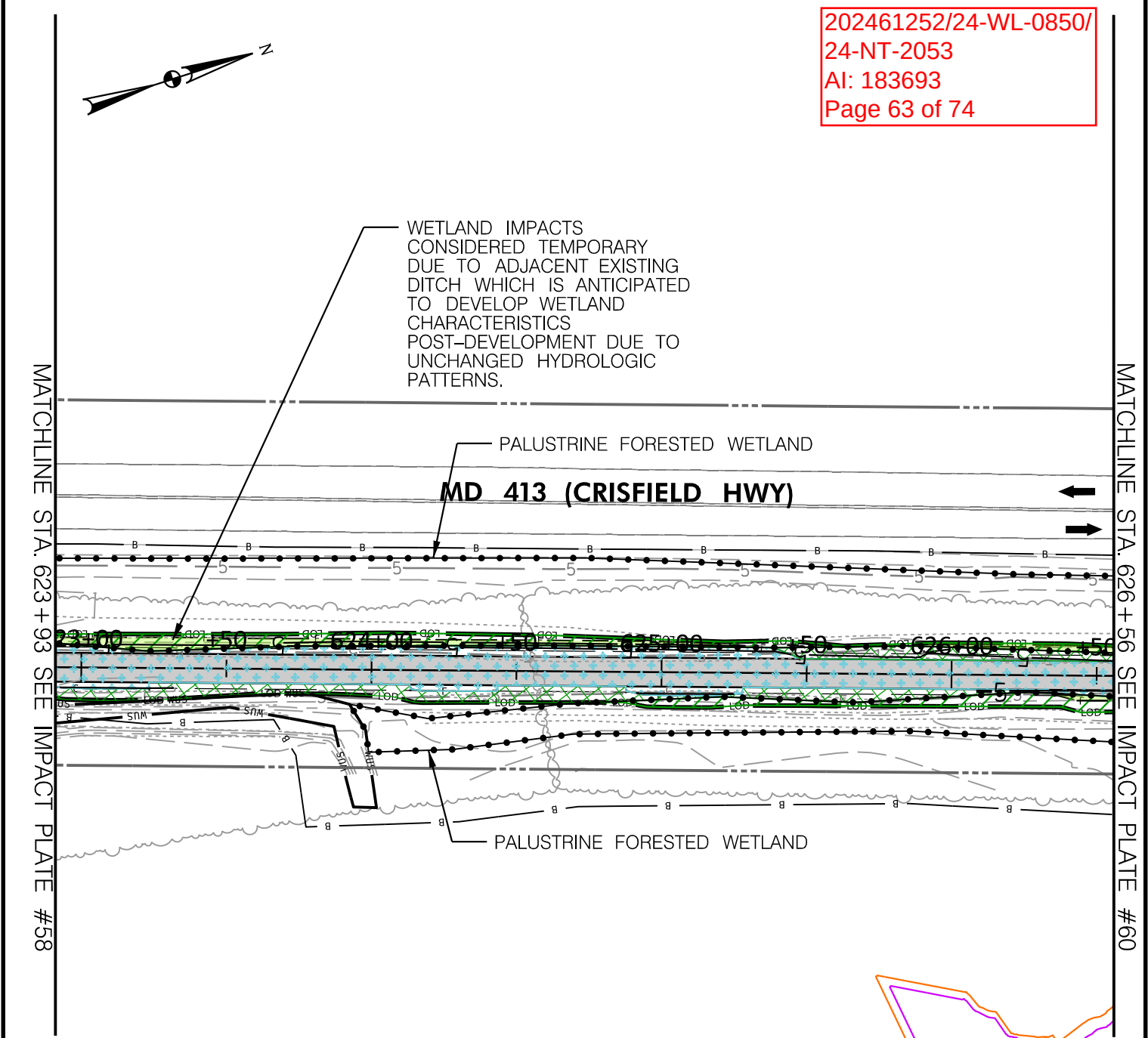
PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 58 OF 64
JUNE 2025

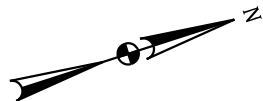


LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WUS / MEAN HIGH WATER LINE
- LOD / LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	0	0	0
NONTIDAL WETLANDS (PFO)	S.F	1683	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	1721	4699	0
TIDAL WETLANDS	S.F	0	0	0

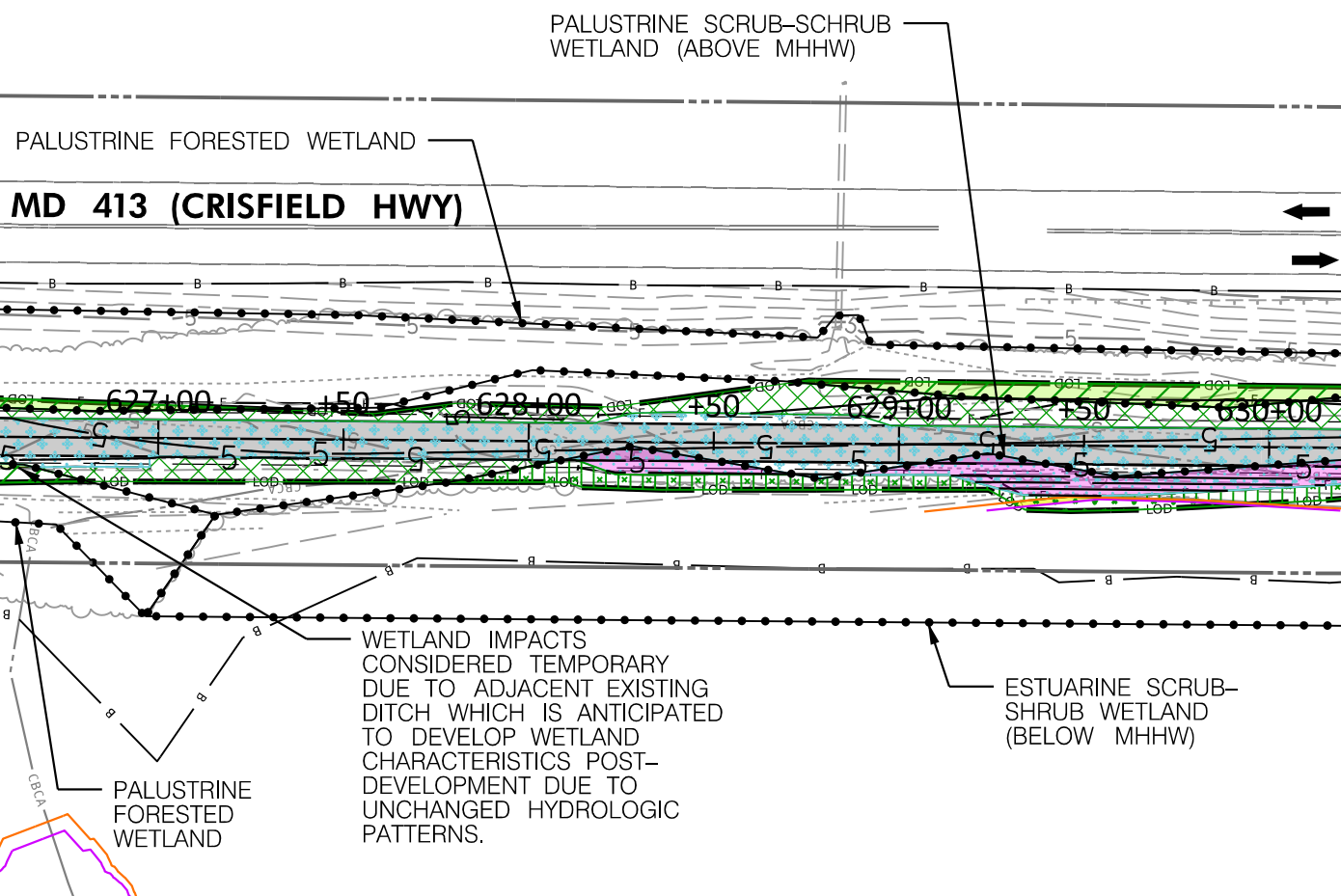


202461252/24-WL-0850/
24-NT-2053
AI: 183693
Page 64 of 74

PERMANENT NONTIDAL IMPACTS WITHIN
CHESAPEAKE BAY CRITICAL AREA:

PEM WETLAND IMPACTS: 0 SF
PFO WETLAND IMPACTS: 0 SF
PSS WETLAND IMPACTS: 1017 SF

MATCHLINE STA. 626+56 SEE IMPACT PLATE #59



MATCHLINE STA. 630+23 SEE IMPACT PLATE #61

LEGEND	
	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	LOD
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	MHW LINE
	MLW LINE
	MLLW LINE
	MHHW LINE
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND LOSS (USACE)
	WETLAND IMPACT BETWEEN MHHW AND MHW
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)
	PERM. TIDAL WATERS IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	0	0	0
NONTIDAL WETLANDS (PFO)	S.F	792	0	0
NONTIDAL WETLANDS (PSS)	S.F	759	1017	0
NONTIDAL WETLAND BUFFER	S.F	2600	4043	0
TIDAL WETLANDS (ESS)	S.F	162	0	0

TIDAL WETLAND IMPACT BETWEEN MHHW AND MHW: 51 SF *

*IMPACTS BETWEEN MHHW AND MHW HAVE BEEN INCLUDED IN ESS IMPACTS WITHIN SUMMARY TABLE.

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
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PHASE 2A&2B



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PLAN VIEW



SCALE: 1" = 50'

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707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 60 OF 64
JUNE 2025

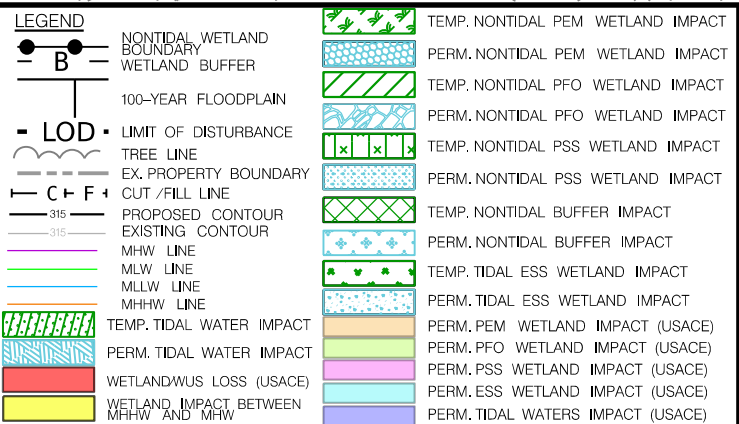
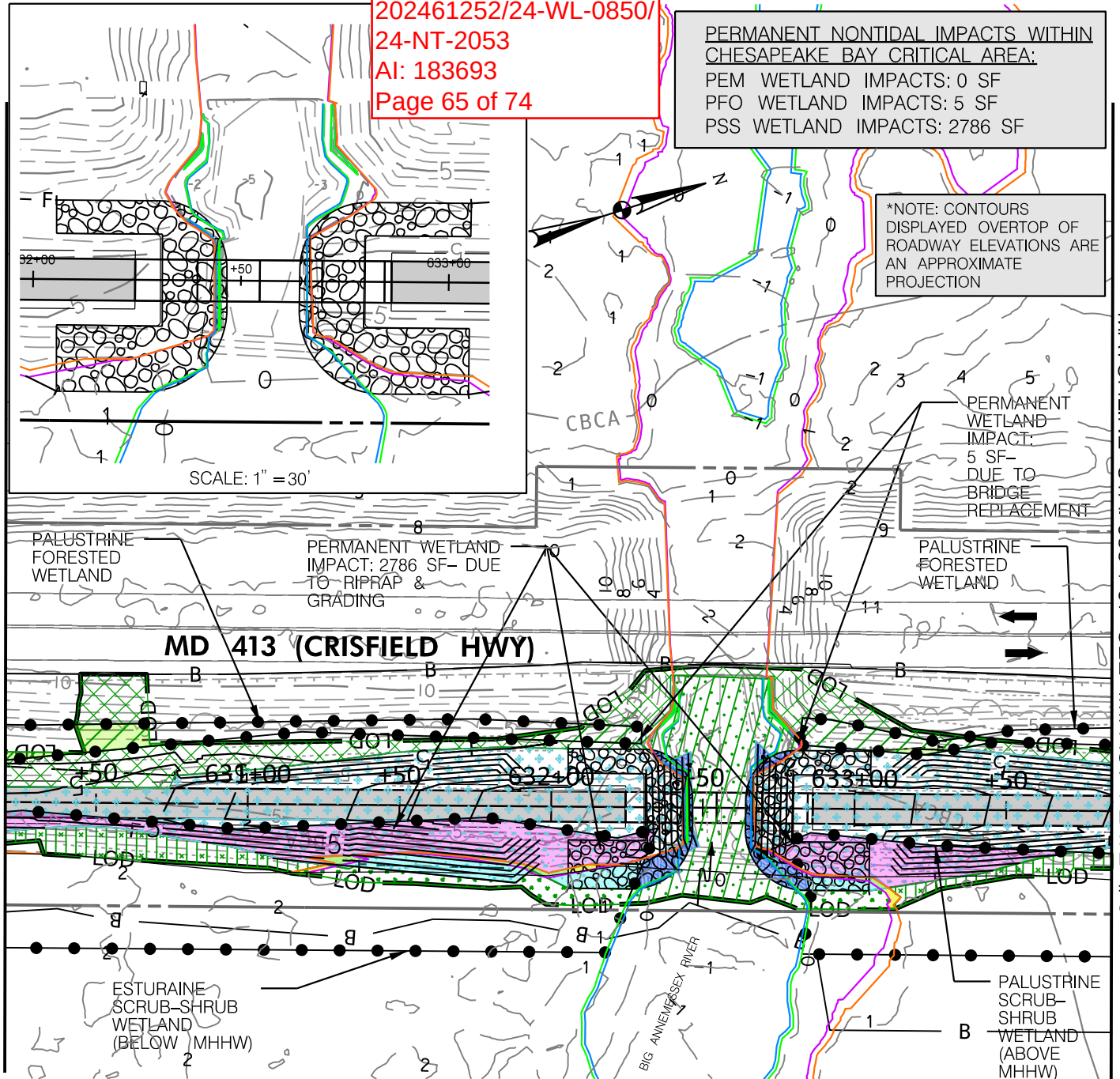
202461252/24-WL-0850/
24-NT-2053
AI: 183693
Page 65 of 74

PERMANENT NONTIDAL IMPACTS WITHIN
CHESAPEAKE BAY CRITICAL AREA:
PEM WETLAND IMPACTS: 0 SF
PFO WETLAND IMPACTS: 5 SF
PSS WETLAND IMPACTS: 2786 SF

*NOTE: CONTOURS
DISPLAYED OVERTOP OF
ROADWAY ELEVATIONS ARE
AN APPROXIMATE
PROJECTION

MATCHLINE STA. 630+23 SEE IMPACT PLATE #60

MATCHLINE STA. 633+87 SEE IMPACT PLATE #62



TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	77	69	0
	S.F	2144	570	0
NONTIDAL WETLANDS (PEM)	S.F	0	0	0
NONTIDAL WETLANDS (PFO)	S.F	788	5	0
NONTIDAL WETLANDS (PSS)	S.F	1048	2786	0
NONTIDAL WETLAND BUFFER	S.F	2947	7947	0
TIDAL WETLANDS (ESS)	S.F	652	738	0

TIDAL WETLAND IMPACT BETWEEN MHHW AND MHW: 179 SF *

*IMPACTS BETWEEN MHHW AND MHW HAVE BEEN INCLUDED IN ESS IMPACTS WITHIN SUMMARY TABLE.

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B

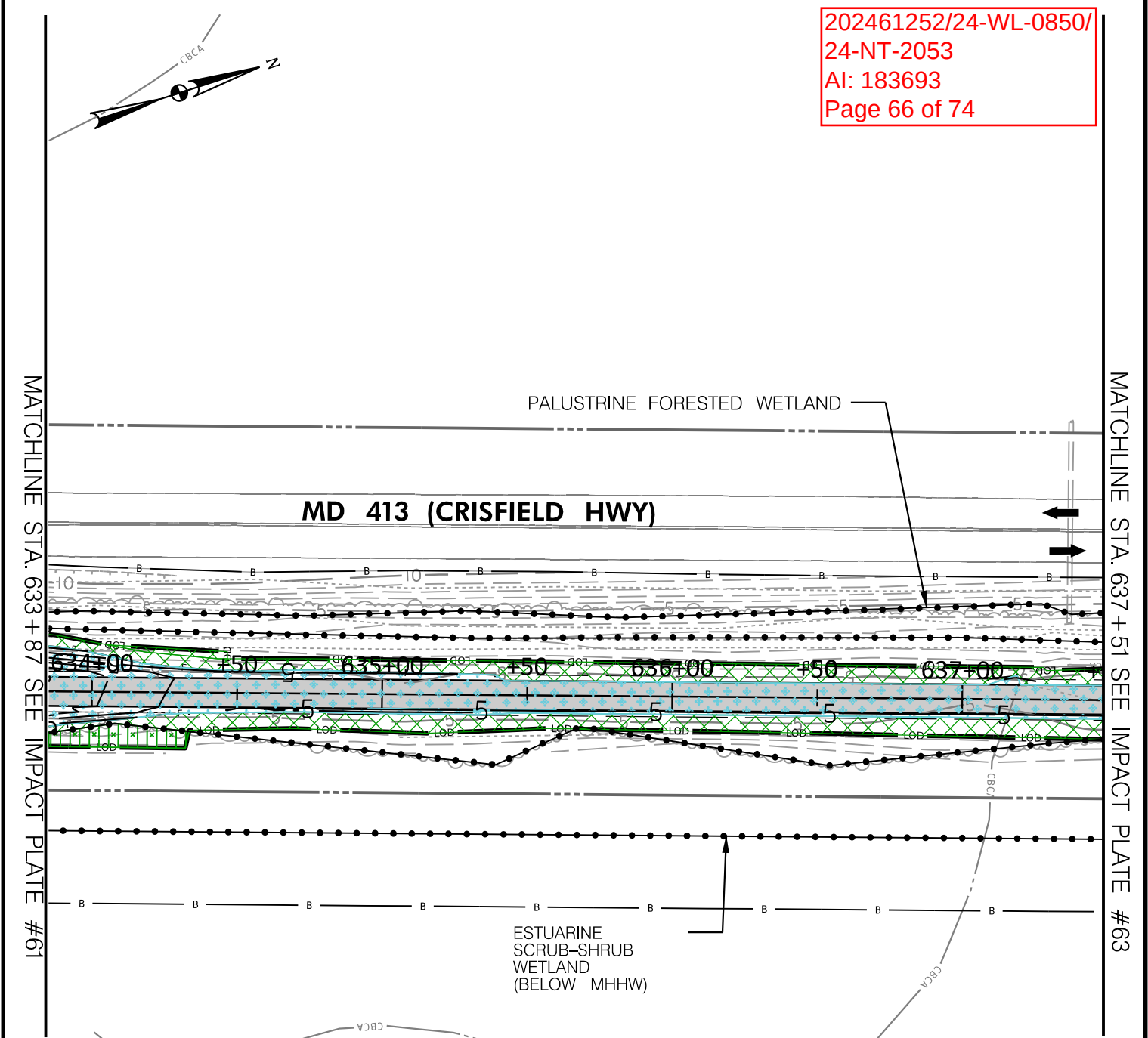
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PLAN VIEW

SCALE: 1" = 50'

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COUNTY: SOMERSET
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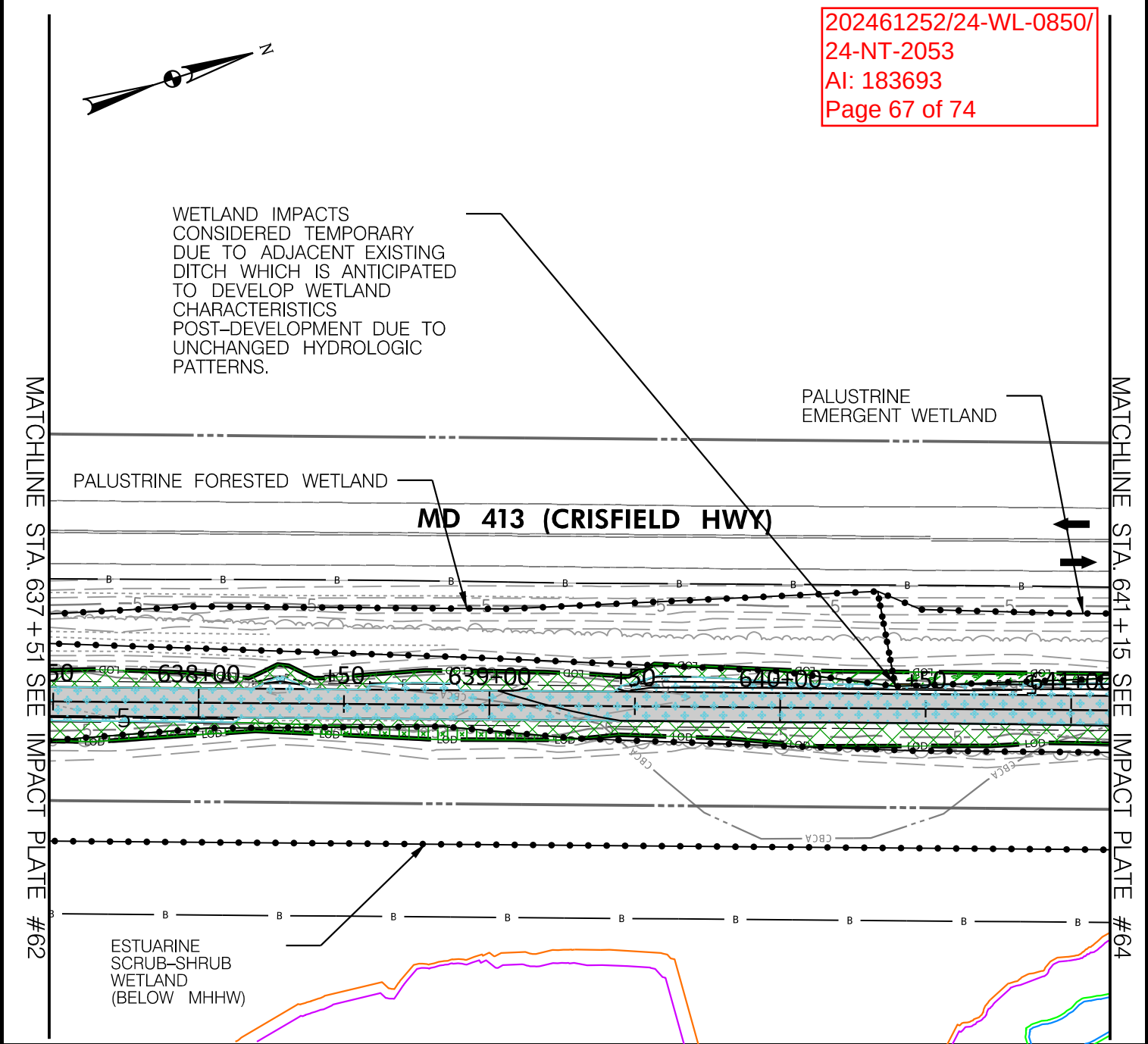


LEGEND

- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- WATERS OF US (WUS) / MEAN HIGH WATER LINE
- LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- PROPOSED CONTOUR
- EXISTING CONTOUR
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLAND/WUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	0	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	326	0	0
NONTIDAL WETLAND BUFFER	S.F	4106	4870	0
TIDAL WETLANDS (ESS)	S.F	0	0	0

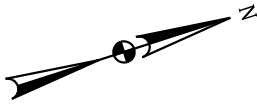


LEGEND

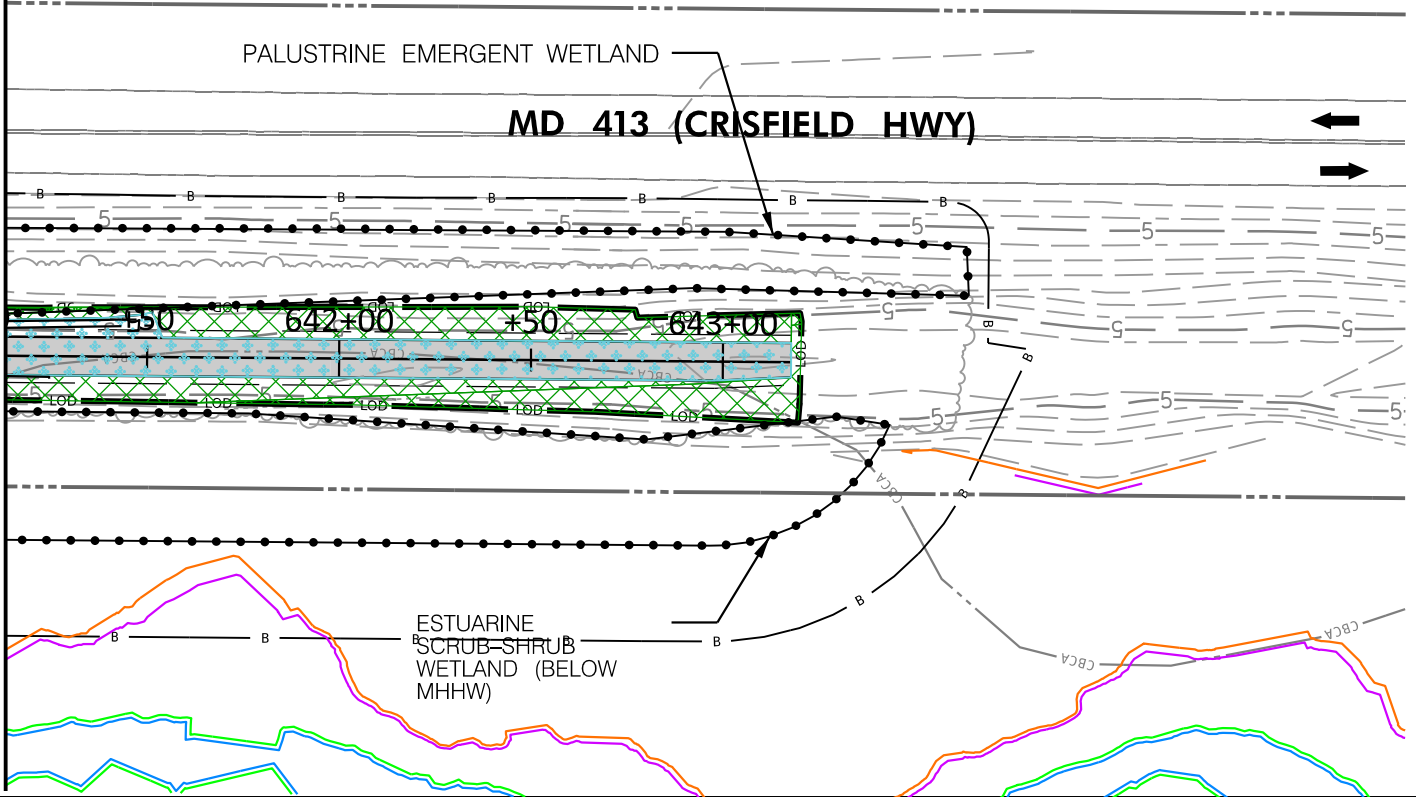
- NONTIDAL WETLAND BOUNDARY
- WETLAND BUFFER
- 100-YEAR FLOODPLAIN
- LOD LIMIT OF DISTURBANCE
- TREE LINE
- EX. PROPERTY BOUNDARY
- CUT / FILL LINE
- 315 PROPOSED CONTOUR
- 315 EXISTING CONTOUR
- MHW LINE
- MLW LINE
- MLLW LINE
- MHHW LINE
- TEMP. TIDAL WATER IMPACT
- PERM. TIDAL WATER IMPACT
- WETLANDWUS LOSS (USACE)

- TEMP. NONTIDAL PEM WETLAND IMPACT
- PERM. NONTIDAL PEM WETLAND IMPACT
- TEMP. NONTIDAL PFO WETLAND IMPACT
- PERM. NONTIDAL PFO WETLAND IMPACT
- TEMP. NONTIDAL PSS WETLAND IMPACT
- PERM. NONTIDAL PSS WETLAND IMPACT
- TEMP. NONTIDAL BUFFER IMPACT
- PERM. NONTIDAL BUFFER IMPACT
- TEMP. TIDAL ESS WETLAND IMPACT
- PERM. TIDAL ESS WETLAND IMPACT
- PERM. PEM WETLAND IMPACT (USACE)
- PERM. PFO WETLAND IMPACT (USACE)
- PERM. PSS WETLAND IMPACT (USACE)
- PERM. ESS WETLAND IMPACT (USACE)
- PERM. TIDAL WATERS IMPACT (USACE)

TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	246	0	0
NONTIDAL WETLANDS (PFO)	S.F	122	0	0
NONTIDAL WETLANDS (PSS)	S.F	405	0	0
NONTIDAL WETLAND BUFFER	S.F	3250	4519	0
TIDAL WETLANDS (ESS)	S.F	0	0	0



MATCHLINE STA. 641+15 SEE IMPACT PLATE #63



LEGEND	
	NONTIDAL WETLAND BOUNDARY
	WETLAND BUFFER
	100-YEAR FLOODPLAIN
	LIMIT OF DISTURBANCE
	TREE LINE
	EX. PROPERTY BOUNDARY
	CUT / FILL LINE
	PROPOSED CONTOUR
	EXISTING CONTOUR
	MHW LINE
	MLW LINE
	MLLW LINE
	MHHW LINE
	TEMP. TIDAL WATER IMPACT
	PERM. TIDAL WATER IMPACT
	WETLAND LOSS (USACE)
	TEMP. NONTIDAL PEM WETLAND IMPACT
	PERM. NONTIDAL PEM WETLAND IMPACT
	TEMP. NONTIDAL PFO WETLAND IMPACT
	PERM. NONTIDAL PFO WETLAND IMPACT
	TEMP. NONTIDAL PSS WETLAND IMPACT
	PERM. NONTIDAL PSS WETLAND IMPACT
	TEMP. NONTIDAL BUFFER IMPACT
	PERM. NONTIDAL BUFFER IMPACT
	TEMP. TIDAL ESS WETLAND IMPACT
	PERM. TIDAL ESS WETLAND IMPACT
	PERM. PEM WETLAND IMPACT (USACE)
	PERM. PFO WETLAND IMPACT (USACE)
	PERM. PSS WETLAND IMPACT (USACE)
	PERM. ESS WETLAND IMPACT (USACE)
	PERM. TIDAL WATERS IMPACT (USACE)

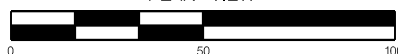
TYPE	UNITS	TEMP.	PERM.	LOSS
TIDAL WATERS	L.F	0	0	0
	S.F	0	0	0
NONTIDAL WETLANDS (PEM)	S.F	36	0	0
NONTIDAL WETLANDS (PFO)	S.F	0	0	0
NONTIDAL WETLANDS (PSS)	S.F	0	0	0
NONTIDAL WETLAND BUFFER	S.F	3067	2236	0
TIDAL WETLANDS (ESS)	S.F	0	0	0

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNESSEX RIVER BRIDGE -
PHASE 2A&2B



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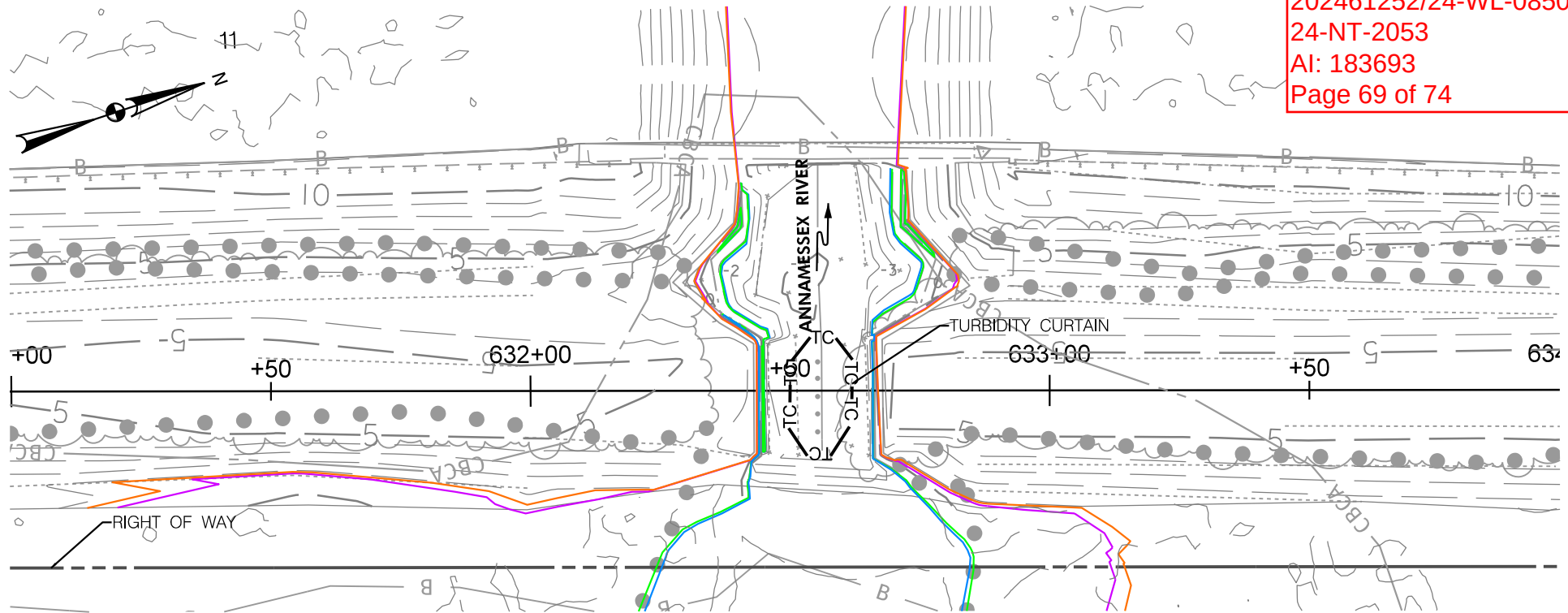
PLAN VIEW



SCALE: 1" = 50'

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

CONTRACT NO.: SO1945488
COUNTY: SOMERSET
STATE: MARYLAND
APPLICATION BY: MDOT SHA
IMPACT PLATE 64 OF 64
JUNE 2025



— 720 —	EXISTING CONTOUR
— — —	RIGHT OF WAY LINE
— — —	PROPERTY LINE
— TC — TC —	TURBIDITY CURTAIN
— — —	MHHW LINE
— — —	MHW LINE
— — —	MLW LINE
— — —	MLLW LINE

NOTE:
1. THE LICENSEE [CONTRACTOR] SHALL TRANSPORT ALL DREDGE MATERIAL IN WATERTIGHT TRUCKS. NO DREDGED MATERIAL SHALL BE DISCHARGED ONTO THE ROADWAYS OF THE STATE.
2. THE LICENSEE [CONTRACTOR] SHALL SUBMIT A REQUEST FOR MODIFICATION OF THIS LICENSE [MDE WETLANDS] WHEN THE DREDGE DISPOSAL FACILITY HAS BEEN IDENTIFIED AND AN ACCEPTANCE LETTER FROM THE FACILITY CAN BE PROVIDED. THE LICENSE MUST BE SUBSEQUENTLY REVISED PRIOR TO THE COMMENCEMENT OF ANY DREDGE WORK UNDER THIS LICENSE TO INCLUDE THE DREDGE DISPOSAL FACILITY.

SEQUENCE OF CONSTRUCTION-PHASE I

1. STAKE OUT THE LIMIT OF DISTURBANCES AS SHOWN ON THIS PLAN.
2. CLEAR AND GRUB THE AREAS FOR INSTALLATION OF TURBIDITY CURTAIN AS SHOWN ON PHASE I INSET.
3. REMOVE THE EXISTING WOODEN PILINGS IN THE MIDDLE OF THE RIVER. IF UNABLE TO REMOVE, CUT 1' BELOW MUD LINE.
4. STABILIZE THE AREAS DISTURBED BY THIS PROCESS.
5. AFTER ALL THE AREAS DISTURBED BY THIS PROCESS ARE STABILIZED TO FINAL GRADES AND UPON THE APPROVAL OF QAD, REMOVE THE EROSION AND SEDIMENT CONTROL MEASURES. STABILIZE THE AREAS DISTURBED BY THE PROCESS, THEN MOVE TO THE PHASE II CONSTRUCTION.

PHASE-I

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B



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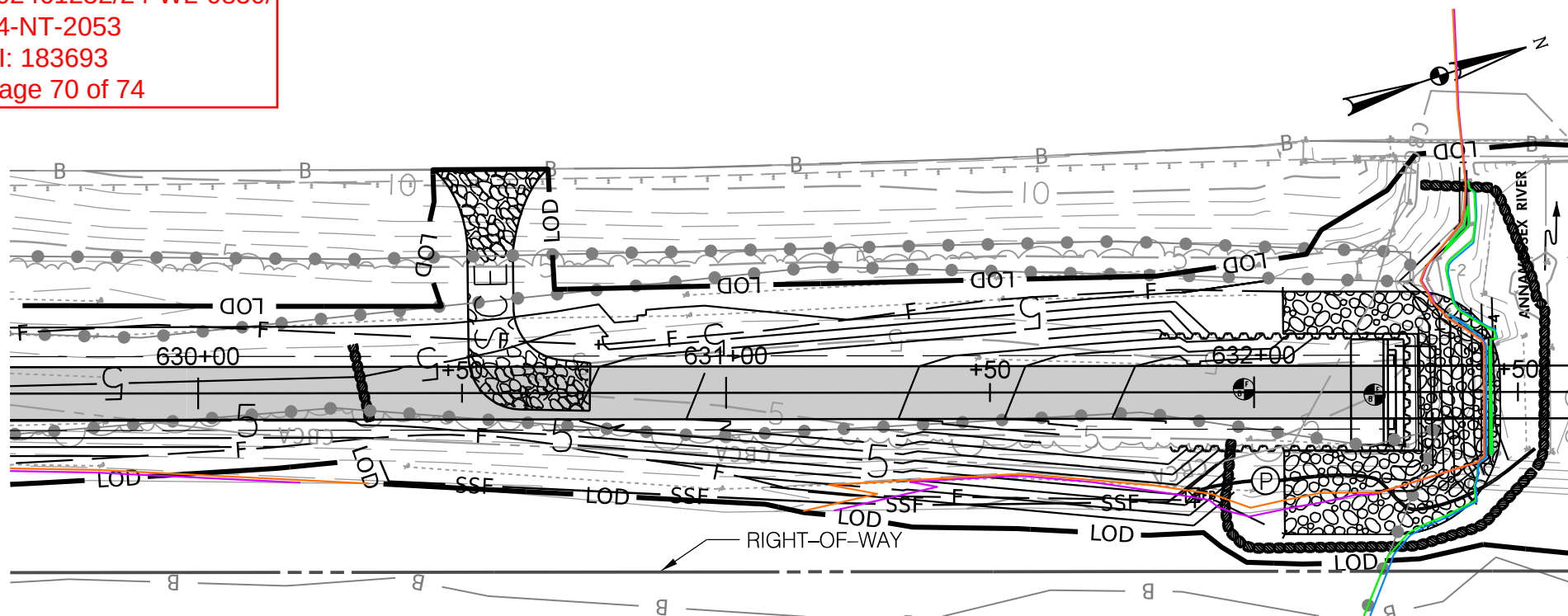
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MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202

MAINTENANCE OF STREAM FLOW

SCALE	1"=30'	ADVERTISED DATE	TBD	CONTRACT NO.	SO1945488
DESIGNED BY	JS	COUNTY	SOMERSET		
DRAWN BY	LA	LOGMILE			
CHECKED BY	AP	HORIZONTAL SCALE			
MDE/PRD	TBD	VERTICAL SCALE			
DRAWING NO.	MOSF- 01 OF 03	SHEET NO.	OF 171		



LEGEND

LOD	LIMIT OF DISTURBANCE	SCE	STABILIZED CONSTRUCTION ENTRANCE
SSF	SILT FENCE	TSOS	TEMPORARY STONE OUTLET STRUCTURE
SSF+	SUPER SILT FENCE	SANDBAG	SANDBAG
SSF+	DIVERSION FENCE	FB	FILTER BAG
720	EXISTING CONTOUR	P	PUMP
729	PROPOSED CONTOUR		
720	RIGHT OF WAY LINE		
729	PROPERTY LINE		
720	MHW LINE		
729	MHW LINE		
720	MLW LINE		
729	MLW LINE		

NOTE:
1. THE LICENSEE (CONTRACTOR) SHALL TRANSPORT ALL DREDGE MATERIAL IN WATERTIGHT TRUCKS. NO DREDGED MATERIAL SHALL BE DISCHARGED ONTO THE ROADWAYS OF THE STATE.

2. THE LICENSEE (CONTRACTOR) SHALL SUBMIT A REQUEST FOR MODIFICATION OF THIS LICENSE (MDE WETLANDS) WHEN THE DREDGE DISPOSAL FACILITY HAS BEEN IDENTIFIED AND AN ACCEPTANCE LETTER FROM THE FACILITY CAN BE PROVIDED. THE LICENSE MUST BE SUBSEQUENTLY REVISED PRIOR TO THE COMMENCEMENT OF ANY DREDGE WORK UNDER THIS LICENSE TO INCLUDE THE DREDGE DISPOSAL FACILITY.

SEQUENCE OF CONSTRUCTION-PHASE 2

1. STAKE OUT THE LIMIT OF DISTURBANCES AS SHOWN ON THIS PLAN.

2. CLEAR AND GRUB THE AREAS FOR INSTALLATION OF SANDBAGS, PUMP FILTER BAG, AND OTHER EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PHASE II INSET.

3. INSTALL THE CHANNEL DIVERSION SYSTEM INCLUDING THE PUMP AROUND SYSTEM, SANDBAG DAM AND FILTER BAG. TEMPORARILY REMOVE TSOS 12-01 FOR THE INSTALLATION OF SANDBAG AND PROPOSED RIPRAP IN THIS PHASE. TSOS-01 MUST BE IN PLACE FOR ADJACENT BIKE PATH INSTALLATION AND OTHER IMPROVEMENTS.

4. DEWATER THE AREAS SURROUNDED BY SANDBAG DIVERSION DAM. REMOVE THE EXISTING TIMBER BULKHEAD AND EMBANKMENT.

5. CONSTRUCT ABUTMENT-A INCLUDING THE PERMANENT SHEET PILE WALL, AND CONCRETE FOOTING, VERTICAL WALL AND BEARING PAD. BACKFILL ABUTMENT-A, AND REGRADE THE CHANNEL BOTTOM AND SIDE SLOPE AS SHOWN ON THE PLANS. STABILIZE THE DISTURBED AREAS BY THIS PROCESS.

6. AFTER ALL THE AREAS DISTURBED BY THIS PROCESS ARE STABILIZED TO FINAL GRADES AND UPON THE APPROVAL OF QAD, REMOVE THE EROSION AND SEDIMENT CONTROL MEASURES. STABILIZE THE AREAS DISTURBED BY THE PROCESS, THEN MOVE TO THE PHASE III CONSTRUCTION.

PHASE-2

MAINTENANCE OF STREAM FLOW

SCALE 1"=30' ADVERTISED DATE TBD CONTRACT NO. SO1945488

DESIGNED BY JS COUNTY SOMERSET

DRAWN BY LA LOGMILE

CHECKED BY AP HORIZONTAL SCALE

MDE/PRD TBD VERTICAL SCALE

DRAWING NO. **MOSF- 02 OF 03** SHEET NO. OF 171

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B



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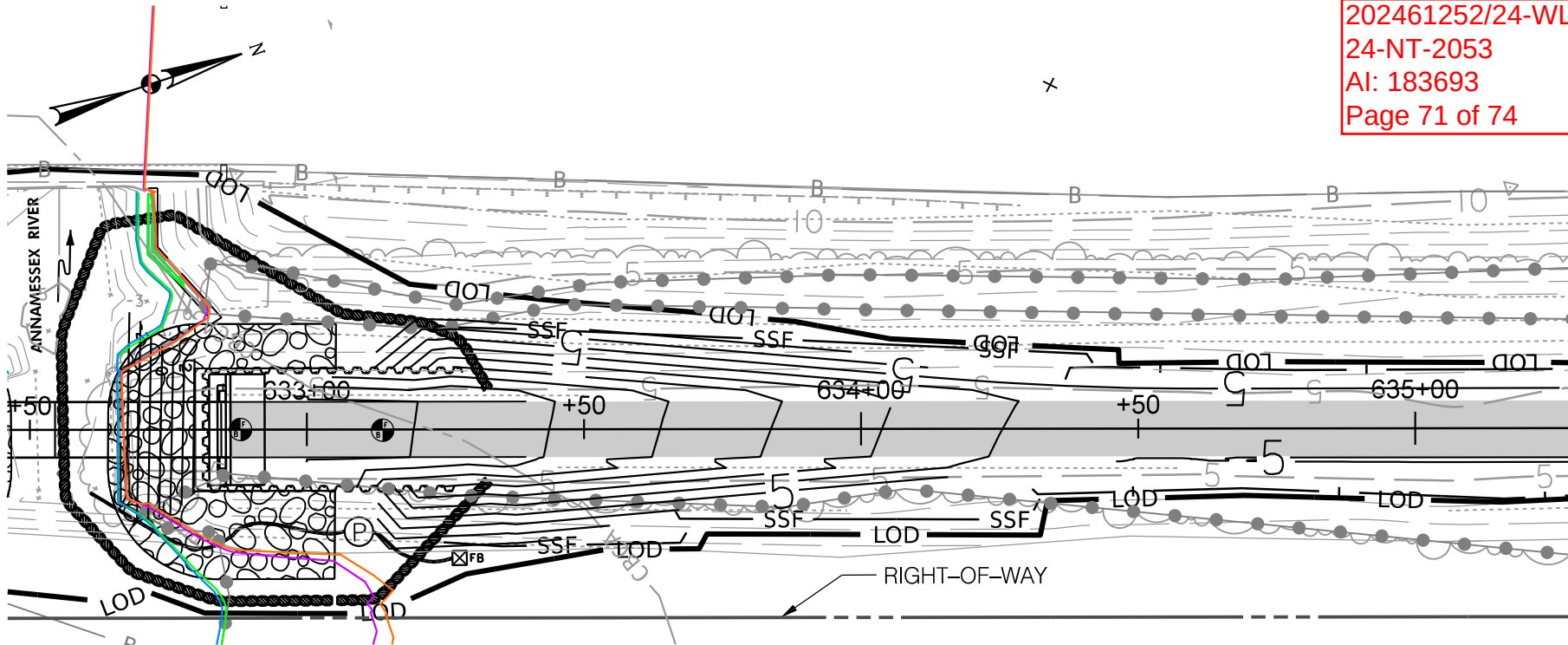
30' 0 30' 60'

SCALE: 1"=30'

MDE MARYLAND DEPARTMENT OF TRANSPORTATION

STATE HIGHWAY ADMINISTRATION

707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202



LEGEND

LOD	LIMIT OF DISTURBANCE	SCE	STABILIZED CONSTRUCTION ENTRANCE
SSF	SILT FENCE	TSOS	TEMPORARY STONE OUTLET STRUCTURE
SSF	SUPER SILT FENCE	FB	SANDBAG FILTER BAG
SSF	DIVERSION FENCE	P	PUMP
720	EXISTING CONTOUR		
729	PROPOSED CONTOUR		
ROW	RIGHT OF WAY LINE		
PL	PROPERTY LINE		
MHHW	MHHW LINE		
MHW	MHW LINE		
MLW	MLW LINE		
MLLW	MLLW LINE		

NOTE:
1. THE LICENSEE (CONTRACTOR) SHALL TRANSPORT ALL DREDGE MATERIAL IN WATERTIGHT TRUCKS. NO DREDGED MATERIAL SHALL BE DISCHARGED ONTO THE ROADWAYS OF THE STATE.

2. THE LICENSEE (CONTRACTOR) SHALL SUBMIT A REQUEST FOR MODIFICATION OF THIS LICENSE (MDE WETLANDS) WHEN THE DREDGE DISPOSAL FACILITY HAS BEEN IDENTIFIED AND AN ACCEPTANCE LETTER FROM THE FACILITY CAN BE PROVIDED. THE LICENSE MUST BE SUBSEQUENTLY REVISED PRIOR TO THE COMMENCEMENT OF ANY DREDGE WORK UNDER THIS LICENSE TO INCLUDE THE DREDGE DISPOSAL FACILITY.

SEQUENCE OF CONSTRUCTION-PHASE III

1. STAKE OUT THE LIMIT OF DISTURBANCES AS SHOWN ON THIS PLAN.
2. RESET AND ADJUST THE SANDBAG DIVERSION DAM INSTALLED IN PHASE II TO THE LOCATION AS SHOWN ON THIS SHEET. CLEAR AND GRUB THE AREAS FOR INSTALLATION OF OTHER EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON PHASE II INSET.
3. INSTALL CHANNEL DIVERSION SYSTEM INCLUDING PUMP AROUND SYSTEM, AND FILTER BAG.
4. DEWATER THE AREA SURROUNDED BY SANDBAG DIVERSION DAM. REMOVE THE EXISTING TIMBER BULKHEAD AND EMBANKMENT.
5. CONSTRUCT ABUTMENT-B INCLUDING THE PERMANENT SHEET PILE WALL, AND CONCRETE FOOTING, VERTICAL WALL AND BEARING PAD. BACKFILL THE ABUTMENT AND REGRADE THE CHANNEL BOTTOM AND SIDE SLOPE AS SHOWN ON THE PLANS. STABILIZE THE AREAS DISTURBED BY THIS PROCESS.
6. AFTER ALL THE AREAS DISTURBED BY THIS PROCESS ARE STABILIZED TO FINAL GRADES AND UPON THE APPROVAL OF QAD, REMOVE THE EROSION AND SEDIMENT CONTROL MEASURES. STABILIZE THE AREAS DISTURBED BY THIS PROCESS.
7. UPON THE ABUTMENT -A AND B ARE CONSTRUCTED, INSTALL THE PRE-ENGINEERED STEEL TRUSS BRIDGE, AND ASSOCIATED CHAIN LINK FENCE BY FOLLOWING THE TECHNICAL PROCEDURES PROPOSED ON BRIDGE DESIGN PLANS.

PHASE-3

MAINTENANCE OF STREAM FLOW

SCALE	ADVERTISED DATE	TBD	CONTRACT NO.	SO1945488
DESIGNED BY	JS	COUNTY	SOMERSET	
DRAWN BY	LA	LOGMILE		
CHECKED BY	AP	HORIZONTAL SCALE		
MDE/PRD	TBD	VERTICAL SCALE		
DRAWING NO.	MOSF- 03	OF	03	SHEET NO. OF 171

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -
PHASE 2A&2B

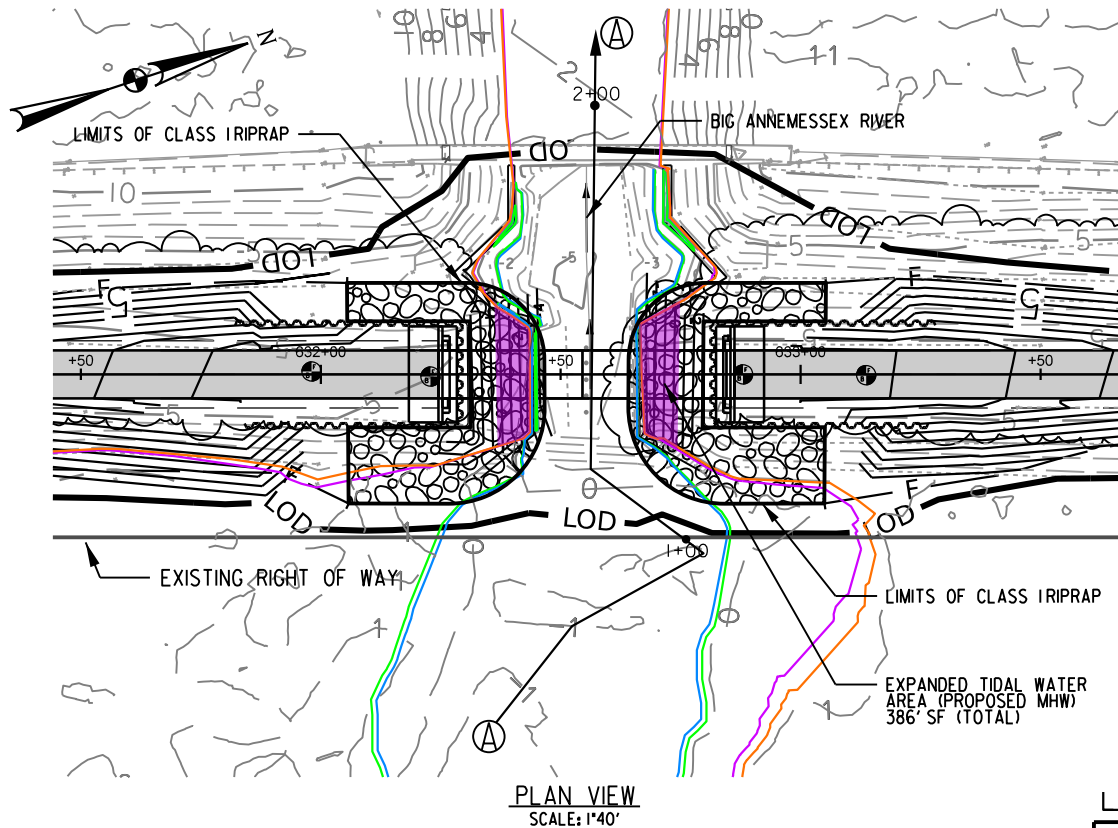
30' 0 30' 60'
SCALE: 1"=30'



BRUDIS & ASSOCIATES, INC.
Consulting Engineers

11000 Broken Land Parkway; Suite 450
Columbia, Maryland 21044
Phone: 410-884-3607
www.brudis.com

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
707 NORTH CALVERT ST.
BALTIMORE, MARYLAND 21202



TIDAL DATUMS

	NAVD88
MLW	-1.07'
MHW	0.69'
MHHW	0.85'

NOTE: PLAN VIEW
TOPOGRAPHY IS DISPLAYED
IN NAVD88 DATUM

LEGEND

— LOD	LIMIT OF DISTURBANCE
~~~~~	TREE LINE
---	EX. PROPERTY BOUNDARY
— C — F —	CUT / FILL LINE
— 315 —	PROPOSED CONTOUR
— 315 —	EXISTING CONTOUR
— MHW —	MHW LINE
— MLW —	MLW LINE
— MLLW —	MLLW LINE
— MHHW —	MHHW LINE

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.  
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -  
PHASE 2A&2B



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40' 0 40' 80'



SCALE: 1"=40'

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BALTIMORE, MARYLAND 21202

#### STREAM PLAN VIEW

SCALE _____ ADVERTISED DATE _____ TBD _____ CONTRACT NO. _____ SO1945488 _____

DESIGNED BY _____ COUNTY _____ SOMERSET _____

DRAWN BY _____ LOGMILE _____

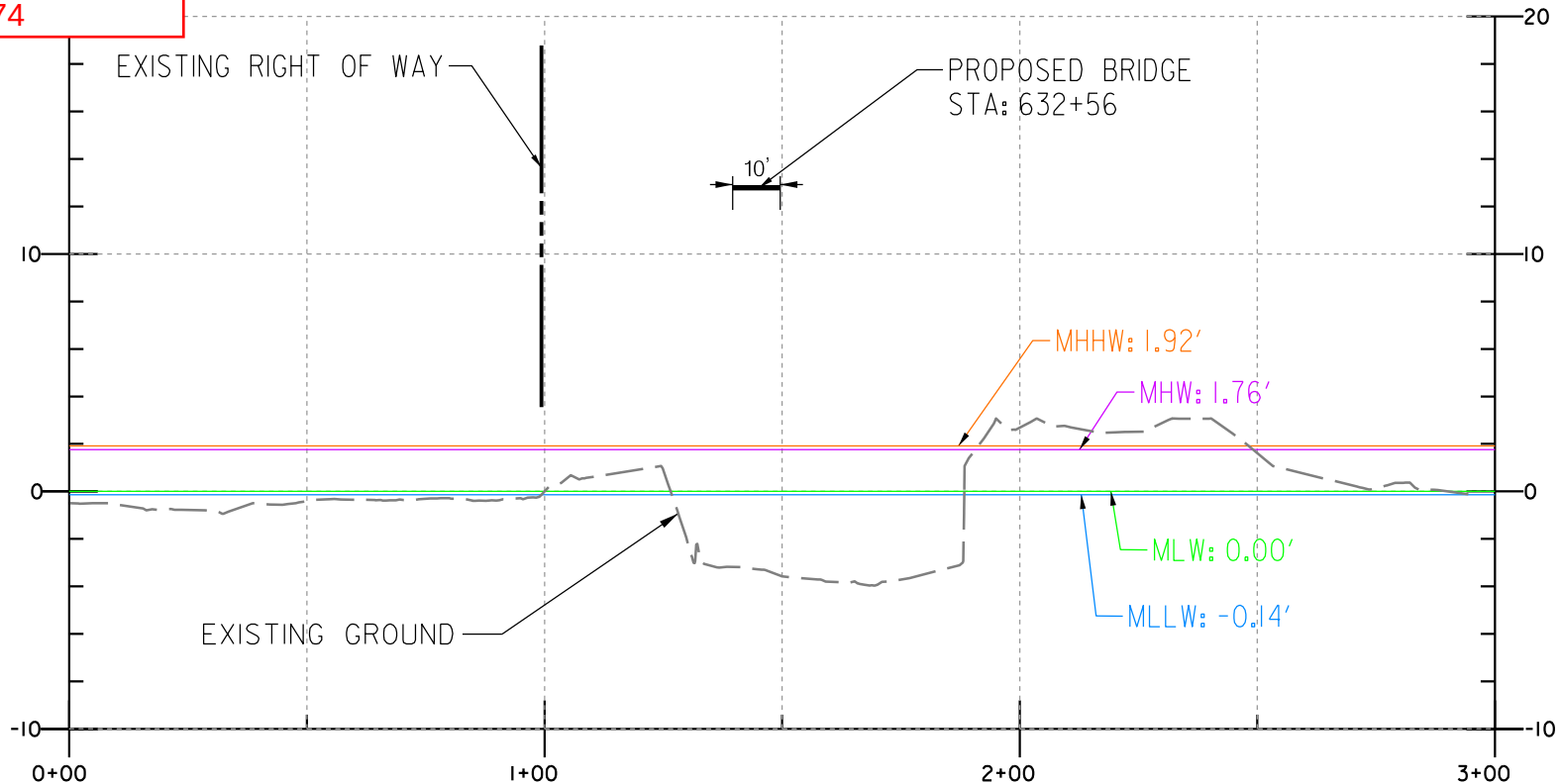
CHECKED BY _____ HORIZONTAL SCALE _____

MDE/PRD _____ TBD _____ VERTICAL SCALE _____

DRAWING NO. **XS- 01** OF **03** SHEET NO. _____ OF 171



202461252/24-WL-0850/  
24-NT-2053  
AI: 183693  
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#### TIDAL DATUMS

	MLW
MLW	0.00'
MHW	1.76'
MHHW	1.92'

NOTE: STREAM PROFILE  
TOPOGRAPHY IS DISPLAYED  
IN MLW DATUM

#### STREAM THALWEG PROFILE - BIG ANNEMESSEX RIVER

SECTION A-A  
SCALE HORZ: 1"=40'  
VERT: 1"=8'

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.  
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -  
PHASE 2A&2B



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SCALE: 1"=40'

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707 NORTH CALVERT ST.  
BALTIMORE, MARYLAND 21202

#### STREAM CROSS SECTION

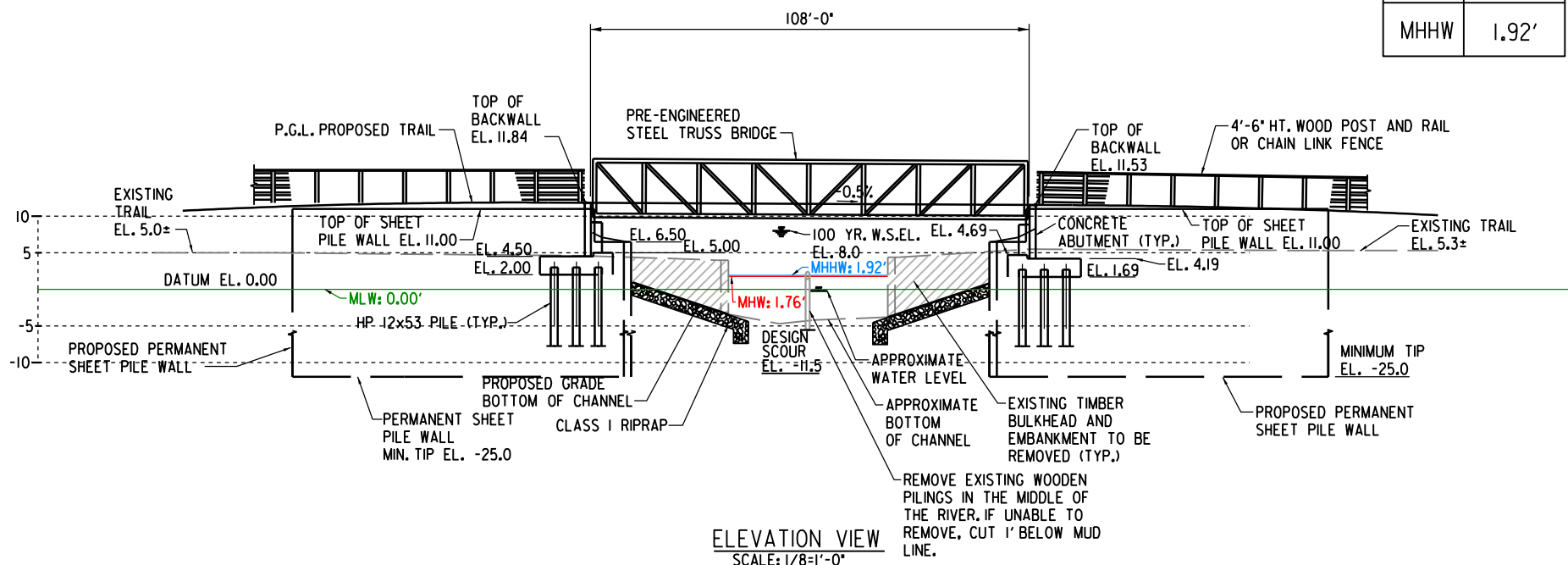
SCALE _____ ADVERTISED DATE _____ TBD _____ CONTRACT NO. _____ SO1945488 _____

DESIGNED BY _____ COUNTY _____ SOMERSET  
DRAWN BY _____ LOGMILE _____  
CHECKED BY _____ HORIZONTAL SCALE _____  
MDE/PRD _____ TBD _____ VERTICAL SCALE _____

DRAWING NO. **XS- 02** OF **03** SHEET NO. _____ OF 171

# TIDAL DATUMS

	MLW
MLW	0.00'
MHW	1.76'
MHHW	1.92'



NOTE: THIS DRAWING IS FOR PERMITTING REVIEW PURPOSES ONLY AND NOT FOR CONSTRUCTION. ELEVATIONS SHOWN ON ELEVATION VIEW ARE BASED ON MEAN LOW WATER (MLW) DATUM, AND ELEVATIONS SHOWN ON PLAN VIEW ARE NAVD88 DATUM

MD 413 BIKE PATH FROM DAVIS LANE TO 1000 FT.  
NORTH OF BIG ANNEMESSEX RIVER BRIDGE -  
PHASE 2A&2B



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SCALE: 1"=40'

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BALTIMORE, MARYLAND 21202

## BRIDGE CROSS SECTION

SCALE _____ ADVERTISED DATE _____ TBD _____ CONTRACT NO. _____ SO1945488 _____

DESIGNED BY _____ COUNTY _____ SOMERSET _____

DRAWN BY _____ LOGMILE _____

CHECKED BY _____ HORIZONTAL SCALE _____

MDE/PRD _____ TBD _____ VERTICAL SCALE _____

DRAWING NO. **XS- 03** OF **03** SHEET NO. _____ OF 171