

NEW WORK LEGEND

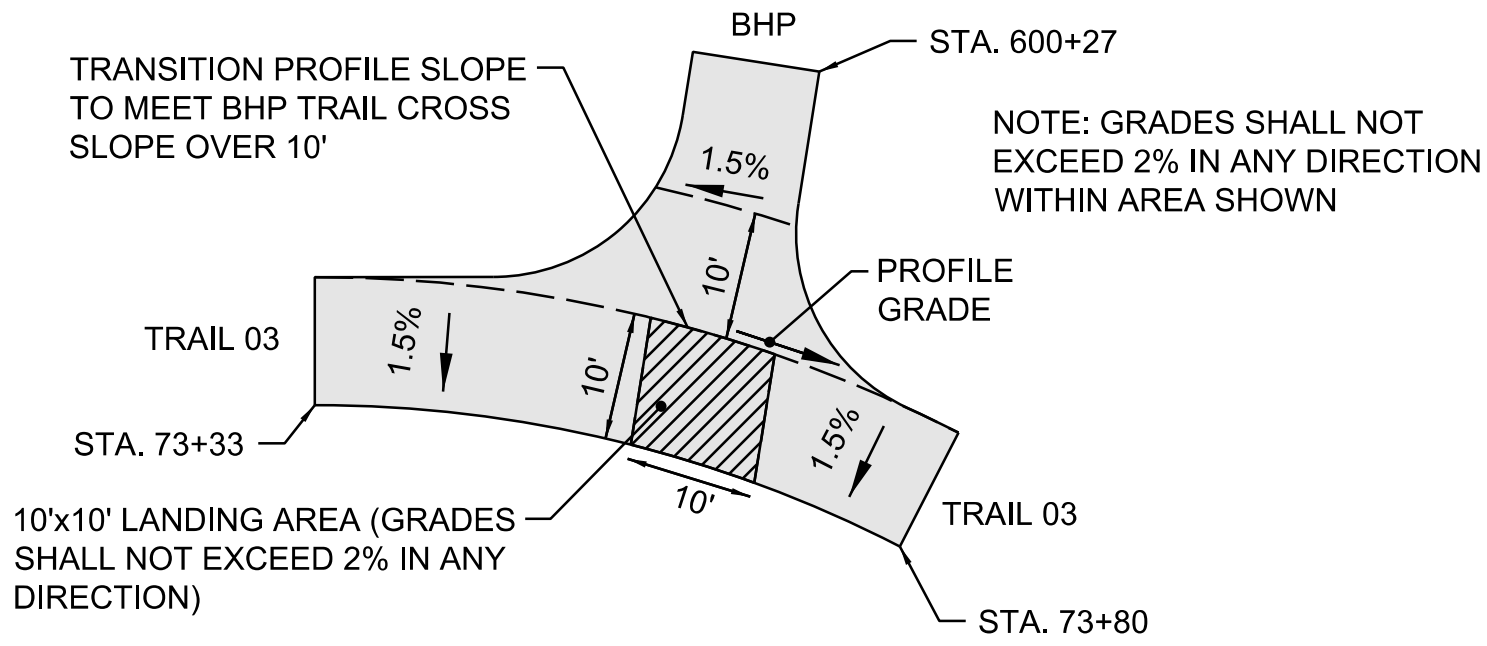
- (2) PROPOSED 10' TRAIL
- (7) PROPOSED DRAINAGE DITCH (SEE TYPICAL SECTIONS)

SHEET REFERENCES	
TRAIL 3 PROFILE	PR-07 TO PR-08
TRAIL BHP PROFILE	PR-09
STORM DRAIN PROFILES	SDP-02

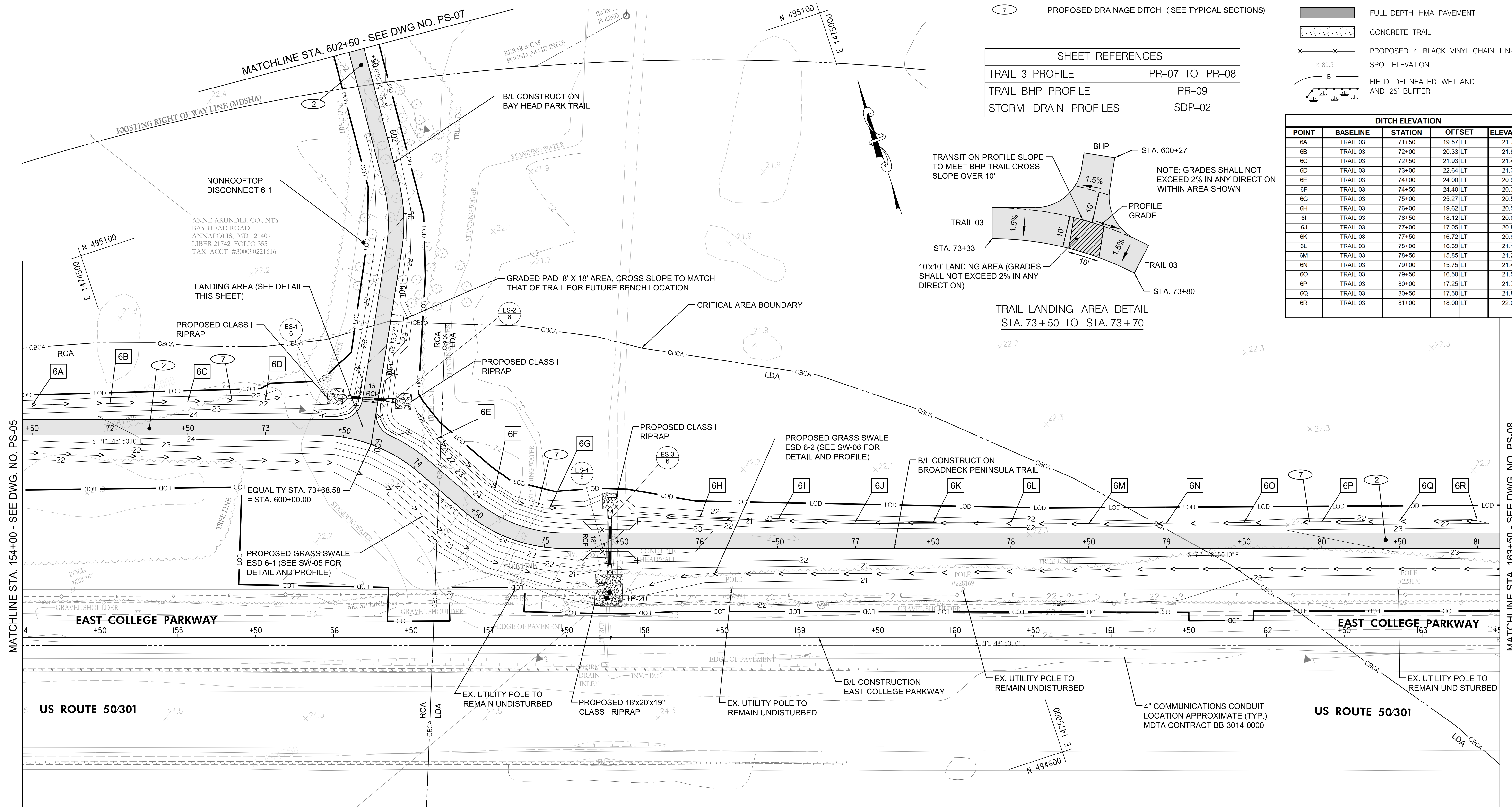
LEGEND

- BROADNECK TRAIL - HMA PAVEMENT
- FULL DEPTH HMA PAVEMENT
- CONCRETE TRAIL
- PROPOSED 4' BLACK VINYL CHAIN LINK FENCE
- SPOT ELEVATION
- FIELD DELINEATED WETLAND AND 25' BUFFER

DITCH ELEVATION				
POINT	BASELINE	STATION	OFFSET	ELEVATION
6A	TRAIL 03	71+50	19.57 LT	21.75
6B	TRAIL 03	72+00	20.33 LT	21.60
6C	TRAIL 03	72+50	21.93 LT	21.45
6D	TRAIL 03	73+00	22.64 LT	21.30
6E	TRAIL 03	74+00	24.00 LT	20.90
6F	TRAIL 03	74+50	24.40 LT	20.70
6G	TRAIL 03	75+00	25.27 LT	20.50
6H	TRAIL 03	76+00	19.62 LT	20.50
6I	TRAIL 03	76+50	18.12 LT	20.65
6J	TRAIL 03	77+00	17.05 LT	20.80
6K	TRAIL 03	77+50	16.72 LT	20.95
6L	TRAIL 03	78+00	16.39 LT	21.10
6M	TRAIL 03	78+50	15.85 LT	21.25
6N	TRAIL 03	79+00	15.75 LT	21.40
6O	TRAIL 03	79+50	16.50 LT	21.55
6P	TRAIL 03	80+00	17.25 LT	21.70
6Q	TRAIL 03	80+50	17.50 LT	21.85
6R	TRAIL 03	81+00	18.00 LT	22.00



TRAIL LANDING AREA DETAIL
STA. 73+50 TO STA. 73+70



- NOTES
- CONTRACTOR SHALL TEST PIT THE UTILITIES AS INDICATED BY: LOCATIONS MAY VARY DEPENDING ON ACCURATE FIELD DESIGNATIONS BY MISS UTILITY OR OTHER PRIVATE UTILITY LOCATOR.

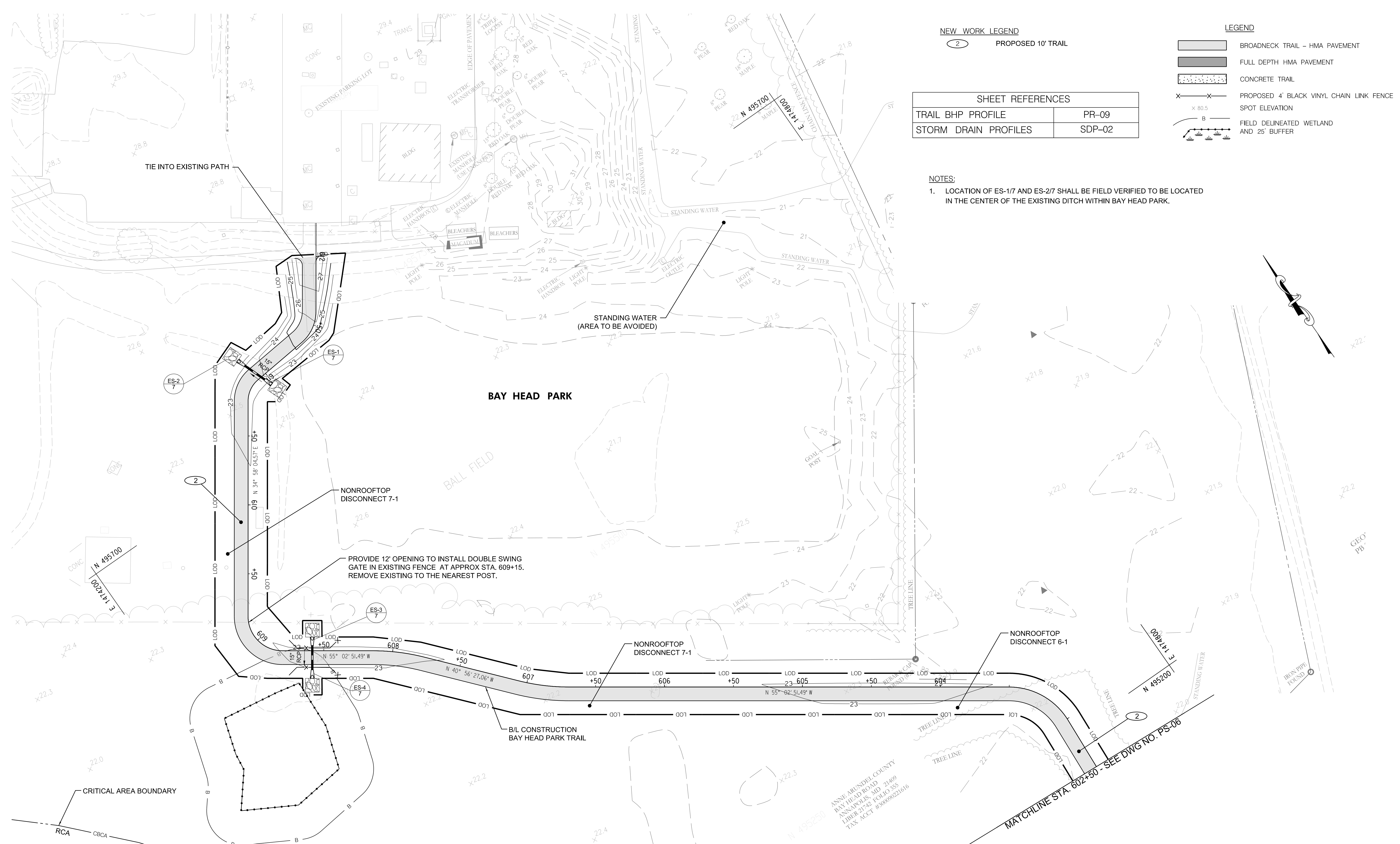
TEST PIT INFORMATION						
NO.	UTILITY	NORTHING	EASTING	ELEVATION	TOP OF UTILITY	COMPLETED
TP-20	ELECTRIC	494,786.83	1,474,753.89	20.82		

NOTE: THE CONTRACTOR TO TEST PIT TP-20. THE CONTRACTOR SHALL CALL "MISS UTILITY" 1-800-257-7777 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION.



GP# G02018957 DWG. NO.: PS-06

<p>AECOM 4 NORTH PARK DRIVE SUITE 300 HUNT VALLEY, MARYLAND 21030 PHONE: 410-785-7220 FAX: 410-785-6818</p>	<p>PROFESSIONAL CERTIFICATION</p> <p>"I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."</p> <p>MD LICENSE NUMBER: S3587 EXPIRATION DATE: 12-09-2024</p>		<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>BY</th> <th>DATE</th> <th></th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>				NO.	DESCRIPTION	BY	DATE																	<p>APPROVED DATE APPROVED DATE SCALE: AS NOTED</p> <p> 11/20/2023 08:59 EST 11/17/2023 08:10 EST CHIEF ENGINEER PROJECT MANAGER CHECKED BY: DMT</p> <p>APPROVED DATE APPROVED DATE SHEET NO. 24 OF 116</p> <p> 11/17/2023 11:56 EST 11/17/2023 18:30 EST ASSISTANT CHIEF ENGINEER CHIEF, RIGHT OF WAY PROJECT NO. P504100 CONTRACT NO. P504105</p>			
			NO.	DESCRIPTION	BY	DATE																								
<p>ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS</p>			<p>BROADNECK PENINSULA TRAIL PHASE IB & V</p>																											
<p>06/08/2023</p>			<p>PLAN SHEET</p>																											



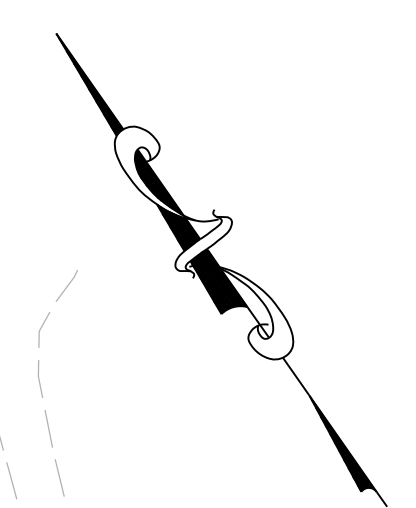
NEW WORK LEGEND
 (2) PROPOSED 10' TRAIL

LEGEND
 [Symbol] BROADNECK TRAIL - HMA PAVEMENT
 [Symbol] FULL DEPTH HMA PAVEMENT
 [Symbol] CONCRETE TRAIL
 [Symbol] PROPOSED 4' BLACK VINYL CHAIN LINK FENCE
 [Symbol] SPOT ELEVATION
 [Symbol] FIELD DELINEATED WETLAND AND 25' BUFFER

SHEET REFERENCES

TRAIL BHP PROFILE	PR-09
STORM DRAIN PROFILES	SDP-02

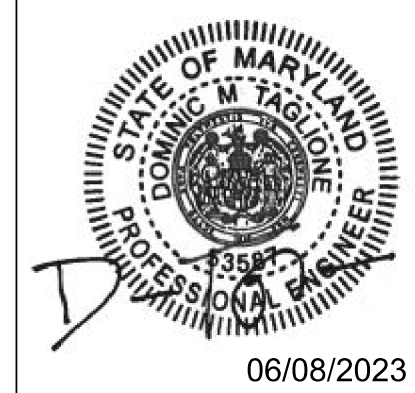
NOTES:
 1. LOCATION OF ES-1/7 AND ES-2/7 SHALL BE FIELD VERIFIED TO BE LOCATED IN THE CENTER OF THE EXISTING DITCH WITHIN BAY HEAD PARK.



GP# G02018957 DWG. NO.: PS-07

AECOM
 4 NORTH PARK DRIVE
 SUITE 300
 HUNT VALLEY, MARYLAND 21030
 PHONE: 410-785-7220
 FAX: 410-785-6818

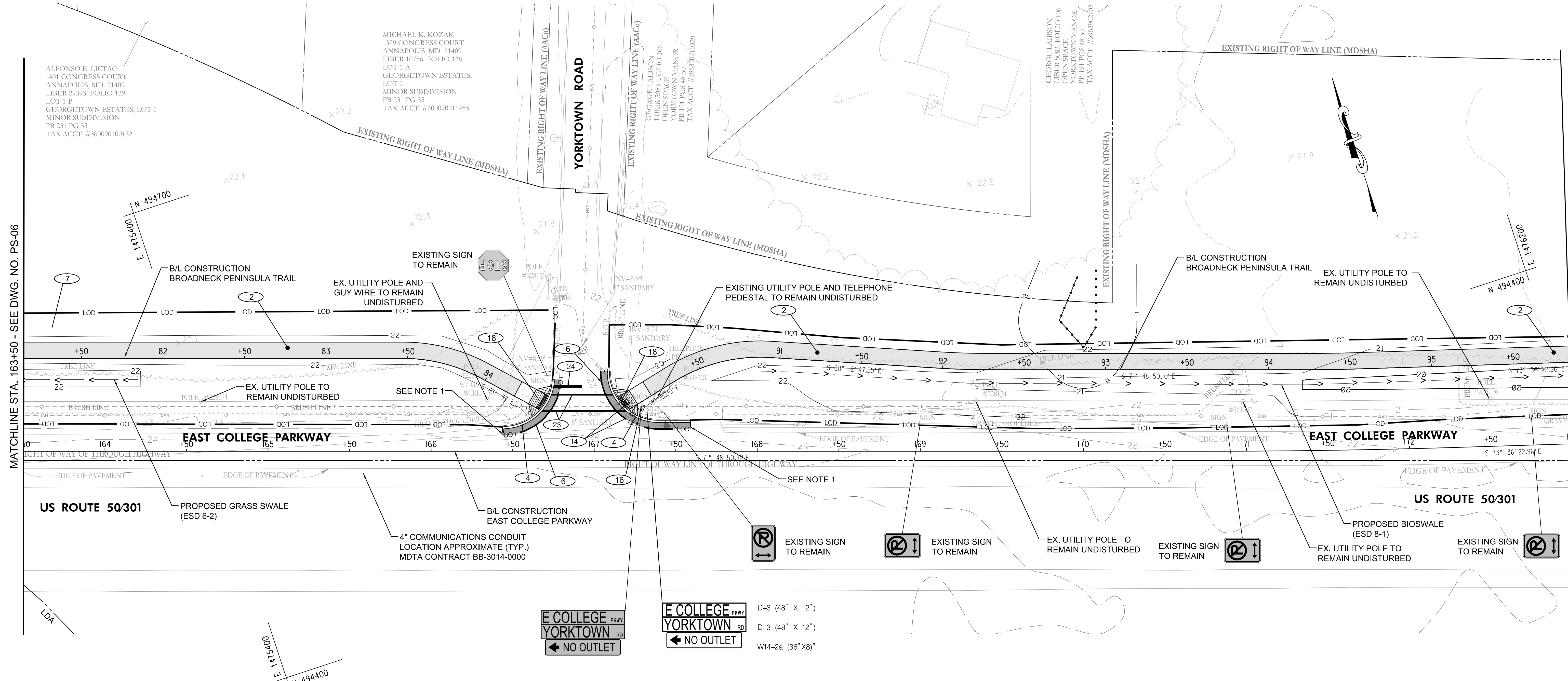
PROFESSIONAL CERTIFICATION
 "I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."
 MD LICENSE NUMBER: 53587
 EXPIRATION DATE: 12-09-2024



REVISIONS			
NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 25 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	

BROADNECK PENINSULA TRAIL PHASE IB & V
PLAN SHEET



MATCHLINE STA. 163+50 - SEE DWG. NO. PS-06

MATCHLINE STA. 173+00 - SEE DWG. NO. PS-09

- NOTES**
- INSTALL 5" WHITE PAVEMENT MARKING LINE ALONG EDGE OF PROPOSED GUTTER PAN. TIE INTO EXISTING PAVEMENT PARKING AT THE END OF THE NEW CURB AND GUTTER.

- NEW WORK LEGEND**
- 1 PROPOSED 8' TRAIL
 - 4 PROPOSED CURB AND GUTTER
 - 6 FULL DEPTH SAWCUT
 - 7 PROPOSED DRAINAGE DITCH (SEE TYPICAL SECTIONS)
 - 14 EXISTING SANITARY MANHOLE TO BE ADJUSTED (FRAME & COVER)
 - 16 EXISTING SIGN TO BE RELOCATED
 - 18 PROPOSED CURB RAMP MDOT SHA STANDARD 655.11
 - 22 REMOVE EXISTING STOP BAR
 - 23 12" WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
 - 24 24" WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS

SHEET REFERENCES	
TRAIL 3 PROFILE	PR-08
TRAIL 4 PROFILE	PR-10
INTERSECTION DETAIL	ID-03

- LEGEND**
- BROADNECK TRAIL - HMA PAVEMENT
 - FULL DEPTH HMA PAVEMENT
 - CONCRETE TRAIL
 - PROPOSED 4' BLACK VINYL CHAIN LINK FENCE
 - SPOT ELEVATION
 - FIELD DELINEATED WETLAND AND 25' BUFFER



AECOM

AECOM
4 NORTH PARK DRIVE
SUITE 300
HUNT VALLEY, MARYLAND 21030
PHONE: 410-785-7220
FAX: 410-785-6818

PROFESSIONAL CERTIFICATION

"I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."

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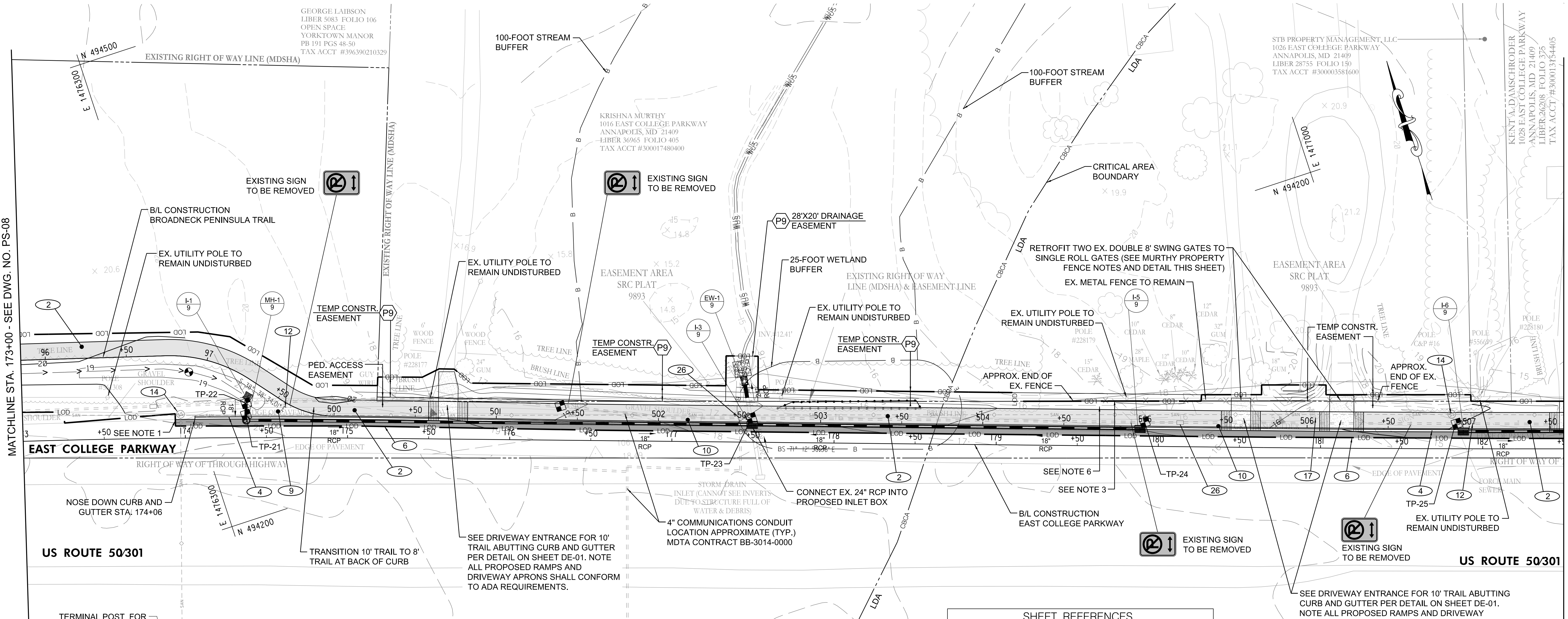
ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

APPROVED	DATE	APPROVED	DATE	SCALE: AS NOTED
	11/20/2023 08:59 EST		11/17/2023 08:00 EST	DRAWN BY: DMT
CHIEF ENGINEER		PROJECT MANAGER		CHECKED BY: DMT
APPROVED	DATE	APPROVED	DATE	SHEET NO. 26 OF 116
	11/17/2023 11:56 EST		11/17/2023 18:30 EST	PROJECT NO. P504100
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY		CONTRACT NO. P504105

BROADNECK PENINSULA TRAIL PHASE IB & V

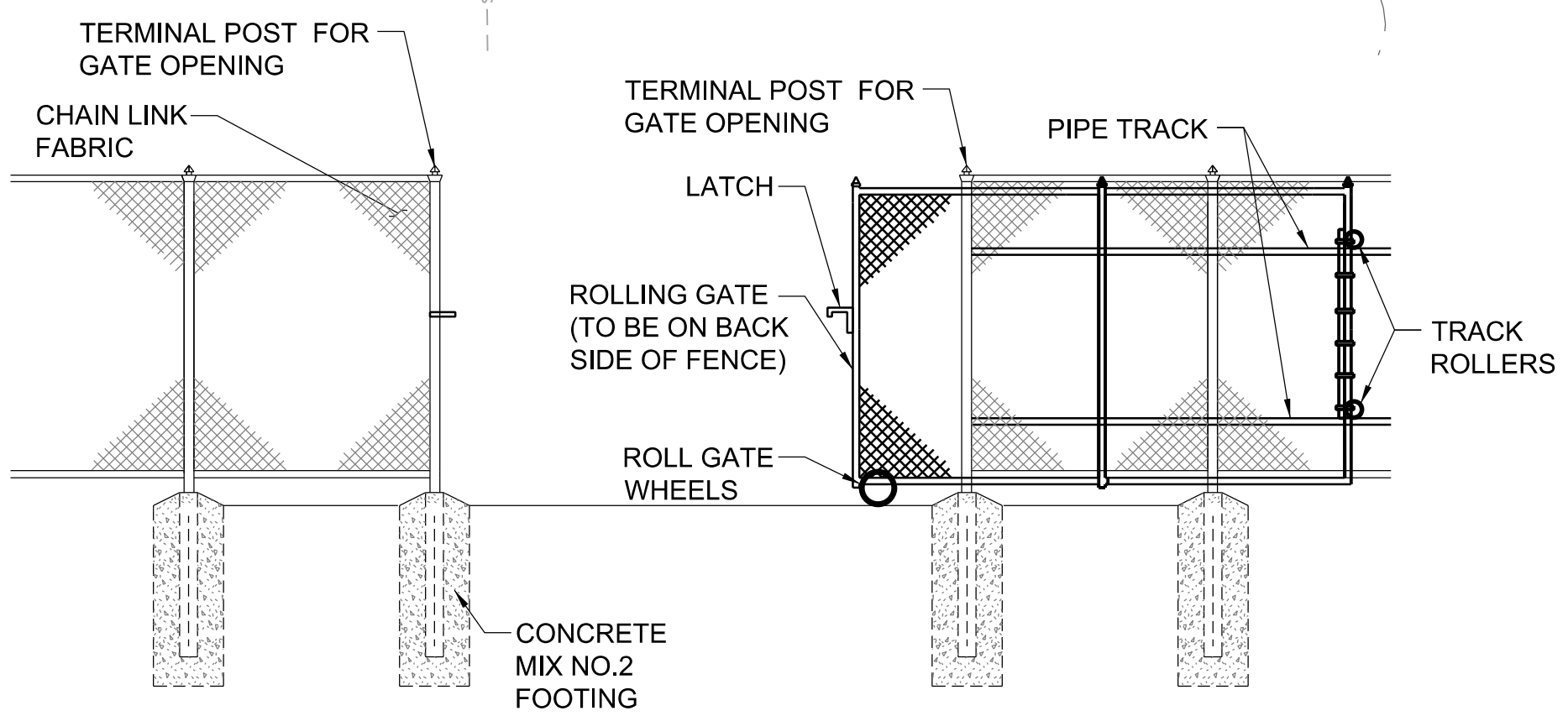
PLAN SHEET

GP# G02018957 DWG. NO.: PS-08



MATCHLINE STA. 173+00 - SEE DWG. NO. PS-08

MATCHLINE STA. 182+50 - SEE DWG. NO. PS-10



- NOTES:**
- GATE WIDTH SHALL BE 16 FEET WITH ONE ROLLING GATE PER DRIVEWAY.
 - GATE HEIGHT SHALL MATCH EXISTING FENCE.
 - INSTALL PRIVACY SLATS IN ROLLING GATE MESH FABRIC
 - FENCING COMPONENTS SHALL BE GALVANIZED STEEL INCLUDING FRAMES, GATES, POSTS, RAILS, LATCH, TENSION WIRE, AND FABRIC
 - SHALL MATCHING EXISTING FENCE.
- SUBMIT SHOP DRAWING FOR REVIEW AND APPROVAL.

CHAIN LINK ROLLING GATE - MURTHY PROPERTY
NOT TO SCALE

PROPERTY DESCRIPTION	FEE SIMPLE	DRAINAGE EASEMENT	PEDESTRIAN ACCESS EASEMENT	TEMPORARY CONSTRUCTION EASEMENT	RECORDED REFERENCE (LIBER/ FOLIO)
Krishna Murthy Liber 36965, Folio 405	--	554 SF = 0.01 AC.	229 SF = 0.01 AC.	4,877 SF = 0.11 AC.	38680 / 412

MURTHY PROPERTY FENCE NOTES:

- TEMPORARILY REMOVE EXISTING FENCE MESH FABRIC WITH PRIVACY SLATS ONLY AS NECESSARY TO PERFORM THE WORK WHEN APPROVED BY THE ENGINEER. REMOVE FENCE POSTS AND FOOTINGS ONLY WHEN APPROVED BY THE ENGINEER.
- REMOVE TWO EXISTING DOUBLE 8-FOOT GATES AND REPLACE WITH TWO SINGLE COMMERCIAL GRADE ROLLING GATES WITH PRIVACY SLATS TO MATCH THE GALVANIZED FRAME GAUGE AND WITH MATCHING ROLLING GATE HARDWARE KITS, DOUBLE WHEEL CARRIER (1 PER GATE), PIPE TRACK AND TUBING, BRACKETS AND LATCH FOR EACH GATE. SEE DETAIL THIS SHEET.
- ANY SALVAGED METAL FENCE MATERIALS NOT REINSTALLED TO BE RETURNED TO LANDOWNER AS APPROVED BY THE ENGINEER.
- WHEN POSTS ARE REMOVED REPLACE WITH NEW POSTS AND CONCRETE FOOTINGS TO MATCH EXISTING CONDITIONS.
- PORTIONS OF THE EXISTING FENCE DETERMINED TO BE DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED WITH A NEW FENCE, IN-KIND. THOSE DAMAGED SECTION(S) OF FENCE SHALL BE REUSED TO EXTEND THE EXISTING FENCE, AT ITS CURRENT LOCATION AND ALIGNMENT.
- THE CONTRACTOR SHALL FINE GRADE LOW-LYING AREAS FOR POSITIVE DRAINAGE BETWEEN THE EDGE OF THE PROPOSED TRAIL AND THE PROPERTY LINE.

SHEET REFERENCES

TRAIL 4 PROFILE	PR-10 TO PR-11
STORM DRAIN PROFILES	SDP-03

TEST PIT INFORMATION

NO.	UTILITY	NORTHING	EASTING	ELEVATION	TOP OF UTILITY	COMPLETED
TP-21	SANITARY	1,476,329.76	494,262.79	19.80		
TP-22	FIBER OPTIC	1,476,332.00	494,269.58	19.79		
TP-23	FIBER OPTIC	1,476,625.25	494,163.65	16.81		
TP-24	FIBER OPTIC	1,476,854.78	494,085.47	15.78		
TP-25	FIBER OPTIC	1,477,037.28	494,024.56	14.15		

NOTE: THE CONTRACTOR TO TEST PIT TP-21, TP-22, TP-23, TP-24, AND TP-25. THE CONTRACTOR SHALL CALL "MISS UTILITY" 1-800-257-7777 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION.

NEW WORK LEGEND

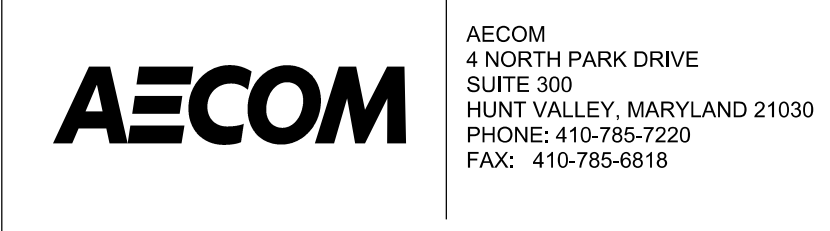
- (2) PROPOSED 10' TRAIL
- (4) PROPOSED CURB AND GUTTER
- (6) FULL DEPTH SAWCUT
- (9) REMOVE EXISTING PAVEMENT SECTION
- (10) REMOVE EXISTING GRAVEL SHOULDER
- (12) EXISTING TELEPHONE HANDBOX TO BE ADJUSTED
- (14) EXISTING SANITARY MANHOLE TO BE ADJUSTED (FRAME & COVER)
- (17) EXISTING MAILBOX TO BE RELOCATED
- (26) EXISTING COMMUNICATIONS VAULT/HANDHOLE TO BE ADJUSTED (FRAME & COVER), COVER/LID TO BE FLUSH WITH FINAL GRADE OF TRAIL. LOCATION IS APPROXIMATE.

NOTES

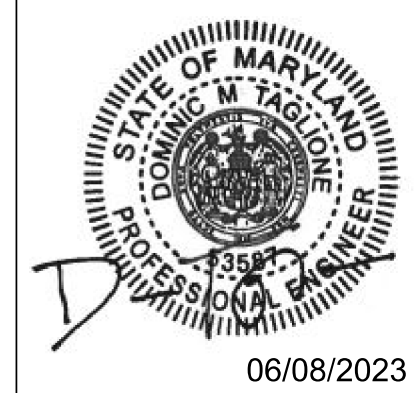
- INSTALL 5" WHITE PAVEMENT MARKING LINE ALONG EDGE OF PROPOSED GUTTER PAN. TIE INTO EXISTING PAVEMENT PARKING AT THE END OF THE NEW CURB AND GUTTER.
- CONTRACTOR SHALL TEST PIT THE UTILITIES AS INDICATED BY: [Symbol] LOCATIONS MAY VARY DEPENDING ON ACCURATE FIELD DESIGNATIONS BY MISS UTILITY OR OTHER PRIVATE UTILITY LOCATOR.
- VERIFY LOCATION OF EXISTING METAL FENCE. REMOVE AND RESET AS APPROVED OR DIRECTED BY THE ENGINEER. SEE MURTHY PROPERTY FENCE NOTES THIS SHEET.

LEGEND

- [Symbol] BROADNECK TRAIL - HMA PAVEMENT
- [Symbol] FULL DEPTH HMA PAVEMENT
- [Symbol] CONCRETE TRAIL
- [Symbol] PROPOSED 4' BLACK VINYL CHAIN LINK FENCE
- [Symbol] SPOT ELEVATION
- [Symbol] FIELD DELINEATED WETLAND AND 25' BUFFER



PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-09-2024



REVISIONS

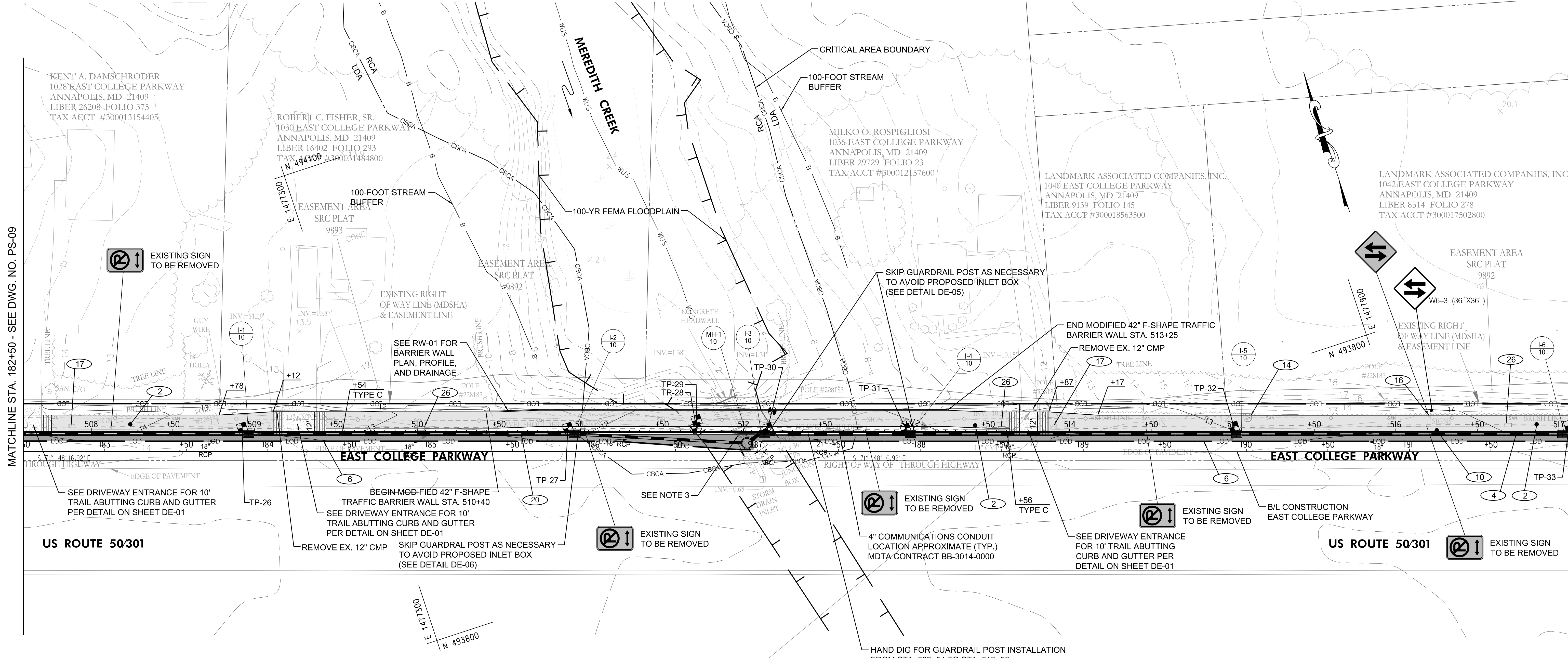
NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED	DATE	APPROVED	DATE
[Signature]	11/20/2023 08:59 EST	[Signature]	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
[Signature]	11/17/2023 11:56 EST	[Signature]	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

GP# G02018957 DWG. NO.: PS-09

BROADNECK PENINSULA TRAIL PHASE IB & V
PLAN SHEET



MATCHLINE STA. 182+50 - SEE DWG. NO. PS-09

MATCHLINE STA. 192+00 - SEE DWG. NO. PS-11

NOTES

- INSTALL 5" WHITE PAVEMENT MARKING LINE ALONG EDGE OF PROPOSED GUTTER PAN.
- CONTRACTOR SHALL TEST PIT THE UTILITIES AS INDICATED BY: LOCATIONS MAY VARY DEPENDING ON ACCURATE FIELD DESIGNATIONS BY MISS UTILITY OR OTHER PRIVATE UTILITY LOCATOR.
- EXISTING JUNCTION BOX SHOWN PER ANNE ARUNDEL RECORD DRAWINGS 7732 AND 7737 (BROADNECK INTERCEPTOR CONTRACT 588-S)

TEST PIT INFORMATION						
NO.	UTILITY	NORTHING	EASTING	ELEVATION	TOP OF UTILITY	COMPLETED
TP-26	FIBER OPTIC	1,477,227.24	493,961.26	13.12		
TP-27	FIBER OPTIC	1,477,416.67	493,898.60	11.55		
TP-28	FIBER OPTIC	1,477,491.83	493,898.60	10.97		
TP-29	SANITARY	1,477,493.49	493,878.76	9.49		
TP-30	FIBER OPTIC	1,477,533.38	493,860.33	10.63		
TP-31	FIBER OPTIC	1,477,613.57	493,833.53	11.10		
TP-32	FIBER OPTIC	1,477,605.15	493,771.96	12.54		
TP-33	FIBER OPTIC	1,478,000.86	493,708.76	13.91		

NOTE: THE CONTRACTOR TO TEST PIT TP-26, TP-27, TP-28, TP-29, TP-30, TP-31, TP-32, AND TP-33. THE CONTRACTOR SHALL CALL "MISS UTILITY" 1-800-257-7777 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION.

NEW WORK LEGEND

- PROPOSED 10' TRAIL
- PROPOSED CURB AND GUTTER
- FULL DEPTH SAWCUT
- REMOVE EXISTING GRAVEL SHOULDER
- EXISTING SANITARY MANHOLE TO BE ADJUSTED (FRAME & COVER)
- EXISTING SIGN TO BE RELOCATED
- EXISTING MAILBOX TO BE RELOCATED
- PROPOSED W-BEAM TRAFFIC BARRIER
- EXISTING COMMUNICATIONS VAULT/HANDHOLE TO BE ADJUSTED (FRAME & COVER) . COVER/LID TO BE FLUSH WITH FINAL GRADE OF TRAIL. LOCATION IS APPROXIMATE.

LEGEND

- BROADNECK TRAIL - HMA PAVEMENT
- FULL DEPTH HMA PAVEMENT
- CONCRETE TRAIL
- PROPOSED 4' BLACK VINYL CHAIN LINK FENCE
- SPOT ELEVATION
- FIELD DELINEATED WETLAND AND 25' BUFFER



SHEET REFERENCES	
TRAIL 4 PROFILE	PR-11 TO PR-12
STORM DRAIN PROFILES	SDP-04
BARRIER WALL 1 - PLAN & PROFILE	RW-01
BARRIER WALL 1 - CROSS SECTIONS	XS-01

	PROFESSIONAL CERTIFICATION "I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND." MD LICENSE NUMBER: 53587 EXPIRATION DATE: 12-09-2024		REVISIONS				ANNE ARUNDEL COUNTY			
			DEPARTMENT OF PUBLIC WORKS				BROADNECK PENINSULA TRAIL PHASE IB & V			
			APPROVED	DATE	APPROVED	DATE	SCALE: AS NOTED	PROJECT NO. P504100 CONTRACT NO. P504105		
	11/20/2023		11/17/2023	DMT						
CHIEF ENGINEER		PROJECT MANAGER		CHECKED BY: DMT						
APPROVED	DATE	APPROVED	DATE	SHEET NO. 28 OF 116	PLAN SHEET					
	11/17/2023		11/17/2023	PROJECT NO. P504100						
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY		CONTRACT NO. P504105						

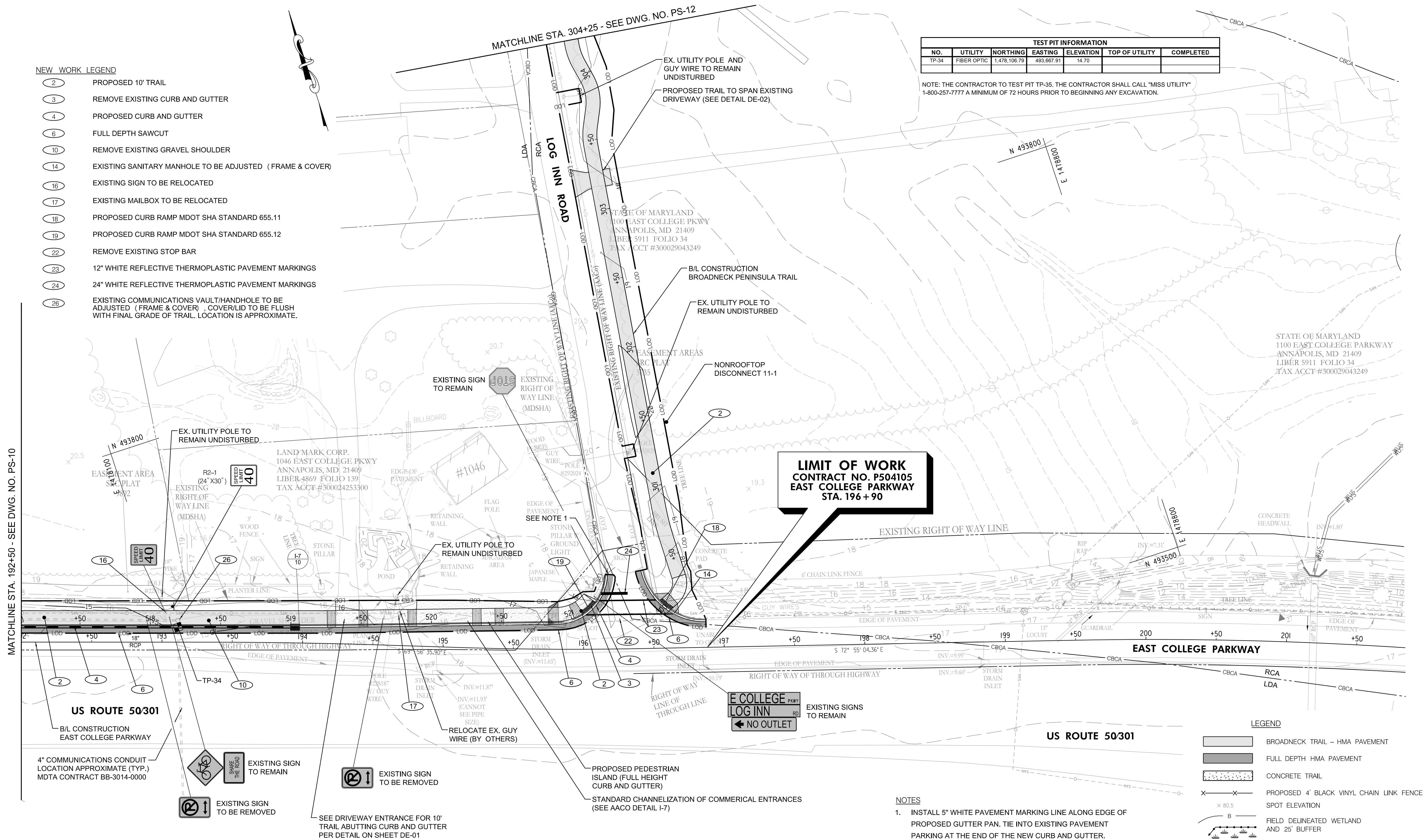
GP# G02018957

DWG. NO.: PS-10

- NEW WORK LEGEND**
- 2 PROPOSED 10' TRAIL
 - 3 REMOVE EXISTING CURB AND GUTTER
 - 4 PROPOSED CURB AND GUTTER
 - 6 FULL DEPTH SAWCUT
 - 10 REMOVE EXISTING GRAVEL SHOULDER
 - 14 EXISTING SANITARY MANHOLE TO BE ADJUSTED (FRAME & COVER)
 - 16 EXISTING SIGN TO BE RELOCATED
 - 17 EXISTING MAILBOX TO BE RELOCATED
 - 18 PROPOSED CURB RAMP MDOT SHA STANDARD 655.11
 - 19 PROPOSED CURB RAMP MDOT SHA STANDARD 655.12
 - 22 REMOVE EXISTING STOP BAR
 - 23 12" WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
 - 24 24" WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
 - 26 EXISTING COMMUNICATIONS VAULT/HANDHOLE TO BE ADJUSTED (FRAME & COVER), COVER/LID TO BE FLUSH WITH FINAL GRADE OF TRAIL. LOCATION IS APPROXIMATE.

TEST PIT INFORMATION						
NO.	UTILITY	NORTHING	EASTING	ELEVATION	TOP OF UTILITY	COMPLETED
TP-34	FIBER OPTIC	1,478,106.79	493,667.91	14.70		

NOTE: THE CONTRACTOR TO TEST PIT TP-35. THE CONTRACTOR SHALL CALL "MISS UTILITY" 1-800-257-7777 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION.



LIMIT OF WORK
 CONTRACT NO. P504105
 EAST COLLEGE PARKWAY
 STA. 196 + 90

- LEGEND**
- [Symbol] BROADNECK TRAIL - HMA PAVEMENT
 - [Symbol] FULL DEPTH HMA PAVEMENT
 - [Symbol] CONCRETE TRAIL
 - [Symbol] PROPOSED 4' BLACK VINYL CHAIN LINK FENCE
 - [Symbol] SPOT ELEVATION
 - [Symbol] FIELD DELINEATED WETLAND AND 25' BUFFER

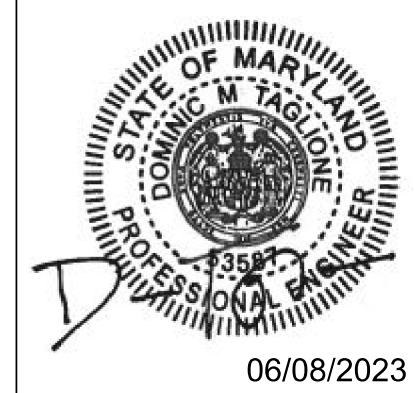
- NOTES**
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MATCHLINE STA. 192+50 - SEE DWG. NO. PS-10

SHEET REFERENCES	
TRAIL 4 PROFILE	PR-12
SPSP TRAIL 01 PROFILE	PR-13
INTERSECTION DETAILS	ID-04
STORM DRAIN PROFILES	SDP-04



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NO.	DESCRIPTION	BY	DATE

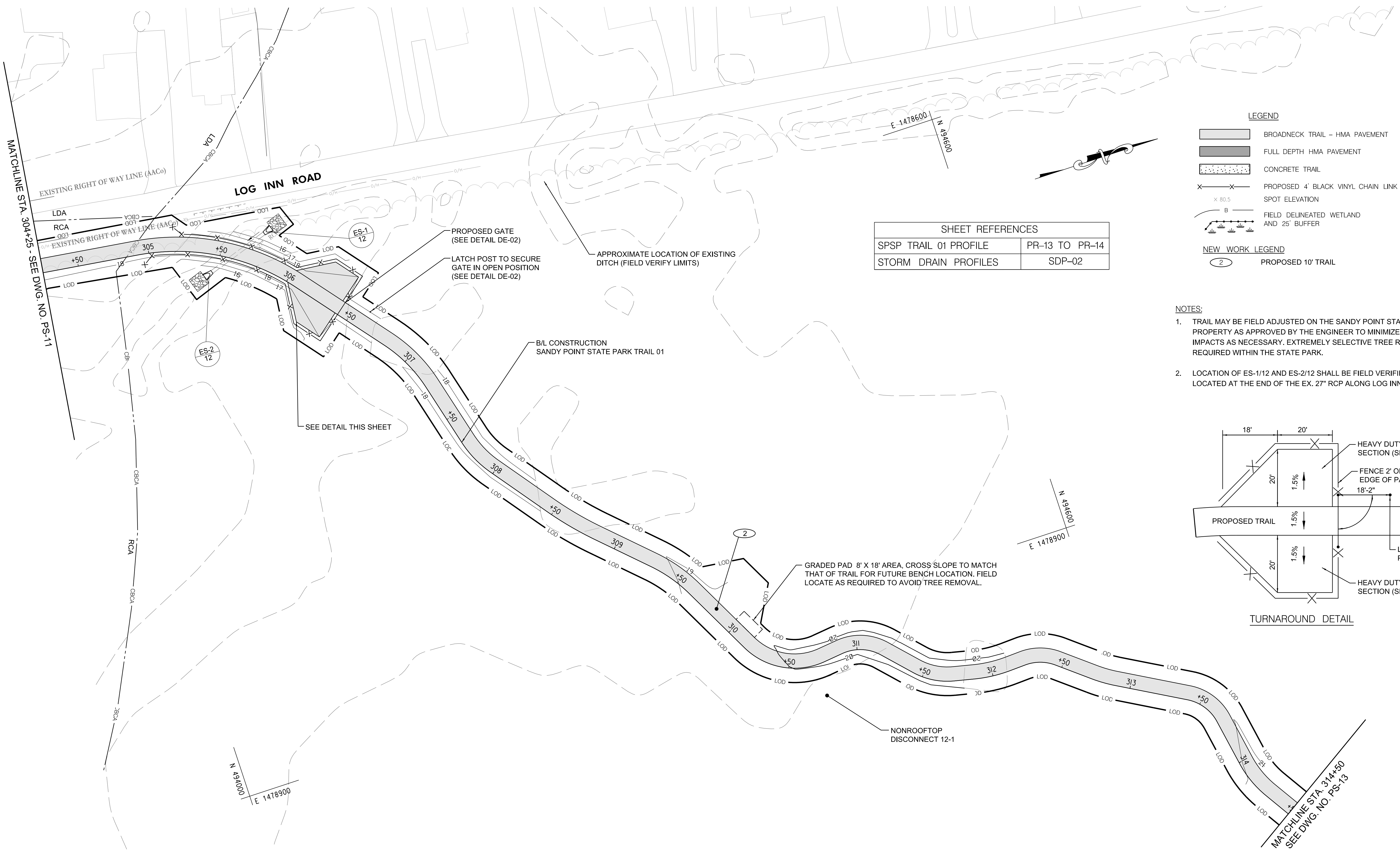
ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

GP# G02018957 DWG. NO.: PS-11



SCALE: AS NOTED
 DRAWN BY: DMT
 CHECKED BY: DMT
 SHEET NO. 29 OF 116
 PROJECT NO. P504100
 CONTRACT NO. P504105

PLAN SHEET



LEGEND

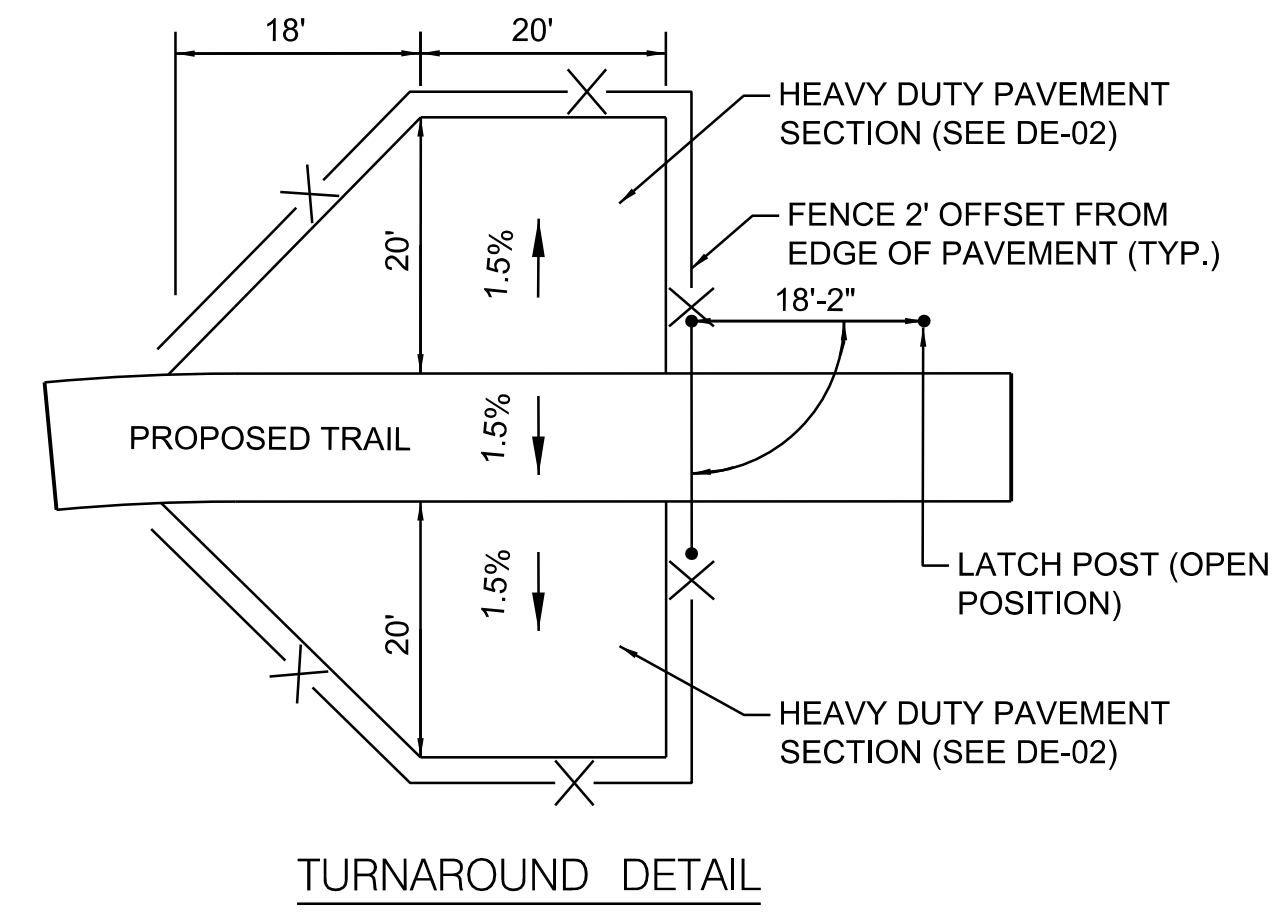
- BROADNECK TRAIL - HMA PAVEMENT
- FULL DEPTH HMA PAVEMENT
- CONCRETE TRAIL
- X X PROPOSED 4' BLACK VINYL CHAIN LINK FENCE
- x 80.5 SPOT ELEVATION
- B FIELD DELINEATED WETLAND AND 25' BUFFER

NEW WORK LEGEND

- PROPOSED 10' TRAIL

SHEET REFERENCES	
SPSP TRAIL 01 PROFILE	PR-13 TO PR-14
STORM DRAIN PROFILES	SDP-02

- NOTES:**
- TRAIL MAY BE FIELD ADJUSTED ON THE SANDY POINT STATE PARK PROPERTY AS APPROVED BY THE ENGINEER TO MINIMIZE TREE IMPACTS AS NECESSARY. EXTREMELY SELECTIVE TREE REMOVAL IS REQUIRED WITHIN THE STATE PARK.
 - LOCATION OF ES-1/12 AND ES-2/12 SHALL BE FIELD VERIFIED TO BE LOCATED AT THE END OF THE EX. 27" RCP ALONG LOG INN ROAD.





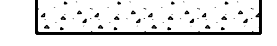

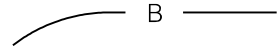
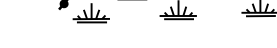
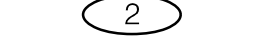
GP# G02018957 DWG. NO.: PS-12

	AECOM 4 NORTH PARK DRIVE SUITE 300 HUNT VALLEY, MARYLAND 21030 PHONE: 410-785-7220 FAX: 410-785-6818	PROFESSIONAL CERTIFICATION * I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. MD LICENSE NUMBER: 53587 EXPIRATION DATE: 12-09-2024		REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">NO.</th> <th style="width: 65%;">DESCRIPTION</th> <th style="width: 10%;">BY</th> <th style="width: 20%;">DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DESCRIPTION	BY	DATE													ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS
	NO.	DESCRIPTION	BY	DATE																	
APPROVED DATE 11/20/2023 08:59 EST		APPROVED DATE 11/17/2023 08:00 EST		SCALE: AS NOTED DRAWN BY: DMT																	
CHIEF ENGINEER		PROJECT MANAGER		CHECKED BY: DMT																	
APPROVED DATE 11/17/2023 11:56 EST		APPROVED DATE 11/17/2023 18:30 EST		SHEET NO. 30 OF 116 PROJECT NO. P504100																	
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY		CONTRACT NO. P504105																	

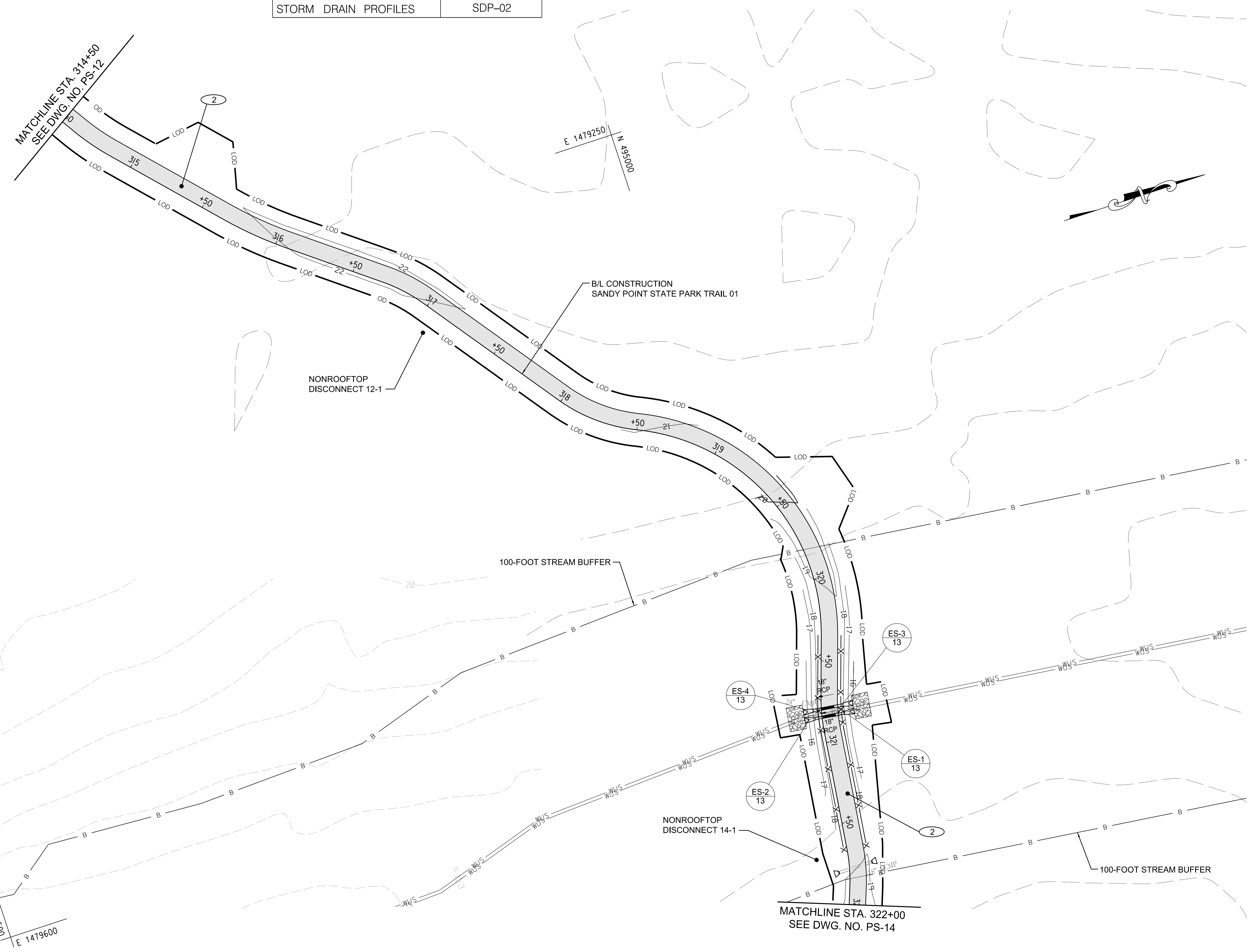
PLAN SHEET

BROADNECK PENINSULA TRAIL PHASE IB & V

SHEET REFERENCES	
SPSP TRAIL 01 PROFILE	PR-14 TO PR-15
STORM DRAIN PROFILES	SDP-02

- LEGEND**
-  BROADNECK TRAIL - HMA PAVEMENT
 -  FULL DEPTH HMA PAVEMENT
 -  CONCRETE TRAIL
 -  PROPOSED 4' BLACK VINYL CHAIN LINK FENCE
 -  SPOT ELEVATION
 -  FIELD DELINEATED WETLAND AND 25' BUFFER
- NEW WORK LEGEND**
-  PROPOSED 10' TRAIL

- NOTES:**
- TRAIL MAY BE FIELD ADJUSTED ON THE SANDY POINT STATE PARK PROPERTY AS APPROVED BY THE ENGINEER TO MINIMIZE TREE IMPACTS AS NECESSARY. EXTREMELY SELECTIVE TREE REMOVAL IS REQUIRED WITHIN THE STATE PARK.
 - LOCATION OF ES-1/13 AND ES-2/13 SHALL BE FIELD VERIFIED TO BE LOCATED IN THE CENTER OF THE EXISTING STREAM WITHIN SANDY POINT STATE PARK.



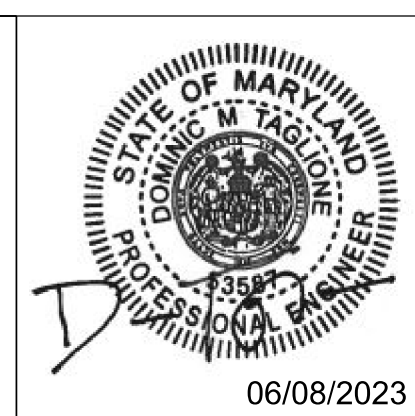
AECOM

AECOM
4 NORTH PARK DRIVE
SUITE 300
HUNT VALLEY, MARYLAND 21030
PHONE: 410-785-7220
FAX: 410-785-6818

PROFESSIONAL CERTIFICATION

"I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."

MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-09-2024



REVISIONS			
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ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
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CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

GP# G02018957 DWG. NO.: PS-13

SCALE: AS NOTED

BROADNECK PENINSULA TRAIL PHASE IB & V

CHECKED BY: DMT

SHEET NO. 31 OF 116

PROJECT NO. P504100

CONTRACT NO. P504105

PLAN SHEET

SHEET REFERENCES	
SPSP TRAIL 01 PROFILE	PR-15 TO PR-16
LOOP TRAIL PROFILE	PR-19
STORM DRAIN PROFILES	SDP-03

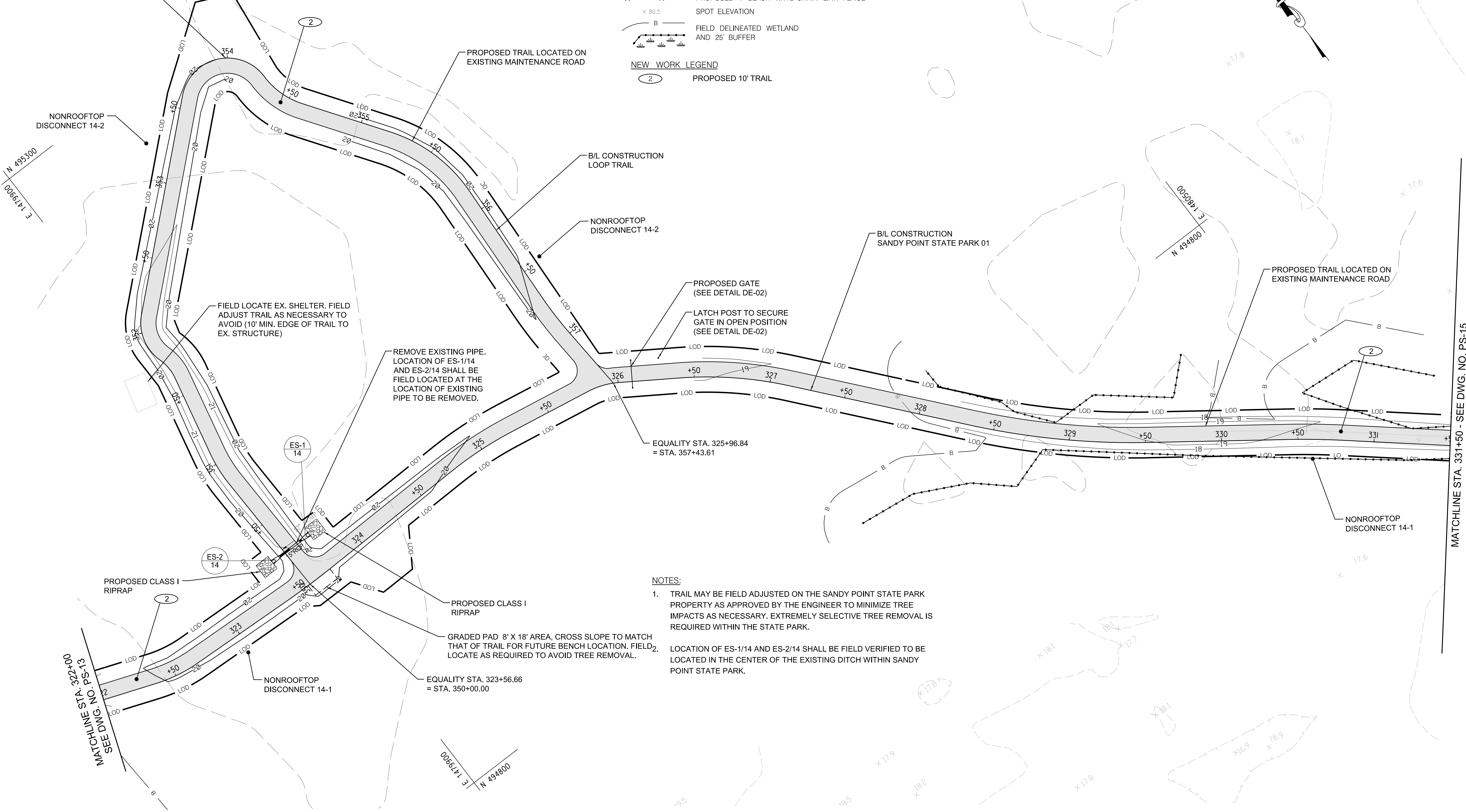
LEGEND

- BROADNECK TRAIL - HMA PAVEMENT
- FULL DEPTH HMA PAVEMENT
- CONCRETE TRAIL
- PROPOSED 4' BLACK VINYL CHAIN LINK FENCE
- SPOT ELEVATION
- FIELD DELINEATED WETLAND AND 25' BUFFER

NEW WORK LEGEND

- PROPOSED 10' TRAIL

PROPOSED TRAIL TO BE LOCATED ON EXISTING MAINTENANCE ROAD BEGINNING AT APPROX. STA 354+00



FIELD LOCATE EX. SHELTER. FIELD ADJUST TRAIL AS NECESSARY TO AVOID (10' MIN. EDGE OF TRAIL TO EX. STRUCTURE)

REMOVE EXISTING PIPE. LOCATION OF ES-1/14 AND ES-2/14 SHALL BE FIELD LOCATED AT THE LOCATION OF EXISTING PIPE TO BE REMOVED.

- NOTES:**
- TRAIL MAY BE FIELD ADJUSTED ON THE SANDY POINT STATE PARK PROPERTY AS APPROVED BY THE ENGINEER TO MINIMIZE TREE IMPACTS AS NECESSARY. EXTREMELY SELECTIVE TREE REMOVAL IS REQUIRED WITHIN THE STATE PARK.
 - LOCATION OF ES-1/14 AND ES-2/14 SHALL BE FIELD VERIFIED TO BE LOCATED IN THE CENTER OF THE EXISTING DITCH WITHIN SANDY POINT STATE PARK.

MATCHLINE STA. 331+50 - SEE DWG. NO. PS-15



GP# G02018957 DWG. NO.: PS-14



PROFESSIONAL CERTIFICATION
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 MD LICENSE NUMBER: 53587
 EXPIRATION DATE: 12-09-2024



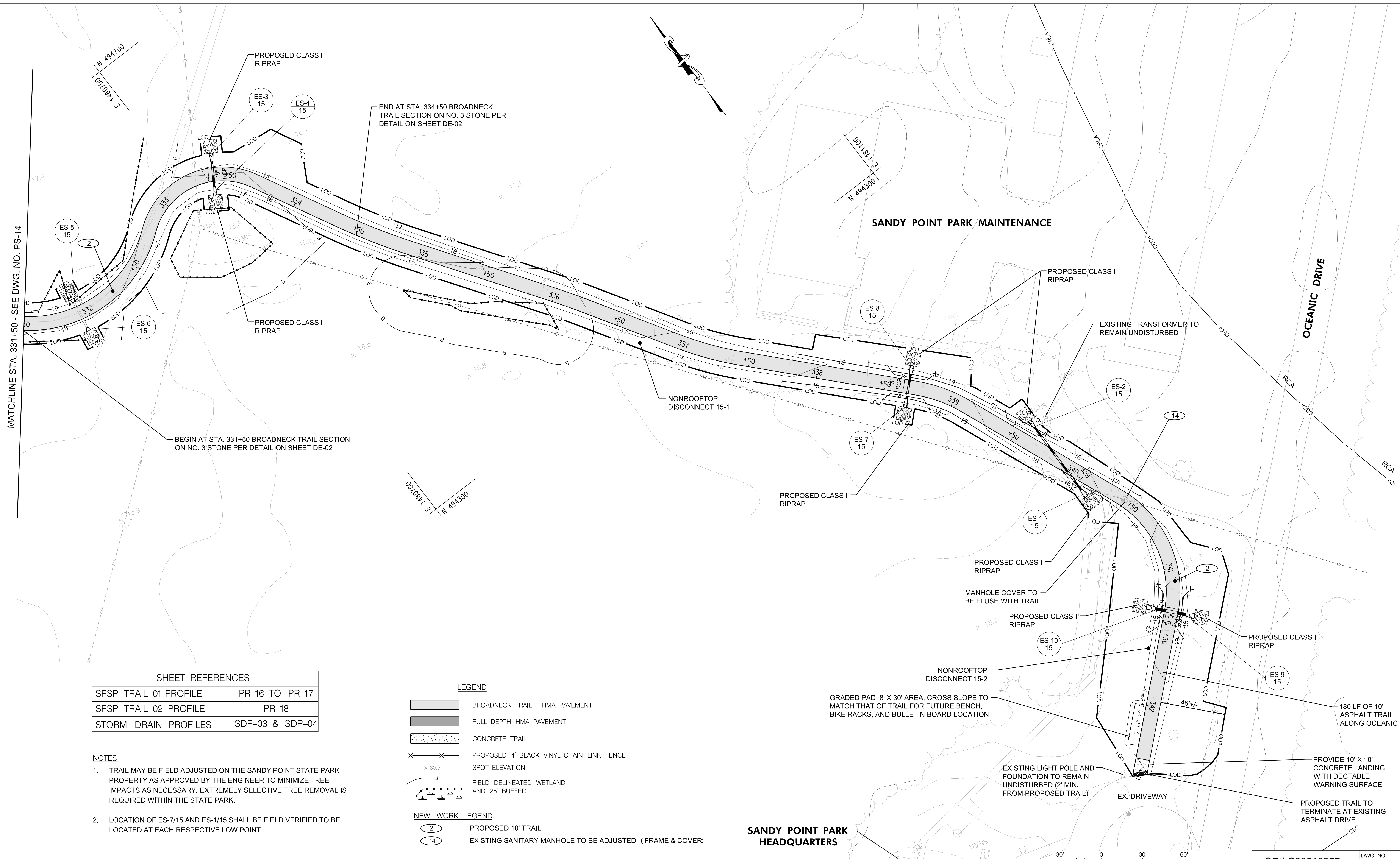
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ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS			
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	11/17/2023 11:56 EST		11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

SCALE: AS NOTED
 DRAWN BY: DMT
 CHECKED BY: DMT
 SHEET NO. 32 OF 116
 PROJECT NO. P504100
 CONTRACT NO. P504105

BROADNECK PENINSULA TRAIL PHASE IB & V

PLAN SHEET



SHEET REFERENCES	
SPSP TRAIL 01 PROFILE	PR-16 TO PR-17
SPSP TRAIL 02 PROFILE	PR-18
STORM DRAIN PROFILES	SDP-03 & SDP-04

- NOTES:**
- TRAIL MAY BE FIELD ADJUSTED ON THE SANDY POINT STATE PARK PROPERTY AS APPROVED BY THE ENGINEER TO MINIMIZE TREE IMPACTS AS NECESSARY. EXTREMELY SELECTIVE TREE REMOVAL IS REQUIRED WITHIN THE STATE PARK.
 - LOCATION OF ES-7/15 AND ES-1/15 SHALL BE FIELD VERIFIED TO BE LOCATED AT EACH RESPECTIVE LOW POINT.

LEGEND

- BROADNECK TRAIL - HMA PAVEMENT
- FULL DEPTH HMA PAVEMENT
- CONCRETE TRAIL
- PROPOSED 4' BLACK VINYL CHAIN LINK FENCE
- SPOT ELEVATION
- FIELD DELINEATED WETLAND AND 25' BUFFER

NEW WORK LEGEND

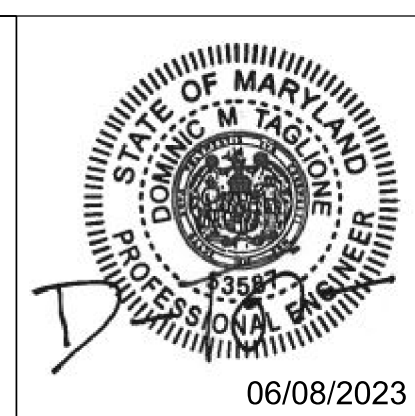
- PROPOSED 10' TRAIL
- EXISTING SANITARY MANHOLE TO BE ADJUSTED (FRAME & COVER)



AECOM

4 NORTH PARK DRIVE
SUITE 300
HUNT VALLEY, MARYLAND 21030
PHONE: 410-785-7220
FAX: 410-785-6818

PROFESSIONAL CERTIFICATION
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 MD LICENSE NUMBER: 53587
 EXPIRATION DATE: 12-09-2024



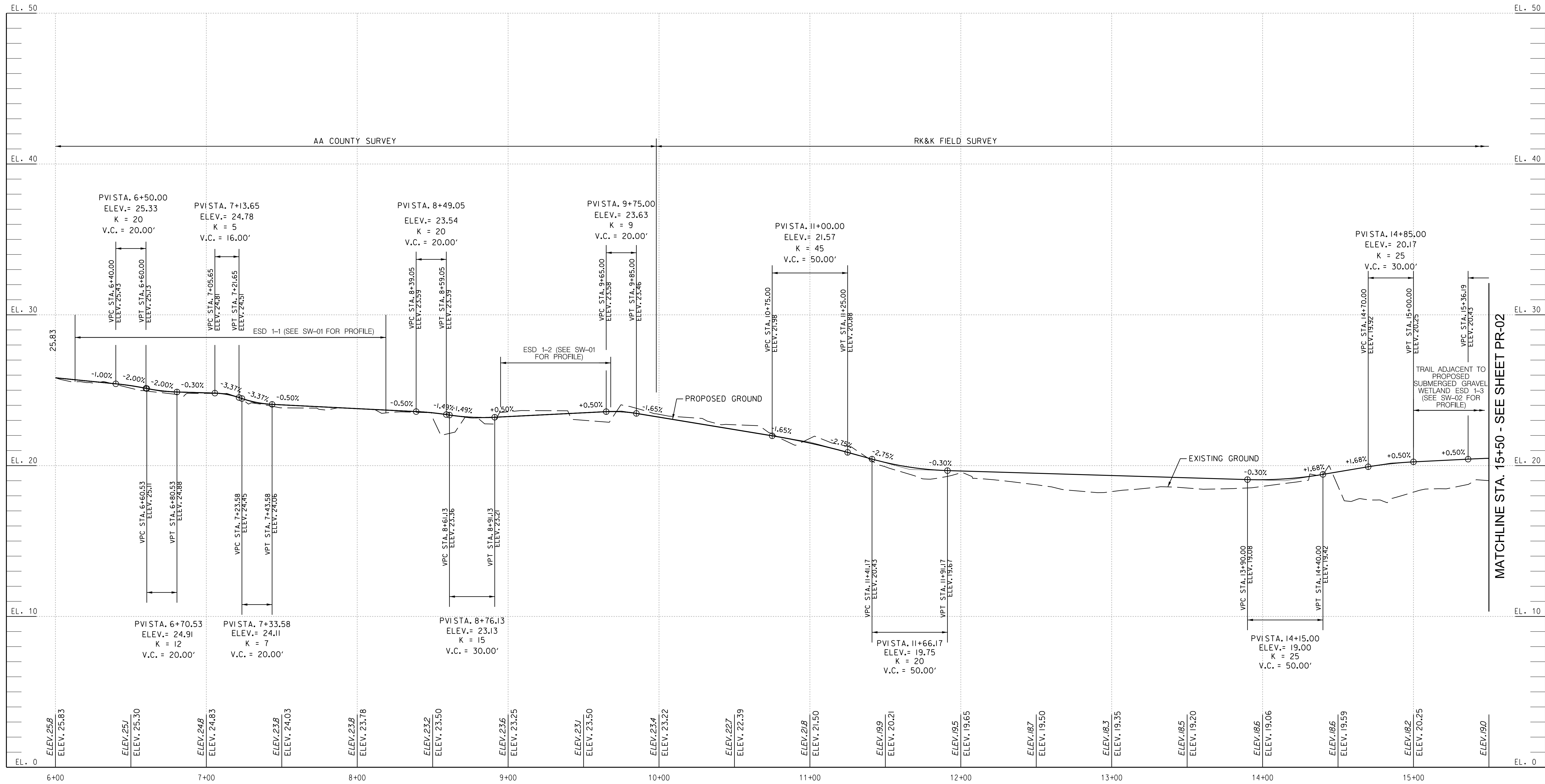
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ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 33 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	

GP# G02018957 DWG. NO.: PS-15

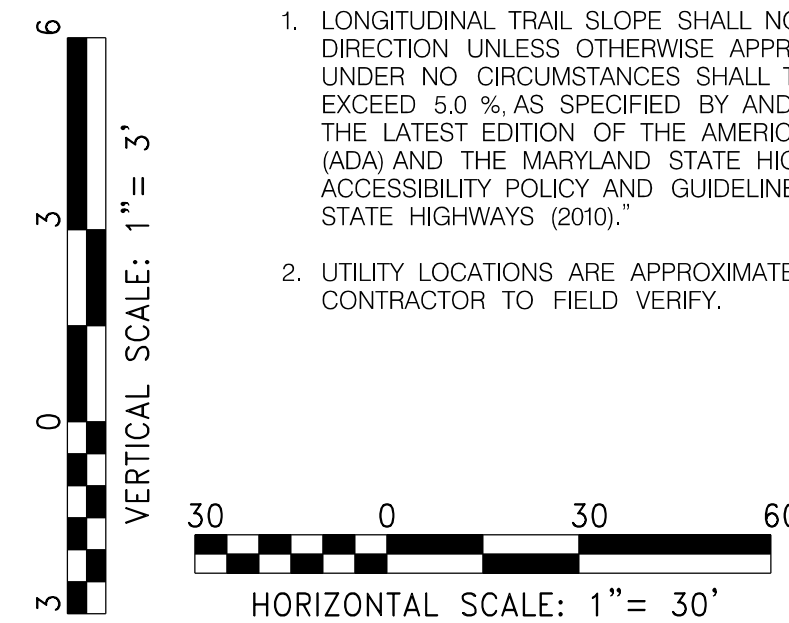
BROADNECK PENINSULA TRAIL PHASE IB & V

PLAN SHEET



TRAIL 1

- NOTES:**
- LONGITUDINAL TRAIL SLOPE SHALL NOT EXCEED 4.50 % IN EITHER DIRECTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE LONGITUDINAL SLOPE EXCEED 5.0 % AS SPECIFIED BY AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MDSHA) ACCESSIBILITY POLICY AND GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS (2010).
 - UTILITY LOCATIONS ARE APPROXIMATE AND ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY.



AECOM
4 NORTH PARK DRIVE
SUITE 300
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PHONE: 410-785-7220
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PROFESSIONAL CERTIFICATION

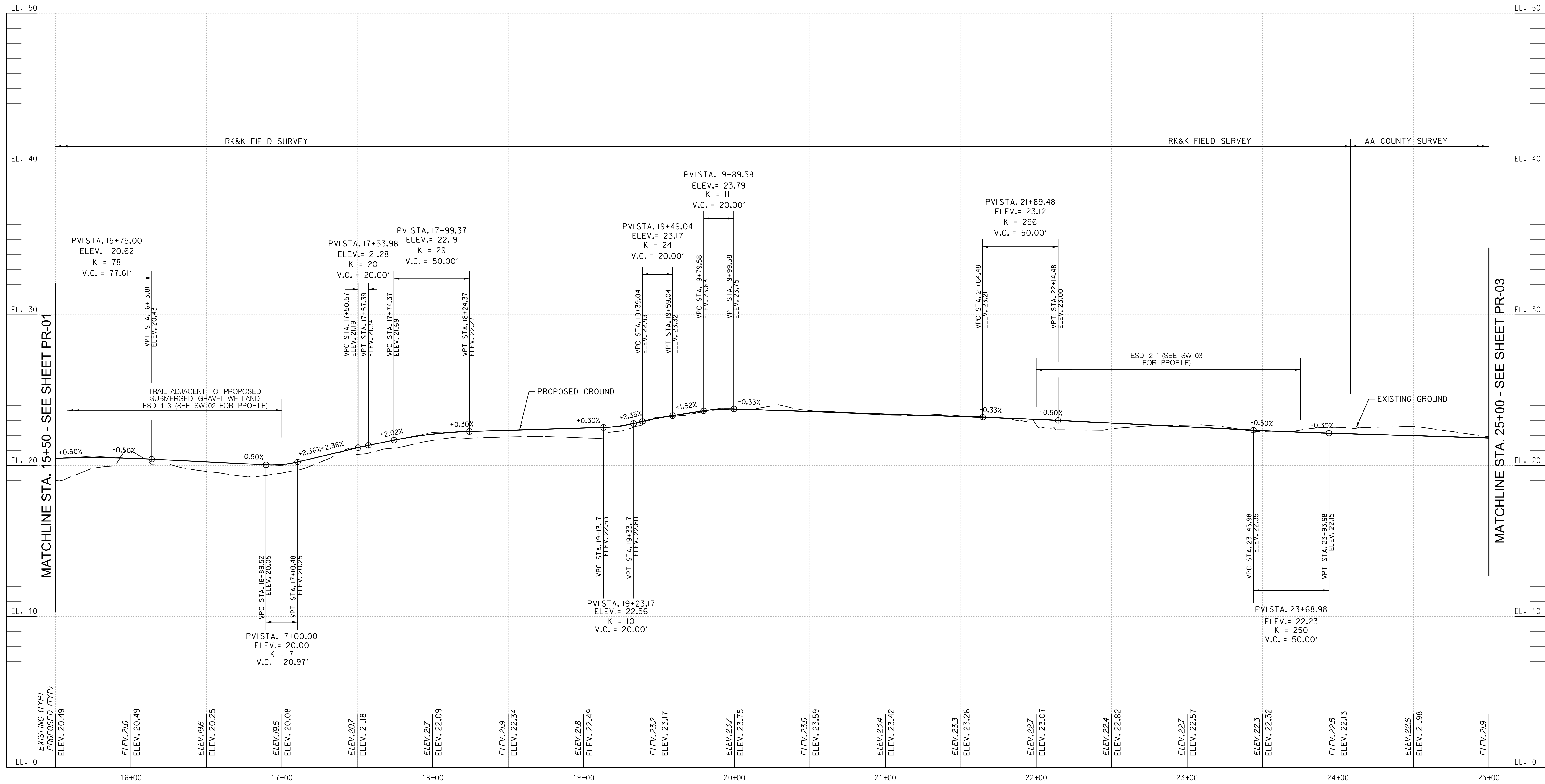
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MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-09-2024



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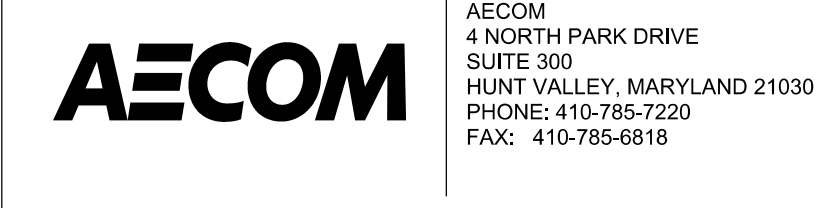
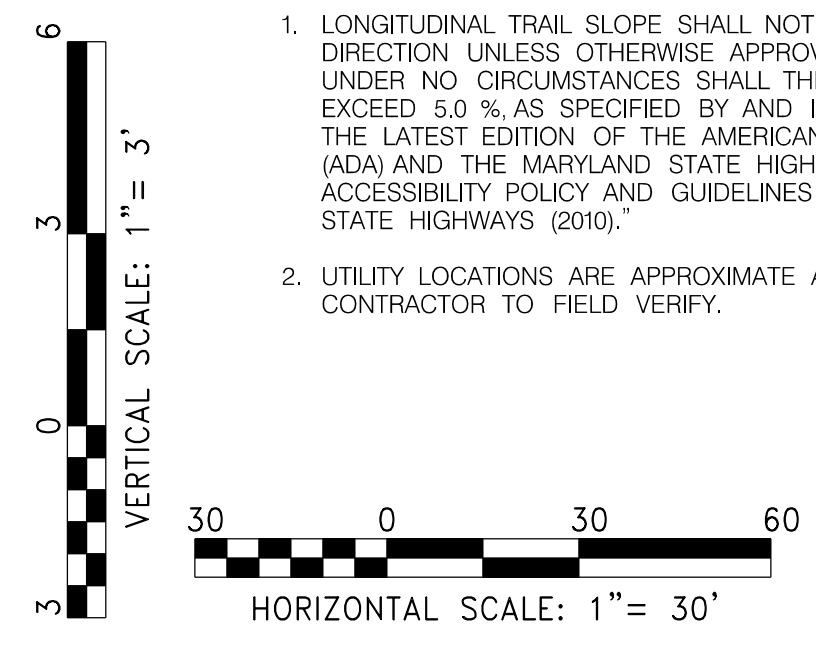
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ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 34 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	
BROADNECK PENINSULA TRAIL PHASE IB & V			
TRAIL PROFILE			

GP# G02018957 | DWG. NO.: PR-01



TRAIL 1

NOTES:
 1. LONGITUDINAL TRAIL SLOPE SHALL NOT EXCEED 4.50 % IN EITHER DIRECTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE LONGITUDINAL SLOPE EXCEED 5.0 % AS SPECIFIED BY AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MDSHA) ACCESSIBILITY POLICY AND GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS (2010).
 2. UTILITY LOCATIONS ARE APPROXIMATE AND ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY.



PROFESSIONAL CERTIFICATION
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 MD LICENSE NUMBER: 53587
 EXPIRATION DATE: 12-09-2024



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CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
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ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

GP# G02018957 DWG. NO.: PR-02

SCALE: AS NOTED

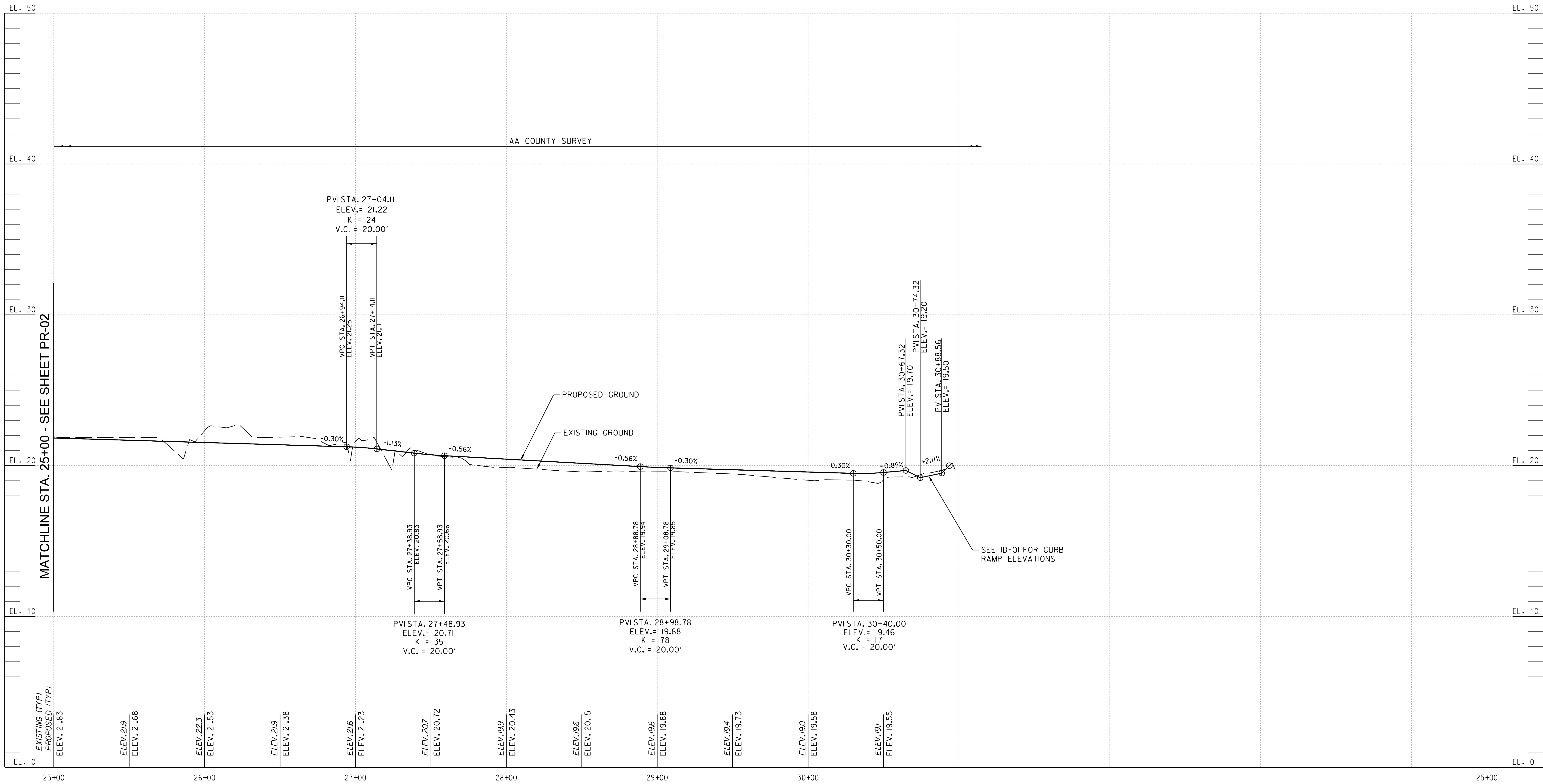
BROADNECK PENINSULA TRAIL PHASE IB & V

TRAIL PROFILE

SHEET NO. 35 OF 116

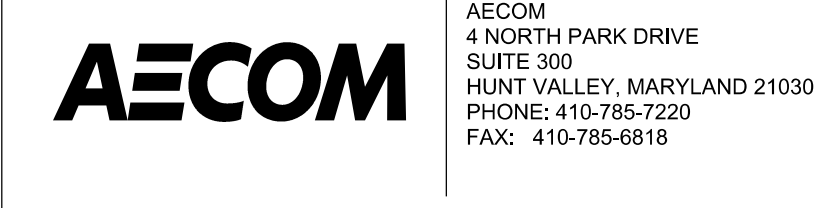
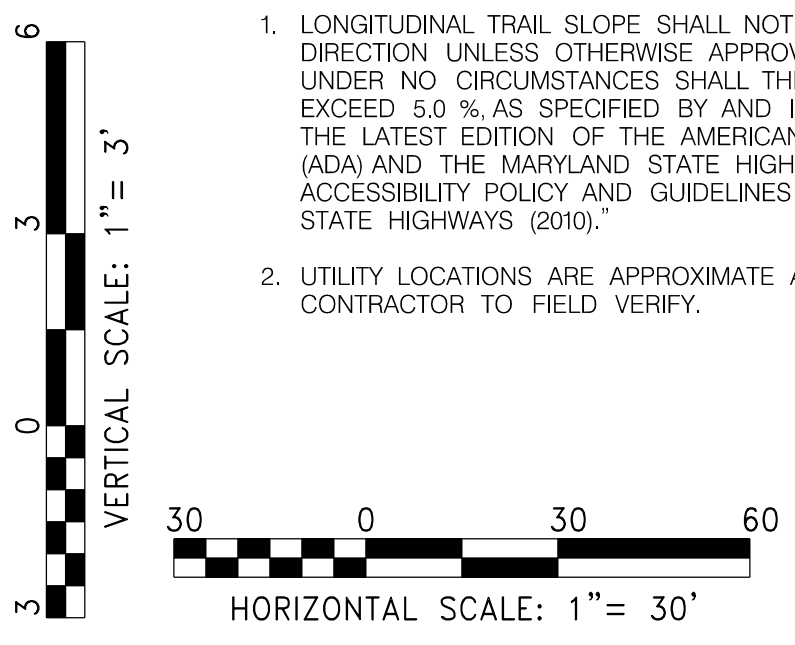
PROJECT NO. P504100

CONTRACT NO. P504105



TRAIL 1

- NOTES:
- LONGITUDINAL TRAIL SLOPE SHALL NOT EXCEED 4.50 % IN EITHER DIRECTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE LONGITUDINAL SLOPE EXCEED 5.0 % AS SPECIFIED BY AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MDSHA) ACCESSIBILITY POLICY AND GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS (2010).
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MD LICENSE NUMBER: 53587

EXPIRATION DATE: 12-09-2024



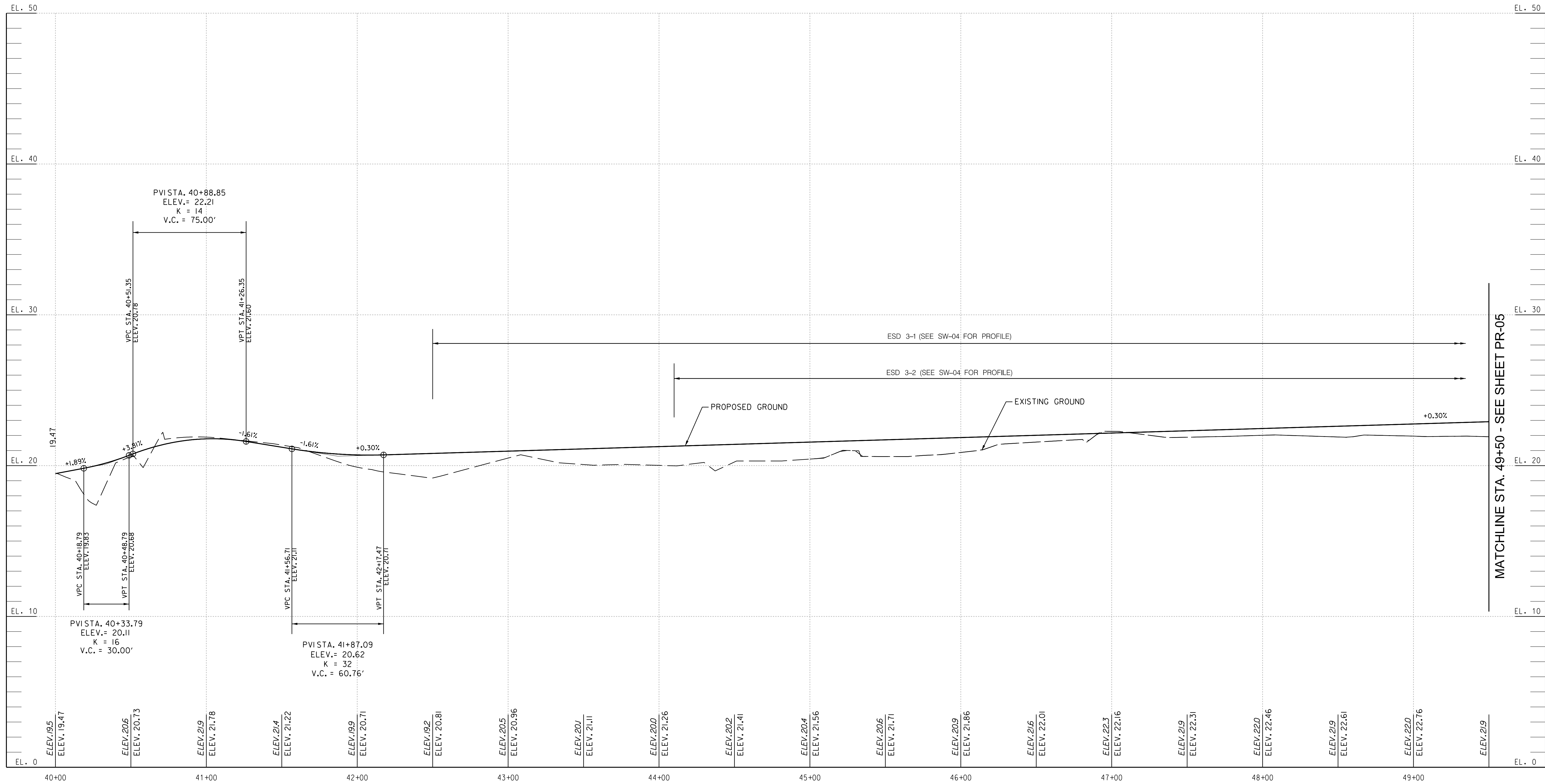
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ANNE ARUNDEL COUNTY			
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CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
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ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
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PROJECT NO. P504100		CONTRACT NO. P504105	

GP# G02018957 DWG. NO.: PR-03

BROADNECK PENINSULA TRAIL PHASE IB & V

TRAIL PROFILE



TRAIL 2

NOTES:

- LONGITUDINAL TRAIL SLOPE SHALL NOT EXCEED 4.50 % IN EITHER DIRECTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE LONGITUDINAL SLOPE EXCEED 5.0 % AS SPECIFIED BY AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MDSHA) ACCESSIBILITY POLICY AND GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS (2010).
- UTILITY LOCATIONS ARE APPROXIMATE AND ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY.

VERTICAL SCALE: 1" = 3'

HORIZONTAL SCALE: 1" = 30'

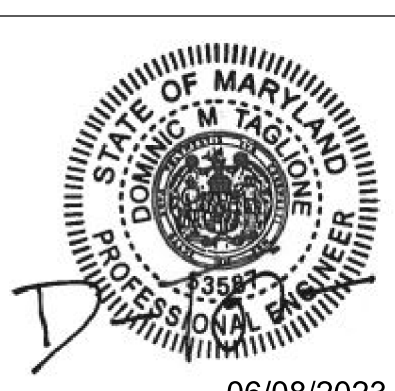
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 4 NORTH PARK DRIVE
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PROFESSIONAL CERTIFICATION

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MD LICENSE NUMBER: 53587
 EXPIRATION DATE: 12-09-2024



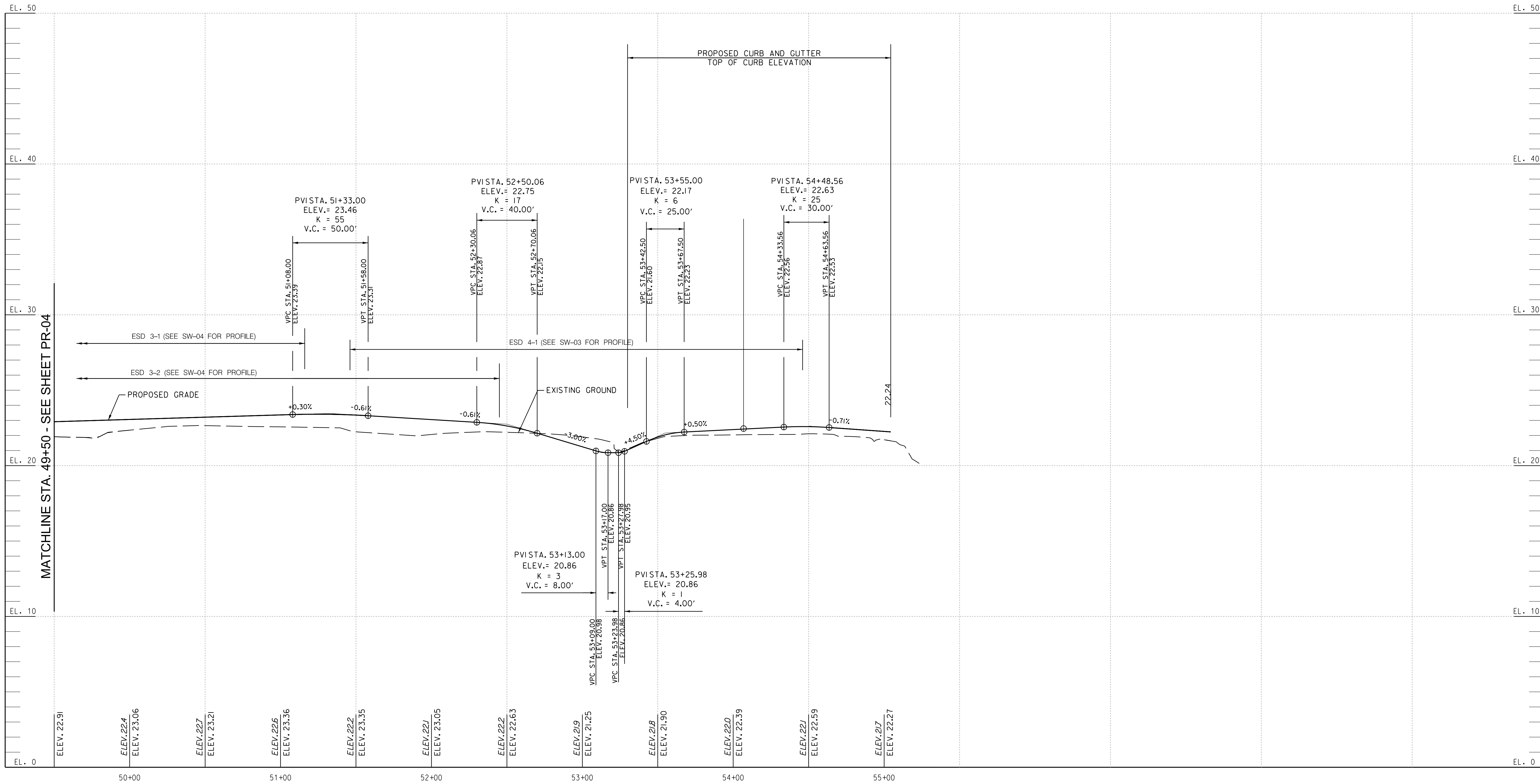
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ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
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CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
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PROJECT NO. P504100		CONTRACT NO. P504105	

BROADNECK PENINSULA TRAIL PHASE IB & V

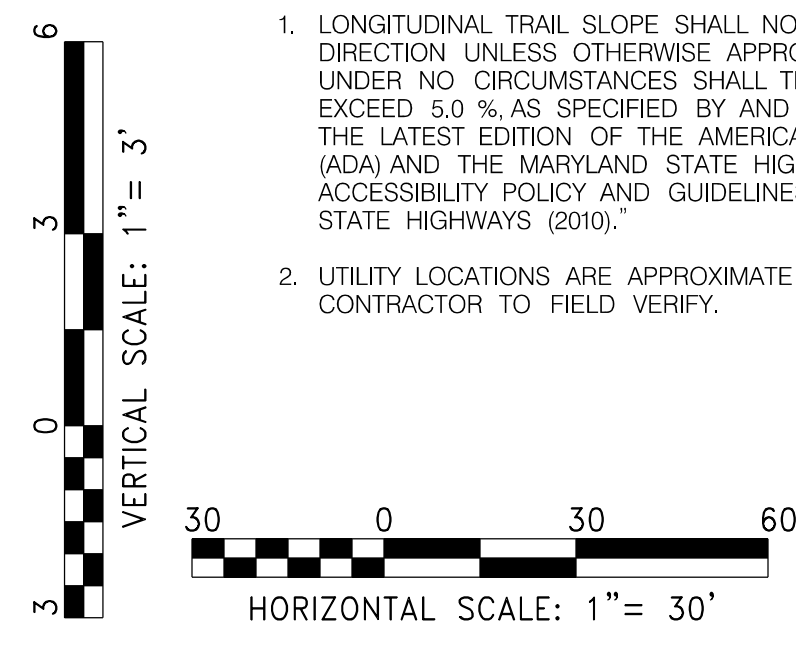
TRAIL PROFILE

GP# G02018957 DWG. NO.: PR-04



TRAIL 2

- NOTES:**
- LONGITUDINAL TRAIL SLOPE SHALL NOT EXCEED 4.50 % IN EITHER DIRECTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE LONGITUDINAL SLOPE EXCEED 5.0 %, AS SPECIFIED BY AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MDSHA) ACCESSIBILITY POLICY AND GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS (2010).
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AECOM

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4 NORTH PARK DRIVE
SUITE 300
HUNT VALLEY, MARYLAND 21030
PHONE: 410-785-7220
FAX: 410-785-6818

PROFESSIONAL CERTIFICATION

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MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-29-2024



REVISIONS			
NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS

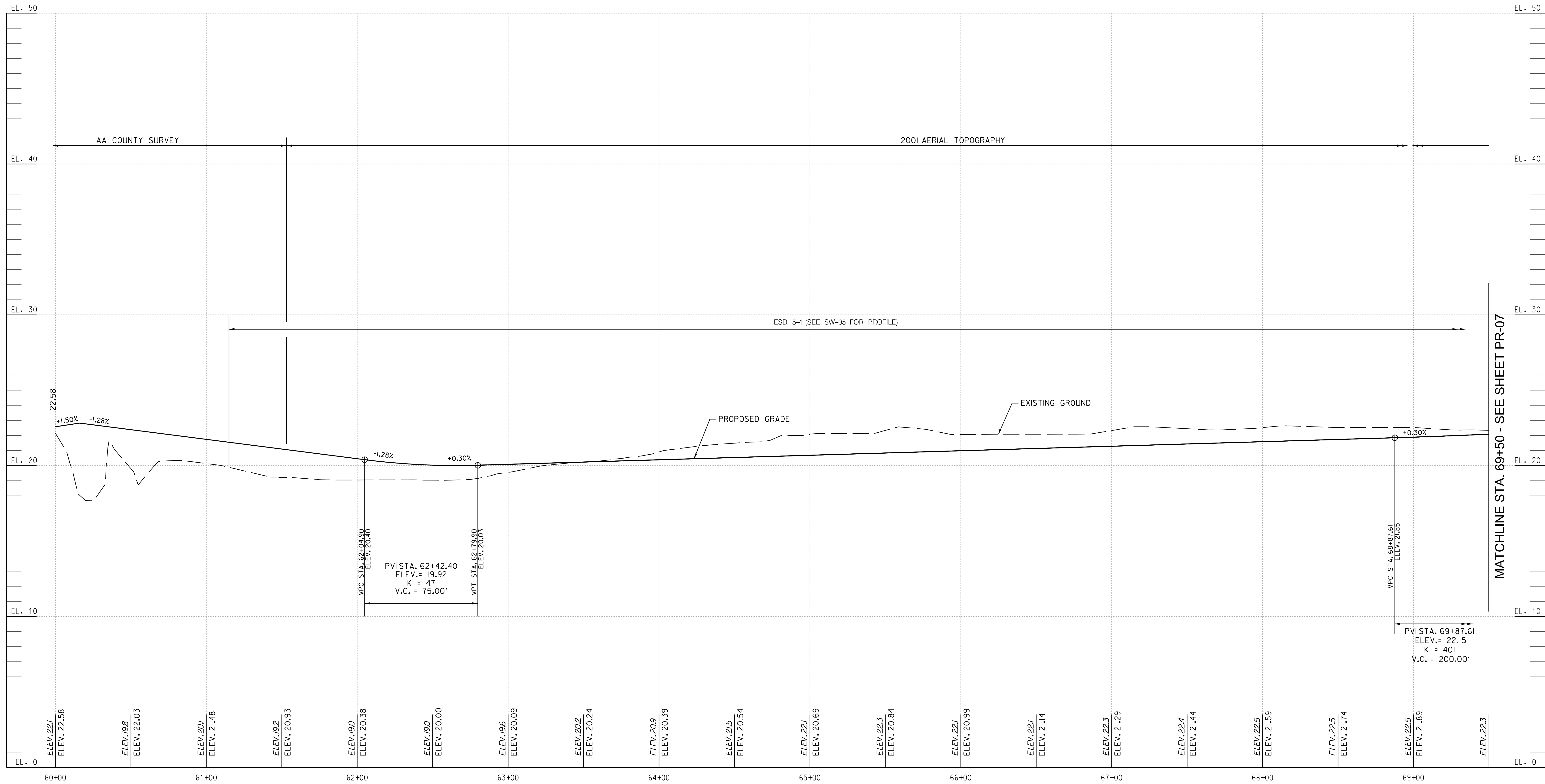
BROADNECK PENINSULA TRAIL PHASE IB & V

TRAIL PROFILE

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ASSISTANT CHIEF ENGINEER	EST	CHIEF, RIGHT OF WAY	EST

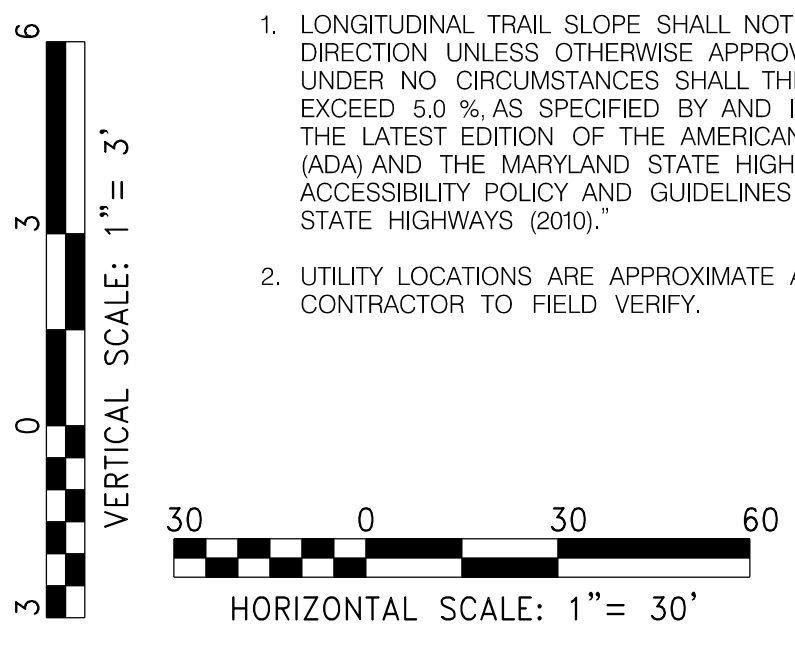
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CHECKED BY: DMT
SHEET NO. 38 OF 116
PROJECT NO. P504100
CONTRACT NO. P504105

GP# G02018957 DWG. NO.: PR-05



TRAIL 3

- NOTES:
- LONGITUDINAL TRAIL SLOPE SHALL NOT EXCEED 4.50 % IN EITHER DIRECTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE LONGITUDINAL SLOPE EXCEED 5.0 % AS SPECIFIED BY AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MDSHA) ACCESSIBILITY POLICY AND GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS (2010).
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PROFESSIONAL CERTIFICATION
 *I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 MD LICENSE NUMBER: 53587
 EXPIRATION DATE: 12-09-2024

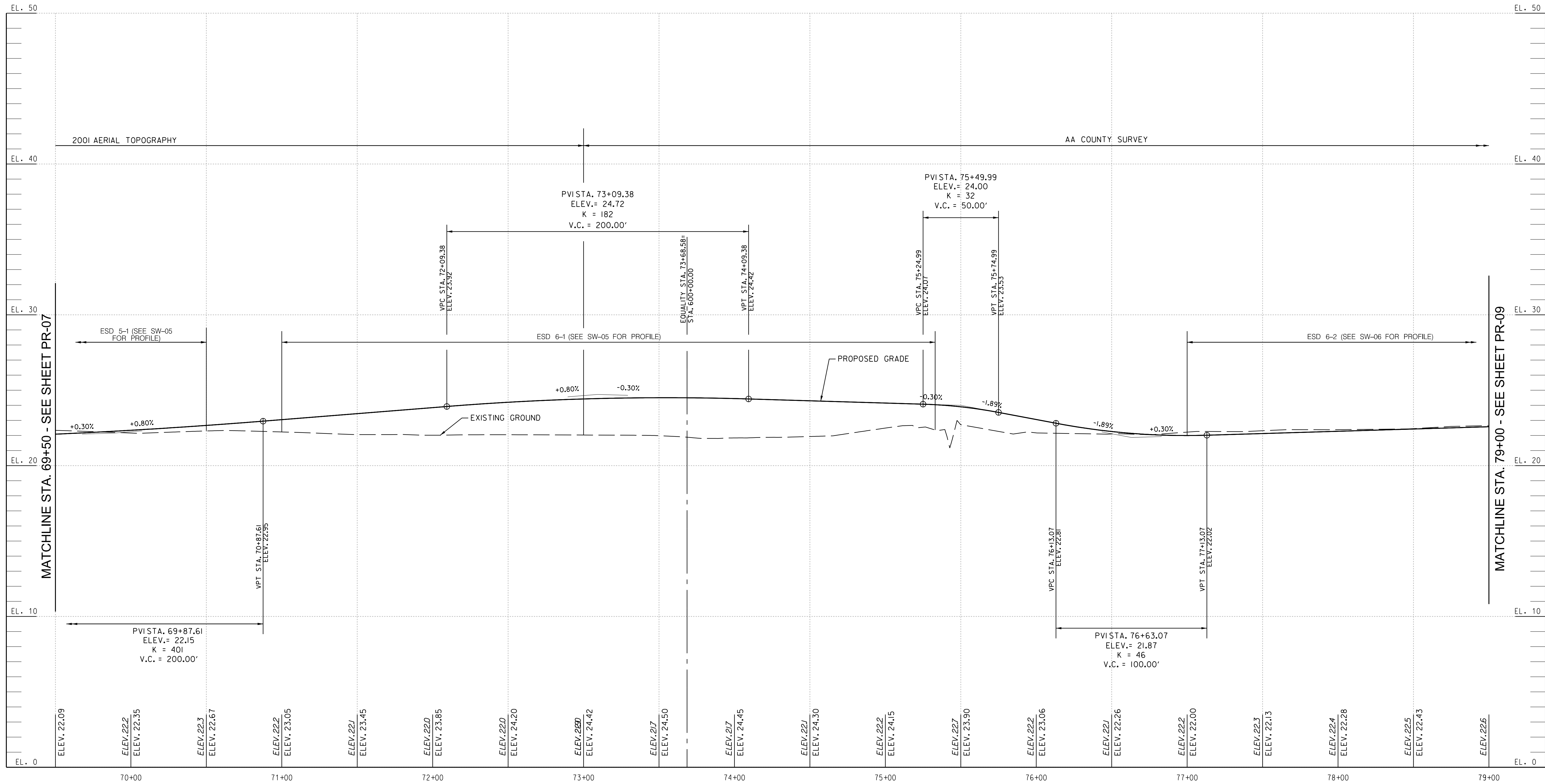


REVISIONS			
NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 39 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	

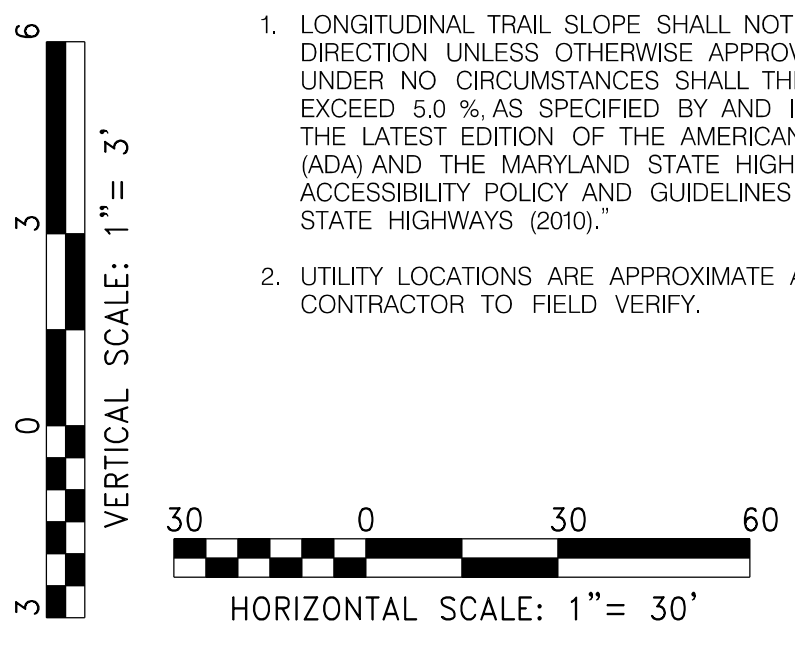
GP# G02018957 DWG. NO.: PR-06

BROADNECK PENINSULA TRAIL PHASE IB & V
TRAIL PROFILE



TRAIL 3

- NOTES:
- LONGITUDINAL TRAIL SLOPE SHALL NOT EXCEED 4.50 % IN EITHER DIRECTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE LONGITUDINAL SLOPE EXCEED 5.0 % AS SPECIFIED BY AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MDSHA) ACCESSIBILITY POLICY AND GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS (2010).
 - UTILITY LOCATIONS ARE APPROXIMATE AND ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY.



AECOM
 AECOM
 4 NORTH PARK DRIVE
 SUITE 300
 HUNT VALLEY, MARYLAND 21030
 PHONE: 410-785-7220
 FAX: 410-785-6818

PROFESSIONAL CERTIFICATION
 I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 MD LICENSE NUMBER: 53587
 EXPIRATION DATE: 12-09-2024



REVISIONS			
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ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
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CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

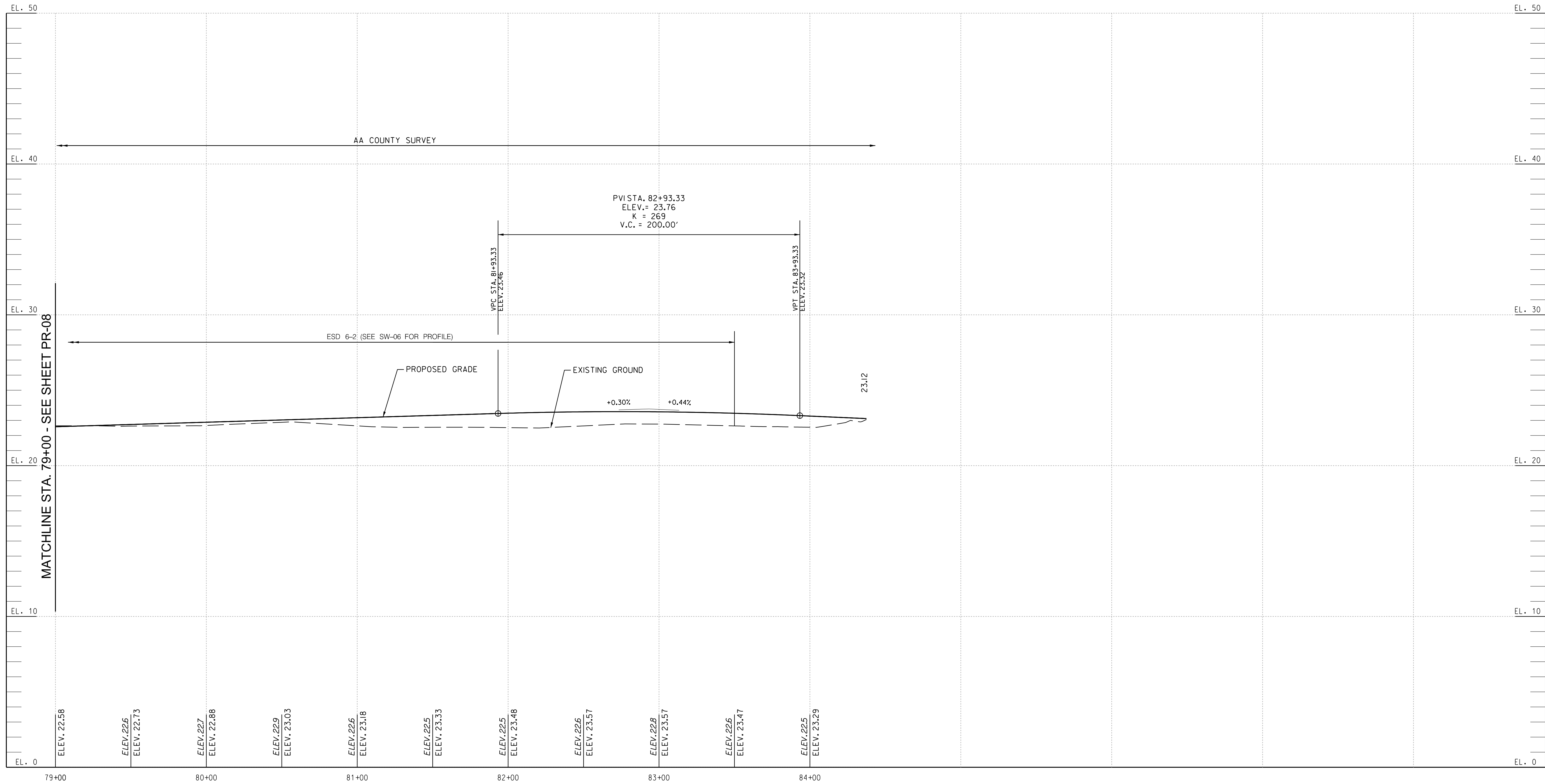
GP# G02018957 DWG. NO.: PR-07

SCALE: AS NOTED

BROADNECK PENINSULA TRAIL PHASE IB & V

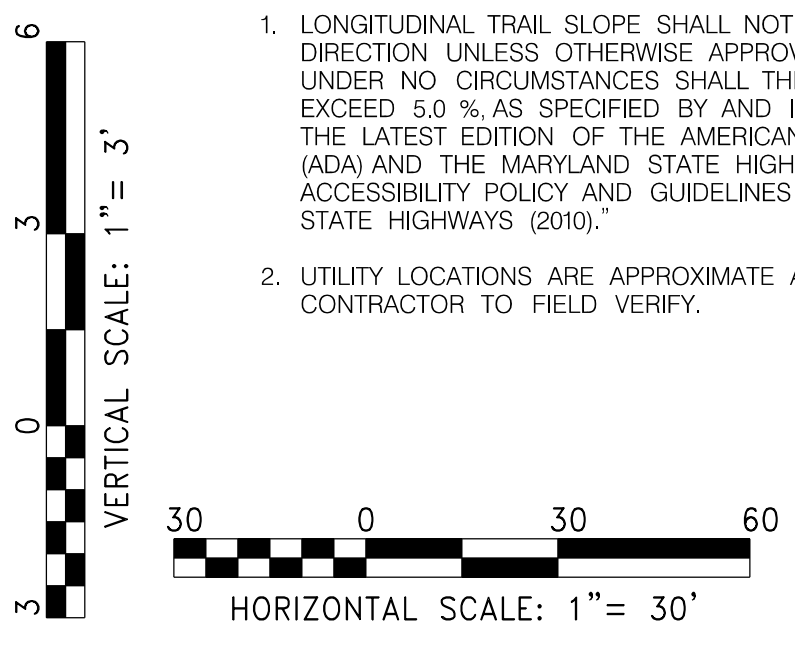
TRAIL PROFILE

CHECKED BY: DMT
 SHEET NO. 40 OF 116
 PROJECT NO. P504100
 CONTRACT NO. P504105



TRAIL 3

- NOTES:
- LONGITUDINAL TRAIL SLOPE SHALL NOT EXCEED 4.50 % IN EITHER DIRECTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE LONGITUDINAL SLOPE EXCEED 5.0 % AS SPECIFIED BY AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MDSHA) ACCESSIBILITY POLICY AND GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS (2010).
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 SUITE 300
 HUNT VALLEY, MARYLAND 21030
 PHONE: 410-785-7220
 FAX: 410-785-6818

PROFESSIONAL CERTIFICATION
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 MD LICENSE NUMBER: 53587
 EXPIRATION DATE: 12-09-2024

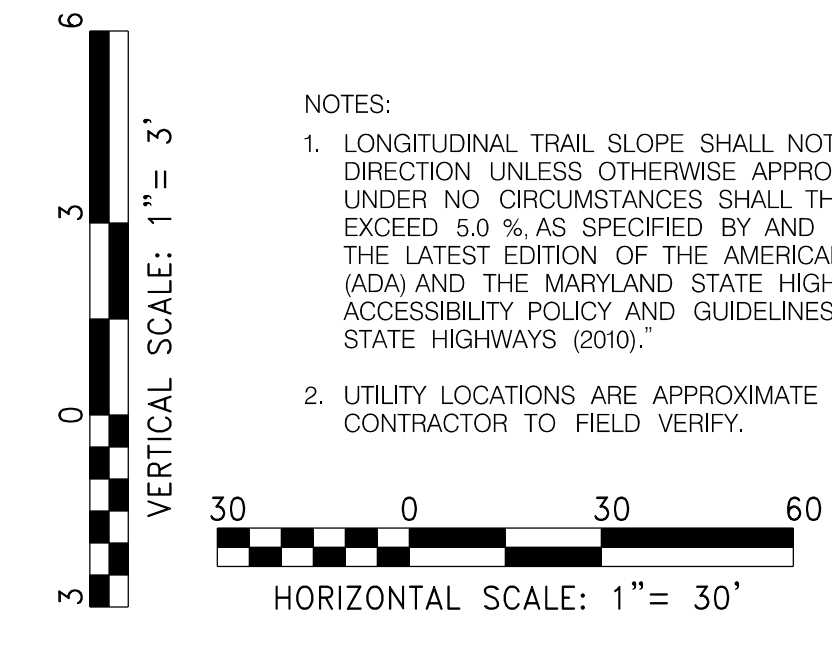


REVISIONS			
NO.	DESCRIPTION	BY	DATE

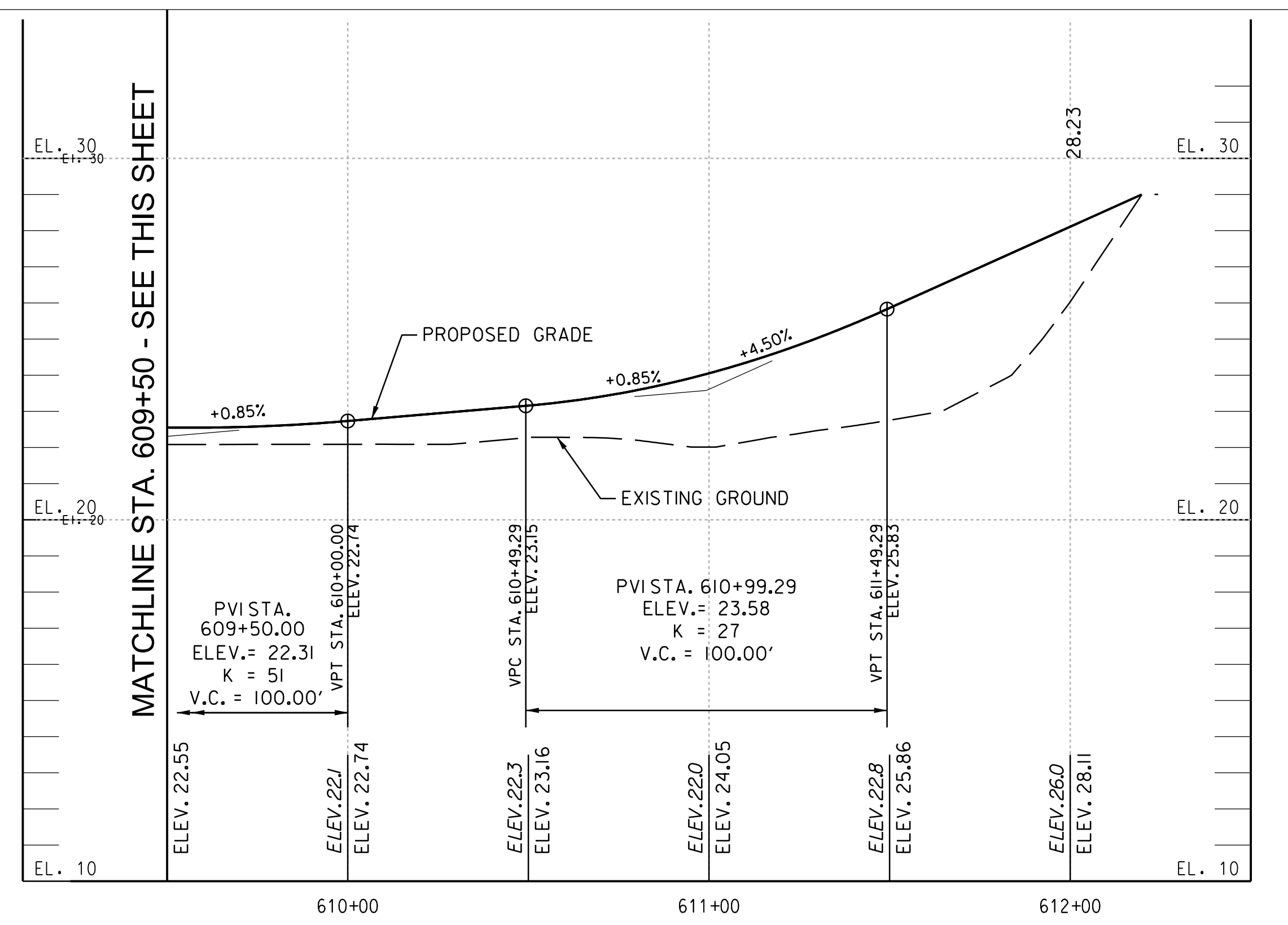
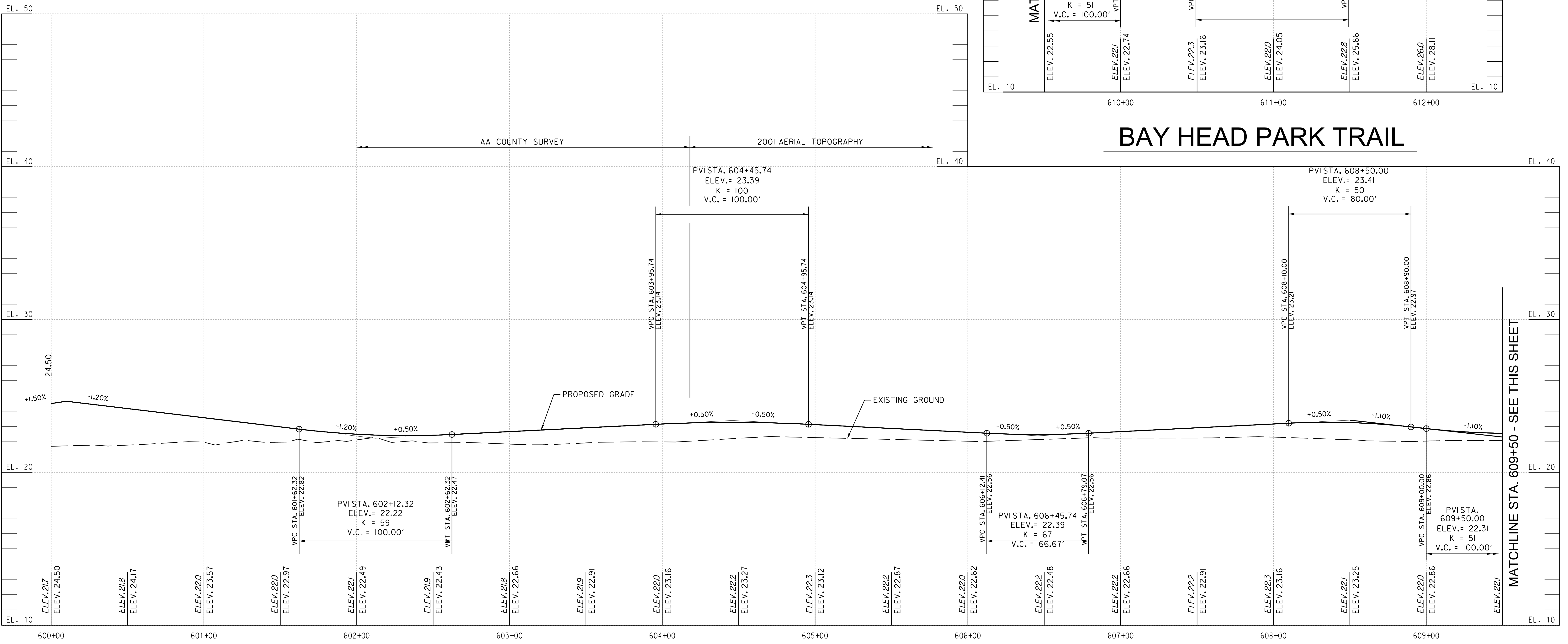
ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 41 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	

GP# G02018957 DWG. NO.: PR-08

BROADNECK PENINSULA TRAIL PHASE IB & V
TRAIL PROFILE



- NOTES:
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BAY HEAD PARK TRAIL

GP# G02018957 | DWG. NO.: PR-09

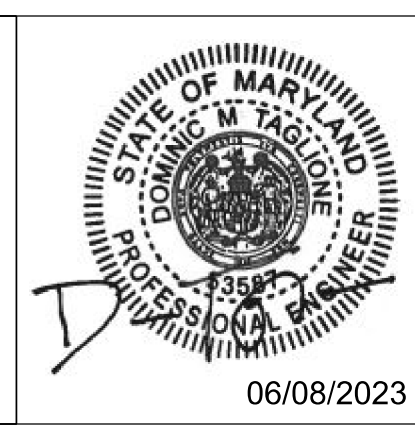
AECOM

AECOM
4 NORTH PARK DRIVE
SUITE 300
HUNT VALLEY, MARYLAND 21030
PHONE: 410-785-7220
FAX: 410-785-6818

PROFESSIONAL CERTIFICATION

"I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."

MD LICENSE NUMBER: S3587
EXPIRATION DATE: 12-09-2024



REVISIONS			
NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

SCALE: AS NOTED

DRAWN BY: DMT

CHECKED BY: DMT

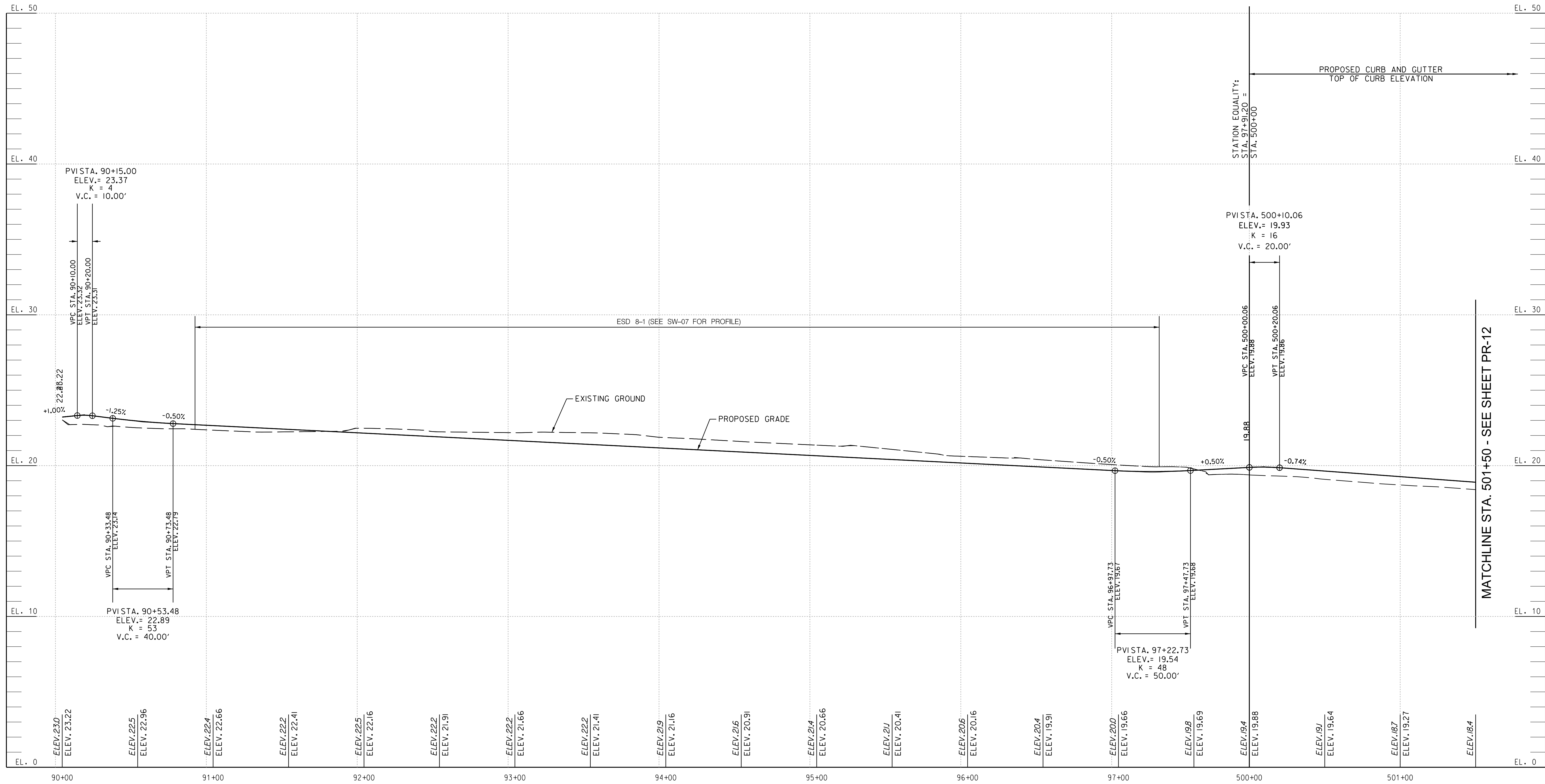
SHEET NO. 42 OF 116

PROJECT NO. P504100

CONTRACT NO. P504105

BROADNECK PENINSULA TRAIL
PHASE IB & V

TRAIL PROFILE



TRAIL 4

NOTES:

- LONGITUDINAL TRAIL SLOPE SHALL NOT EXCEED 4.50 % IN EITHER DIRECTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE LONGITUDINAL SLOPE EXCEED 5.0 % AS SPECIFIED BY AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MDSHA) ACCESSIBILITY POLICY AND GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS (2010).
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VERTICAL SCALE: 1" = 3'
 HORIZONTAL SCALE: 1" = 30'

AECOM
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 SUITE 300
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PROFESSIONAL CERTIFICATION
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 MD LICENSE NUMBER: 53587
 EXPIRATION DATE: 12-09-2024

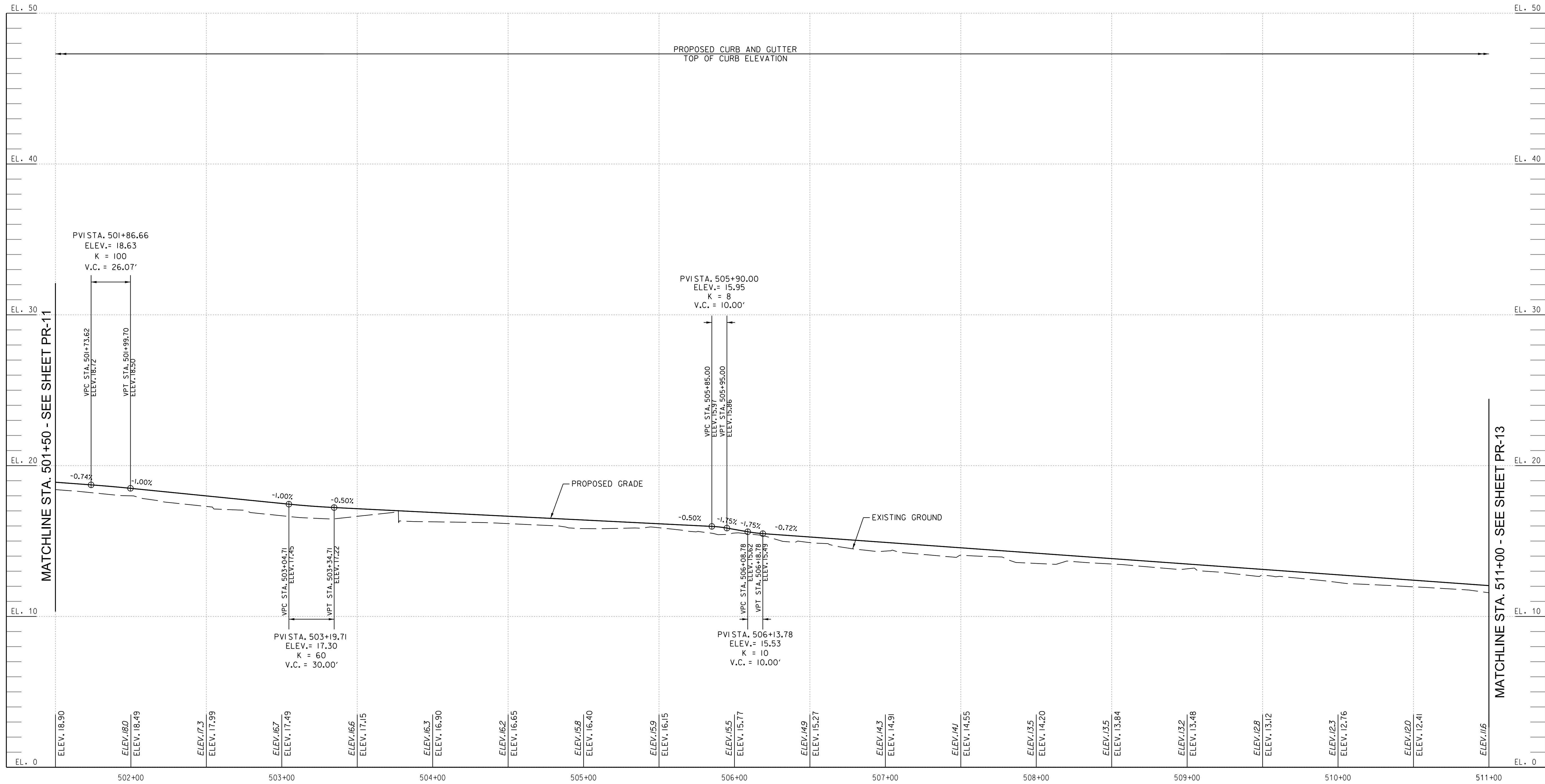


REVISIONS			
NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 43 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	

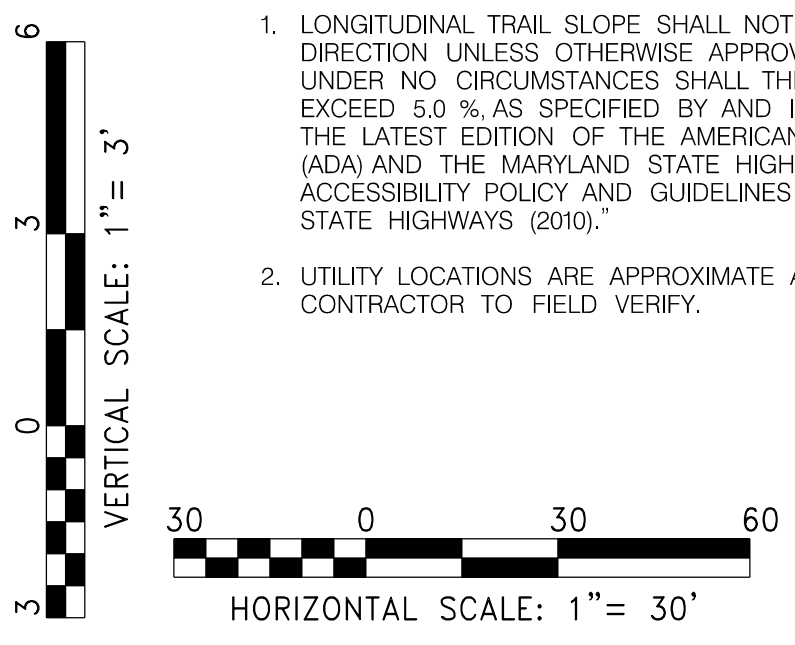
GP# G02018957 DWG. NO.: PR-10

BROADNECK PENINSULA TRAIL PHASE IB & V
TRAIL PROFILE



TRAIL 4

- NOTES:
- LONGITUDINAL TRAIL SLOPE SHALL NOT EXCEED 4.50 % IN EITHER DIRECTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE LONGITUDINAL SLOPE EXCEED 5.0 % AS SPECIFIED BY AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MDSHA) ACCESSIBILITY POLICY AND GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS (2010).
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PROFESSIONAL CERTIFICATION
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MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-09-2024



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CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
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ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

GP# G02018957 DWG. NO.: PR-11

SCALE: AS NOTED

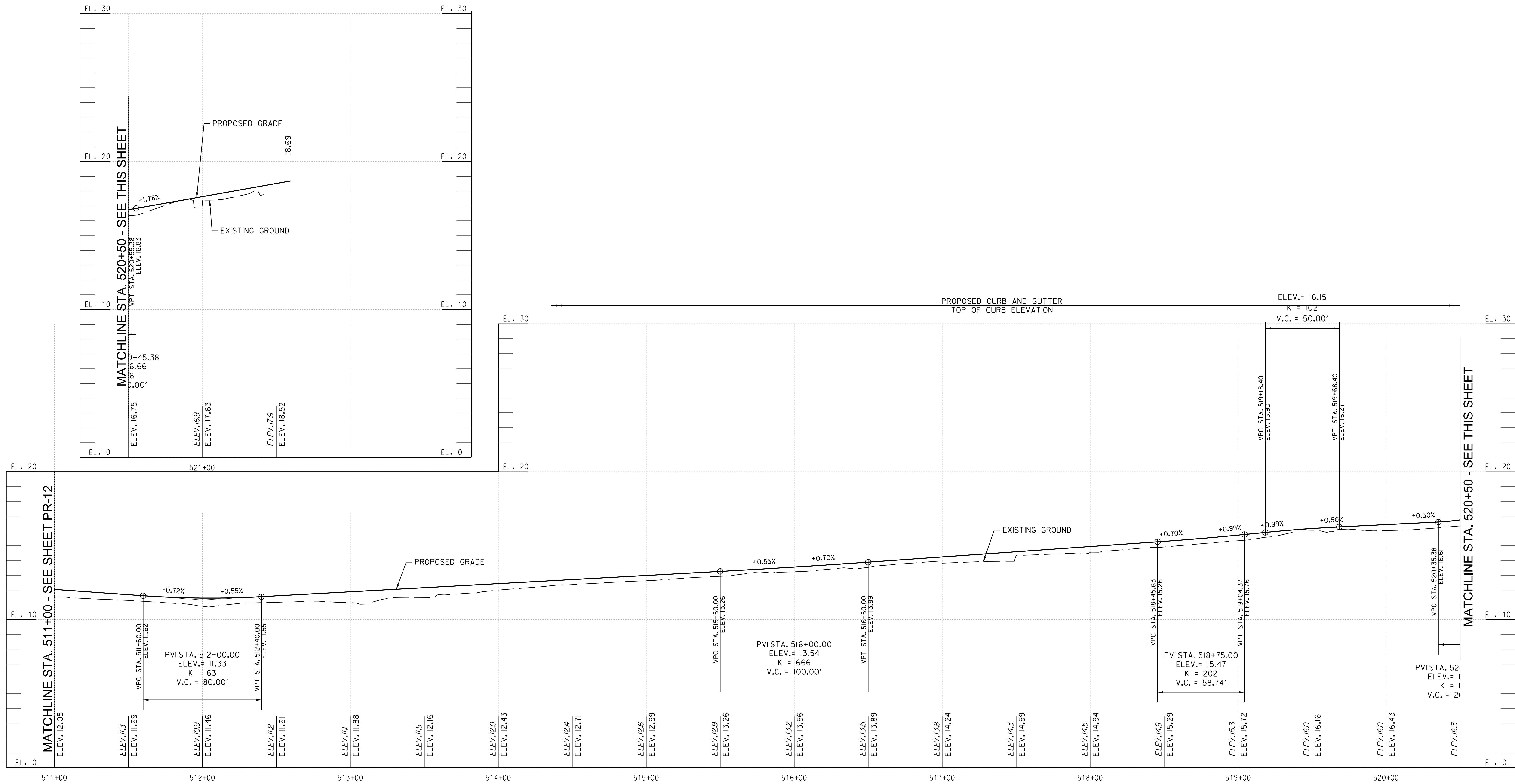
BROADNECK PENINSULA TRAIL PHASE IB & V

TRAIL PROFILE

SHEET NO. 44 OF 116

PROJECT NO. P504100

CONTRACT NO. P504105



TRAIL 4

NOTES:

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VERTICAL SCALE: 1" = 3'

HORIZONTAL SCALE: 1" = 30'

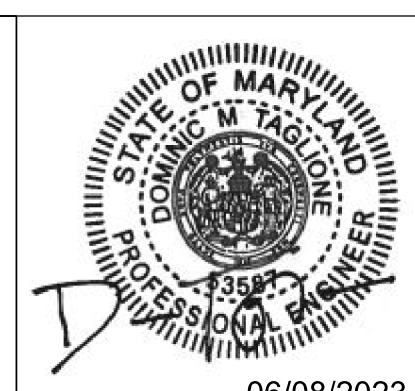
AECOM

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SUITE 300
HUNT VALLEY, MARYLAND 21030
PHONE: 410-785-7220
FAX: 410-785-6818

PROFESSIONAL CERTIFICATION

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MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-09-2024



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CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
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ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

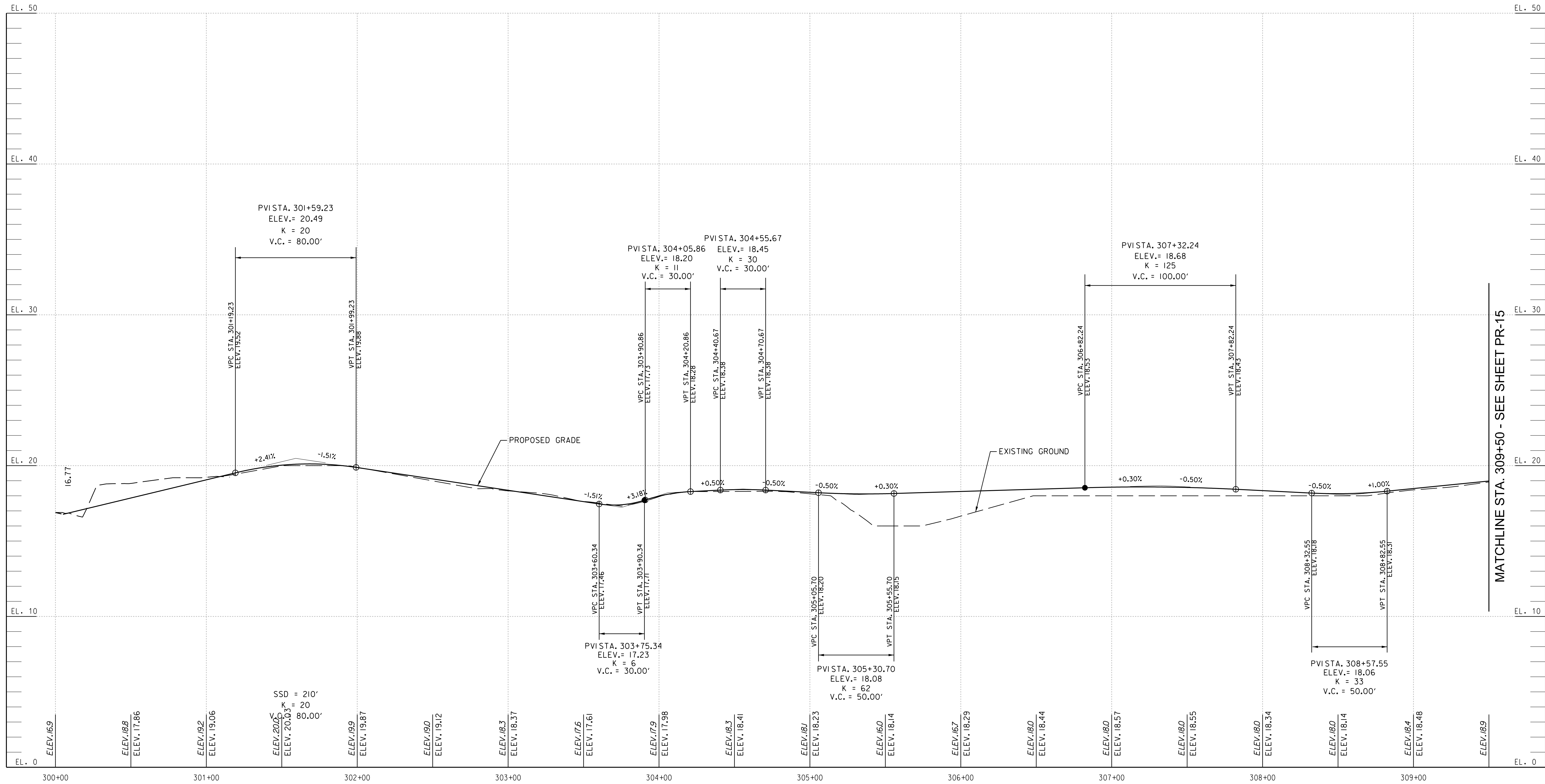
GP# G02018957 DWG. NO.: PR-12

SCALE: AS NOTED

BROADNECK PENINSULA TRAIL PHASE IB & V

TRAIL PROFILE

SHEET NO. 45 OF 116
PROJECT NO. P504100
CONTRACT NO. P504105



SANDY POINT STATE PARK - TRAIL SEGMENT 01

NOTES:

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SSD = 210'
K = 20
80.00'

VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'

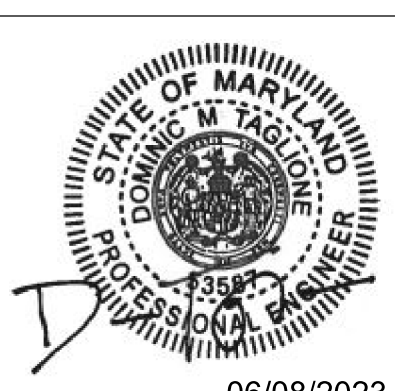
AECOM

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PROFESSIONAL CERTIFICATION

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MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-09-2024

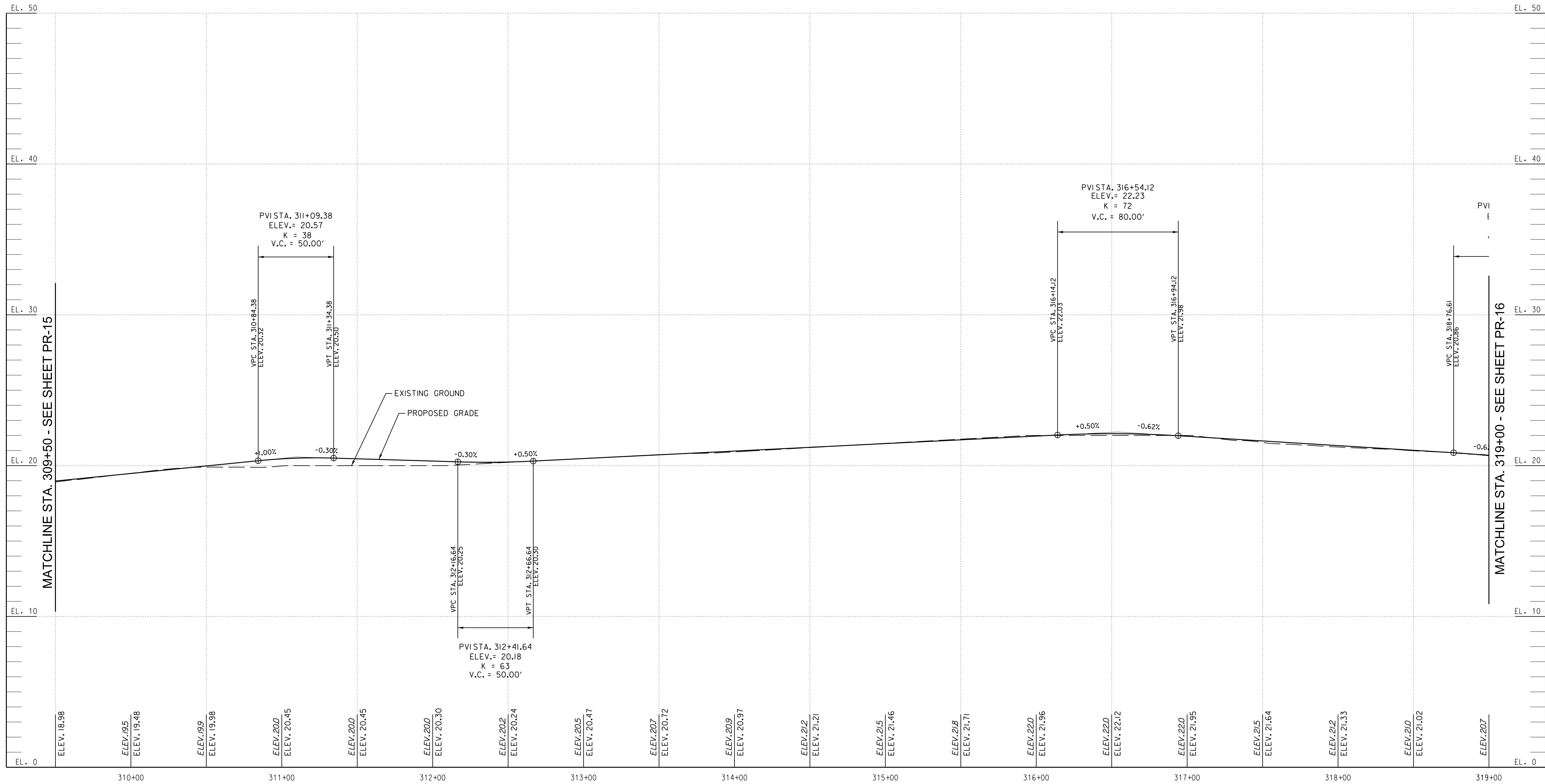


REVISIONS			
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ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
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CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

SCALE: AS NOTED	BROADNECK PENINSULA TRAIL PHASE IB & V
DRAWN BY: DMT	
CHECKED BY: DMT	
SHEET NO. 46 OF 116	TRAIL PROFILE
PROJECT NO. P504100	
CONTRACT NO. P504105	

GP# G02018957 DWG. NO.: PR-13



SANDY POINT STATE PARK - TRAIL SEGMENT 01

NOTES:

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Vertical Scale: 1" = 3'

Horizontal Scale: 1" = 30'

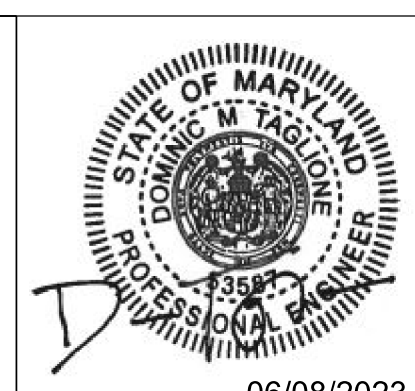
AECOM

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SUITE 300
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PHONE: 410-785-7220
FAX: 410-785-6818

PROFESSIONAL CERTIFICATION

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MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-09-2024



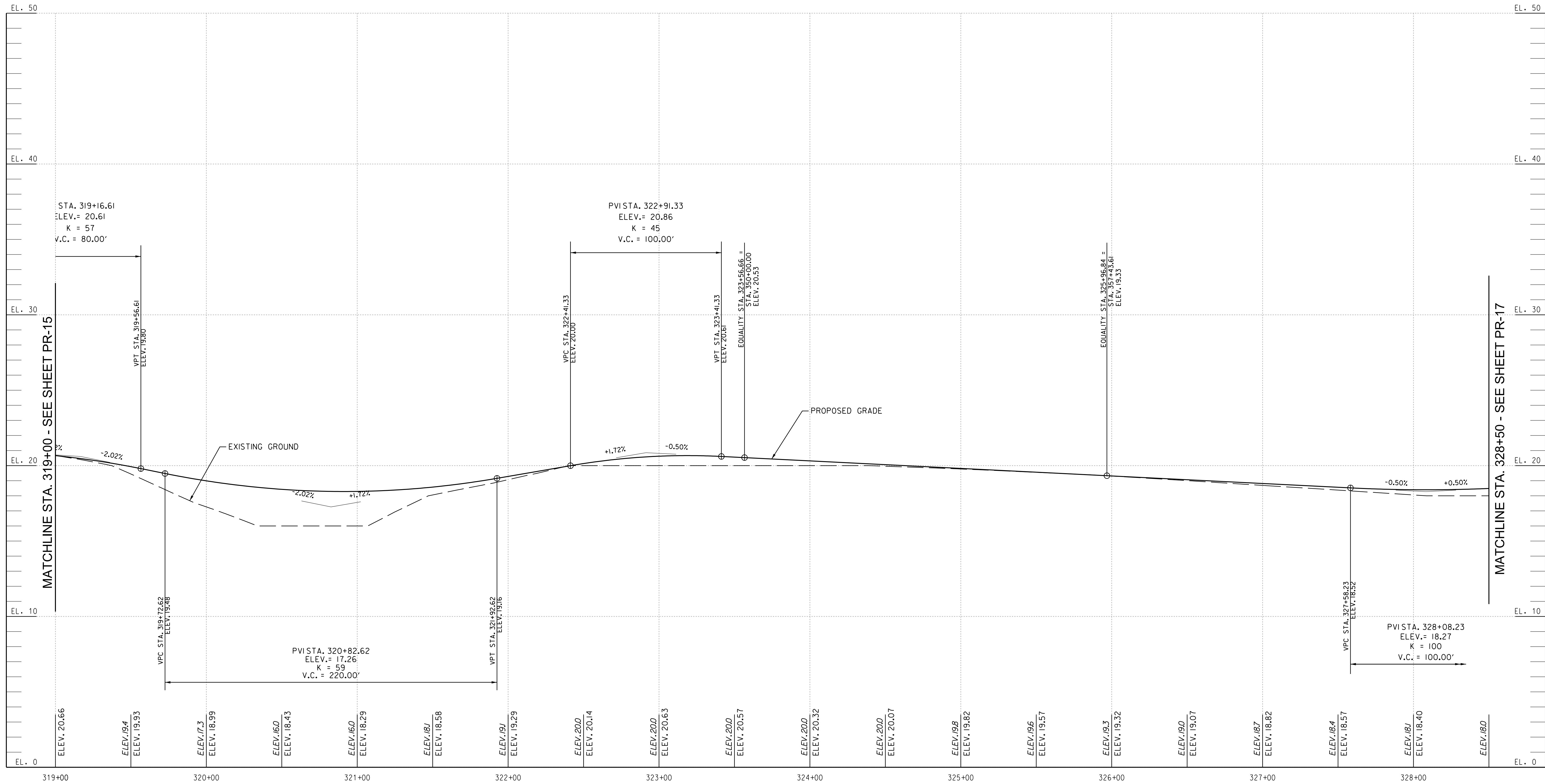
REVISIONS			
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ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
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ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 47 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	

GP# G02018957 DWG. NO.: PR-14

BROADNECK PENINSULA TRAIL PHASE IB & V

TRAIL PROFILE



SANDY POINT STATE PARK - TRAIL SEGMENT 01

NOTES:

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VERTICAL SCALE: 1" = 3'
HORIZONTAL SCALE: 1" = 30'

AECOM

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PROFESSIONAL CERTIFICATION

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MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-09-2024



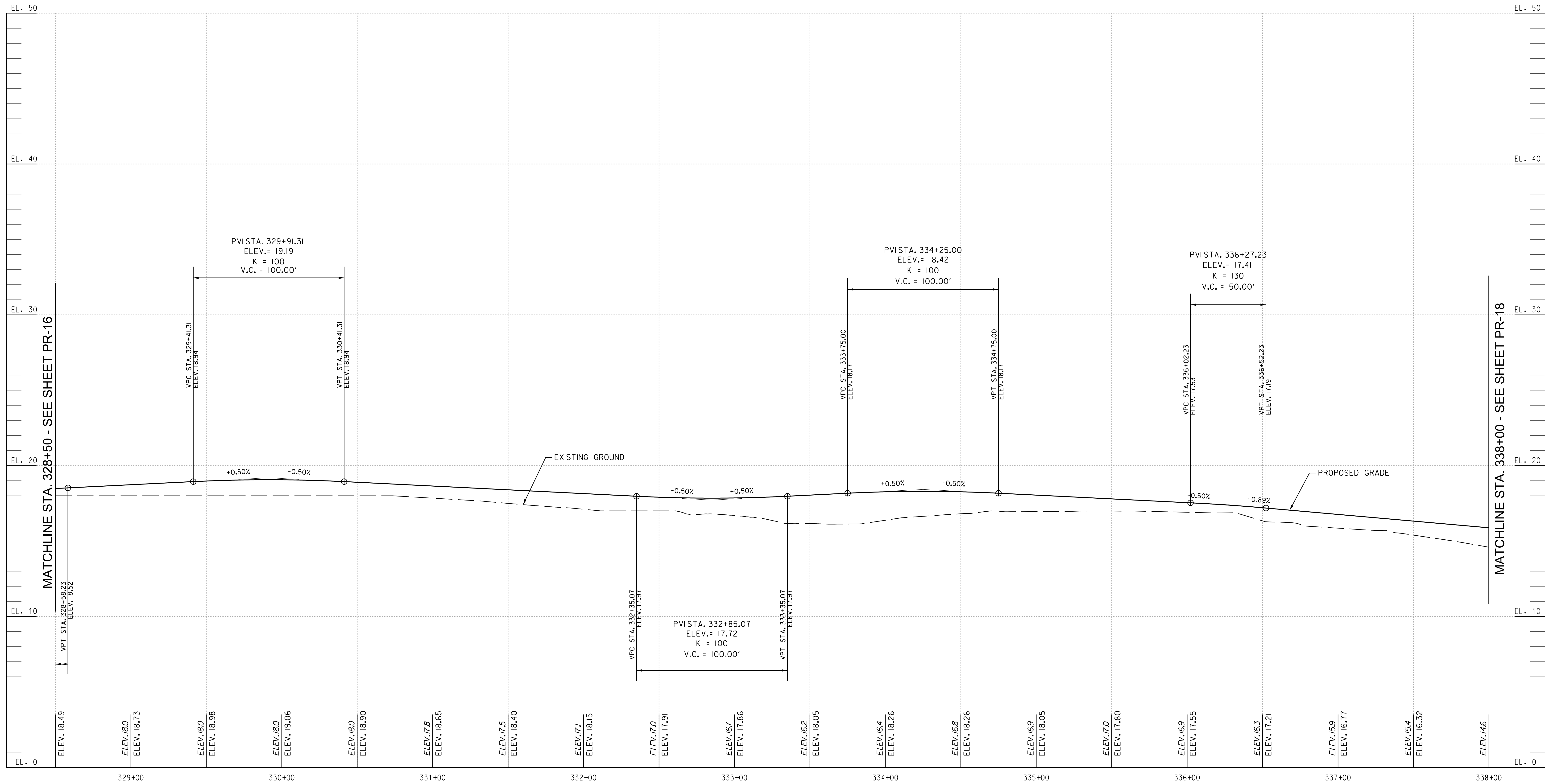
REVISIONS			
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ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
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ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 48 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	

BROADNECK PENINSULA TRAIL PHASE IB & V

TRAIL PROFILE

GP# G02018957 DWG. NO.: PR-15



SANDY POINT STATE PARK - TRAIL SEGMENT 01

NOTES:

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VERTICAL SCALE: 1" = 3'
 HORIZONTAL SCALE: 1" = 30'

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 MD LICENSE NUMBER: S3587
 EXPIRATION DATE: 12-09-2024



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<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

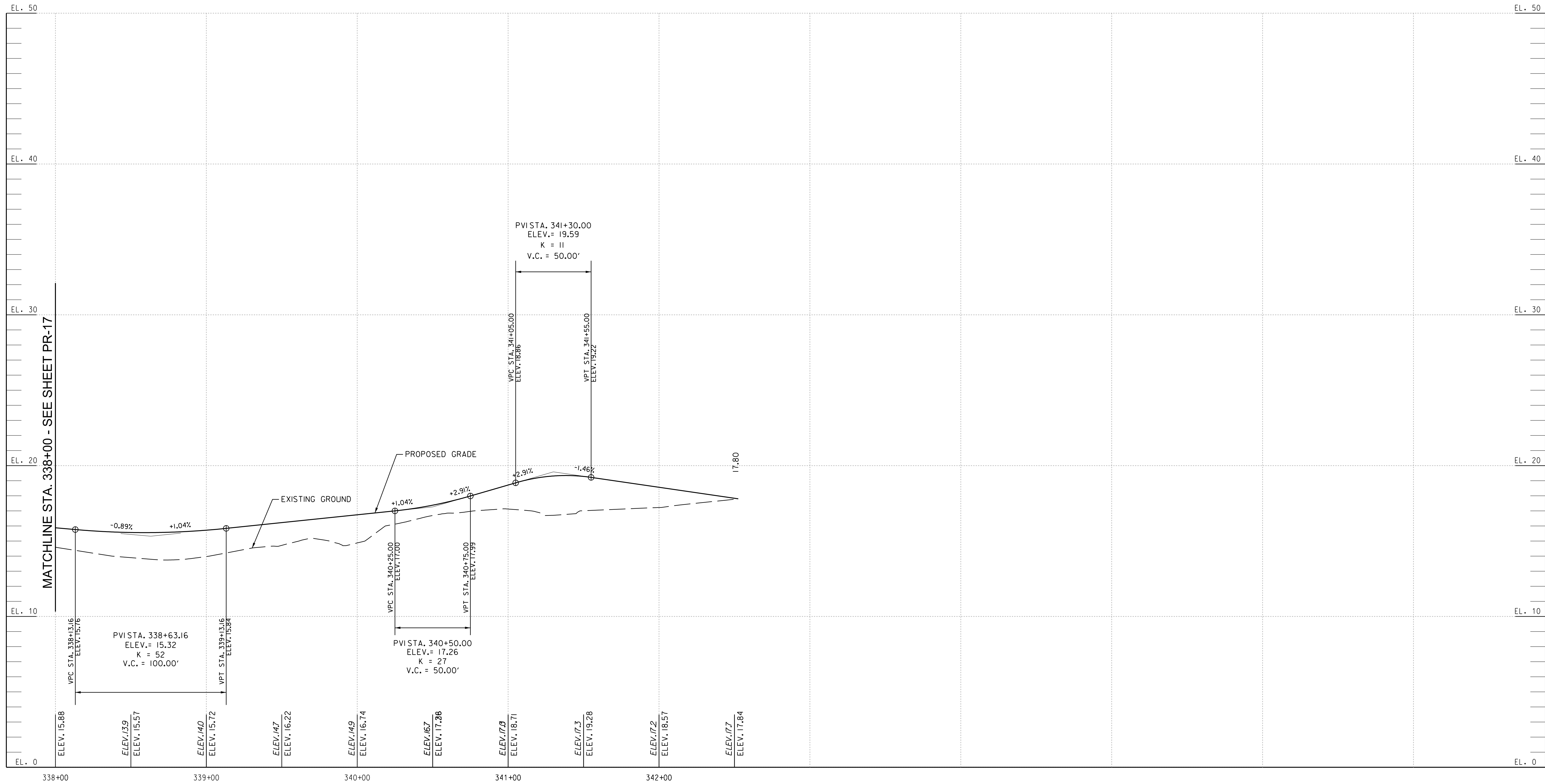
GP# G02018957 DWG. NO.: PR-16

SCALE: AS NOTED

BROADNECK PENINSULA TRAIL PHASE IB & V

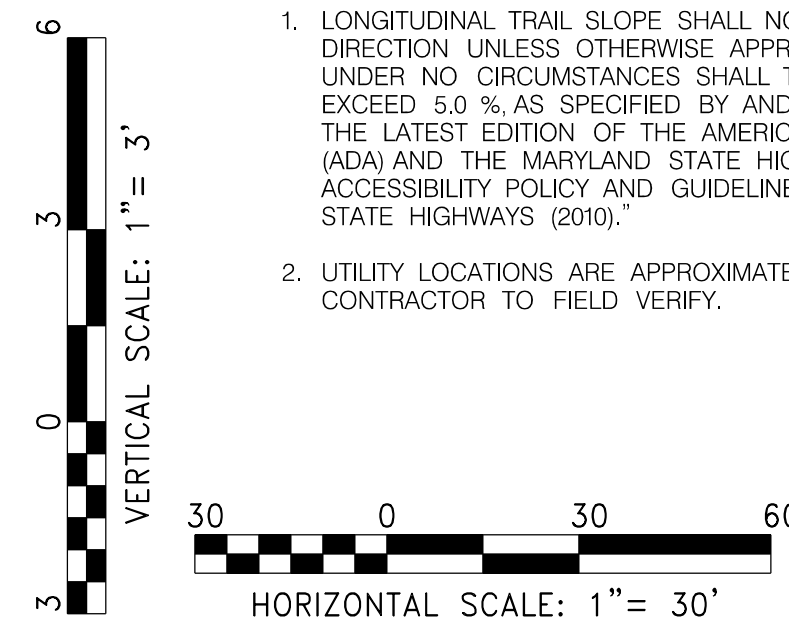
TRAIL PROFILE

CHECKED BY: DMT
 SHEET NO. 49 OF 116
 PROJECT NO. P504100
 CONTRACT NO. P504105



SANDY POINT STATE PARK - TRAIL SEGMENT 01

- NOTES:**
- LONGITUDINAL TRAIL SLOPE SHALL NOT EXCEED 4.50 % IN EITHER DIRECTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE LONGITUDINAL SLOPE EXCEED 5.0 % AS SPECIFIED BY AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MDSHA) ACCESSIBILITY POLICY AND GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS (2010).
 - UTILITY LOCATIONS ARE APPROXIMATE AND ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY.



AECOM
4 NORTH PARK DRIVE
SUITE 300
HUNT VALLEY, MARYLAND 21030
PHONE: 410-785-7220
FAX: 410-785-6818

PROFESSIONAL CERTIFICATION
"I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."
MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-09-2024

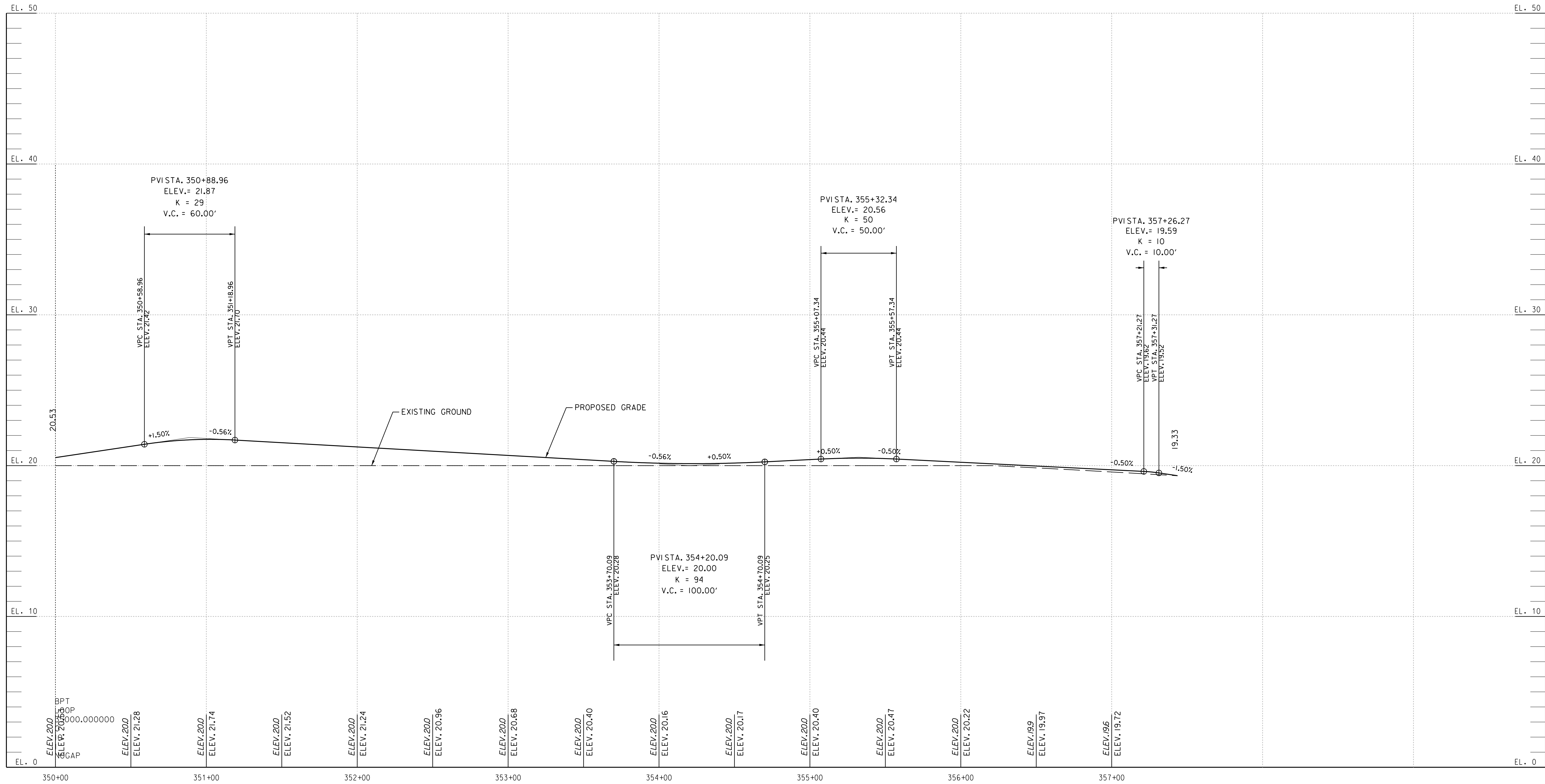


06/08/2023

REVISIONS			
NO.	DESCRIPTION	BY	DATE

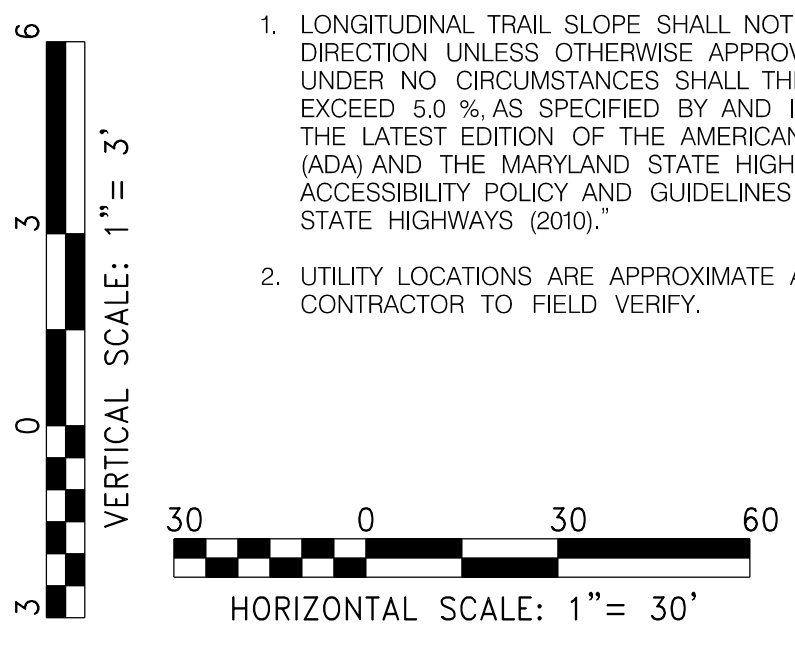
ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 50 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	
BROADNECK PENINSULA TRAIL PHASE IB & V			
TRAIL PROFILE			

GP# G02018957 DWG. NO.: PR-17



SANDY POINT STATE PARK - LOOP TRAIL

- NOTES:
- LONGITUDINAL TRAIL SLOPE SHALL NOT EXCEED 4.50 % IN EITHER DIRECTION UNLESS OTHERWISE APPROVED BY THE ENGINEER. UNDER NO CIRCUMSTANCES SHALL THE LONGITUDINAL SLOPE EXCEED 5.0 % AS SPECIFIED BY AND IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE MARYLAND STATE HIGHWAY ADMINISTRATION'S (MDSHA) ACCESSIBILITY POLICY AND GUIDELINES FOR PEDESTRIAN FACILITIES ALONG STATE HIGHWAYS (2010).
 - UTILITY LOCATIONS ARE APPROXIMATE AND ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY.



AECOM

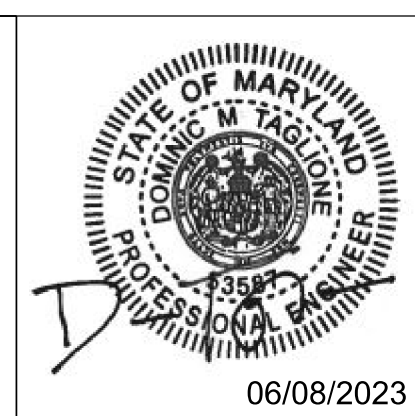
AECOM
4 NORTH PARK DRIVE
SUITE 300
HUNT VALLEY, MARYLAND 21030
PHONE: 410-785-7220
FAX: 410-785-6818

PROFESSIONAL CERTIFICATION

"I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."

MD LICENSE NUMBER: 53587

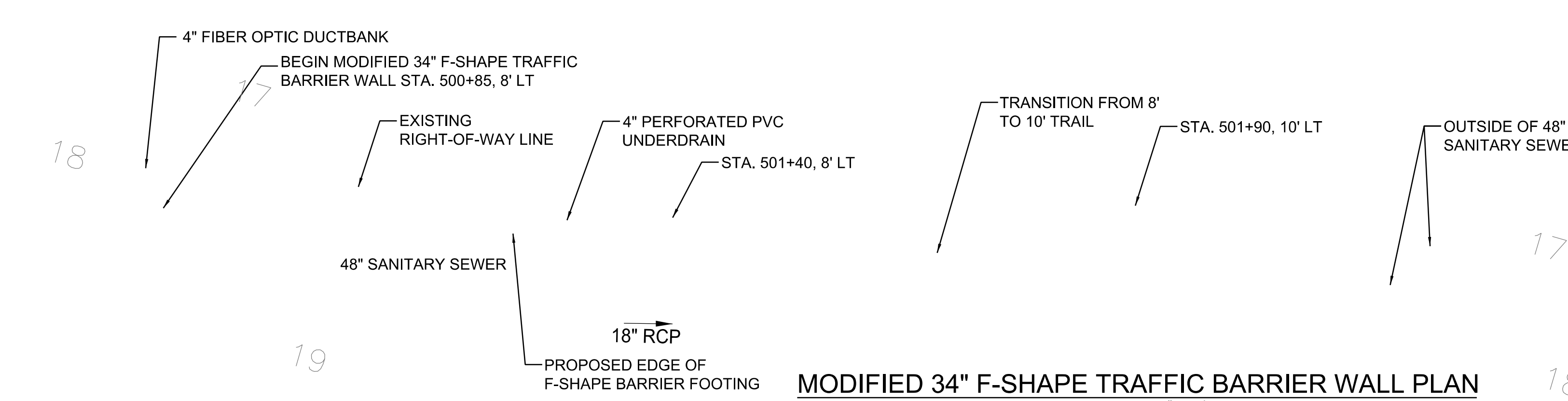
EXPIRATION DATE: 12-09-2024



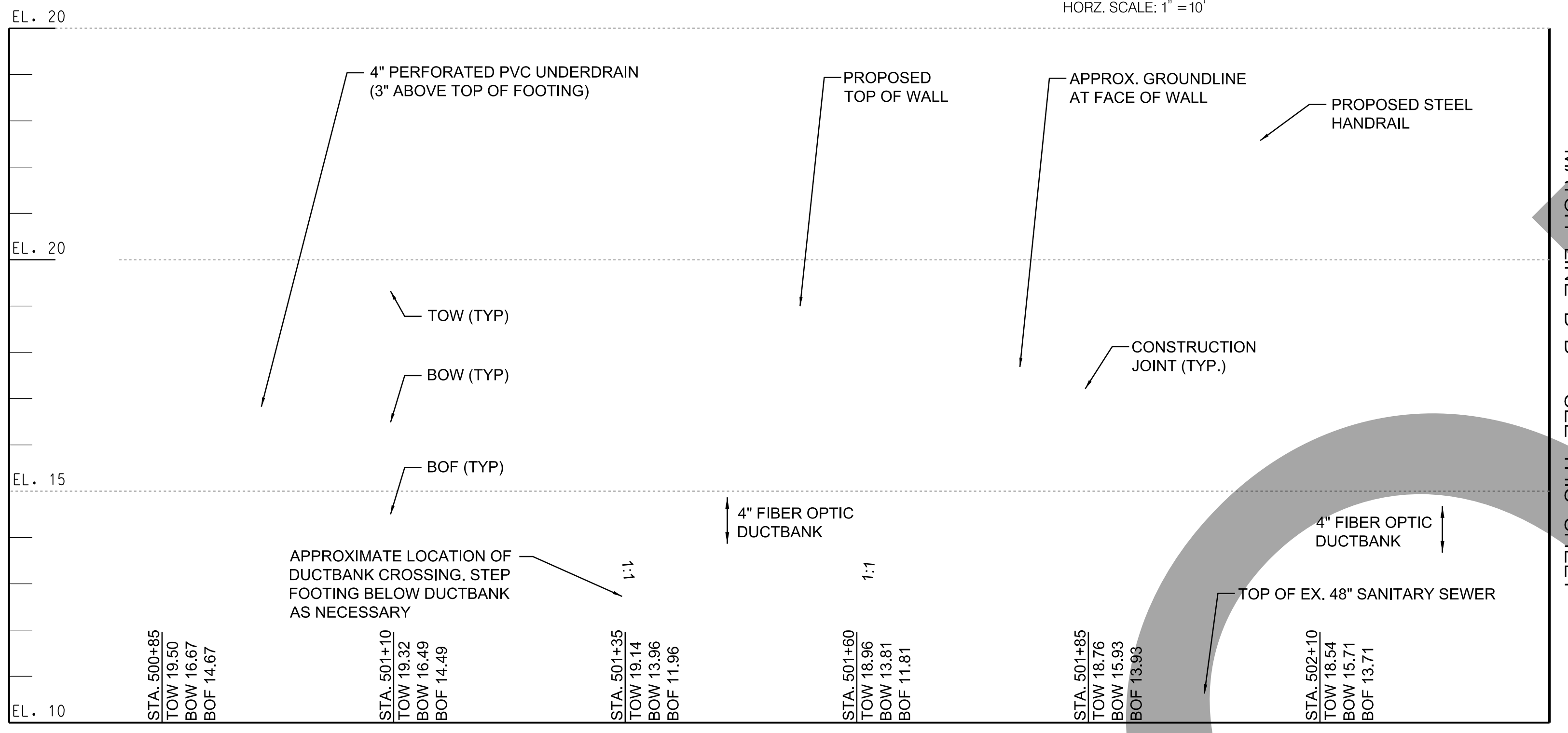
REVISIONS			
NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 51 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	
BROADNECK PENINSULA TRAIL PHASE IB & V			
TRAIL PROFILE			

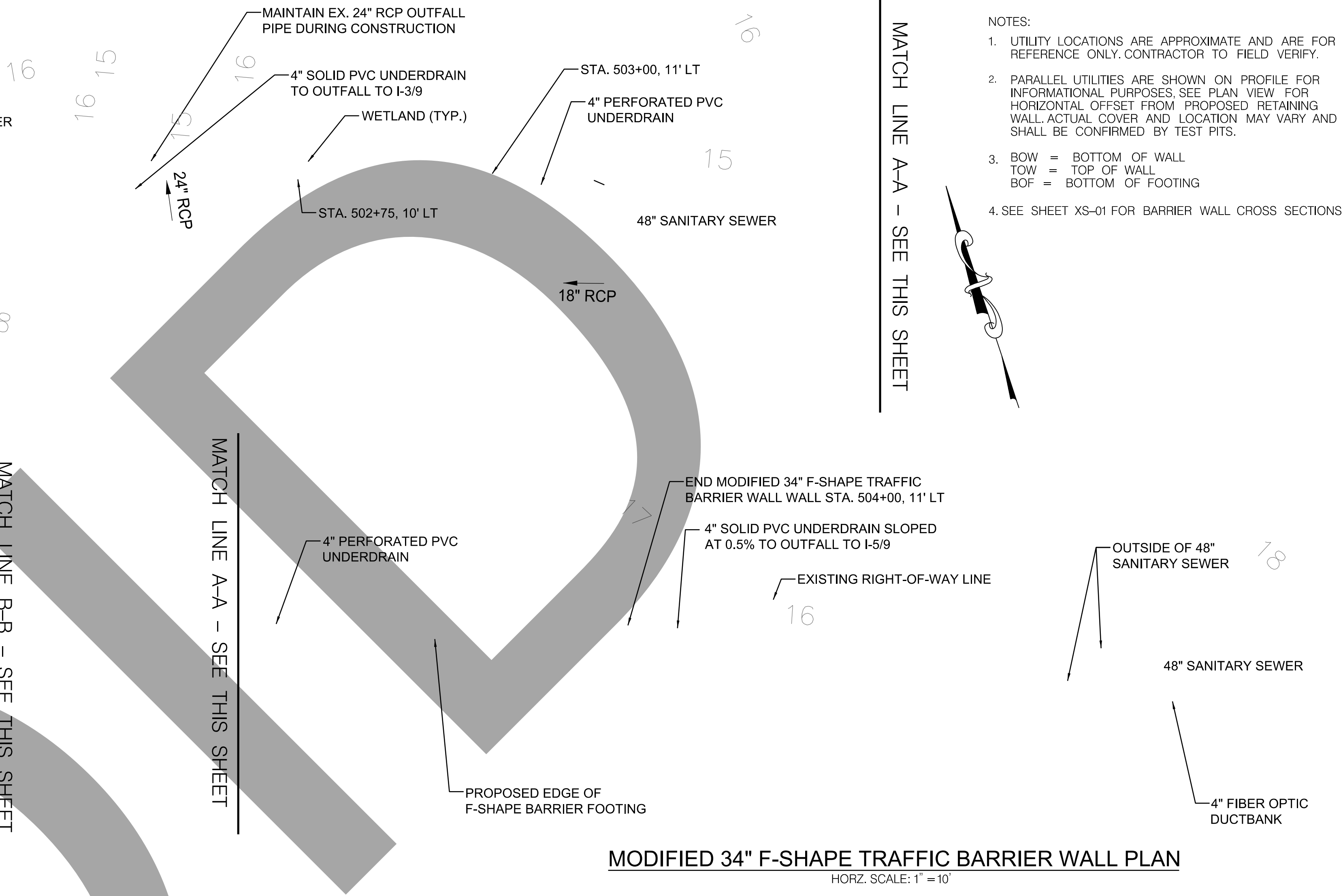
GP# G02018957 DWG. NO.: PR-18



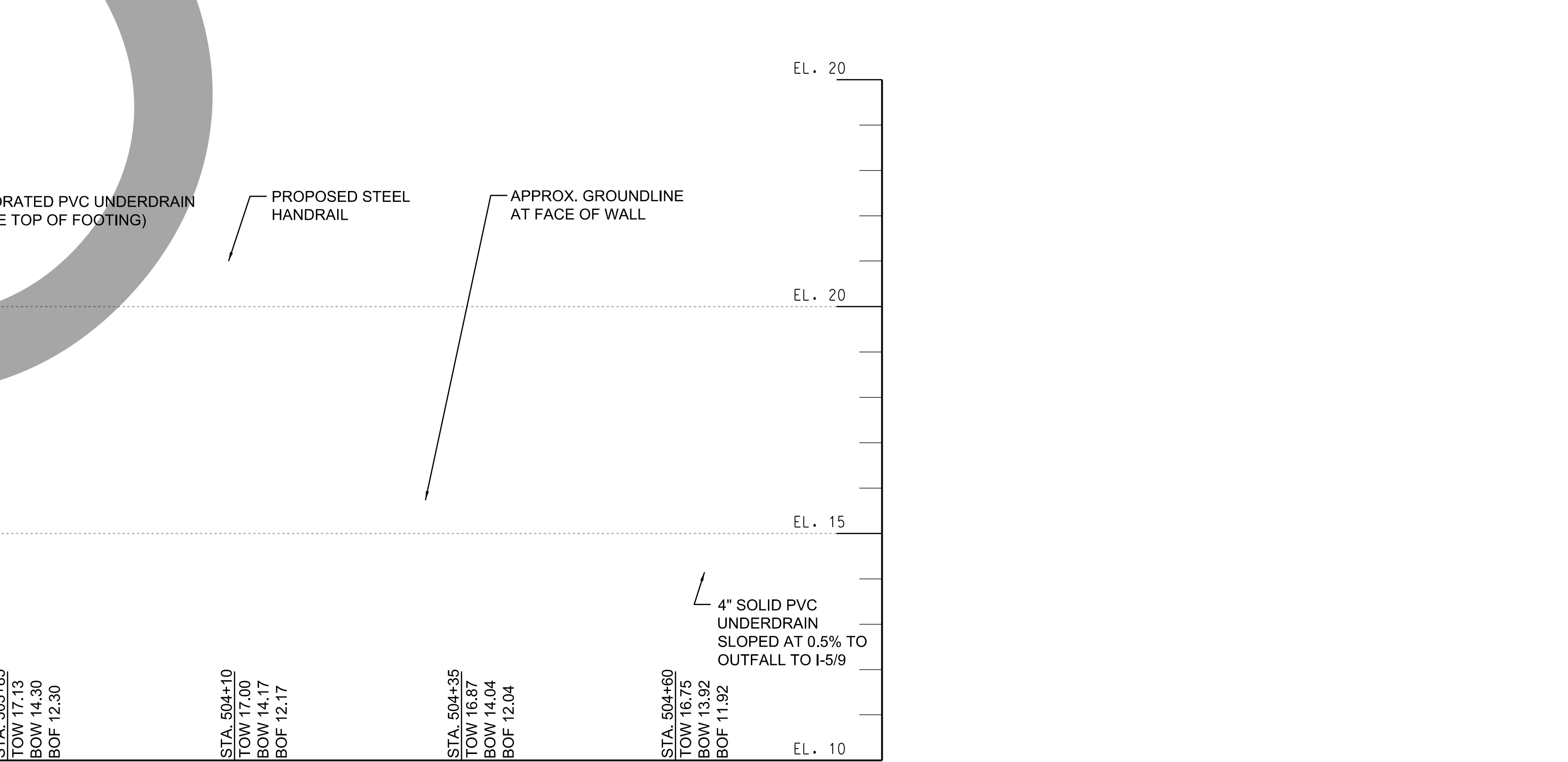
MODIFIED 34" F-SHAPE TRAFFIC BARRIER WALL PLAN
 HORZ. SCALE: 1" = 10'



MODIFIED 34 INCH TRAFFIC BARRIER WALL PROFILE - STA 500+85 TO STA 502+35
 HORZ. SCALE: 1" = 10'
 VERT. SCALE: 1" = 2'



MODIFIED 34" F-SHAPE TRAFFIC BARRIER WALL PLAN
 HORZ. SCALE: 1" = 10'



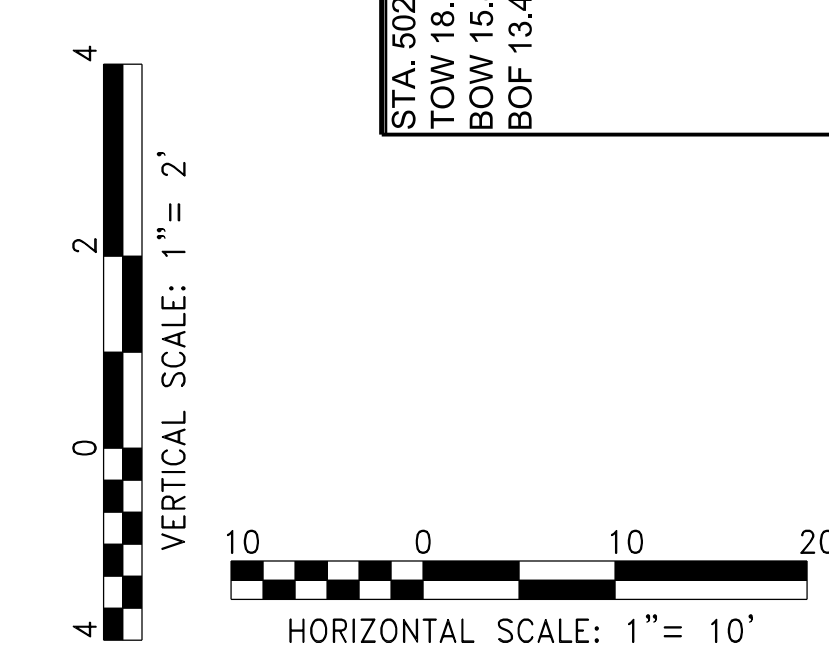
MODIFIED 34 INCH TRAFFIC BARRIER WALL PROFILE - STA 502+35 TO STA 504+75
 HORZ. SCALE: 1" = 10'
 VERT. SCALE: 1" = 2'

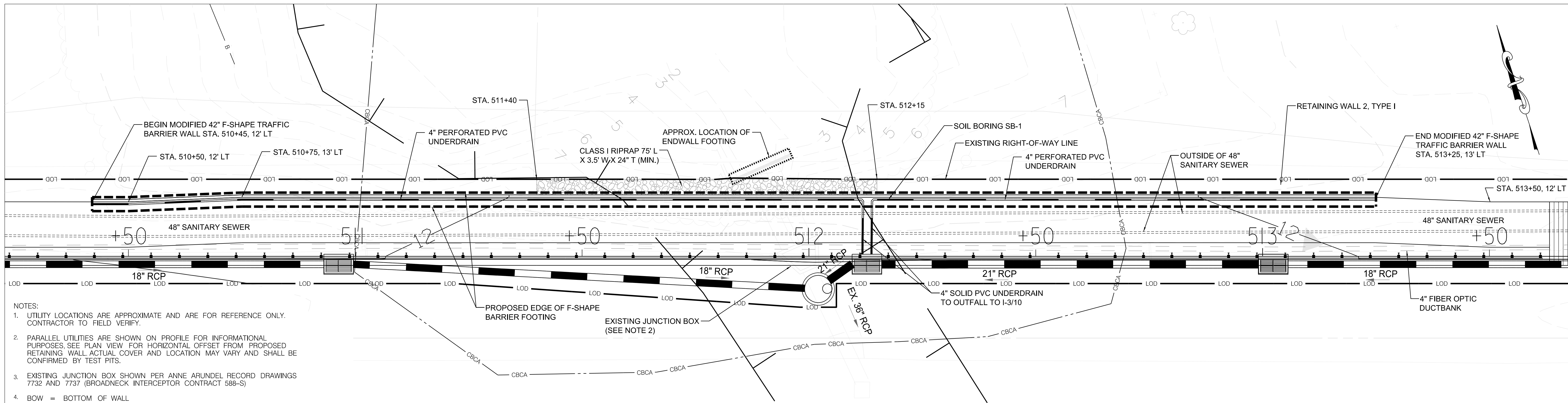
- NOTES:
1. UTILITY LOCATIONS ARE APPROXIMATE AND ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY.
 2. PARALLEL UTILITIES ARE SHOWN ON PROFILE FOR INFORMATIONAL PURPOSES; SEE PLAN VIEW FOR HORIZONTAL OFFSET FROM PROPOSED RETAINING WALL. ACTUAL COVER AND LOCATION MAY VARY AND SHALL BE CONFIRMED BY TEST PITS.
 3. BOW = BOTTOM OF WALL
 TOW = TOP OF WALL
 BOF = BOTTOM OF FOOTING
 4. SEE SHEET XS-01 FOR BARRIER WALL CROSS SECTIONS.

MATCH LINE AA - SEE THIS SHEET

MATCH LINE B-B - SEE THIS SHEET

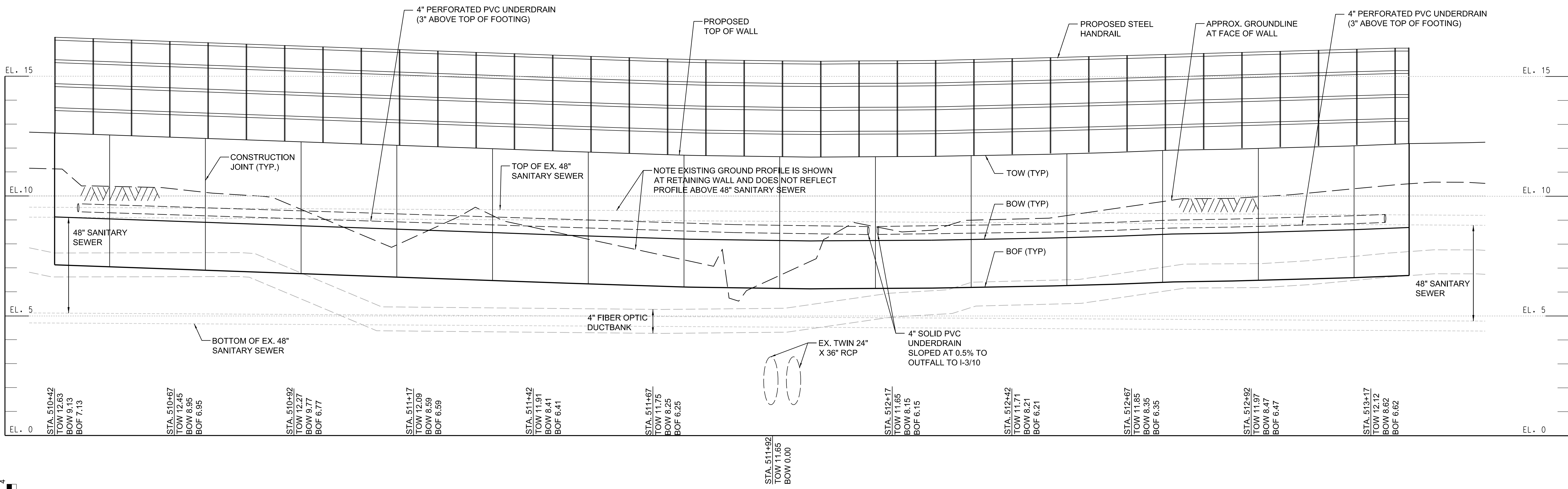
MATCH LINE A-A - SEE THIS SHEET





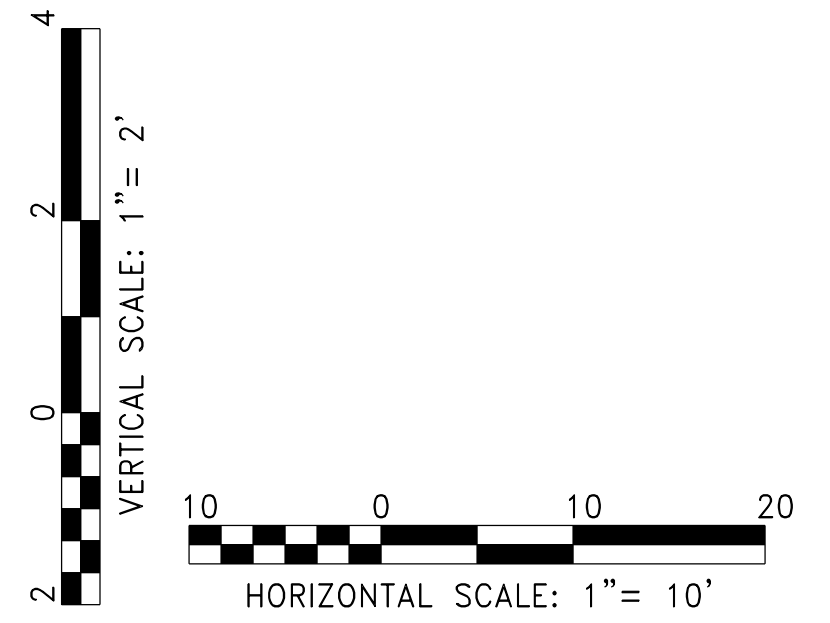
MODIFIED 42" F-SHAPE TRAFFIC BARRIER WALL PLAN
 HORZ. SCALE: 1" = 10'

- NOTES:
- UTILITY LOCATIONS ARE APPROXIMATE AND ARE FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY.
 - PARALLEL UTILITIES ARE SHOWN ON PROFILE FOR INFORMATIONAL PURPOSES, SEE PLAN VIEW FOR HORIZONTAL OFFSET FROM PROPOSED RETAINING WALL. ACTUAL COVER AND LOCATION MAY VARY AND SHALL BE CONFIRMED BY TEST PITS.
 - EXISTING JUNCTION BOX SHOWN PER ANNE ARUNDEL RECORD DRAWINGS 7732 AND 7737 (BROADNECK INTERCEPTOR CONTRACT 588-3)
 - BOW = BOTTOM OF WALL
 TOW = TOP OF WALL
 BOF = BOTTOM OF FOOTING
 - SEE XS-02 FOR BARRIER WALL CROSS SECTIONS.



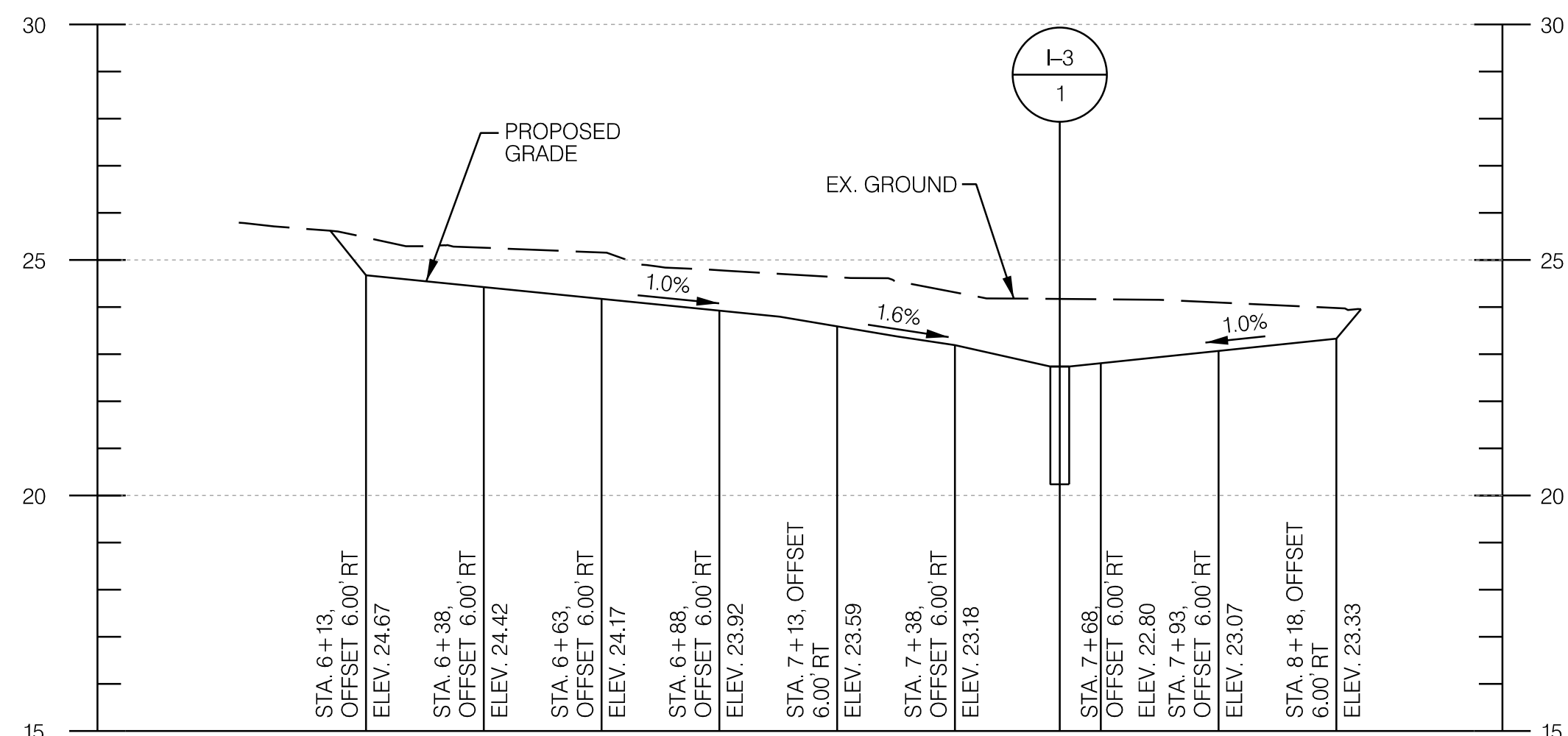
MODIFIED 42 INCH TRAFFIC BARRIER WALL PROFILE - STA 510+42 TO STA 513+25

HORZ. SCALE: 1" = 10'
 VERT. SCALE: 1" = 2'



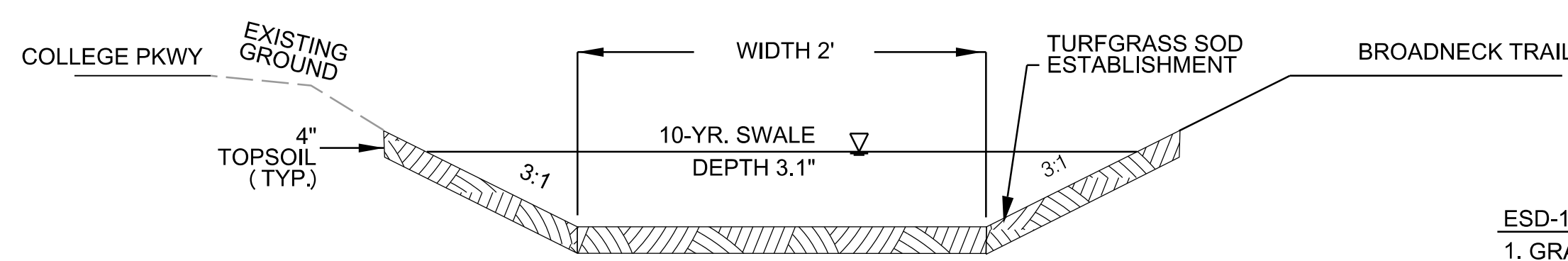
GP# G02018957 DWG. NO.: RW-01

<p>AECOM 4 NORTH PARK DRIVE SUITE 300 HUNT VALLEY, MARYLAND 21030 PHONE: 410-785-7220 FAX: 410-785-6818</p>	<p>PROFESSIONAL CERTIFICATION</p> <p>"I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."</p> <p>MD LICENSE NUMBER: S3587 EXPIRATION DATE: 12-09-2024</p>		<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>				NO.	DESCRIPTION	BY	DATE													<p>ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS</p>			
			NO.	DESCRIPTION	BY	DATE																				
<p>APPROVED: [Signature] DATE: 11/20/2023 08:59 EST CHIEF ENGINEER</p>				<p>APPROVED: [Signature] DATE: 11/17/2023 08:00 EST PROJECT MANAGER</p>																						
<p>APPROVED: [Signature] DATE: 11/17/2023 11:56 EST ASSISTANT CHIEF ENGINEER</p>				<p>APPROVED: [Signature] DATE: 11/17/2023 18:30 EST CHIEF, RIGHT OF WAY</p>																						
<p>SCALE: AS NOTED</p>				<p>DRAWN BY: DMT CHECKED BY: DMT SHEET NO. 52 OF 116 PROJECT NO. P504100 CONTRACT NO. P504105</p>																						
<p>BROADNECK PENINSULA TRAIL PHASE IB & V</p>				<p>BARRIER WALL 1 PLAN & PROFILE</p>																						



GRASS SWALE ESD 1-1 PROFILE

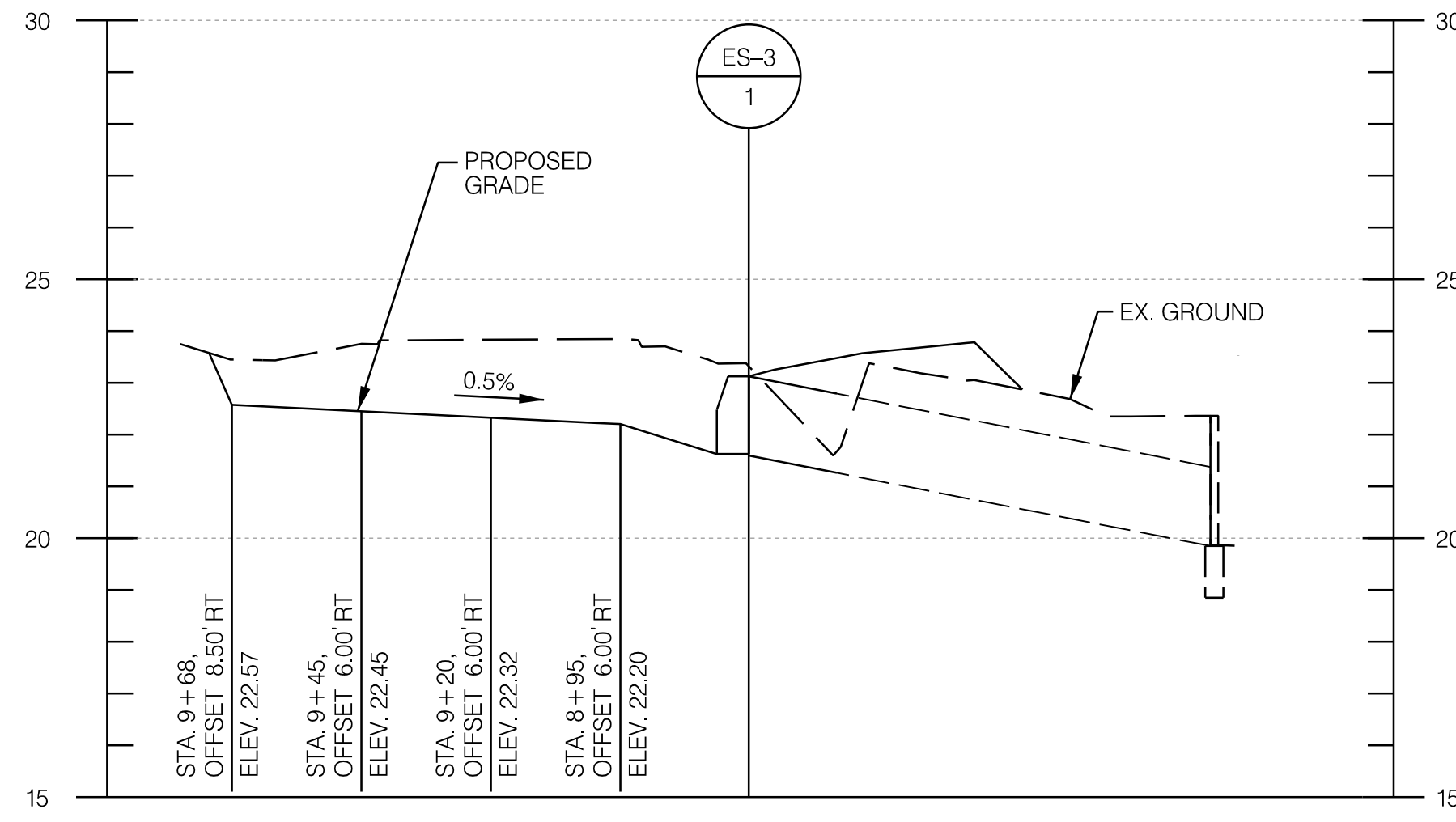
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VERT. SCALE 1" = 3'



GRASS-SWALE ESD 1-1 TYPICAL SECTION

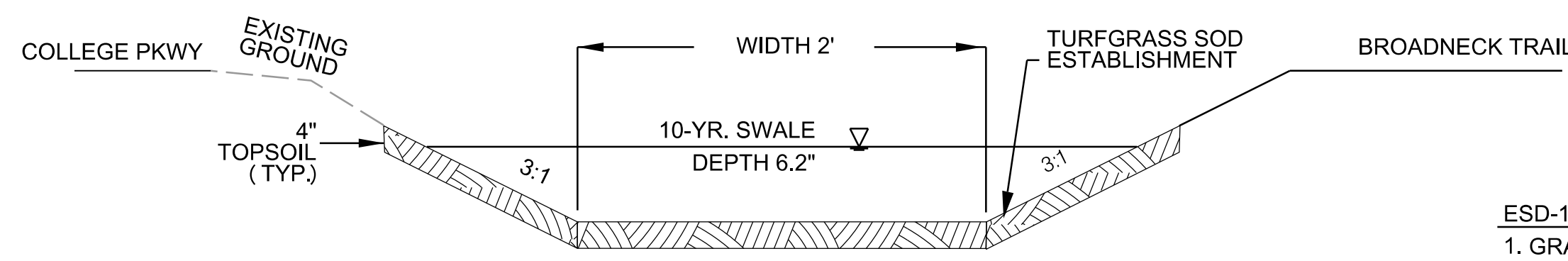
NOT TO SCALE
NOTE: ANNE ARUNDEL COUNTY TO OWN, OPERATE AND MAINTAIN ESD 1-1

- ESD-1-1 NOTES:**
1. GRASS SWALE WITH TEMPORARY SOIL STABILIZATION MATTING (TYPE D)
 2. SLOPE = 1.0% - 1.6%
 3. Q10 = 1.19 CFS
 4. V10 = 0.63 F/S
 5. WATER DEPTH = 7.1 IN.
 6. STARTS FROM STATION 6+13, 6.00' RT TO STA 8+18, 6.00' RT



GRASS SWALE ESD 1-2 PROFILE

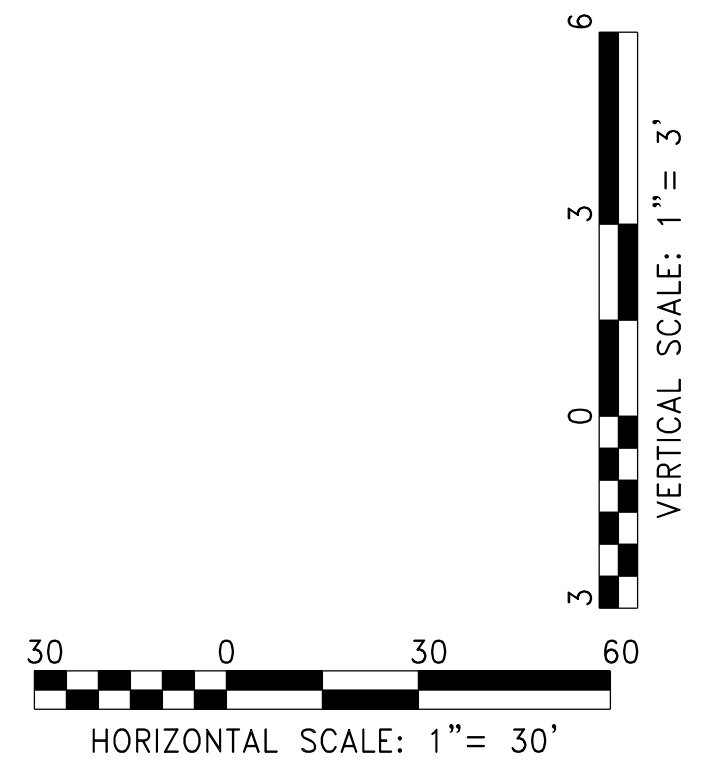
HORIZ. SCALE 1" = 30'
VERT. SCALE 1" = 3'



GRASS-SWALE ESD 1-2 TYPICAL SECTION

NOT TO SCALE
NOTE: ANNE ARUNDEL COUNTY TO OWN, OPERATE AND MAINTAIN ESD 1-2

- ESD-1-2 NOTES:**
1. GRASS SWALE WITH TEMPORARY SOIL STABILIZATION MATTING (TYPE D)
 2. SLOPE = 0.5%
 3. Q10 = 3.18 CFS
 4. V10 = 0.53 F/S
 5. WATER DEPTH = 13.4 IN.
 6. STARTS FROM STATION 9+68, 8.50' RT TO STA 8+77, 6.00' RT



GP# G02018957 DWG. NO.: SW-01

AECOM
4 NORTH PARK DRIVE
SUITE 300
HUNT VALLEY, MARYLAND 21030
PHONE: 410-785-7220
FAX: 410-785-6818

PROFESSIONAL CERTIFICATION
* I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-09-2024

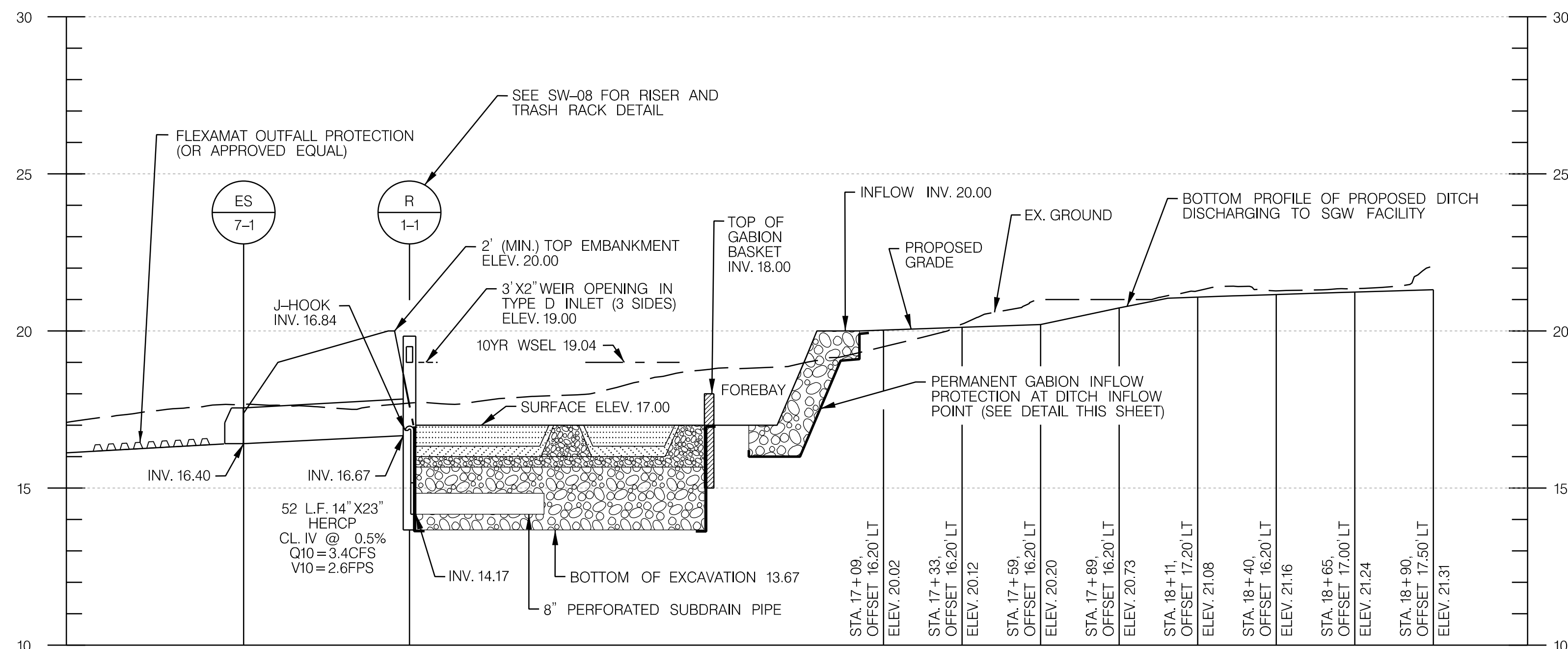


REVISIONS			
NO.	DESCRIPTION	BY	DATE

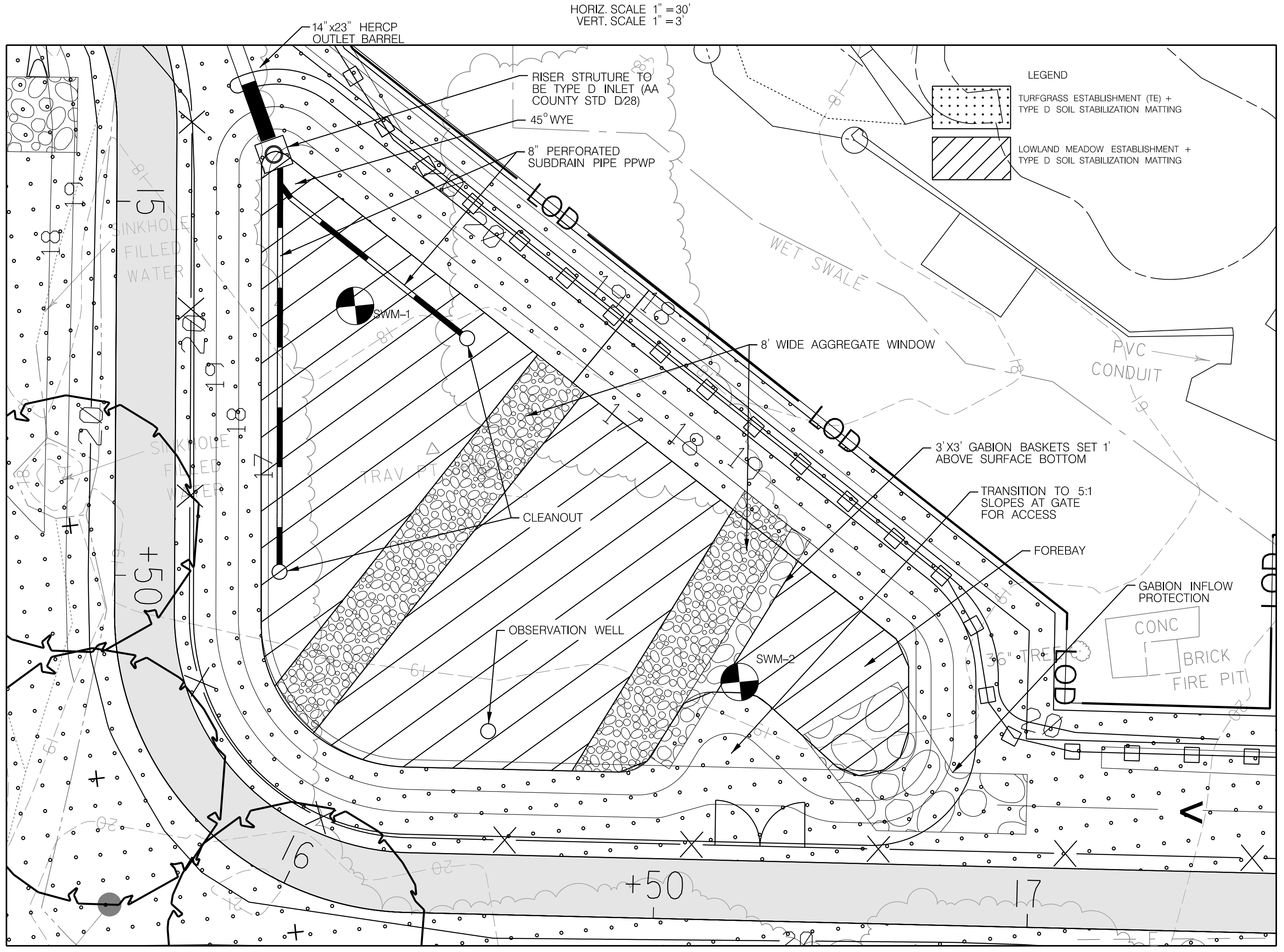
ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

SCALE: AS NOTED	BROADNECK PENINSULA TRAIL PHASE IB & V
DRAWN BY: DMT	CHECKED BY: DMT
SHEET NO. 53 OF 116	PROJECT NO. P504100
CONTRACT NO. P504105	

STORMWATER MANAGEMENT PLAN



SUBMERGED GRAVEL WETLAND ESD 1-3 PROFILE



SUBMERGED GRAVEL WETLAND ESD 1-3 - LANDSCAPE PLAN

BORING LOCATIONS			
NO.	NORTHING	EASTING	ELEVATION
SWM-1	496,092.07	1,470,579.73	17.82
SWM-2	496,036.73	1,470,625.68	18.77

NOTE: SEE SWD-02 FOR BORING LOGS



PROFESSIONAL CERTIFICATION
 I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 MD LICENSE NUMBER: S3587
 EXPIRATION DATE: 12-09-2024



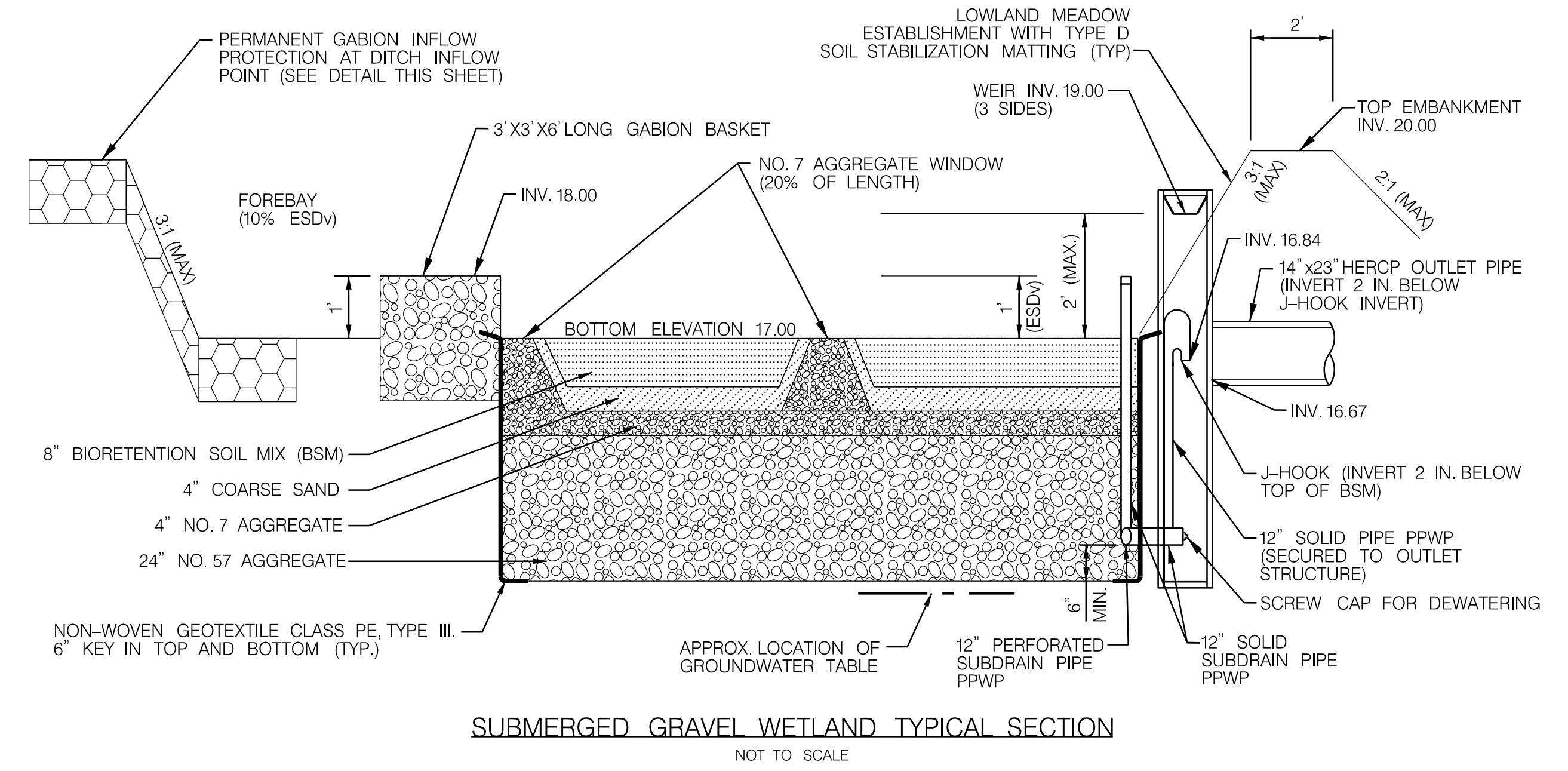
06/08/2023

NOTE: ANNE ARUNDEL COUNTY TO OWN, OPERATE AND MAINTAIN ESD 1-3

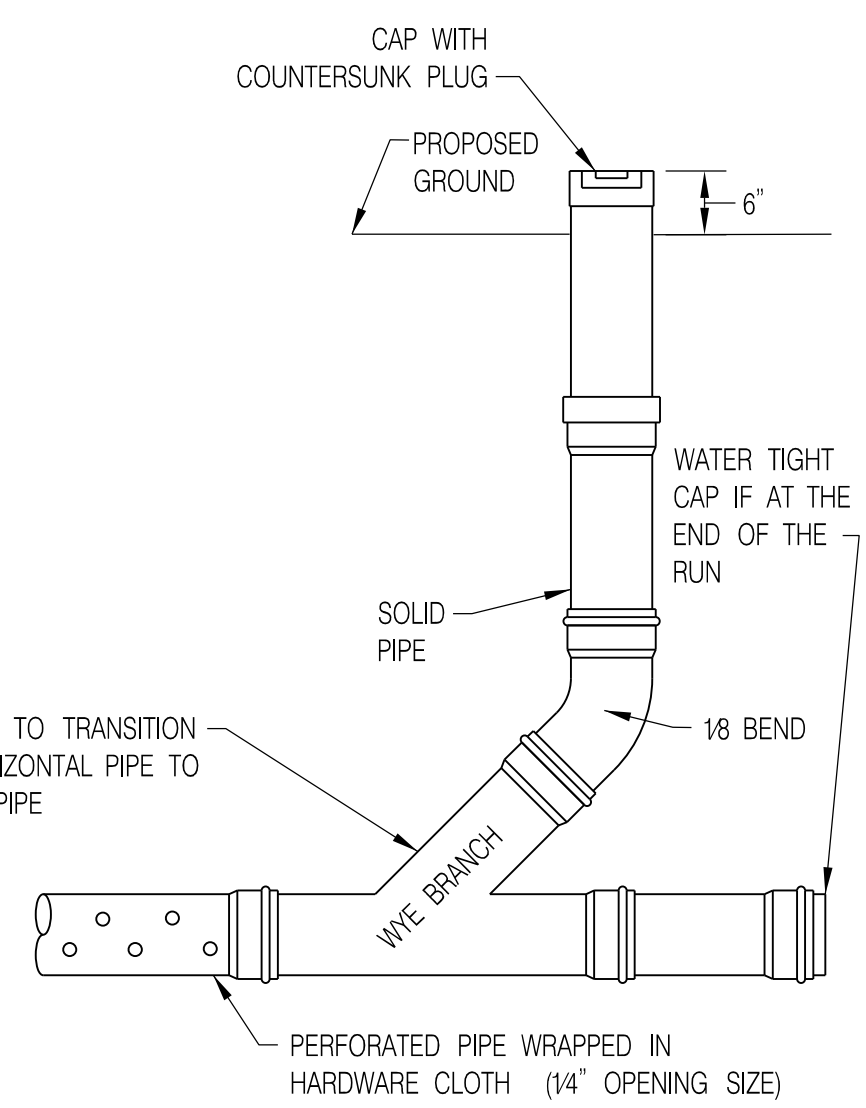
REVISIONS			
NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:33 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	

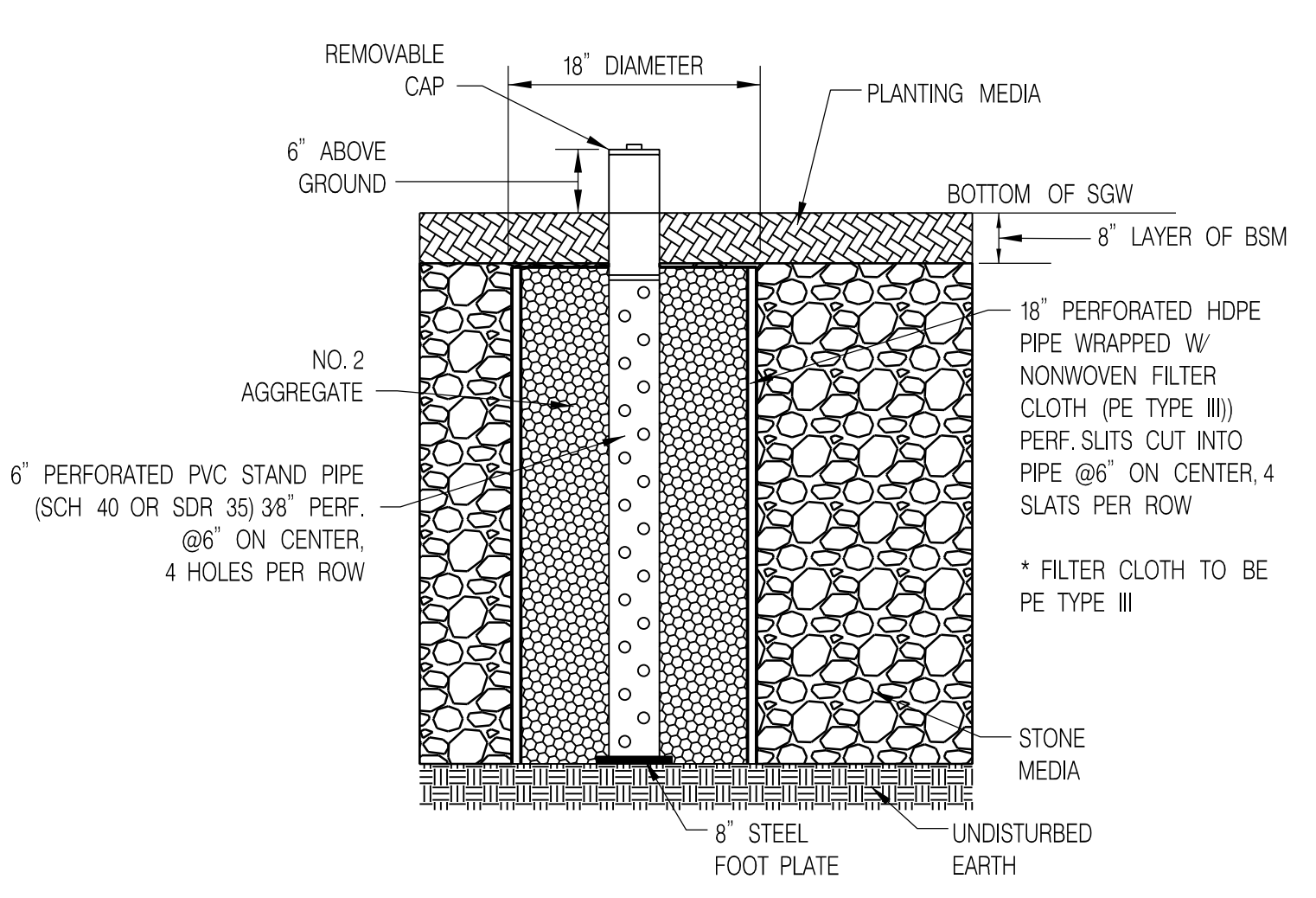
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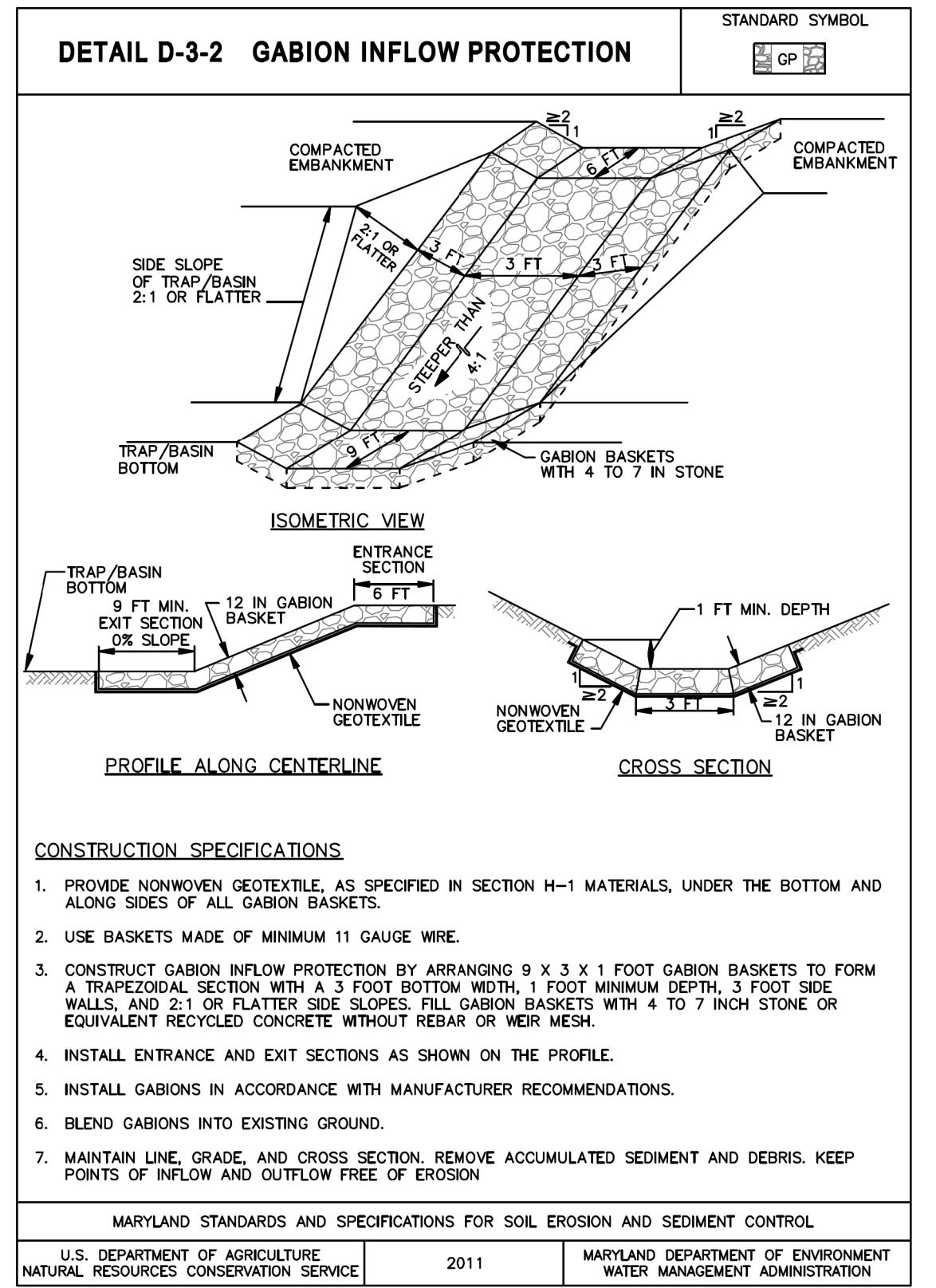
SUBMERGED GRAVEL WETLAND TYPICAL SECTION



CLEANOUT DETAIL NOT TO SCALE



OBSERVATION WELL DETAIL NOT TO SCALE

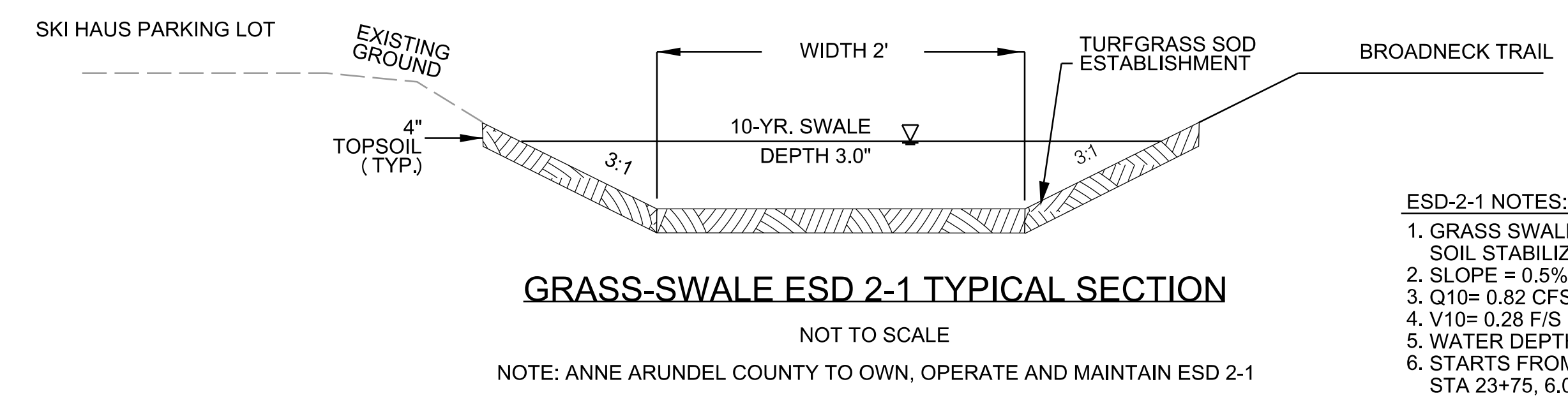
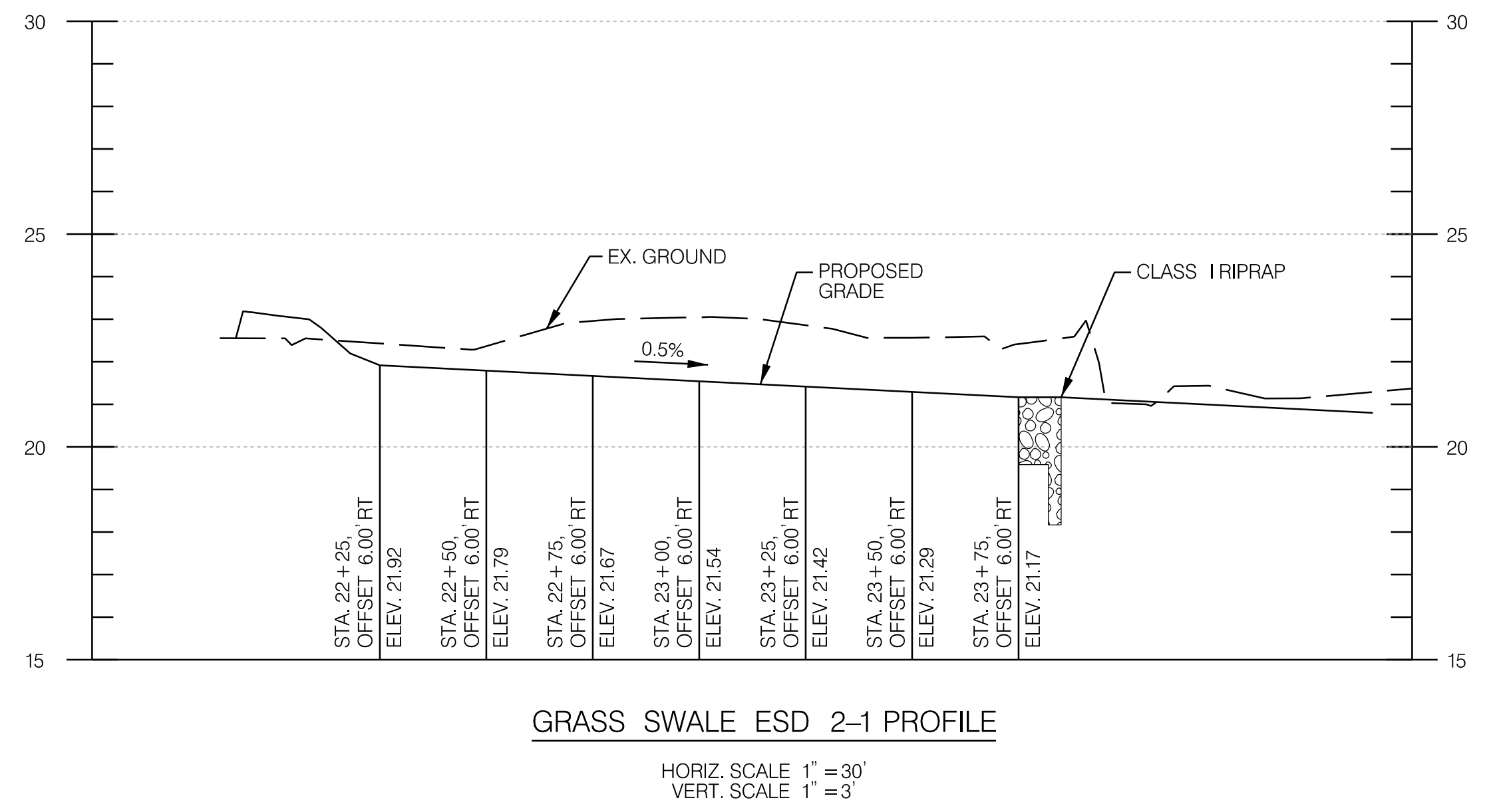


MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

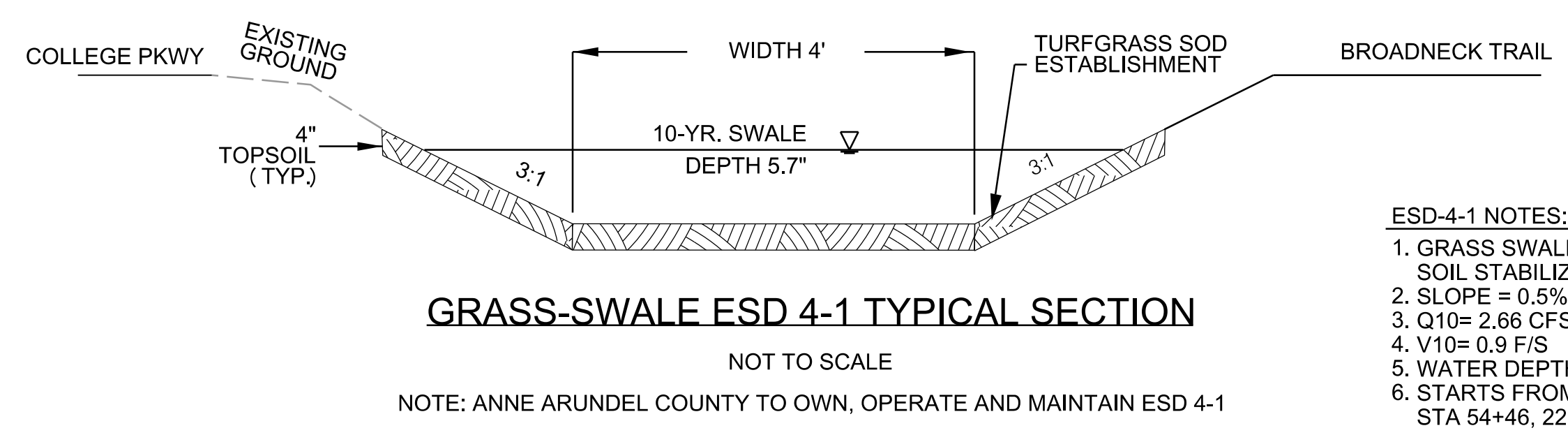
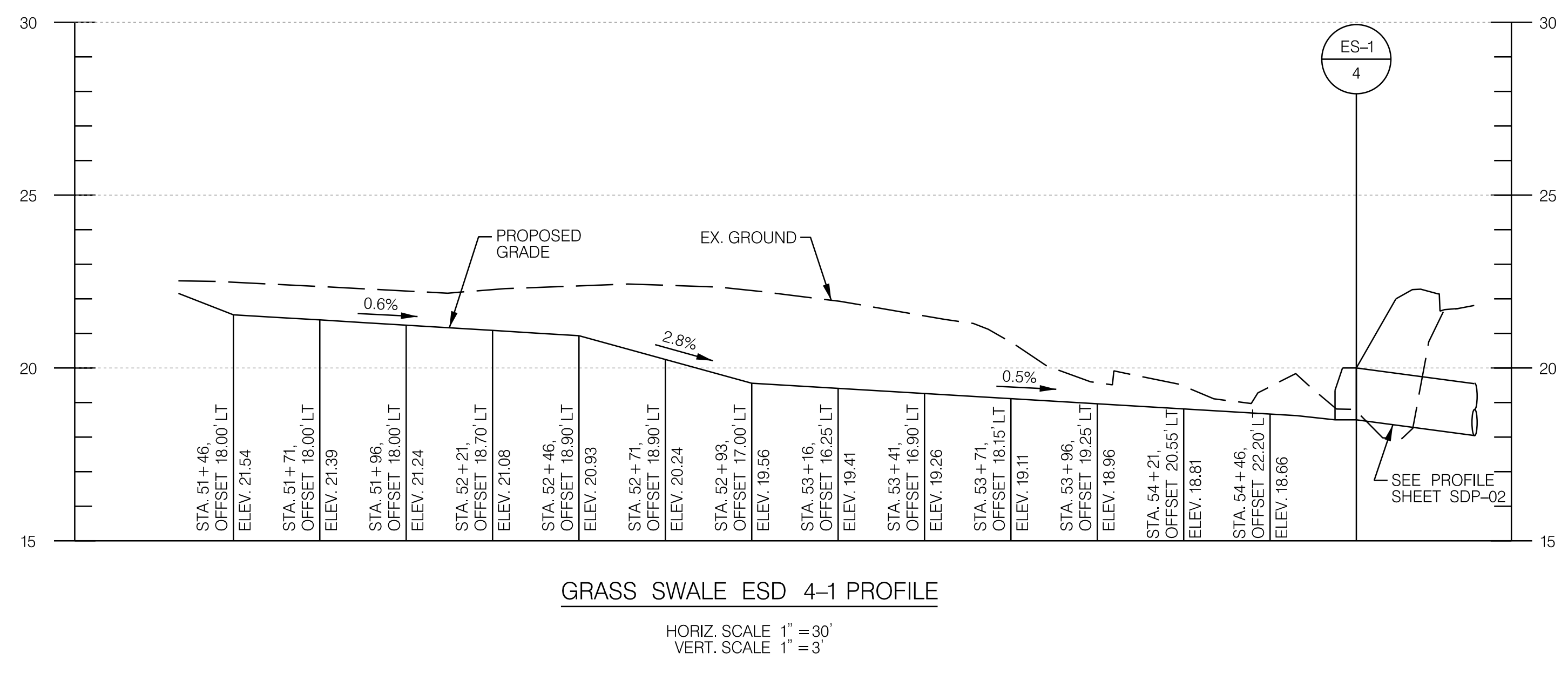
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION



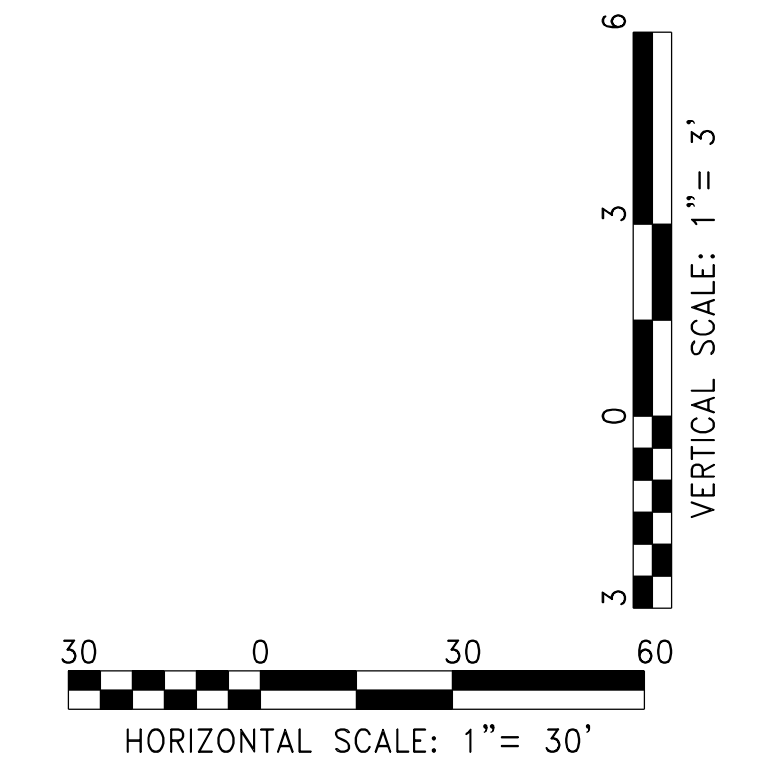
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BROADNECK PENINSULA TRAIL PHASE IB & V											
STORMWATER MANAGEMENT PLAN											



- ESD-2-1 NOTES:**
1. GRASS SWALE WITH TEMPORARY SOIL STABILIZATION MATTING (TYPE D)
 2. SLOPE = 0.5%
 3. Q10= 0.82 CFS
 4. V10= 0.28 F/S
 5. WATER DEPTH= 7.0 IN.
 6. STARTS FROM STATION 22+25, 6.00' RT TO STA 23+75, 6.00' RT



- ESD-4-1 NOTES:**
1. GRASS SWALE WITH TEMPORARY SOIL STABILIZATION MATTING (TYPE D)
 2. SLOPE = 0.5% - 2.8%
 3. Q10= 2.66 CFS
 4. V10= 0.9 F/S
 5. WATER DEPTH= 10.0 IN.
 6. STARTS FROM STATION 51+46, 18.00' LT TO STA 54+46, 22.20' LT



AECOM

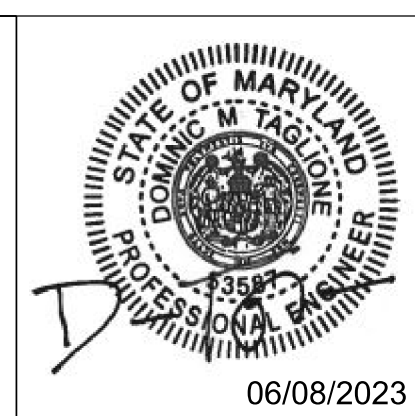
AECOM
4 NORTH PARK DRIVE
SUITE 300
HUNT VALLEY, MARYLAND 21030
PHONE: 410-785-7220
FAX: 410-785-6818

PROFESSIONAL CERTIFICATION

"I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."

MD LICENSE NUMBER: 53587

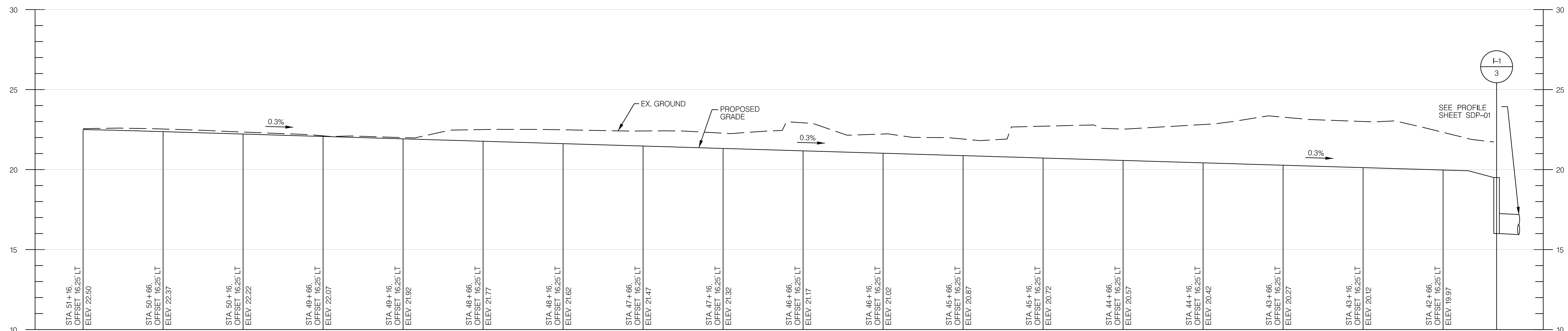
EXPIRATION DATE: 12-09-2024



REVISIONS			
NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 55 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	
BROADNECK PENINSULA TRAIL PHASE IB & V			
STORMWATER MANAGEMENT PLAN			

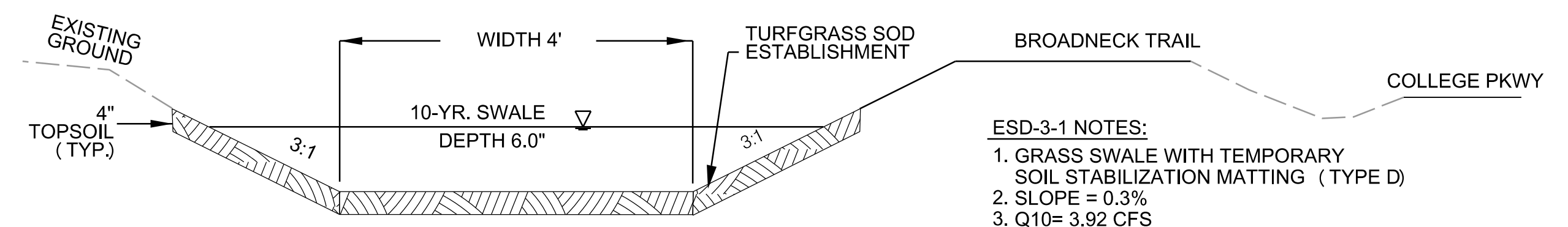
GP# G02018957 DWG. NO.: SW-03



GRASS SWALE ESD 3-1 PROFILE

HORIZ. SCALE 1" = 30'
VERT. SCALE 1" = 3'

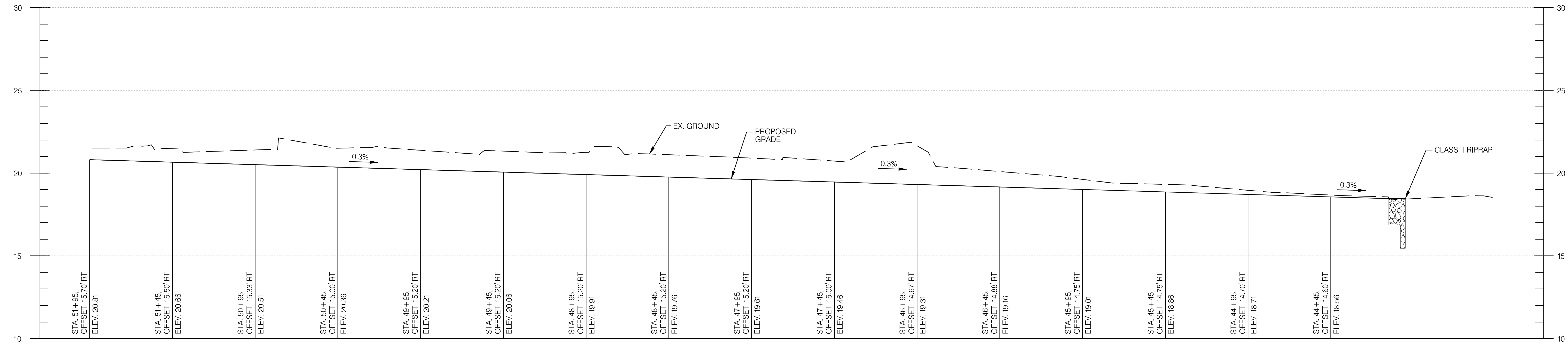
NOTE: ANNE ARUNDEL COUNTY TO OWN, OPERATE AND MAINTAIN ESD 3-1



GRASS-SWALE ESD 3-1 TYPICAL SECTION

NOT TO SCALE

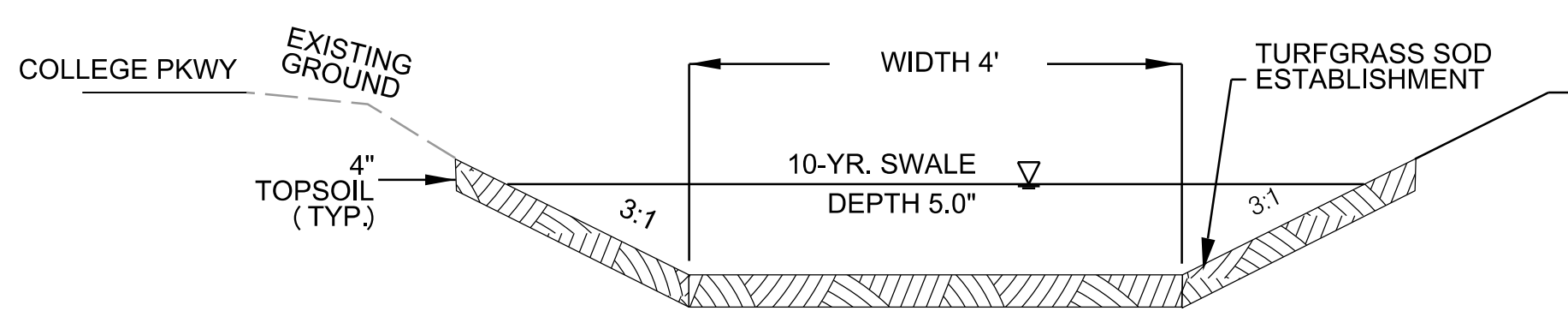
- ESD-3-1 NOTES:**
1. GRASS SWALE WITH TEMPORARY SOIL STABILIZATION MATTING (TYPE D)
 2. SLOPE = 0.3%
 3. Q10= 3.92 CFS
 4. V10= 0.45 F/S
 5. WATER DEPTH= 13.9 IN.
 6. STARTS FROM STATION 51+16, 22.50' LT TO STA 42+34, 16.25' LT



GRASS SWALE PROFILE ESD 3-2

HORIZ. SCALE 1" = 30'
VERT. SCALE 1" = 3'

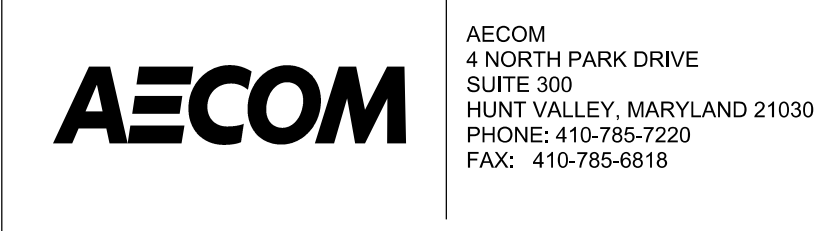
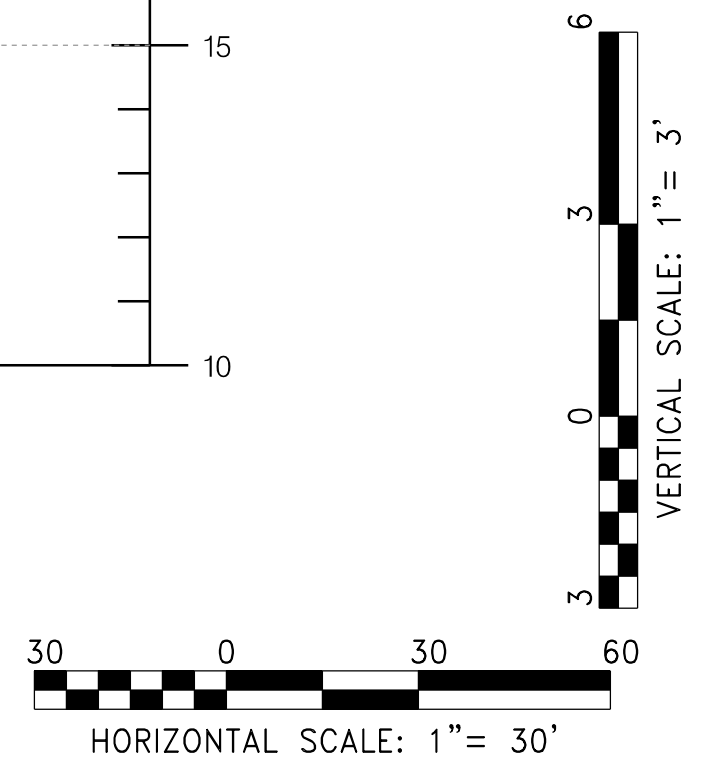
NOTE: ANNE ARUNDEL COUNTY TO OWN, OPERATE AND MAINTAIN ESD 3-2



GRASS-SWALE ESD 3-2 TYPICAL SECTION

NOT TO SCALE

- ESD-3-2 NOTES:**
1. GRASS SWALE WITH TEMPORARY SOIL STABILIZATION MATTING (TYPE D)
 2. SLOPE = 0.3%
 3. Q10= 2.81 CFS
 4. V10= 0.41 F/S
 5. WATER DEPTH= 11.7 IN.
 6. STARTS FROM STATION 51+95, 15.70' RT TO STA 44+45, 14.60' RT



PROFESSIONAL CERTIFICATION
I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-09-2024



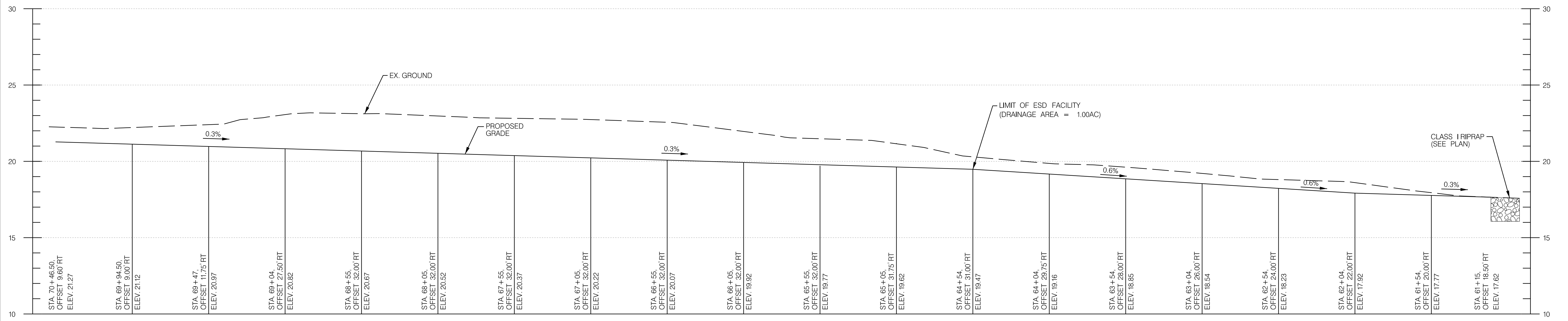
REVISIONS			
NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023	<i>[Signature]</i>	11/17/2023
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023	<i>[Signature]</i>	11/17/2023
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 56 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	

GP# G02018957

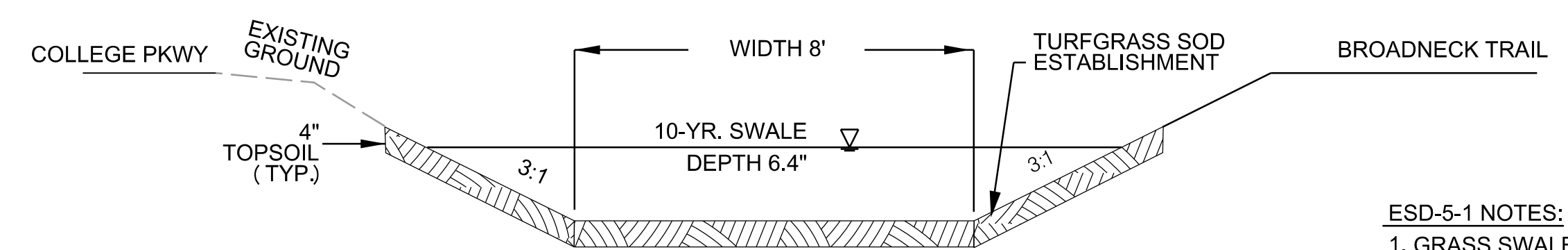
DWG. NO.: SW-04

BROADNECK PENINSULA TRAIL PHASE IB & V
STORMWATER MANAGEMENT PLAN



GRASS SWALE ESD 5-1 PROFILE

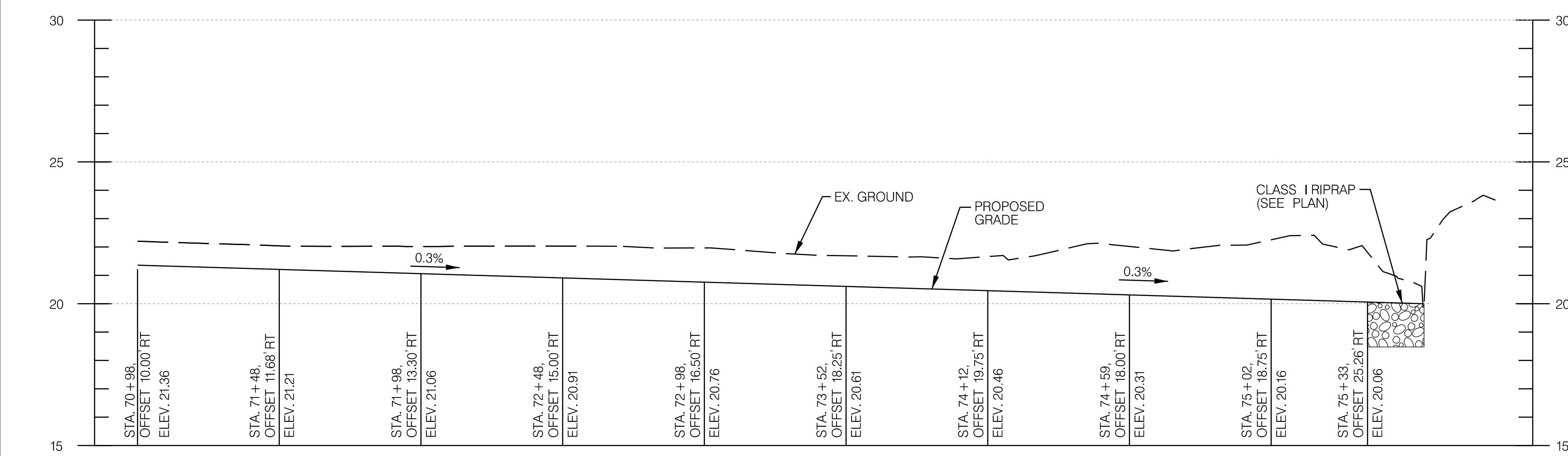
HORIZ. SCALE 1" = 30'
VERT. SCALE 1" = 3'



GRASS-SWALE ESD 5-1 TYPICAL SECTION

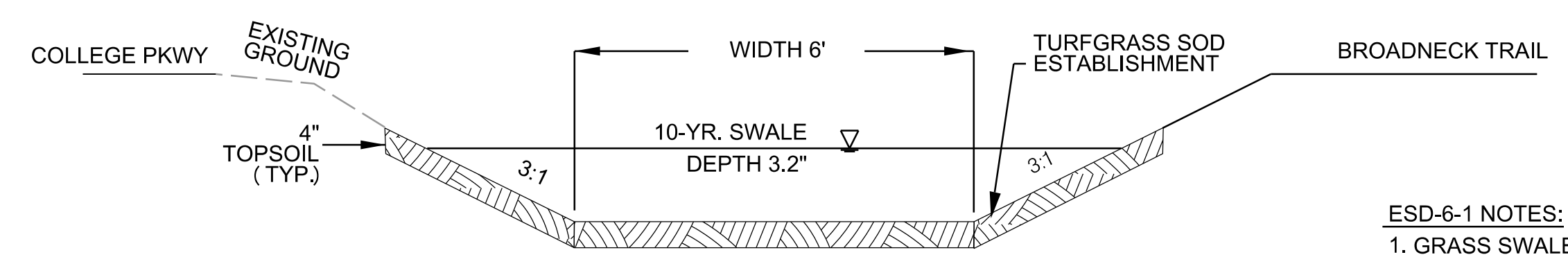
NOT TO SCALE
NOTE: ANNE ARUNDEL COUNTY TO OWN, OPERATE AND MAINTAIN ESD 5-1

- ESD-5-1 NOTES:
1. GRASS SWALE WITH TEMPORARY SOIL STABILIZATION MATTING (TYPE D)
 2. SLOPE = 0.3% - 0.6%
 3. Q10= 4.85 CFS
 4. V10= 0.57 F/S
 5. WATER DEPTH= 11.7 IN.
 6. STARTS FROM STATION 70+47, 9.60' RT TO STA 61+15, 18.50' RT



GRASS SWALE ESD 6-1 PROFILE

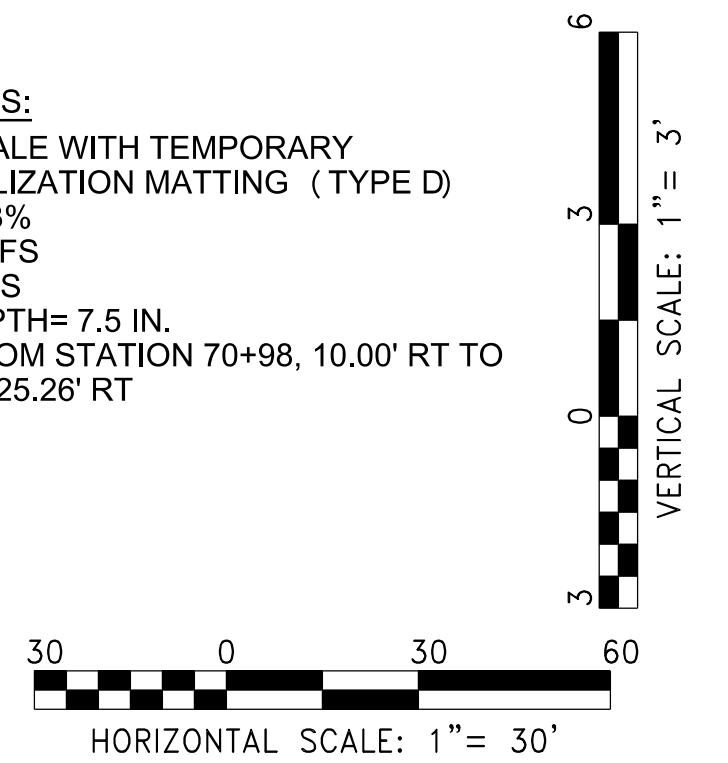
HORIZ. SCALE 1" = 30'
VERT. SCALE 1" = 3'



GRASS-SWALE ESD 6-1 TYPICAL SECTION

NOT TO SCALE
NOTE: ANNE ARUNDEL COUNTY TO OWN, OPERATE AND MAINTAIN ESD 6-1

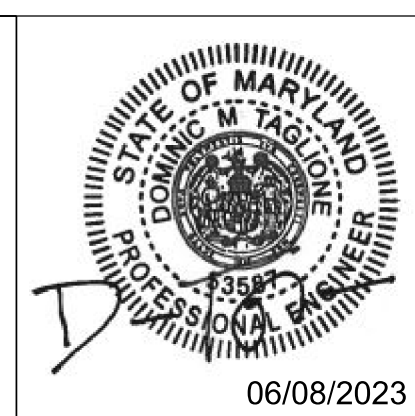
- ESD-6-1 NOTES:
1. GRASS SWALE WITH TEMPORARY SOIL STABILIZATION MATTING (TYPE D)
 2. SLOPE = 0.3%
 3. Q10= 1.65 CFS
 4. V10= 0.34 F/S
 5. WATER DEPTH= 7.5 IN.
 6. STARTS FROM STATION 70+98, 10.00' RT TO STA 75+33, 25.26' RT



AECOM

AECOM
4 NORTH PARK DRIVE
SUITE 300
HUNT VALLEY, MARYLAND 21030
PHONE: 410-785-7220
FAX: 410-785-6818

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MD LICENSE NUMBER: 53587
EXPIRATION DATE: 12-09-2024

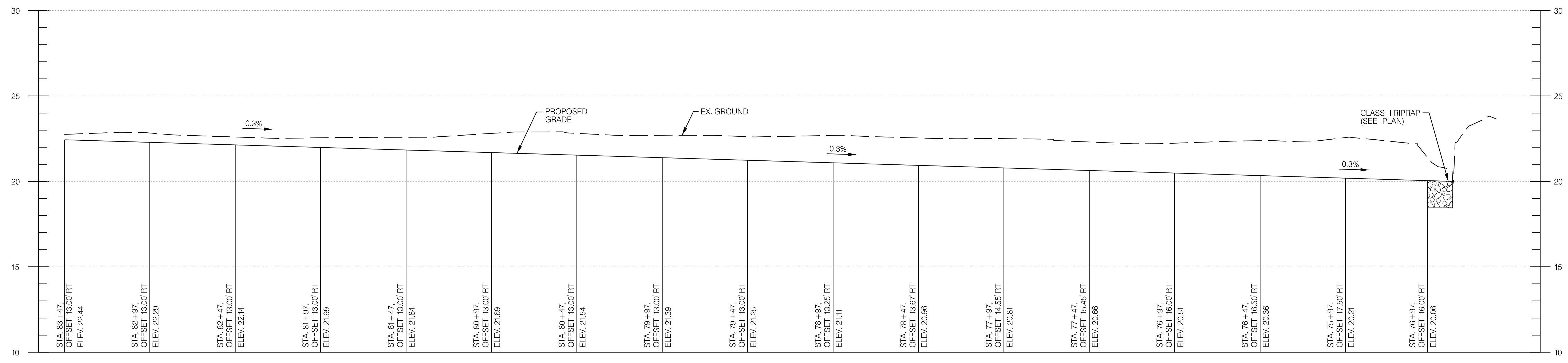


REVISIONS			
NO.	DESCRIPTION	BY	DATE

ANNE ARUNDEL COUNTY			
DEPARTMENT OF PUBLIC WORKS			
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/20/2023 08:59 EST	<i>[Signature]</i>	11/17/2023 08:00 EST
CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 57 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	

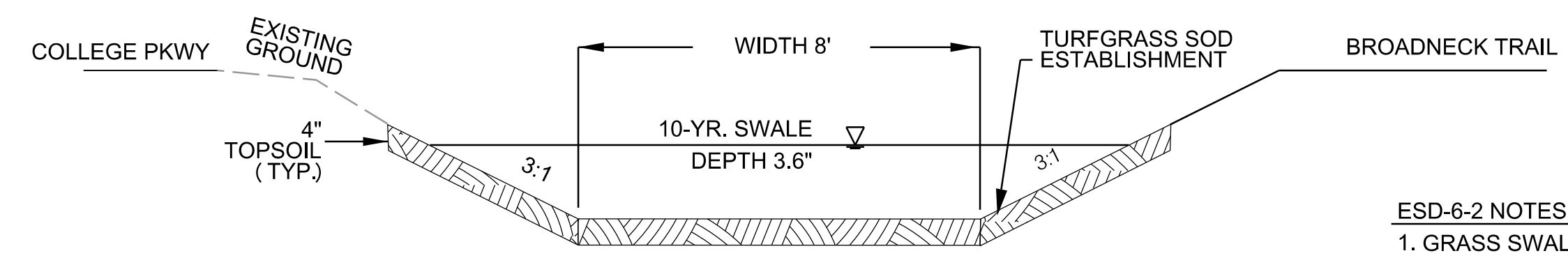
GP# G02018957 DWG. NO.: SW-05

STORMWATER MANAGEMENT PLAN



GRASS SWALE ESD 6-2 PROFILE

HORIZ. SCALE 1" = 30'
VERT. SCALE 1" = 3'

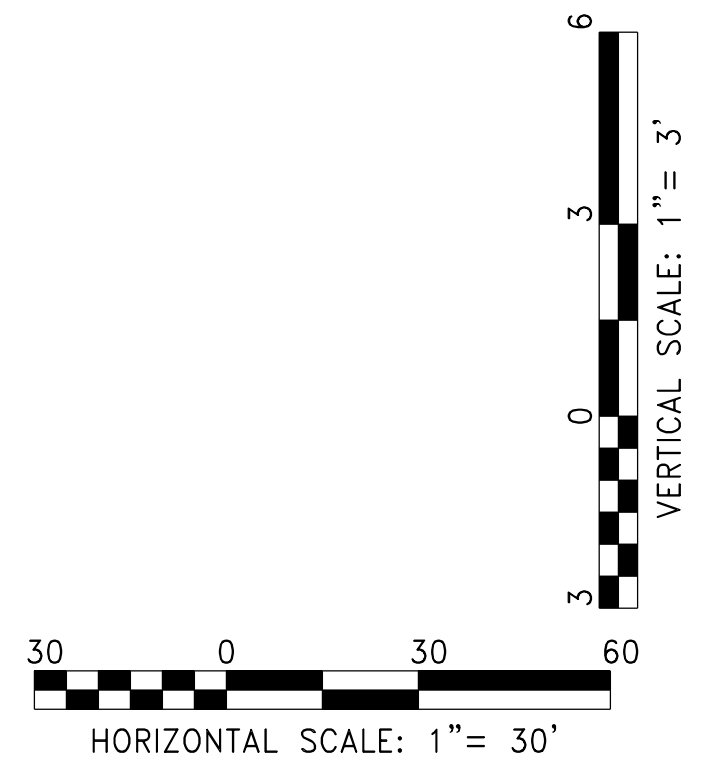


GRASS-SWALE ESD 6-2 TYPICAL SECTION

NOTE: ANNE ARUNDEL COUNTY TO OWN, OPERATE AND MAINTAIN ESD 6-2

ESD-6-2 NOTES:

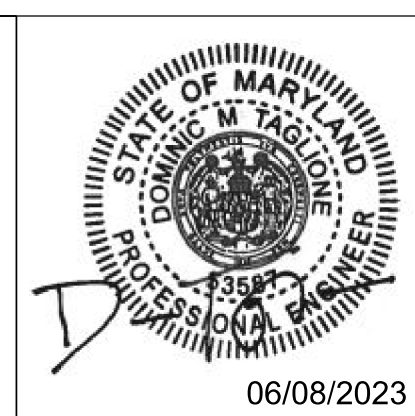
1. GRASS SWALE WITH TEMPORARY SOIL STABILIZATION MATTING (TYPE D)
2. SLOPE = 0.3%
3. Q10= 3.03 CFS
4. V10= 0.39 F/S
5. WATER DEPTH= 9.1 IN.
6. STARTS FROM STATION 83+47, 13.00' RT TO STA 76+97, 16.00' RT



GP# G02018957 DWG. NO.: SW-06

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4 NORTH PARK DRIVE
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HUNT VALLEY, MARYLAND 21030
PHONE: 410-785-7220
FAX: 410-785-6818

PROFESSIONAL CERTIFICATION
*I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
MD LICENSE NUMBER: 53587
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REVISIONS			
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DEPARTMENT OF PUBLIC WORKS			
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CHIEF ENGINEER		PROJECT MANAGER	
APPROVED	DATE	APPROVED	DATE
<i>[Signature]</i>	11/17/2023 11:56 EST	<i>[Signature]</i>	11/17/2023 18:30 EST
ASSISTANT CHIEF ENGINEER		CHIEF, RIGHT OF WAY	
SCALE: AS NOTED		DRAWN BY: DMT	
CHECKED BY: DMT		SHEET NO. 58 OF 116	
PROJECT NO. P504100		CONTRACT NO. P504105	
BROADNECK PENINSULA TRAIL PHASE IB & V			
STORMWATER MANAGEMENT PLAN			