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## **STANDARD RESPONSIBILITY NOTES**

1. I (We) certify that:

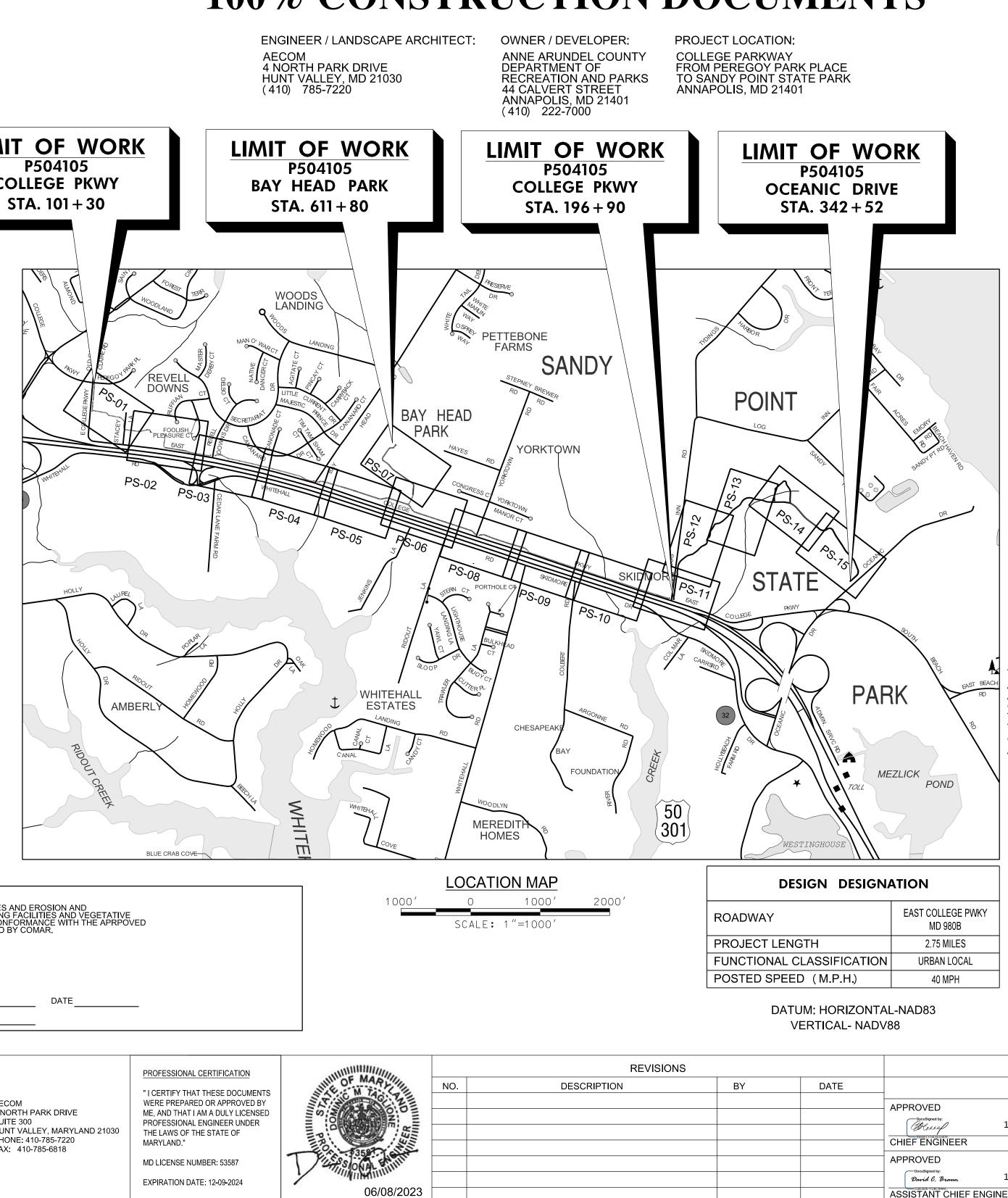
- a. All development and construction will be done in accordance with this sediment and erosion control plan, and further, authorize the right of entry for periodic on-site evaluation by the Anne Arundel Soil Conservation District (AASCD) Board of Supervisors or their authorized
- b. Any responsible personnel involved in the construction project will have a certificate of attendance from the Maryland Department of the Environment's approved training program for the control of sediment and erosion before beginning the project.

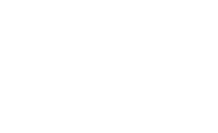
Responsible personnel on site:

- c If applicable, the appropriate enclosure will be constructed and maintained on sediment basin(s) included in this plan. Such structure(s) will be in compliance with the Anne Arundel County Code.
- 2. The developer is responsible for the acquisition of all easements, right, and/or rights-of-way that may be required for the sediment and erosion control practices, storm water management practices and the discharge of storm water onto or across adjacent or downstream properties included in the plan.
- 3. For initial soil disturbance or re-disturbance, permanent and/or temporary stabilization per the AASCD Vegetative Establishment shall be completed within three calendar days for the surface of all controls, dikes, swales, ditches, perimeter slopes and all slopes greater than 3 horizontal to 1 vertical (3:1); and seven days for all other disturbed or graded areas on the project site.
- 4. The grading and sediment control approval on this plan extends only to those areas within the limits of disturbance.
- 5. The approval of this plan for sediment and erosion control does not relieve the developer/consultant from complying with Federal, State or County requirements pertaining to environmental issues. 6. The developer must request that the sediment and erosion control inspector approve work completed in accordance with the approved erosion and sediment control plan, the grading or building permit,
- and the ordinance. 7. All material shall be taken to a site with an approved sediment and erosion control plan.
- 8. First phase inspection and approval of the sediment and erosion control inspector shall be required upon completion of the installation of erosion and sediment controls prior to proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until the initial approval by the sediment and erosion control inspector is given. Inspection and Permits may also require that an inspection and certification of the installation of sediment control also be performed by a design professional prior to construction commencing.
- 9. Approval from the inspector must be requested on final stabilization of all sites prior to removal of sediment and erosion controls.
- 10. Existing topography must be field verified by responsible personnel to the satisfaction of the sediment control inspector prior to commencing work.

Date		iD
STRATOR DUNTY DPW POLIS, MD 21401 y.org		RIDOUT CREE
DGE, INFORMATION, AND BELIEF, THAT WN HEREON HAS BEEN CORRECTLY THIS PROJECT HAS BEEN CAREFULLY AVAILABLE UNDERGROUND UTILITY M THEM. 53587 P.E. No.		RUCTURES AND EROSION AND INCLUDING FACILITIES AND VEGET ED IN CONFORMANCE WITH THE A REQUIRED BY COMAR.
12-09-2024	SIGNATURE	DATE
DATE	NAME	
E INTO THIS SITE FROM UPGRADE COPERTIES HAS BEEN ADDRESSED IN 53587		AECOM 4 NORTH PARK DRIVE
P.E. No.		SUITE 300 HUNT VALLEY, MARYLAND 21
F.E. NO.		PHONE: 410-785-7220
	DUNTY DPW OLIS, MD 21401 A.org DGE, INFORMATION, AND BELIEF, THAT WN HEREON HAS BEEN CORRECTLY THIS PROJECT HAS BEEN CAREFULLY AVAILABLE UNDERGROUND UTILITY AVAILABLE UNDERGROUND UTILITY ATHEM. 53587 P.E. No. 12-09-2024 DATE E INTO THIS SITE FROM UPGRADE OPERTIES HAS BEEN ADDRESSED IN 53587	DUNTY DPW         OLIS, MD 21401         /.org         //.org         //.org

LIMIT OF WORK P504105 COLLEGE PKWY





# **ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WOR BROADNECK PENINSULA TRAIL-PHAS PROJECT NO. P504100 CONTRACT NO. P504105 100% CONSTRUCTION DOCUMENTS**

7		TRAFFIC STANDARDS
	CONTROL) ARE REQUIR BELOW):	ED FOR THIS PROJECT (LIST THEM OUT AS SHOWN
RKS	B. MD-104.02-01 - SHOU C. MD-104.02-09 - FLAGO	ED ROADWAY CONSTRUCTION LDER WORK / 2-LANE, 2-WAY GREATER THAN 40MPH GING OPERATION / 2-LANE, 2-WAY GREATER THAN 40MPH SECTION FLAGGING OPERATION 2-LANE, 2-WAY GREATER
E IB & V	TO THE BOOK OF STAN	EFERRED TO ON THE PLANS THE CONTRACTOR MUST GO DARDS WHICH WILL HAVE THE MOST CURRENT VERSION. RDS CAN BE ACCESSED AT:
		RYLAND.GOV/BUSINESSWITHSHA/BIZSTDSSPECS/ JBLICATIONSONLINE/OHD/BOOKSTD/INDEX.ASP
UTILITY INFORMATION		ONSTRUCTED IN ACCORDANCE WITH THE CURRENT RENCED STANDARD AT THE TIME OF CONSTRUCTION.
THE LOCATIONS OF EXISTING UTIL	ITIES SHOWN	ENVIRONMENTAL INFORMATION
ON THE PLANS ARE FOR INFORMA ONLY. NO GUARANTEE IS MADE A OF SAID LOCATIONS.	TION AND GUIDANCE	AASCD #2021-0281 GRADING PERMIT #G02018957
VERIFICATION OF THE LOCATION, OF UTILITY LINES (BOTH EXISTING TO BE RELOCATED) SHALL BE PE THE CONTRACTOR PRIOR TO THE OF CONSTRUCTION ACTIVITIES. OUTFALL STATEMENTS	G AND THOSE RFORMED BY	WATER QUALITY: PROJECT REQUIRES 3.52 AC. OF IMPERVIOUS AREA TO BE TREATED. WATER QUALITY WILL BE PROVIDED IMPLEMENTATION OF ENVIRONMENTAL SENSITIVE DESIGN (ESD) TO THE MAXIMUM EXTENT PRACTICABLE (MEP) VIA COMBINATION OF GRASS SWALES, BIOSWALES, SUBMERGED GRAVEL WETLAND AND NON-ROOFTOP VEGETATIVE DISCONNECTS.
SEE SHEET SWD-01 SEQUENCE OF CONSTRU SEE EROSION & SEDIMENT CONTR		WATER QUANTITY: REQUIRED CHANNEL PROTECTION VOLUME WILL BE PROVIDED VIA ESDS TO THE MEP. 2
<ul> <li>GENERAL NOTES</li> <li>1. CONDUCT A PRE-CONSTRUCT OF INSPECTIONS AND PERMIT COMMENCING WORK AT (410 UNTIL THE PERMITTEE OR TH ON SITE WITH THE SEDIMENT REVIEW THE APPROVED PLAN</li> <li>2. ALL CONSTRUCTION SHALL B OF MDOT-SHA STANDARD SPECIFIC ARUNDEL COUNTY DEPARTM</li> <li>3. NECESSARY PRECAUTIONS S EXISTING SERVICES AND MAI MAINS DUE TO THEIR NEGLIG CONTRACTOR'S EXPENSE.</li> <li>4. THE EXISTING UTILITIES AND AVAILABLE RECORDS AND SH SATISFACTION BEFORE STAR ANNE ARUNDEL COUNTY DEP THE COMPLETENESS OR THE</li> <li>5. IT SHALL BE DISTINCTLY UND MENTION ANY WORK WHICH OF PROJECT SHALL NOT RELIEVE PERFORM SUCH WORK.</li> <li>6. THE CONTRACTOR SHALL NO PRIOR TO STARTING CONSTR NOTIFY MISS UTILITY@ 1-800- STARTING WORK SHOWN ON</li> </ul>	IS AT LEAST 48 HOURS B ) -222-7780. WORK MAY E RESPONSIBLE PERSON AND EROSION CONTROL NS, CONTAINED HEREIN. E DONE IN ACCORDANCE ECIFICATIONS FOR CONS CATIONS AND DETAILS FO ENT OF PUBLIC WORKS. HALL BE TAKEN BY THE ON NS. ANY DAMAGE TO EXI ENCE SHALL BE REPAIRE OBSTRUCTIONS SHOWN IALL BE VERIFIED BY THE TING CONSTRUCTION. NO ARTMENT OF PUBLIC WO CORRECTNESS OF THE ERSTOOD THAT FAILURE MOULD NORMALLY BE RE E THE CONTRACTOR OF I TIFY ALL UTILITY COMPA SUCTION OF THIS PROJEC 257-7777 FIVE (5) WOR	EFORE NOT COMMENCE INEL HAVE MET INEL HAVE MET INSPECTOR TO WITH THE LATEST EDITION STRUCTION AND MATERAILS OR CONSTRUCTION OF ANNE CONTRACTOR TO PROTECT ISTING SERVICES AND ED IMMEDIATELY AT THE ARE FROM THE BEST CONTRACTOR TO HIS OWN EITHER THE OWNER NOR ORKS WARRANT OR GUARANTEE INFORMATION GIVEN. TO SPECIFICALLY EQUIRED TO COMPLETE THE HIS RESPONSIBILITY TO NIES AT LEAST 5 DAYS OT. THE CONTRACTOR SHALL
<ul> <li>7. ALL UTILITY POLES SHALL BE EXPENSE. ANY DAMAGE TO U CONTRACTOR'S EXPENSE.</li> <li>8. PIPE ELEVATIONS REFER TO I</li> <li>9. ALL STORM DRAIN PIPES ARE OTHERWISE NOTED.</li> <li>10. SEE DWG. NO. ESN-02 FOR TH</li> </ul>	BRACED AS NECESSARY JTILITY POLES SHALL BE INVERTS UNLESS OTHER REINFORCED CONCRET	REPLACED AT THE WISE NOTED. E PIPE (RCP) UNLESS
AREA DISTURBED AREA TO BE ROOFED OR PAVED TOTAL CUT TOTAL FILL OFFSITE WASTE/BORROW AREA LOCATION (IF KNOWN) * NOTE: ALL MATERIAL REMOVED IN TAKEN TO A SITE WITH AN APPROV AND SEDIMENT CONTROL PLAN.	VED EROSION	D Anne Arundel Soil Conservation District
AS-BUILT CERTIFIC         "I HEREBY CERTIFY THAT THE STORMW         PRACTICES SHOWN ON THE PLANS AND         BELOW HAVE BEEN CONSTRUCTED IN A         PLANS INCLUDED UNDER ANNE ARUNDE         WORKS APPROVAL NUMBER P504102 EX         ON THE "AS BUILT" DRAWINGS"         Y         MARYLAND REGISTRATION #	GNATURE	
	TE ONSITE INSPECTIONS AND	GP# G02018957 DWG. NO.: TI-01
	ANNE ARUNDEL COUNTY	
DEPA	ARTMENT OF PUBLIC WO	DRKS

DEPARTMENT OF PUBLIC WORKS							
DATE	APPROVED	DATE	SCALE: AS NOTE	D	BROADNECK PENINSULA TRAIL		
11/20/2023   08:5	9 EST Jule autry	11/17/2023   08:0	ÐRATVN BY:	DMT	PHASE IB & V		
	PROJECT MANAGER		CHECKED BY:	DMT			
DATE	APPROVED	DATE	SHEET NO.	01_OF 116			
11/17/2023   11:5	6 EST Tom Burke	11/17/2023   18:3	PROJECT NO.	P504100	TITLE SHEET		
EER	CHIEF, RIGHT OF WAY		CONTRACT NO.	P504105			

## **GENERAL NOTES**

- 1. THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN ARE FROM THE BEST AVAILABLE RECORDS, AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICE MAINS. ANY DAMAGE TO THEM SHALL BE REPAIRED IMMEDIATELY AT NO ADDITIONAL COST TO ANNE ARUNDEL COUNTY OR THE SHA.
- 2. UTILITY RELOCATION WILL BE PERFORMED BY OTHERS UNLESS NOTED OTHERWISE IN THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF HIS CONSTRUCTION WITH THE CONSTRUCTION OF OTHER CONTRACTORS (INCLUDING BUT NOT LIMITED TO BG&E, VERIZON, AND CABLE TV UTILITY) .
- 3. THE CONTRACTOR SHALL CALL "MISS UTILITY" 1-800-257-7777 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION.
- 4. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NATURALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.
- 5. THE CONTRACTOR SHALL NOTIFY THE ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS (410) 222-4126, AT LEAST FOURTEEN (14) DAYS PRIOR TO BEGINNING CONSTRUCTION.
- 6. GRID COORDINATES ARE BASED ON THE MARYLAND STATE PLANE COORDINATE SYSTEM NAD 83/91. VERTICAL ELEVATIONS ARE BASED UPON NAVD 88.
- 7. THE CONTRACTOR SHALL ADJUST MANHOLES, WATER METERS, WATER VALVES, HAND BOXES, AND OTHER APPURTENANCES TO FINAL GRADE. THE COST OF PERFORMING THESE ACTIVITIES SHALL BE INCIDENTAL TO THE CONTRACT PRICE PAID FOR VARIOUS PAVEMENT ITEMS.
- 8. UNLESS OTHERWISE NOTED, PIPE ELEVATIONS REFER TO THE PIPE INVERT.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY EXISTING LIGHT POLES, TRAFFIC BARRIER, SIGNS, ETC., DAMAGED BY HIM DURING CONSTRUCTION.
- 10. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ENGINEER OF ANY DEVIATION TO THIS PLAN PRIOR TO ANY FIELD CHANGES BEING MADE. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR ANY FIELD CHANGES OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER.
- 11. ALL WORK SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" ISSUED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AND AMENDMENTS BY THE ANNE ARUNDEL SOIL CONSERVATION DISTRICT, CONTAINED HEREIN AND THE 2008 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS ISSUED BY THE MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION.
- 12. THE DESIGN FOR THIS PROJECT INCORPORATES FACILITIES FOR THE ELDERLY AND HANDICAPPED IN COMPLIANCE WITH STATE AND FEDERAL LEGISLATION.
- 13. WHERE CURB AND GUTTER ENDS ARE EXPOSED, PROVIDE A NOSE DOWN SECTION AT 3:1 SLOPE.
- 14. IN PAVEMENT AND GRAVEL REMOVAL AREAS, THE CONTRACTOR SHALL REMOVE ALL PAVING AND BASE MATERIALS, BACKFILL WITH COMMON BORROW MATERIAL AND 4" OF TOPSOIL, SEED AND MULCH. THE AREA SHALL BE GRADED TO DRAIN.
- 15. MATERIAL REMOVED DURING CONSTRUCTION SHALL BECOME THE CONTRACTOR'S PROPERTY UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIAL PROVISIONS.
- 16. STORM DRAIN AND UTILITY INSTALLATION IN EXISTING PAVEMENT SHALL BE IN ACCORDANCE WITH MD STD. 578.01
- 17. SUBGRADE DRAINS SHALL BE PLACED WHEN WET SUBGRADE IS ENCOUNTERED AND AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL USE CIRCULAR PIPE UNDERDRAIN OUTLET TO CONNECT ALL EXISTING AND PROPOSED SUBGRADE DRAIN AND PERFORATED CIRCULAR PIPE UNDERDRAIN TO PROPOSED INLETS.
- 18. ALL INVERT ELEVATIONS ARE APPROXIMATE. INVERT ELEVATIONS OF INLETS AND PIPES MAY BE MODIFIED AS DIRECTED BY THE ENGINEER TO MEET CONDITIONS ENCOUNTERED DURING INSTALLATION OF DRAINAGE STRUCTURES. ALL PIPES AND DITCHES SHALL BE CONSTRUCTED ON A UNIFORM GRADE BETWEEN INVERT ELEVATIONS NOTED ON THE PLANS, UNLESS INDICATED OTHERWISE ON THE PLANS OR DETAILS OR AS DIRECTED BY THE ENGINEER. THE LOCATION AND LENGTH OF PIPE SHALL BE VERIFIED BY THE CONTRACTOR BEFORE ORDERING.
- 19. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF MDOT-SHA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS AND THE STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION OF ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS, CONTAINED HEREIN UNLESS OTHERWISE NOTED.
- 20. CONTRACTOR MUST HAND DIG NEAR EXISTING UNDERGROUND UTILITIES WITH LESS THAN OR EQUAL TO 3.0 FEET CLEAR DISTANCE.
- 21. EXISTING OVERHEAD AND UNDERGROUND POWER LINES ARE IN THE VICINITY OF THE PROJECT. AT NO TIME WILL THE POWER BE PERMITTED TO BE SHUT OFF. AT ALL TIMES DURING CONSTRUCTION, THE CONTRACTOR SHALL COMPLY ABSOLUTELY WITH THE MARYLAND HIGH VOLTAGE ACT. IT IS THE CONTRACTOR'S OBLIGATION TO VERIFY THE EXISTING LOCATION OF THE POWER LINES IN THE FIELD AND TO MAINTAIN AND ENFORCE CLEARANCE REQUIREMENTS SPECIFIED IN THE ACT.
- 22. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

SURVEY BASE LINE ..... WOODS OR SHRUBBERY TREE ..... HEDGE ..... EXISTING FENCE CURB OR CURB AND G EXISTING TRAFFIC BARF EXISTING SHOULDER AN LIGHT POLE ..... ELECTRIC BOX TRAFFIC SIGN ..... FIRE HYDRANT..... EXISTING GRASS DITCH EXISTING RIPRAP DITCH EXISTING CONCRETE DIT EXISTING CULVERT ..... STORM DRAIN WITH INLE WATER LINE ..... WATER VALVE ..... GAS LINE ELECTRIC CONDUIT ..... TELEPHONE CONDUIT. WETLAND AREA ..... WETLAND BUFFER ..... 100 YEAR FLOOD PLAI SANITARY SEWER LINE HISTORIC BOUNDARY \_ EXISTING TRAFFIC FLOW CABLE TV ..... UTILITY POLE RIGHT OF WAY . STREAM ...



## SYMBOL LEGEND

.32

<u>EXISTING</u>			
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EX. VERIZON
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PROPOSED

BASELINE CONSTRUCTION	10 F
LIMIT OF CUT	⊢ —
LIMIT OF FILL	<b></b>
LIMIT OF DISTURBANCE	
PROPOSED TRAFFIC FLOW	
PAVEMENT REMOVAL	$\square$
CURB AND GUTTER	

PIPE WITH INLET AND MANHOLE	
PIPE TO BE REMOVED	
SIDE DITCH OR SURFACE DRAIN DITCH	
DRAINAGE STRUCTURE IDENTIFICATION NUMBER	$\frac{(IN-1)}{1}$
LONGITUDINAL UNDERDRAIN	
CONCRETE TRAFFIC BARRIER	
FENCE	XXX
LIMITS OF WOODLAND CLEARING	
PROPOSED PIPE	18"
PROPOSED TRAFFIC BARRIER - W BEAM	<del></del>
PLAN LOCATION OF SOIL BORING	lacksquare
TEST HOLE	
PROPOSED RIPRAP	620000000000000000000000000000000000000
NOT IN CONTRACT (N.I.C.)	NIC

## SURVEY NOTES

- 1. THE TOPOGRAPHIC INFORMATION SHOWN ON THE PLANS IS A COMBINATION OF THE FOLLOWING: AACOUNTY PERFORMED SURVEY ALONG EAST COLLEGE PKWY, RK&K PERFORMED SURVEY, 2001 AERIAL PERFORMED SURVEY WHERE APPLICABLE, AND COUNTY GIS DATA TO SUPPLEMENT AREAS OUTSIDE THE SURVEY LIMIT
- SURVEY HORIZONTAL CONTROL: NAD83/91
- 3. SURVEY VERTICAL CONTROL: NAVD 88
- 4. SURVEY WAS PROVIDED BY THE COUNTY AND COORDINATES AND ELEVATIONS SHOWN HEREON ARE BASED ON THE FOLLOWING SURVEY CONTROL STATIONS:

CAPE (AACO) NORTHING 499654.887 EASTING 1471659.189 ELEVATION 34.75'

2179 (AACO) NORTHING 494348.600 EASTING 1475406.824 ELEVATION 24.09'

2181 (AACO) NORTHING 496144.905 EASTING 1473936.126

CAPE-AZ (AACO) NORTHING 500015.989 EASTING 1471744.669 ELEVATION 35.06'

2180 (AACO) NORTHING 494032.963 EASTING 1476497.784 ELEVATION 17.30'

ELEVATION 22.37'

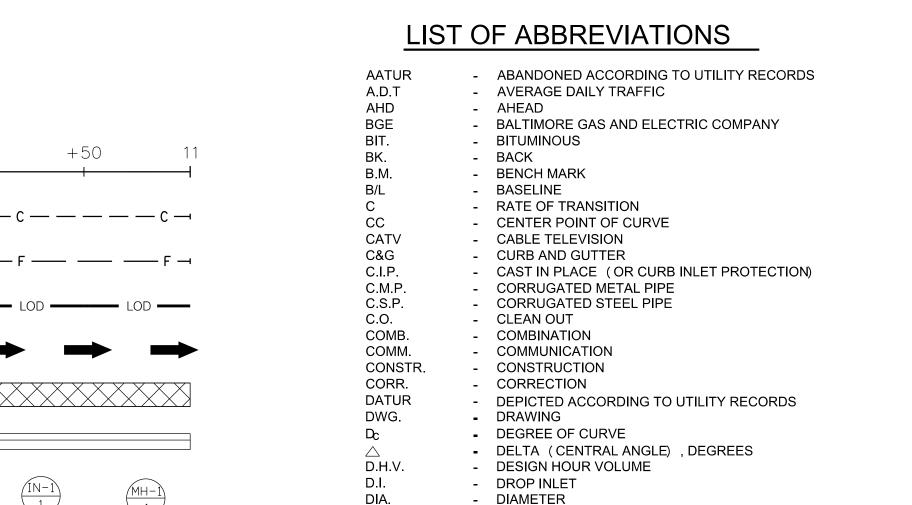
NOTE: EXISTING UNDERGROUND UTILITIES DEPICTED WITHIN THIS SET OF PLAN ARE DEVELOPED USING RECORD DRAWINGS FROM RESPECTIVE UTILITY COMPANIES AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY. THE UTILITIES SHOWN HEREIN MAY BE INACCURATE OR INCOMPLETE THE LOCATIONS AND DEPTHS OF ALL EXISTING UNDERGROUND UTILITIES ARE TO BE VERIFIED BY THE CONTRACTOR PRIOR TO START OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE IN COORDINATION WITH THE AFFECTED UTILITY COMPANIES.

		REVISIONS					
MARY	NO.	DESCRIPTION	BY	DATE			
					APPROVED DecuSigned by: CHIEF ENGINEER APPROVED DecuSigned by: DecuSigned by: DecuSigned by: DecuSigned by: DecuSigned by:		
06/08/2023					ASSISTANT CHIEF		

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



DESIGN SPEED

- END STRUCTURE

- END OF INFORMATION

- ENDWALL OR EACH WAY

- END OF RECORD INFORMATION

- ELLIPTICAL REINFORCED CEMENT CONCRETE PIPE

ELECTRIC

EXISTING

- EASTBOUND

D.S.

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EOI

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EW

EORI

ERCCP

EX., EXIST.

## *#1= ## = #1=* = **-----**(IN-1) \_\_\_\_X\_\_\_\_X 18"

N.I.C.

EX., EXIST.	-	
F.O. F.S.	-	FIBER OPTIC FULL SUPER
GA.	-	GAUGE OR GAGE
G.H.C.	_	GAS HOUSE CONNECTION
G.V.	-	GAS VALVE
HDWL.	-	HEADWALL
HERCCP	-	HORIZONTAL ELLIPTICAL REINFORCED CEMENT CONCRETE PIPE
H.H.	-	HANDHOLE
HMA	-	HOT MIX ASPHALT
H.S.D.	-	HEADLIGHT SIGHT DISTANCE
H.P.	-	HIGH POINT
I	-	INLET
INV.	-	INVERT
L	-	
L.P. L.S.	-	LOW POINT (OR LIGHT POLE) LEVEL SECTION
L.S. LT.	-	LEFT
M.B.	-	MAIL BOX
MD.	_	MARYLAND
MDE	_	MARYLAND DEPARTMENT OF THE ENVIRONMENT
M.H.	_	MANHOLE
N/A	_	NOT APPLICABLE
NO.	-	NUMBER
N.S.	-	NORMAL SECTION
O.C.	-	ON CENTER
O/S	-	OFFSET
P.C.	-	POINT OF CURVE
P/C	-	POINT OF CROWN
P.C.C.	-	POINT OF COMPOUND CURVE OR PORTLAND CEMENT CONCRETE
P/G.E.	-	PROFILE GRADE ELEVATION
P.G.L.	-	
P./G.L. P.H.	-	PROFILE GROUND LINE
Р.н. Р.I.	-	PUNCH HOLE POINT OF INTERSECTION
P.O.C.	-	
P.O.T.	_	
P/R		POINT OF ROTATION
P.R.C.		POINT OF REVERSE CURVATURE
P.T.		POINT OF TANGENT
P.V.C.	-	POINT OF VERTICAL CURVE ( OR POLYVINYL CHLORIDE)
P.V.I.	-	POINT OF VERTICAL INTERSECTION
PVMT.	-	PAVEMENT
P.V.T.	-	POINT OF VERTICAL TANGENCY
R	-	RADIUS
R.C.C.P.	-	
REF.		REFERENCE
ROW	-	RIGHT-OF-WAY REVERTIBLE SLOPE EASEMENT
R.S.E. RT.	-	RIGHT
RTE.	-	
R/W	_	RIGHT OF WAY
SAN.	_	SANITARY
S.D.	-	STORM DRAIN
S/E	-	SUPER ELEVATION
S.H.A.	-	STATE HIGHWAY ADMINISTRATION
SMH.	-	SEWER MANHOLE
S.S.D.	-	STOPPING SIGHT DISTANCE
STA.	-	
STD.	-	
STRUCT.		
T	-	
TC T.C.E.	-	TRAFFIC CONTROL TEMPORARY CONSTRUCTION EASEMENT
T.C.P.		TRAFFIC CONTROL PLANS
T.H.	-	TEST HOLE
TYP.	_	TYPICAL
U.D.	-	UNDERDRAIN PIPE
WB	-	WESTBOUND
W.M.	-	WATER METER
W.S.		WRAPPED STEEL
W.U.S.	-	WATERS OF THE UNITED STATES
W.V.	-	
V.C.	-	LENGTH OF VERTICAL CURVE
		GP# G02018957
		TI-02

DATE APPROVED DATE SCALE: AS NOTED 11/20/2023 | 08:59 EST / yh auty 11/17/2023 | 08:01DRAWN BY: DMT PROJECT MANAGER DMT CHECKED BY: DATE APPROVED DATE SHEET NO.

CHIEF, RIGHT OF WAY

ANNE ARUNDEL COUNTY

DEPARTMENT OF PUBLIC WORKS

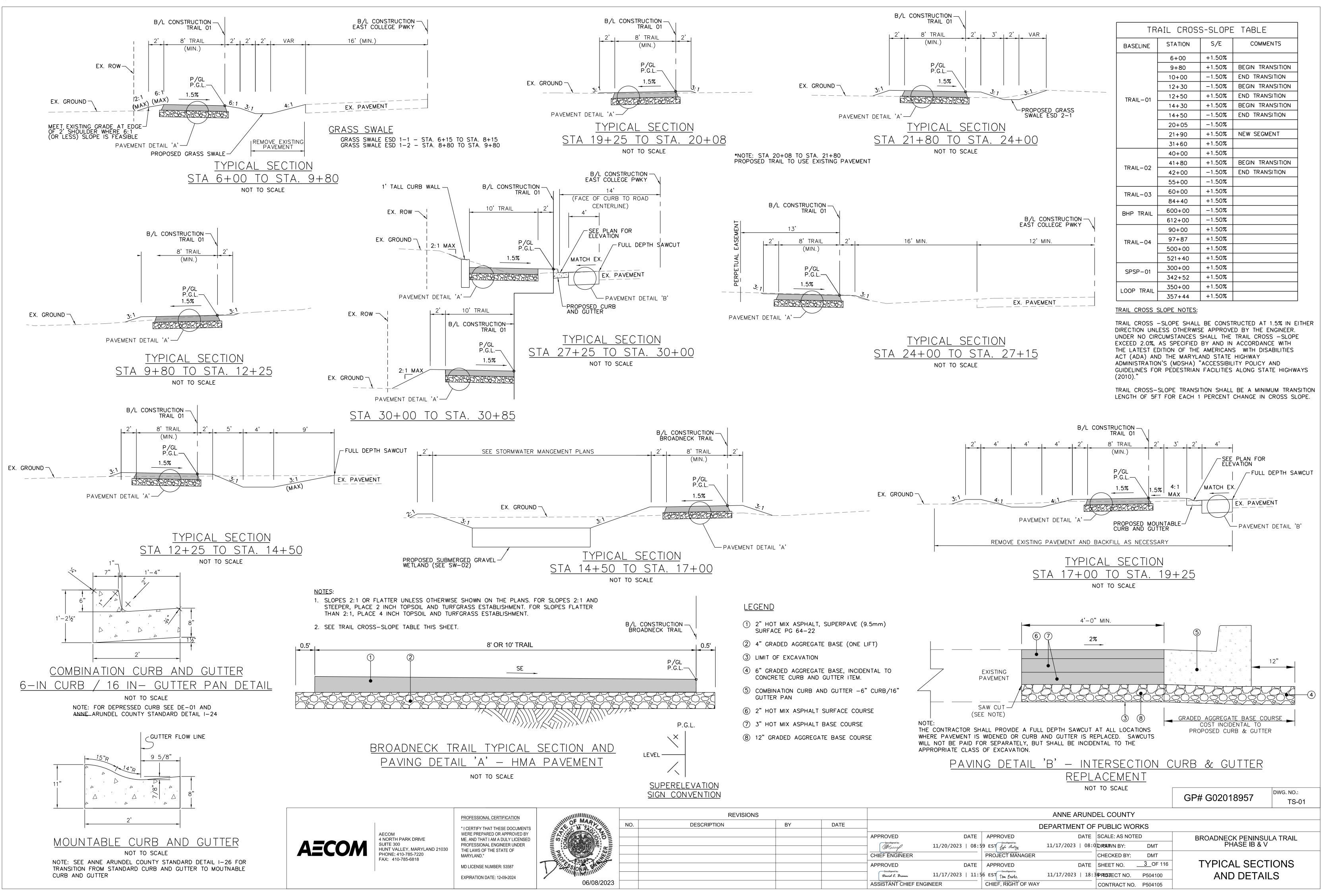
11/17/2023 | 18:36 REGJECT NO. P504100

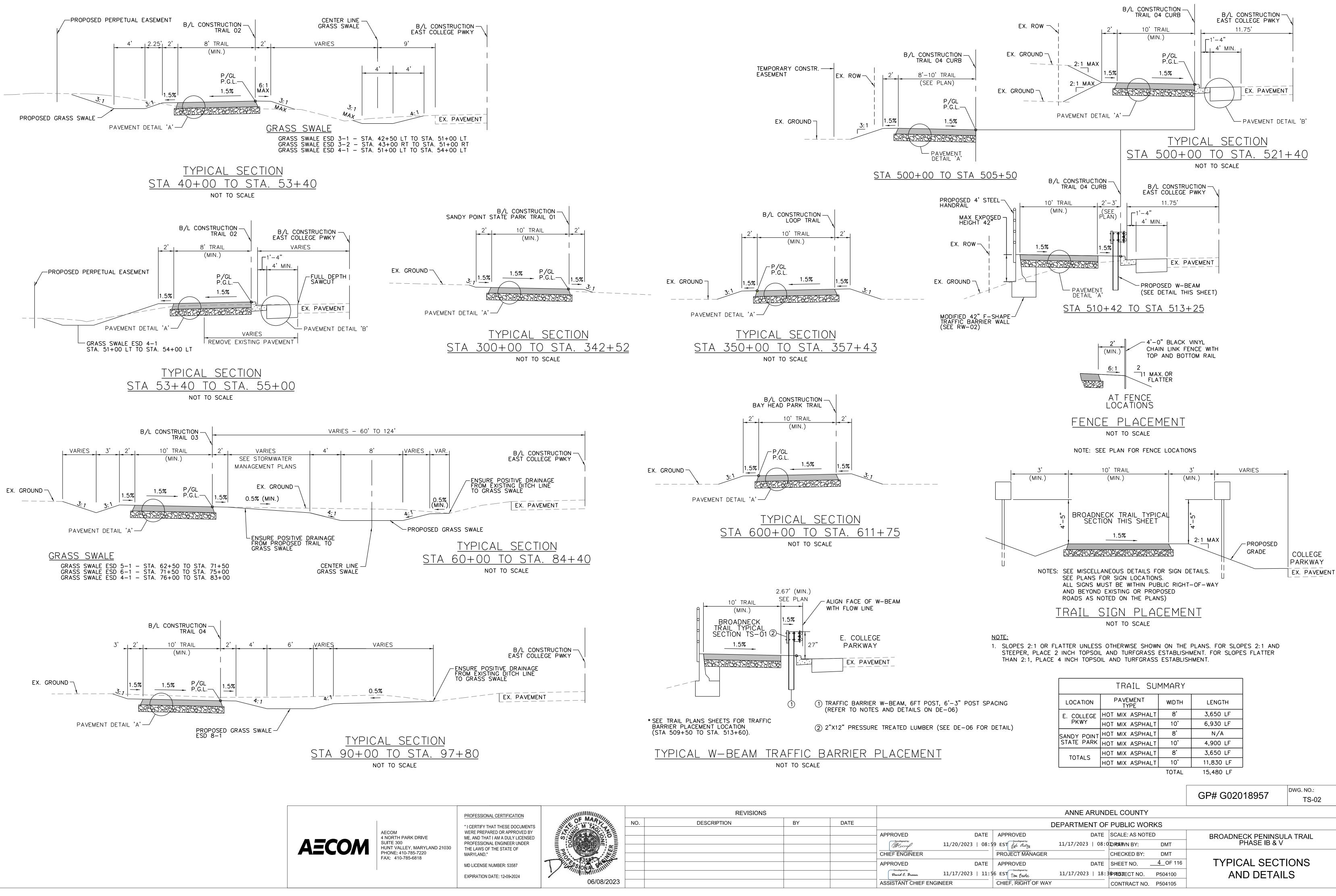
CONTRACT NO. P504105

**BROADNECK PENINSULA TRAIL** PHASE IB & V

<u>O2</u> OF 116 GENERAL NOTES, LEGEND, AND ABBREVIATIONS

11/17/2023 | 11:56 EST Dom Burle NGINEER





" I CERTIFY THAT THESE D	OCUMENTS	NO.	DESCRIPTION	BY	DATE	-
WERE PREPARED OR APP ME, AND THAT I AM A DULY	S 15 10 10 10 10 10 10 10 10 10 10 10 10 10					APPROVED
PROFESSIONAL ENGINEER THE LAWS OF THE STATE		3				- Docusigned by:
MARYLAND."						CHIEF ENGINEER
MD LICENSE NUMBER: 535	87 THE SOME ENTITE					APPROVED
EXPIRATION DATE: 12-09-2						DocuSigned by: David C. Braun
	06/08/2023	3				ASSISTANT CHIEF

# AECOM

ECIFICATION

APPROVED

CATEGORY CODE ITEMS

ROVAL • SHA REVISIONS

OVAL 3-11-64

Kit G. MEChlend

HIGHWAY ADMINISTRA

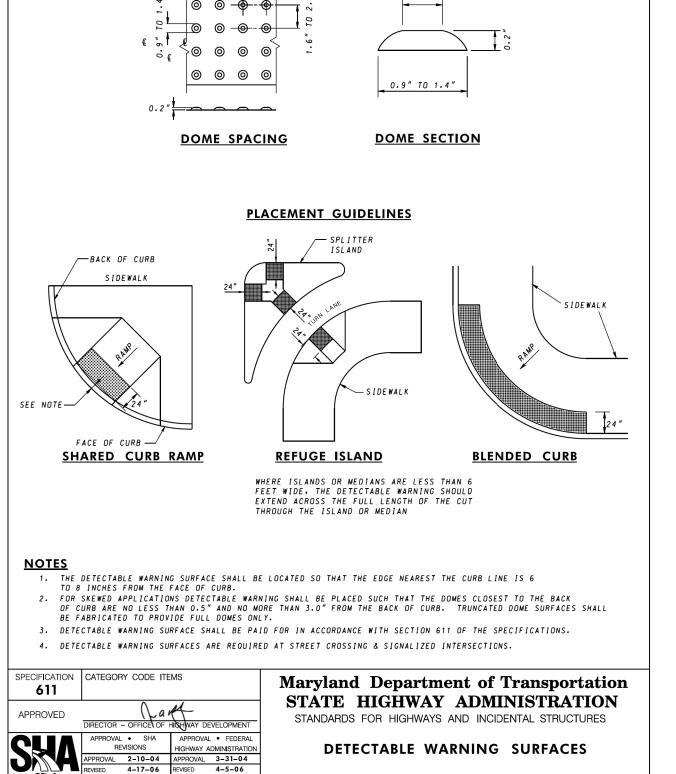
State Highway REVISED

"∕4" EXPANSION MATERIAL →

1/2" THIN JOINTER GROOVES

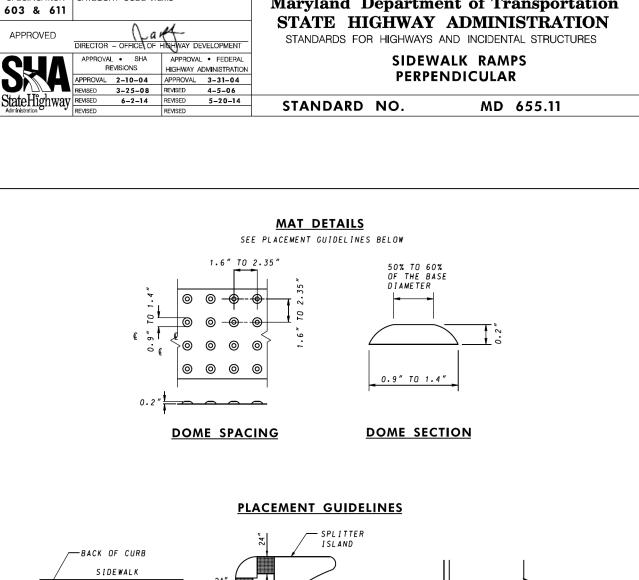
5-20-14

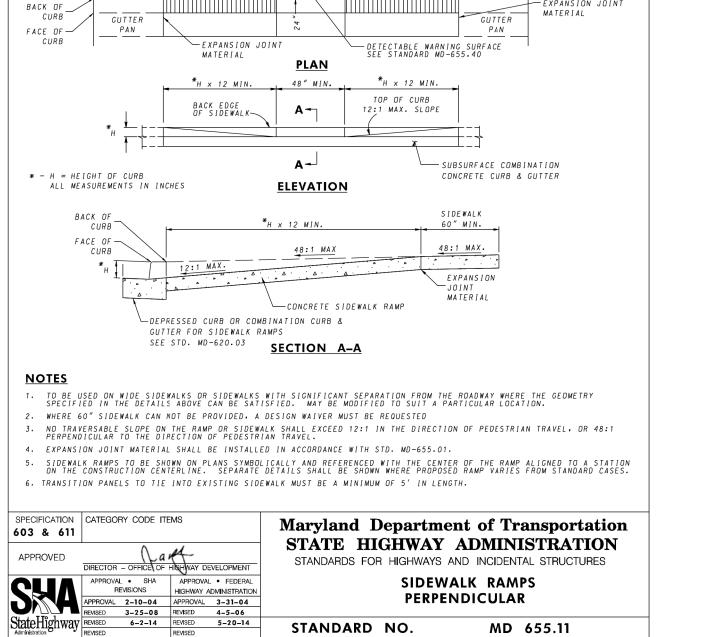
AECOM 4 NORTH PARK DRIVE SUITE 300 HUNT VALLEY, MARYLAND 21030 PHONE: 410-785-7220 FAX: 410-785-6818



STANDARD NO.

MD 655.40





SPECIAL CASE

SIDEWALK

GRASS OR

ARDSCAPE

BUFFFR

(SEE NOTE 2)

EXPANSION

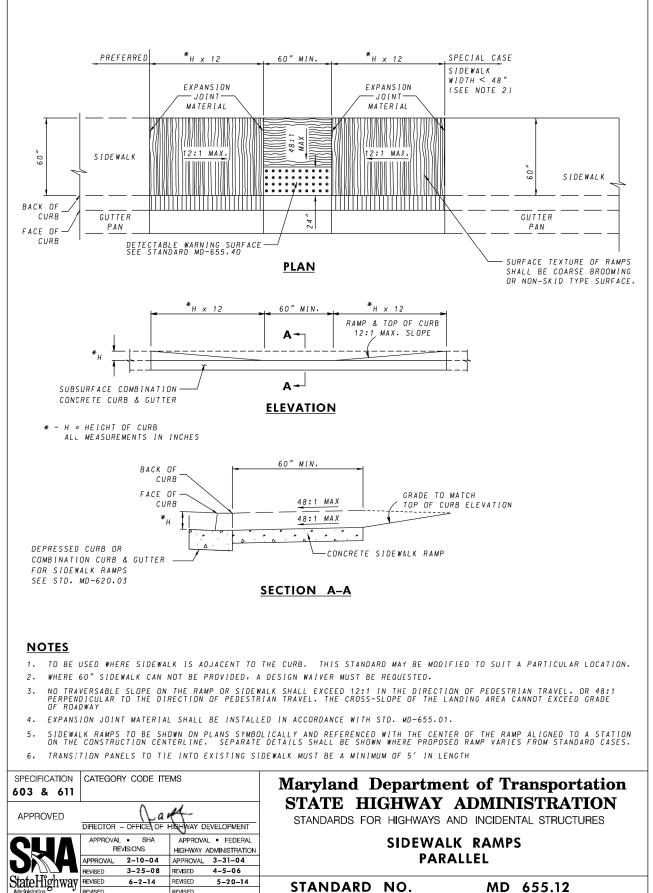
JOINT-

MATERIAL

<(H × 12) + 48"

SIDEWALK WIDTH + BUFFER WIDTH

- EXPANSION JOINT



EXPANSION

MATERIAL

IRFACE TEXTURE

OARSE BROOMING

F RAMPS SHALL

OR NON-SKID TY

URFACE.

PREFERRED

SIDEWALK

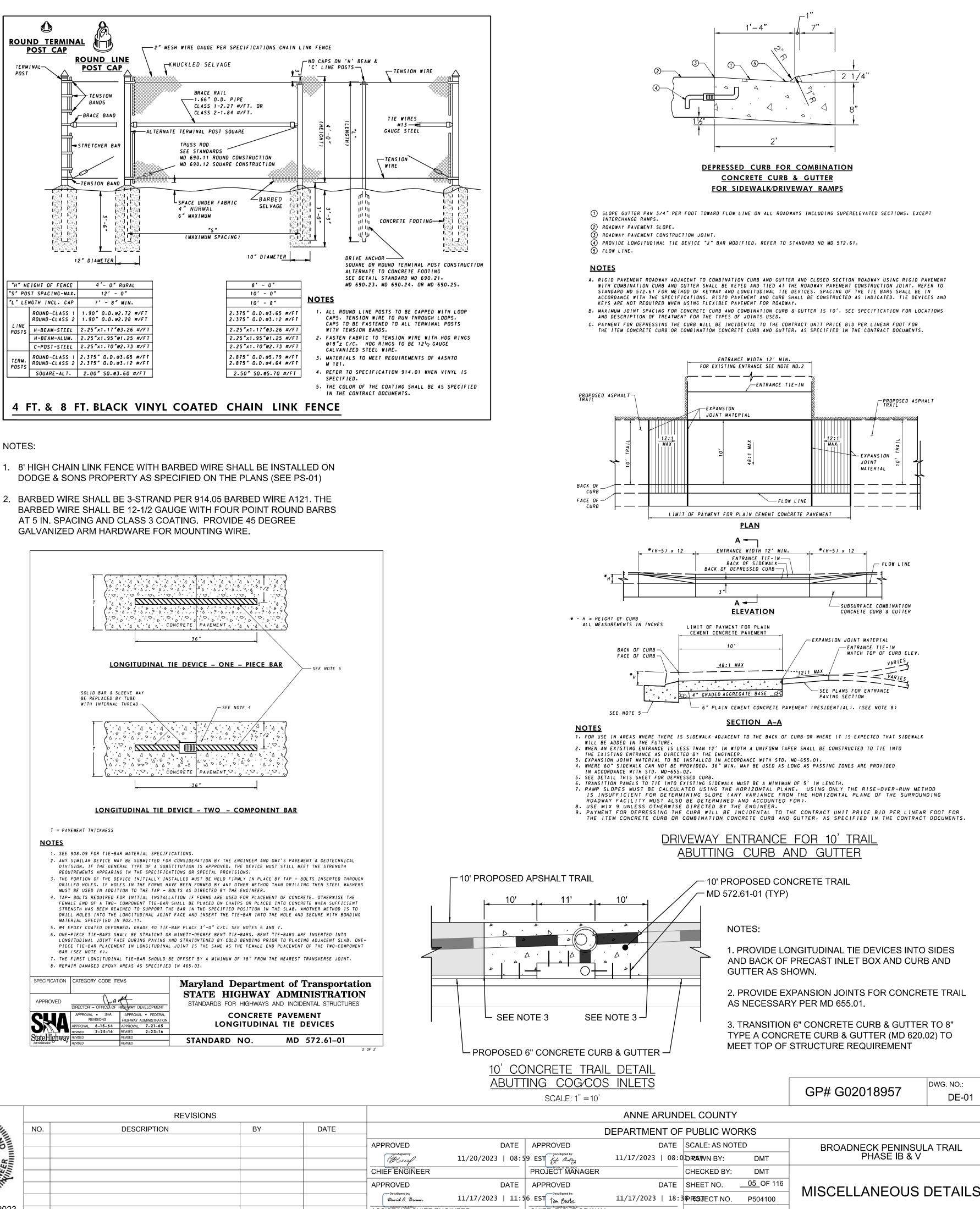
NOTE 2)

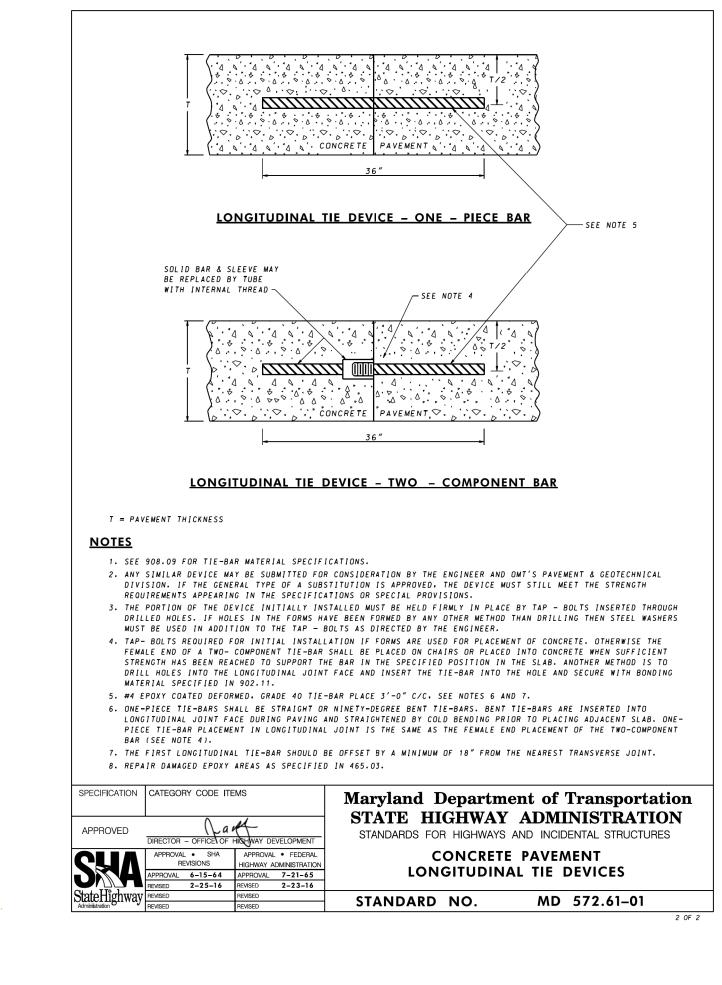
GRASS C

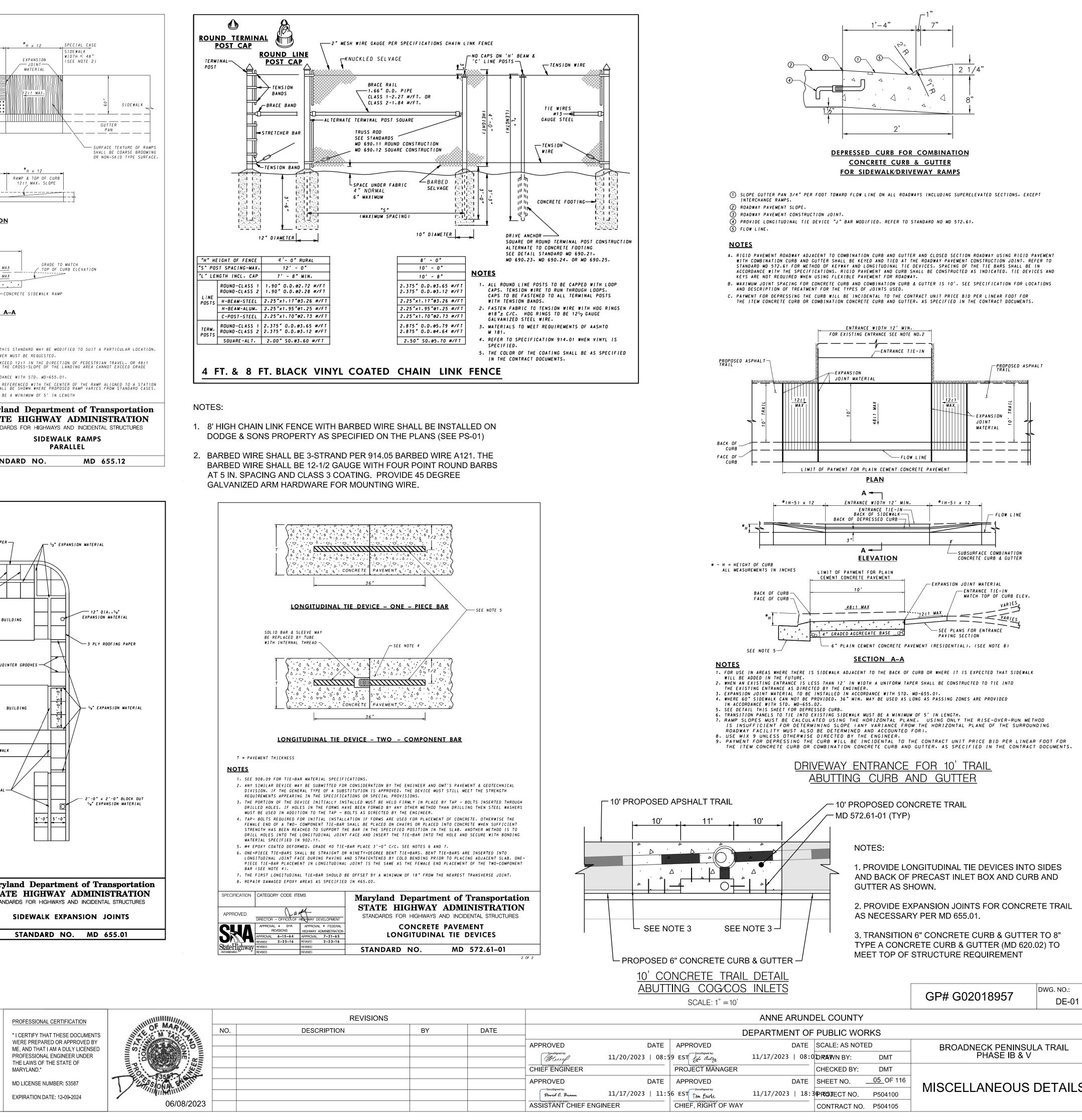
BUFFER

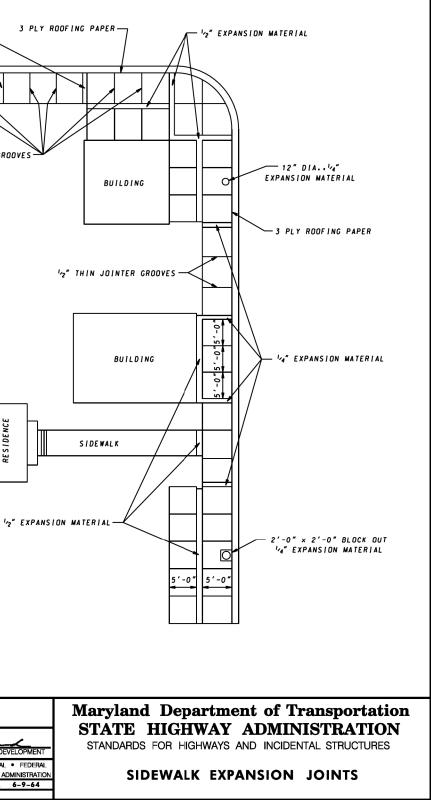
laryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
SIDEWALK RAMPS PARALLEL

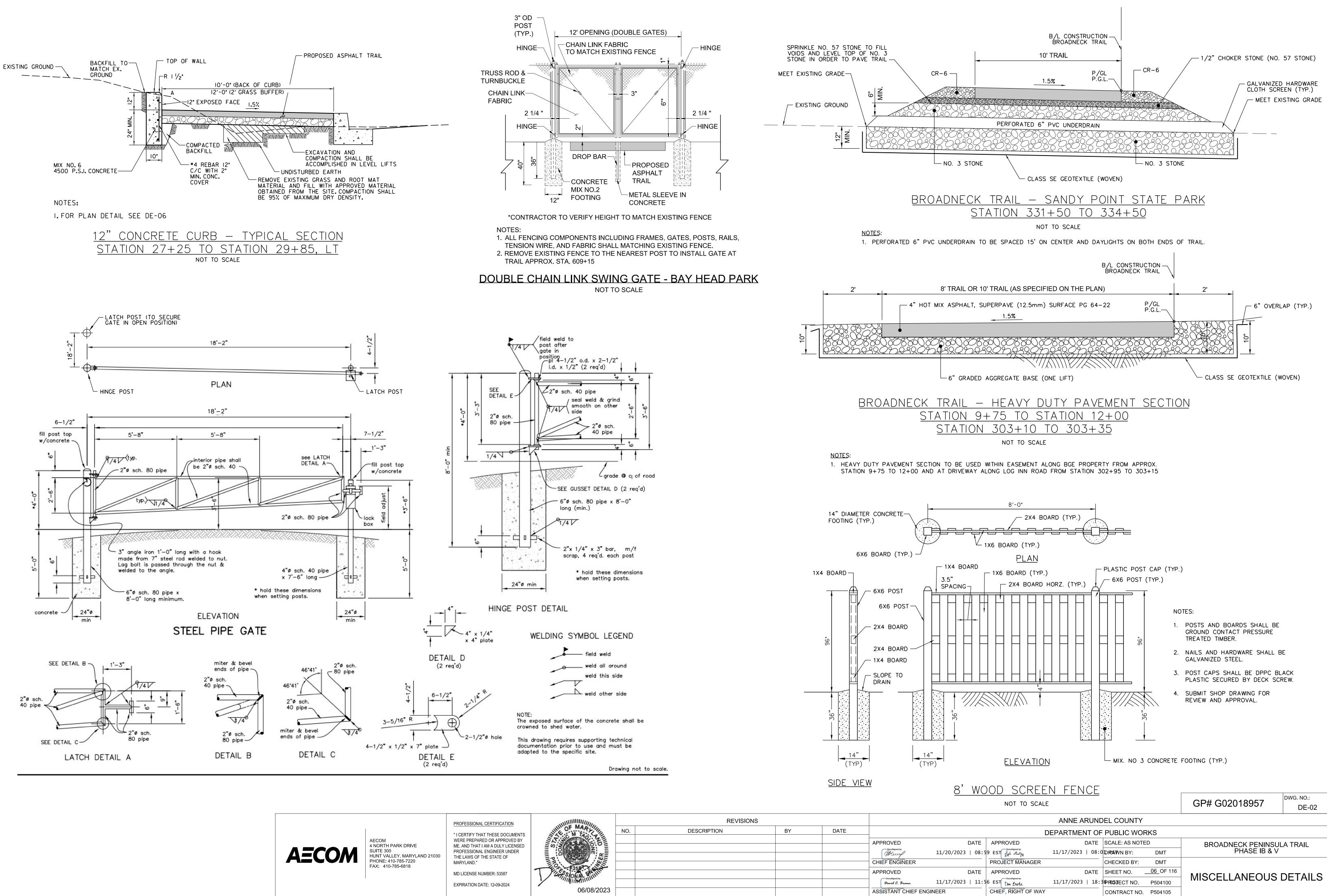
STANDARD NO



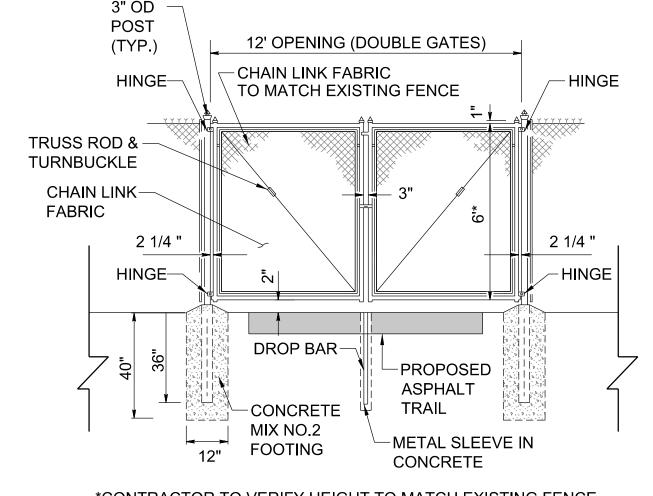


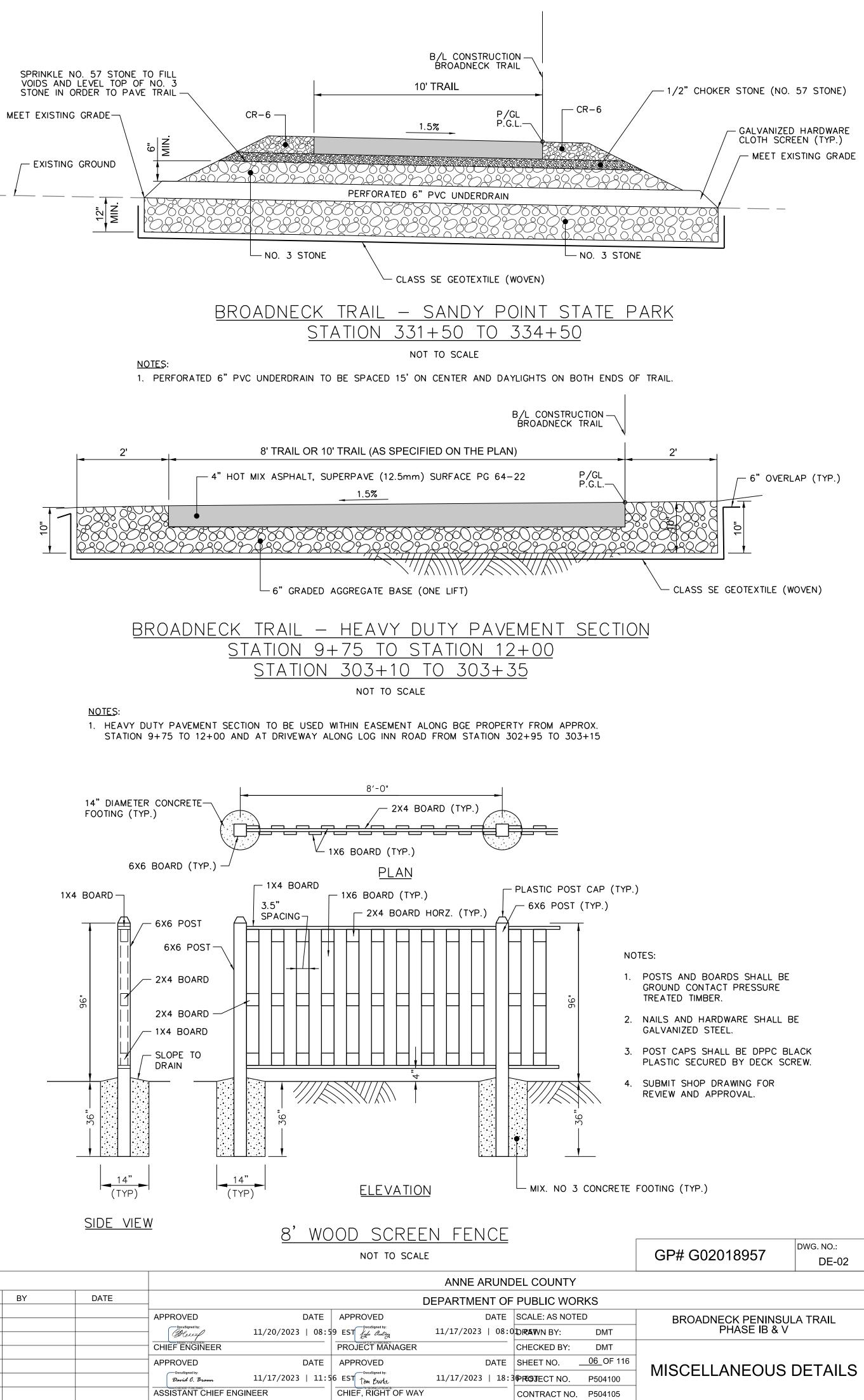


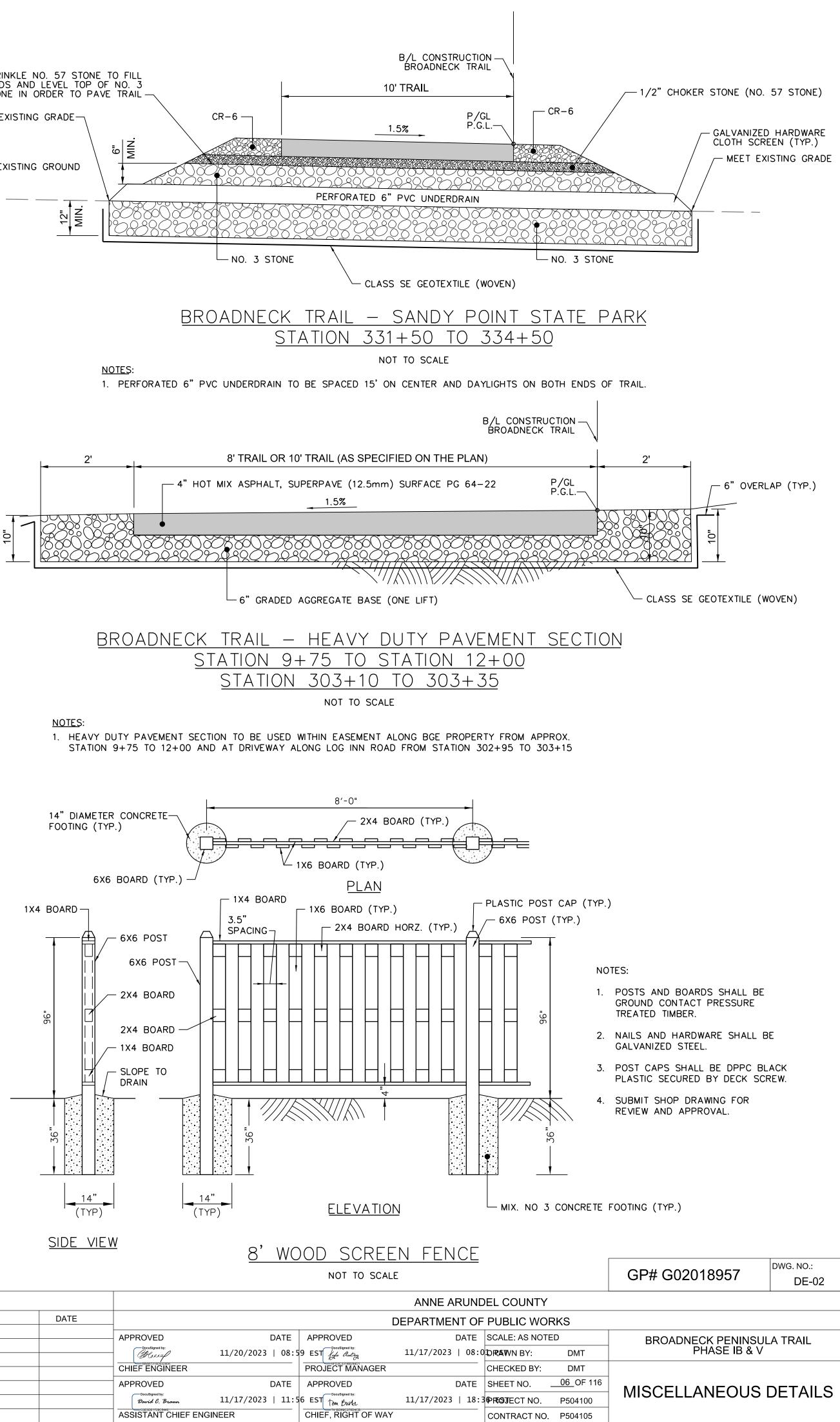


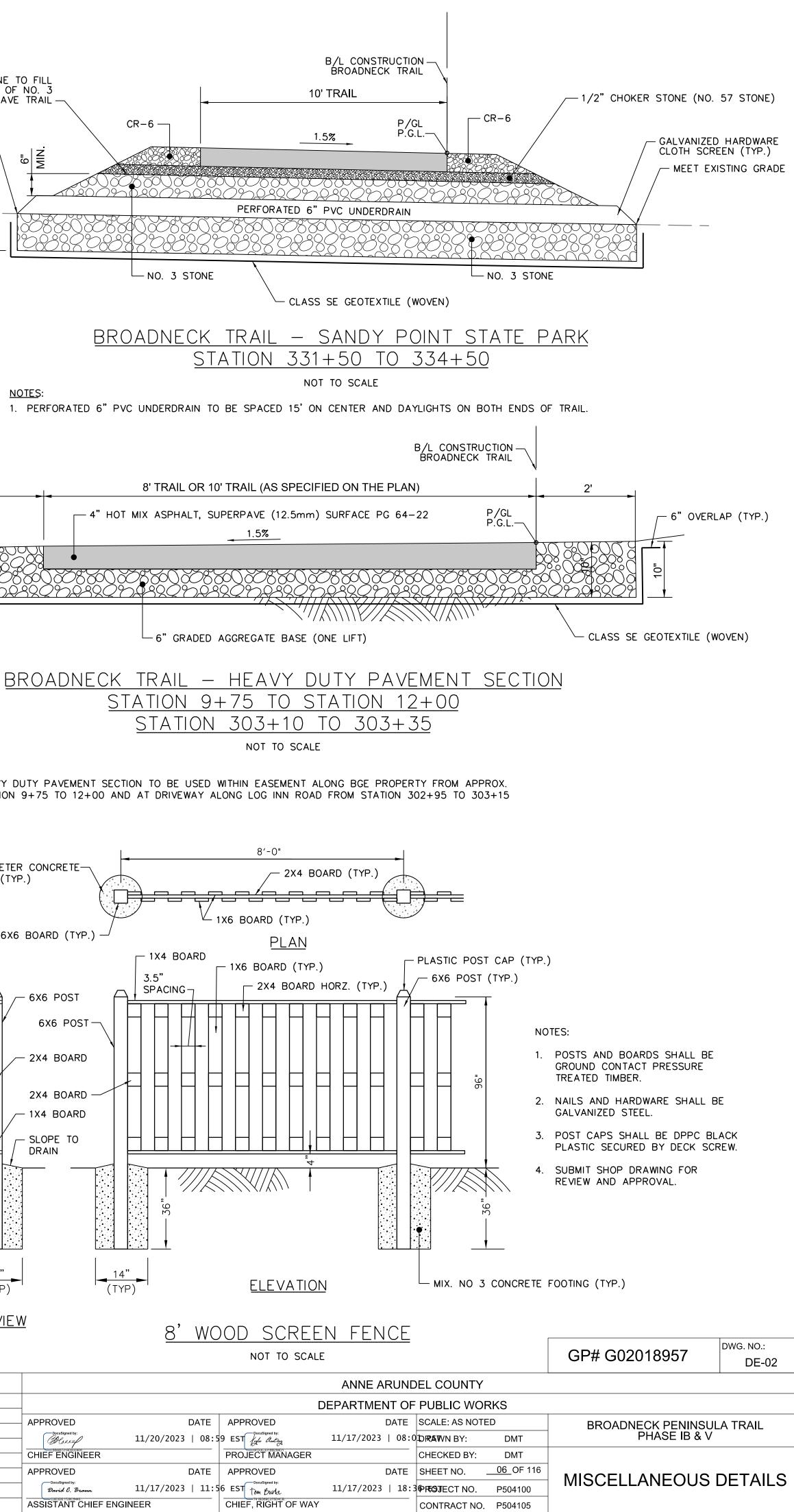


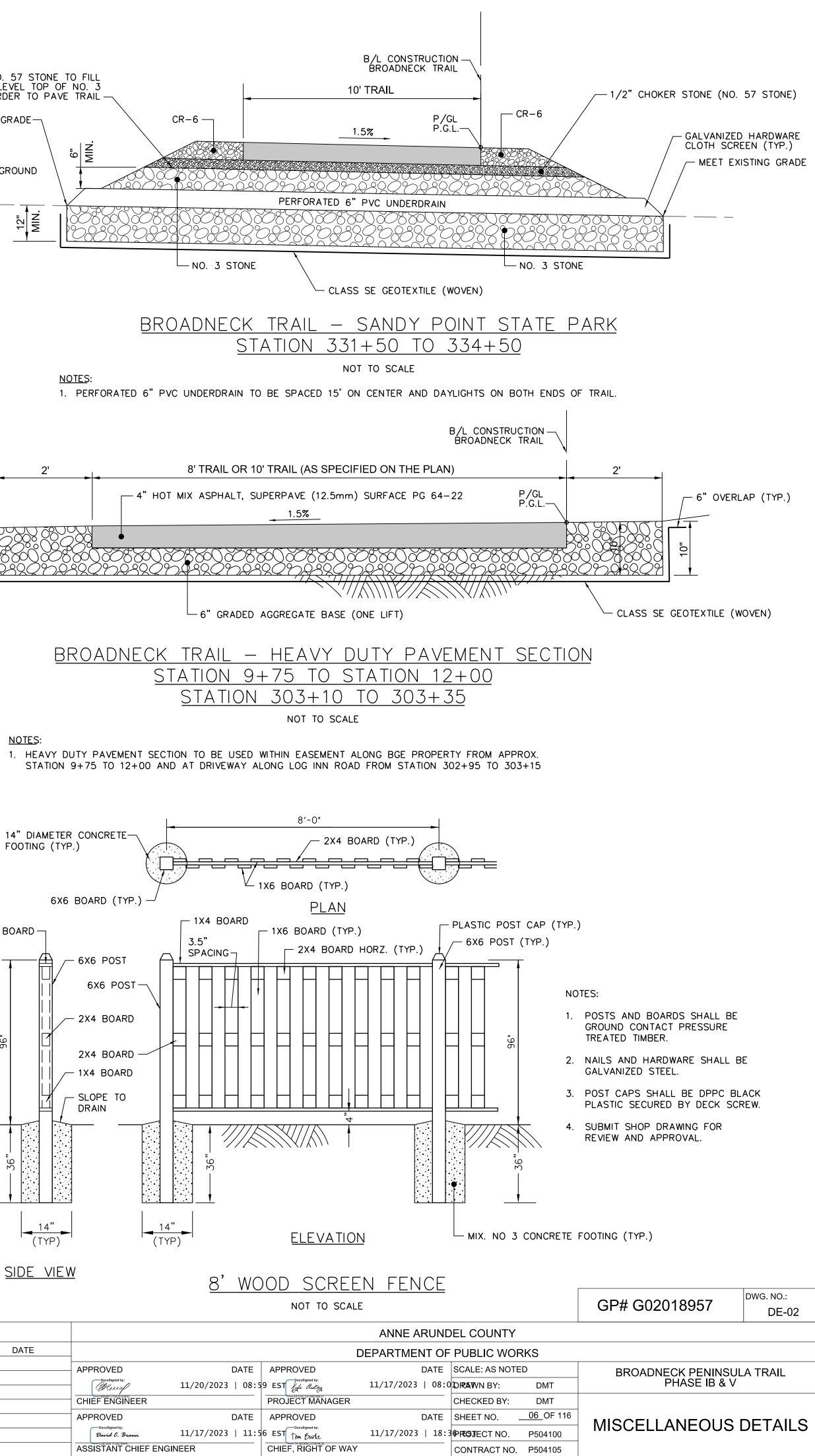


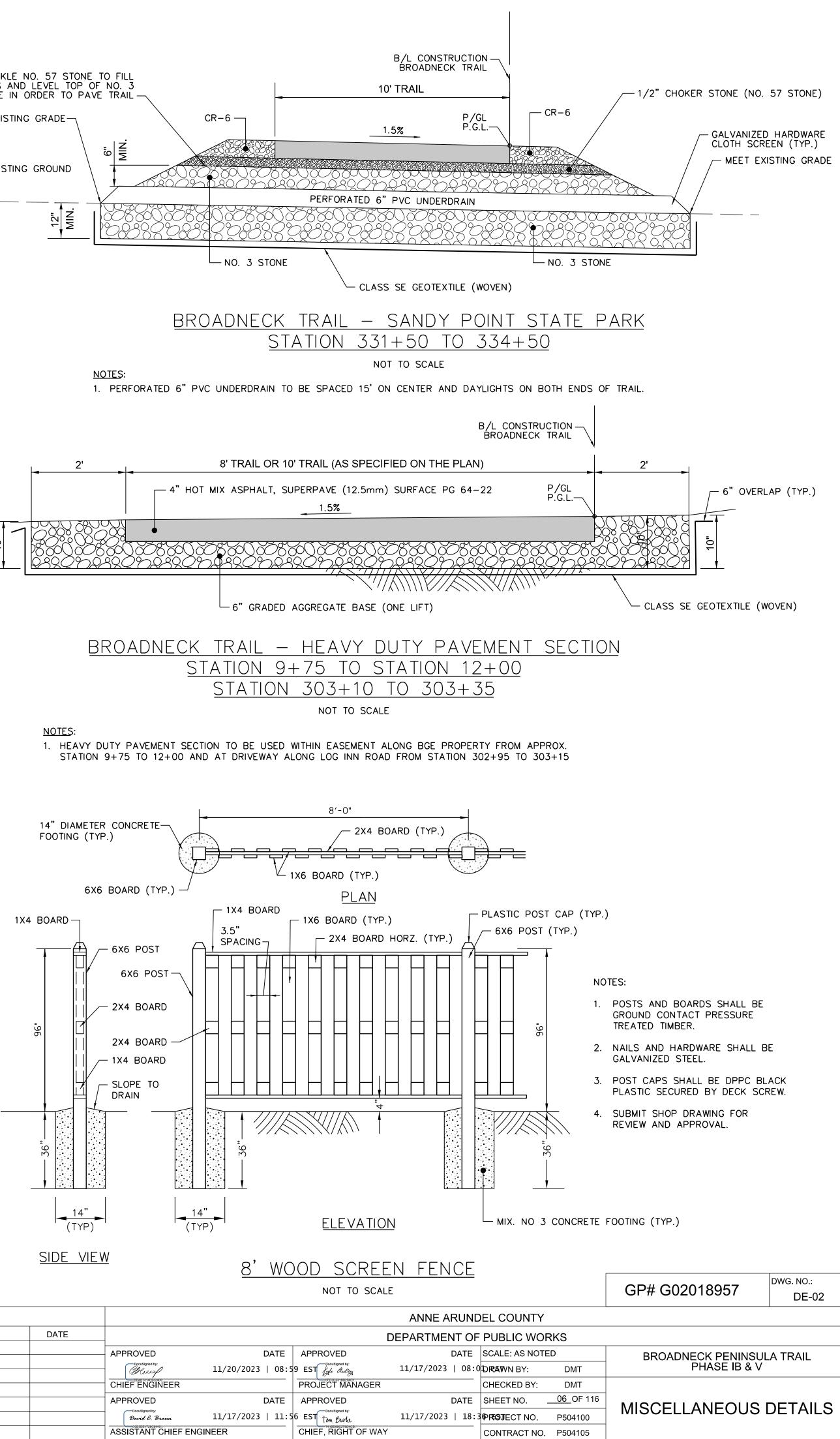


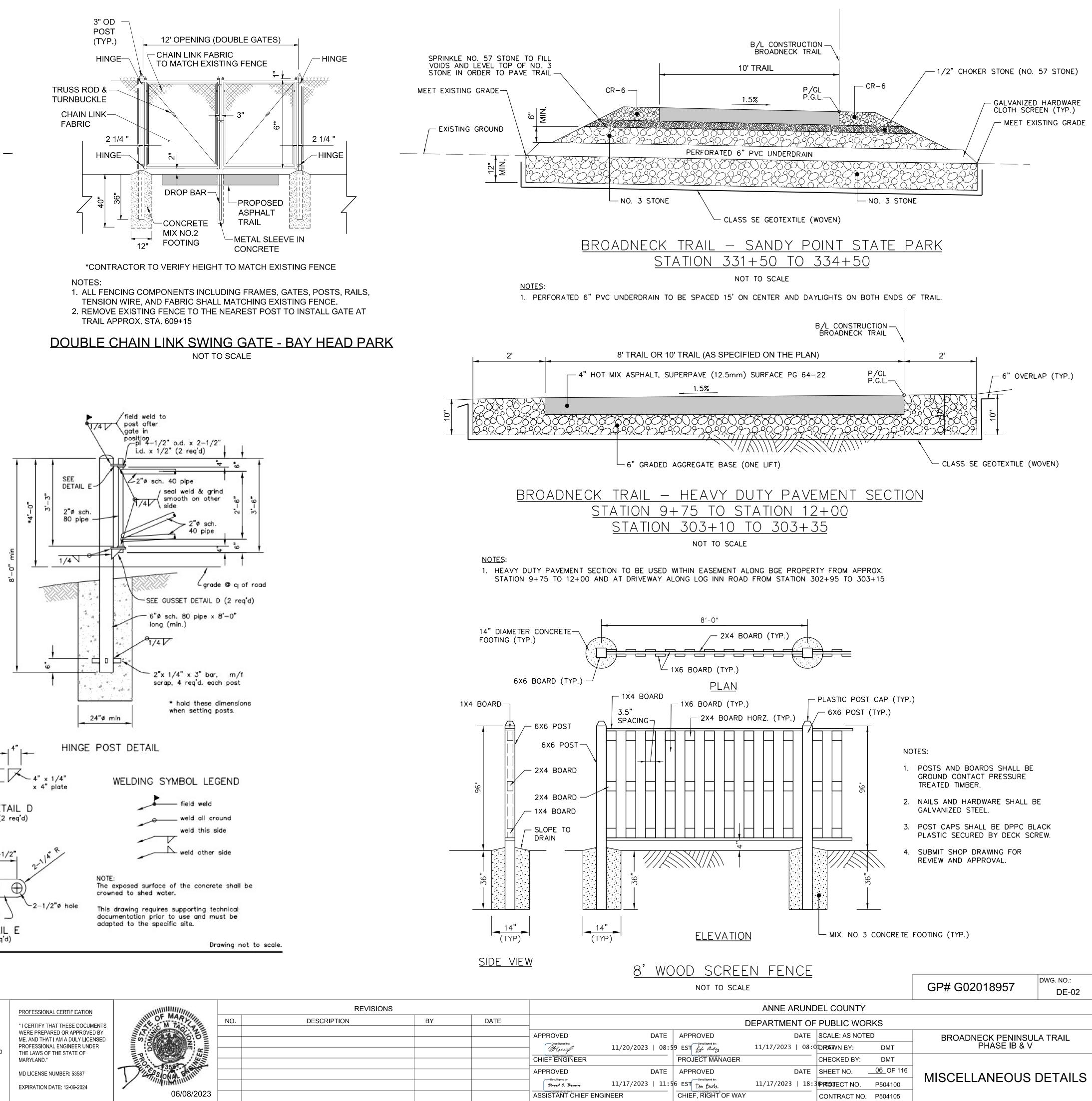


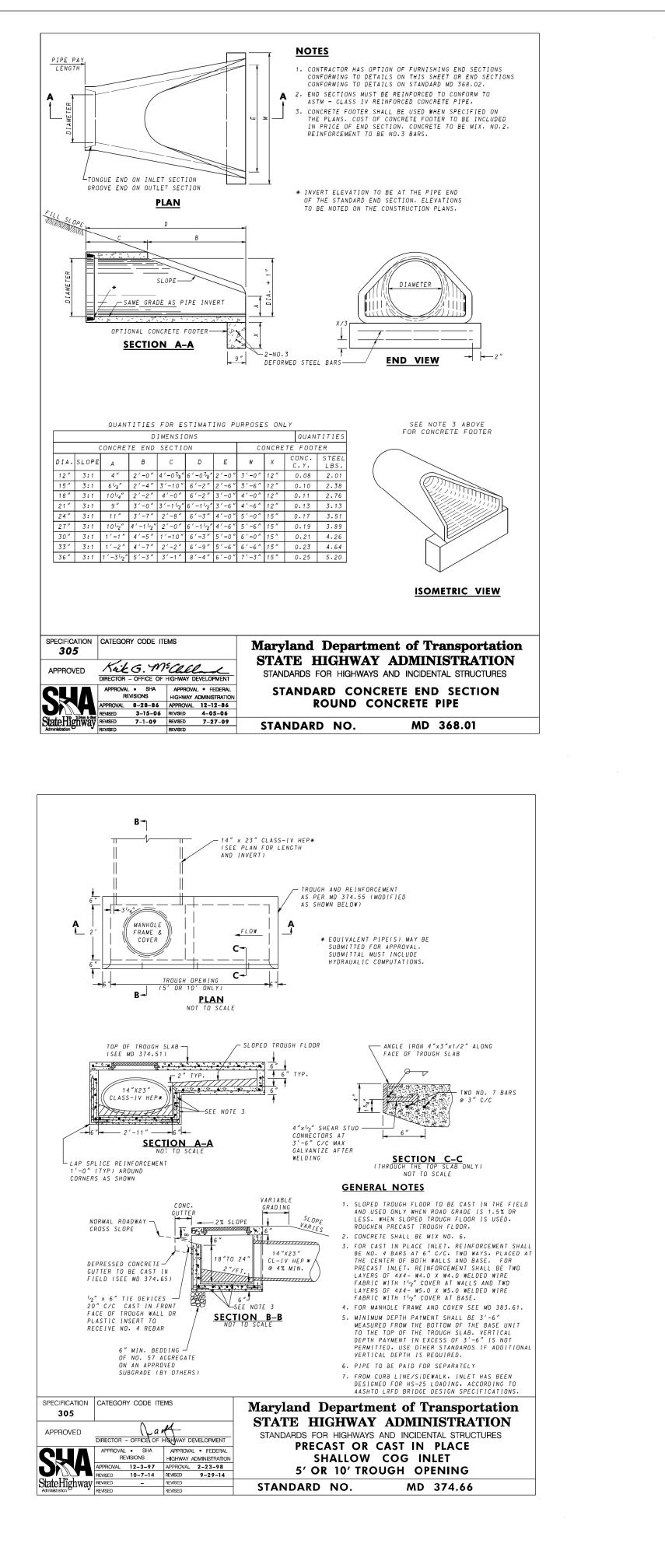


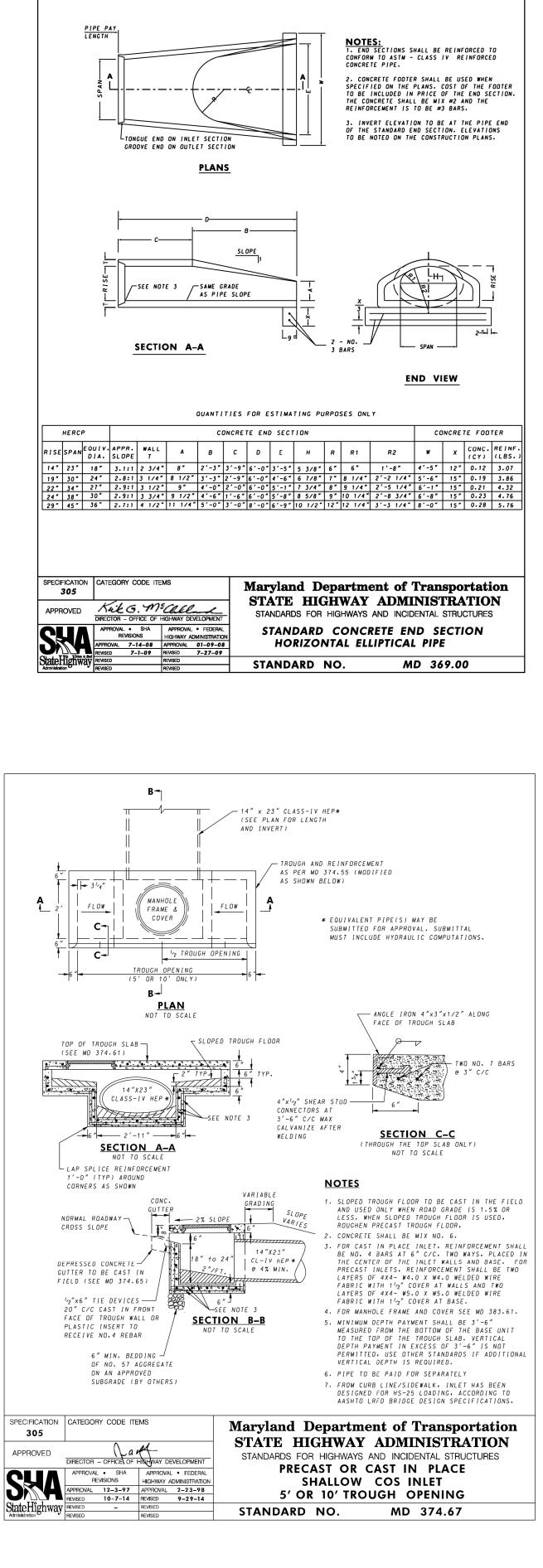












PROFESSIONAL CERTIFICATION

THE LAWS OF THE STATE OF

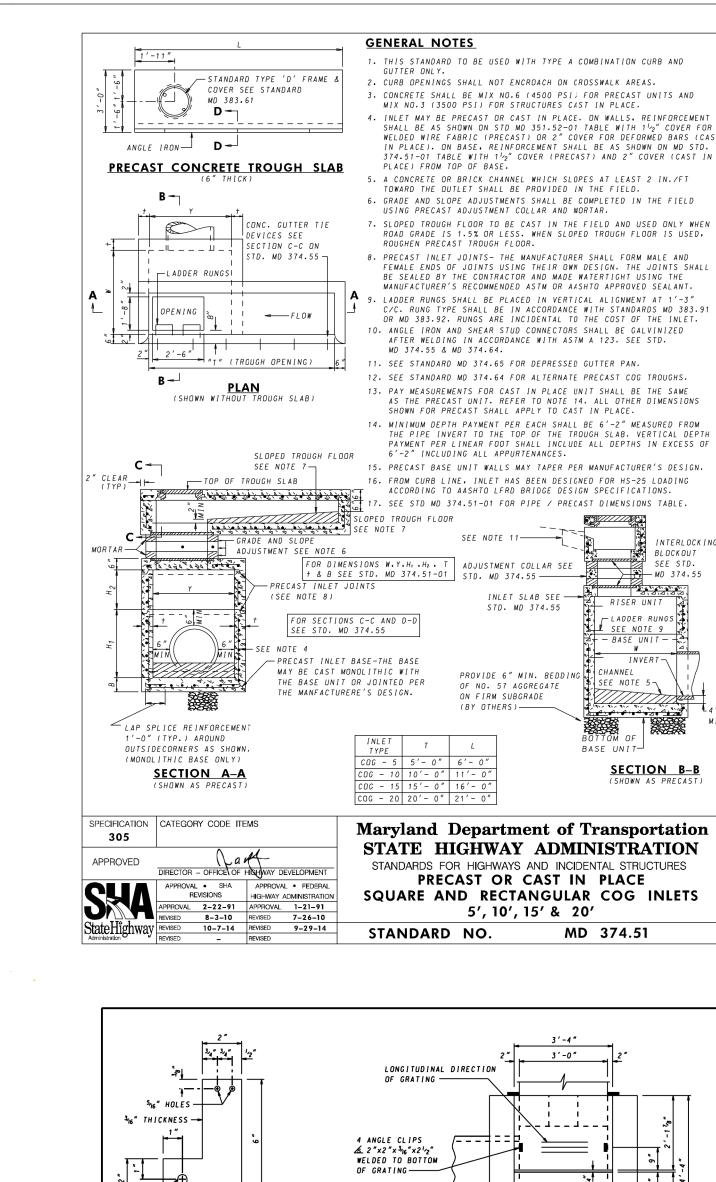
MD LICENSE NUMBER: 53587

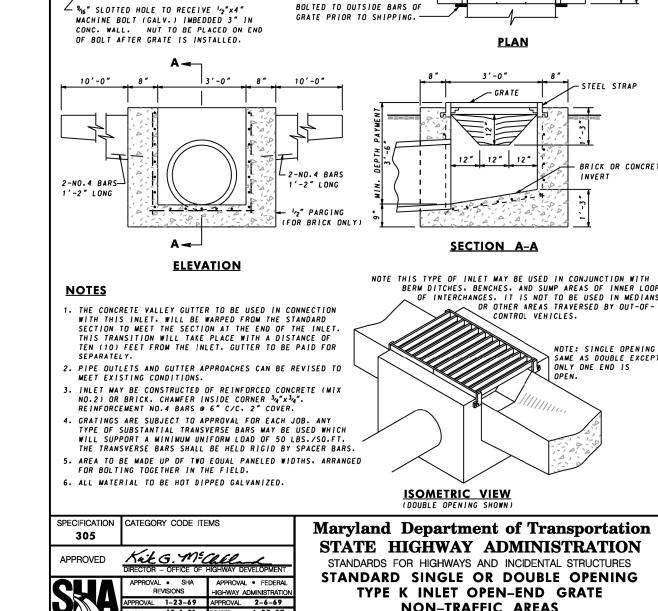
EXPIRATION DATE: 12-09-2024

MARYLAND,"



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





D 6-23-8

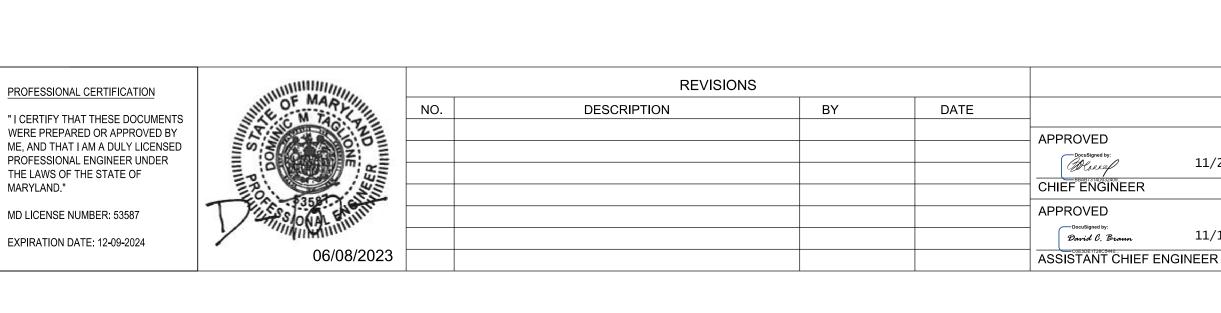
END OR BINDING BARS —

4 ANGULAR STEEL STRAPS

TYPE K INLET OPEN-END GRATE

NON-TRAFFIC AREAS

STANDARD NO. MD 378.03



4 "

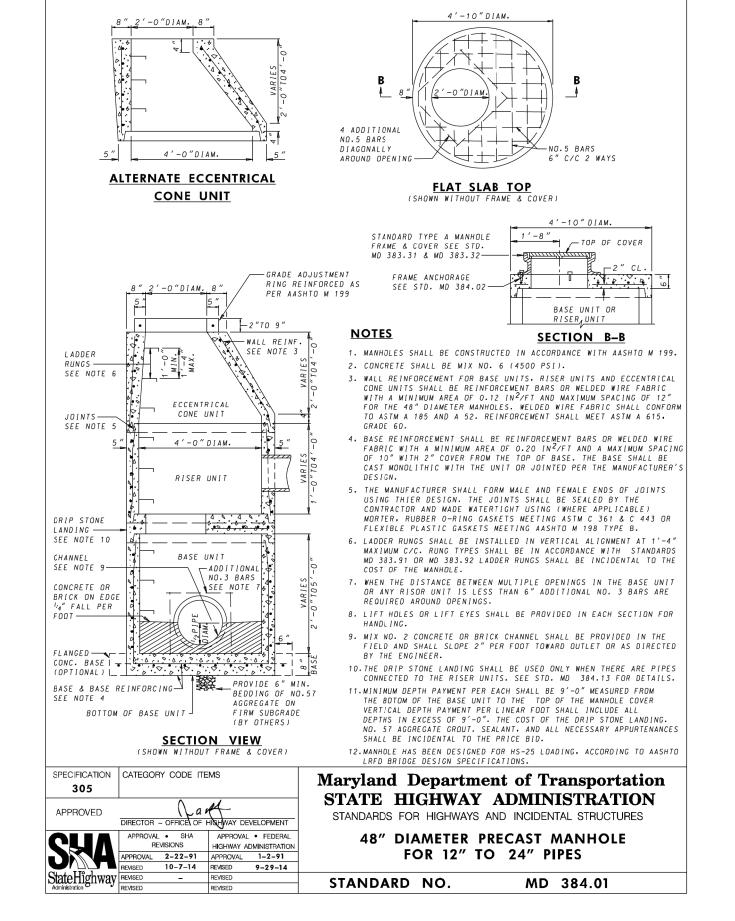
END STRAP DETAIL

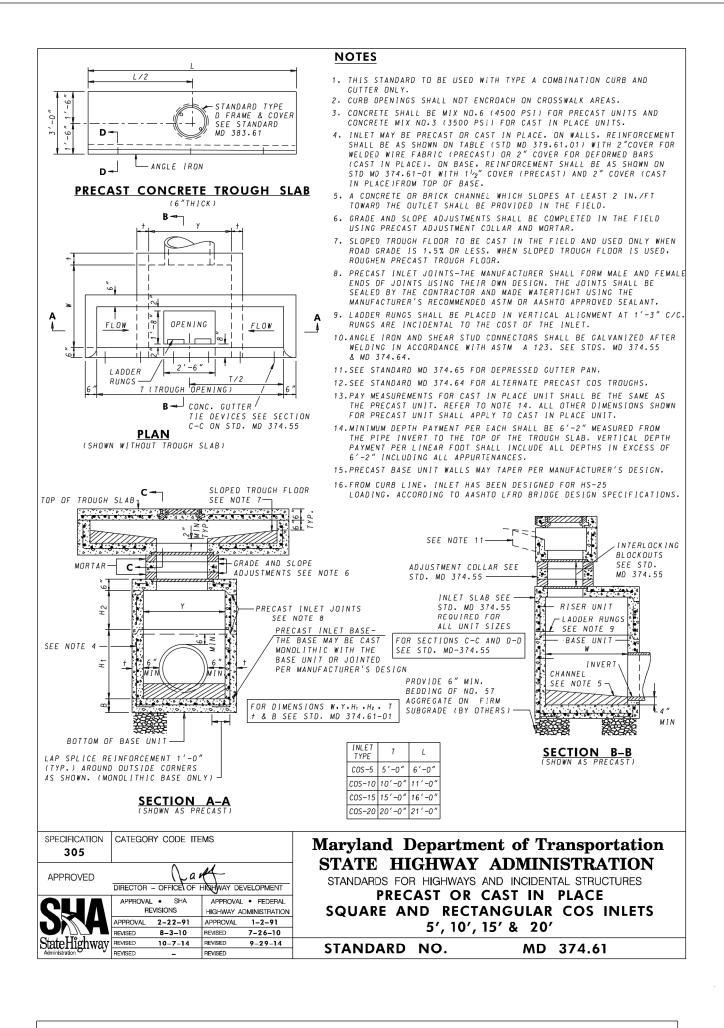
ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS DATE APPROVED DATE SCALE: AS NOTED 11/17/2023 | 08:01DRAWN BY: 11/20/2023 | 08:59 EST Jule autry DMT PROJECT MANAGER CHECKED BY: DMT <u>07</u> OF 116 DATE APPROVED DATE SHEET NO. **MISCELLANEOUS DETAILS** 11/17/2023 | 11:56 EST tom Burke 11/17/2023 | 18:36PREGJECT NO. P504100 CHIEF, RIGHT OF WAY CONTRACT NO. P504105

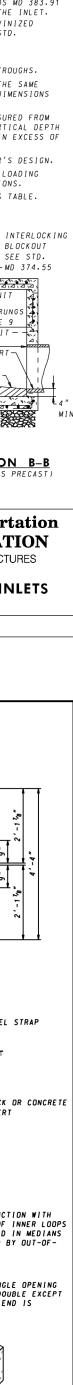
**BROADNECK PENINSULA TRAIL** PHASE IB & V

GP# G02018957

DWG. NO.: DE-03



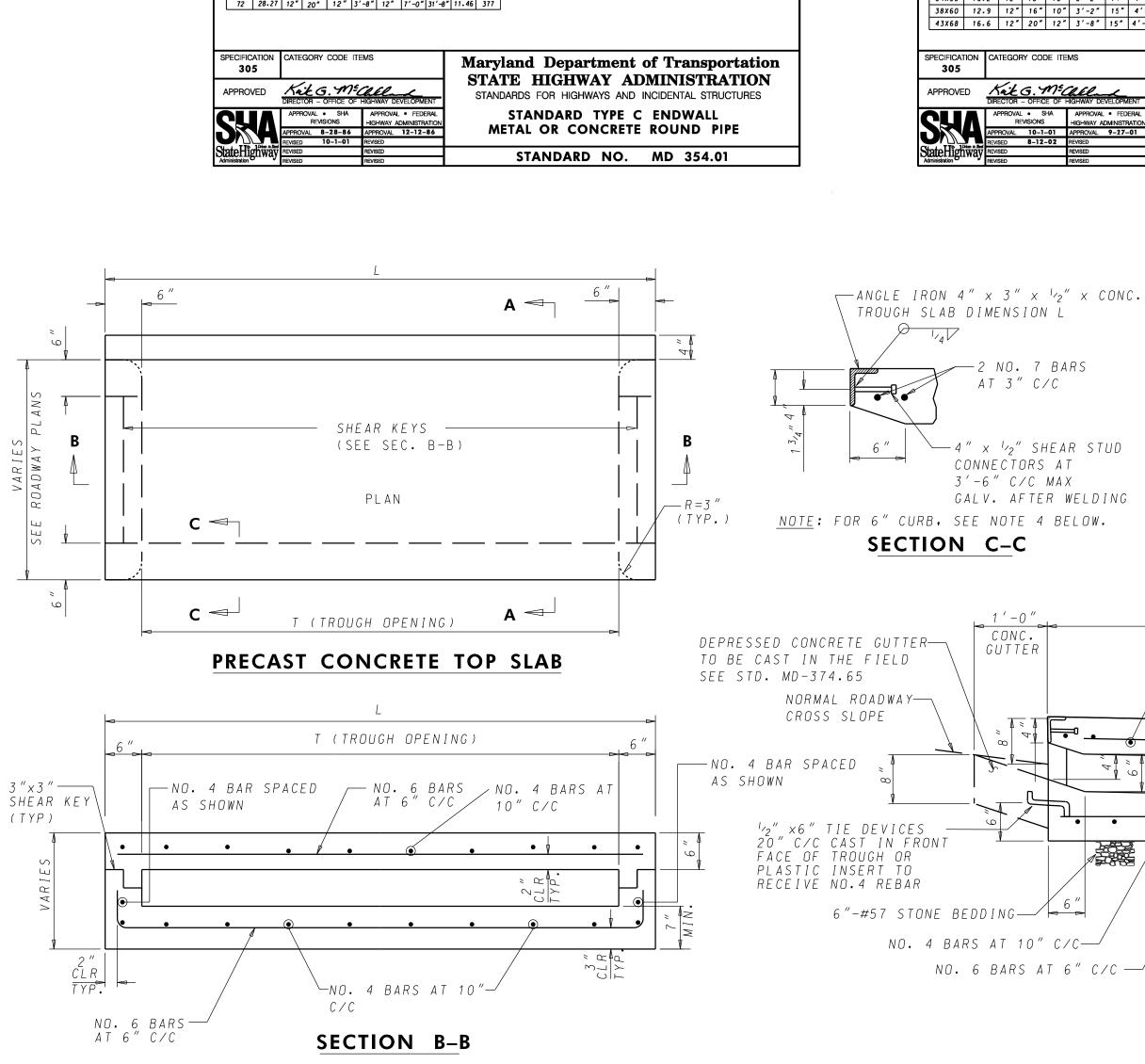






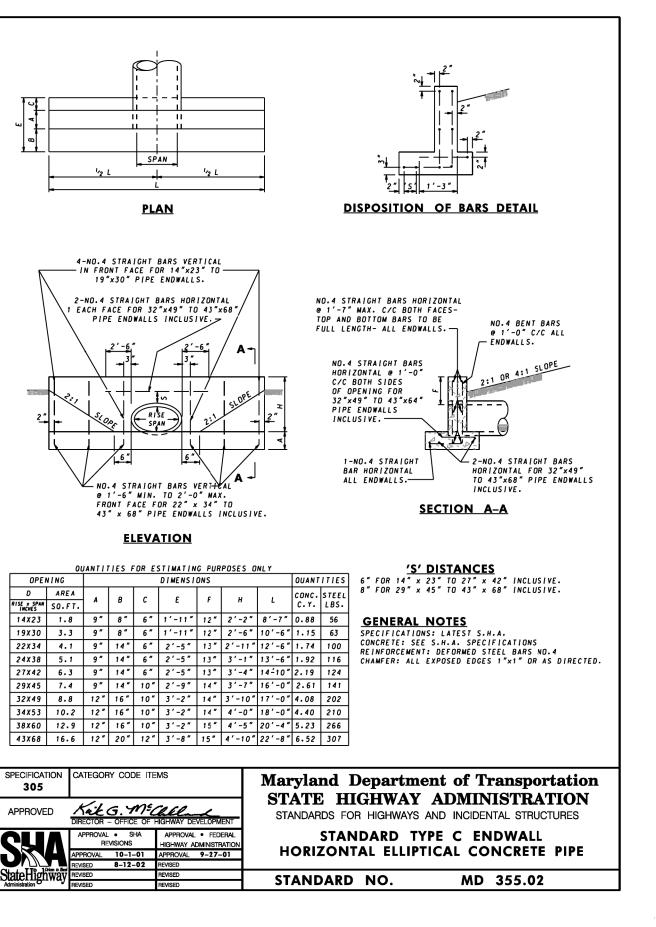


NOT TO SCALE

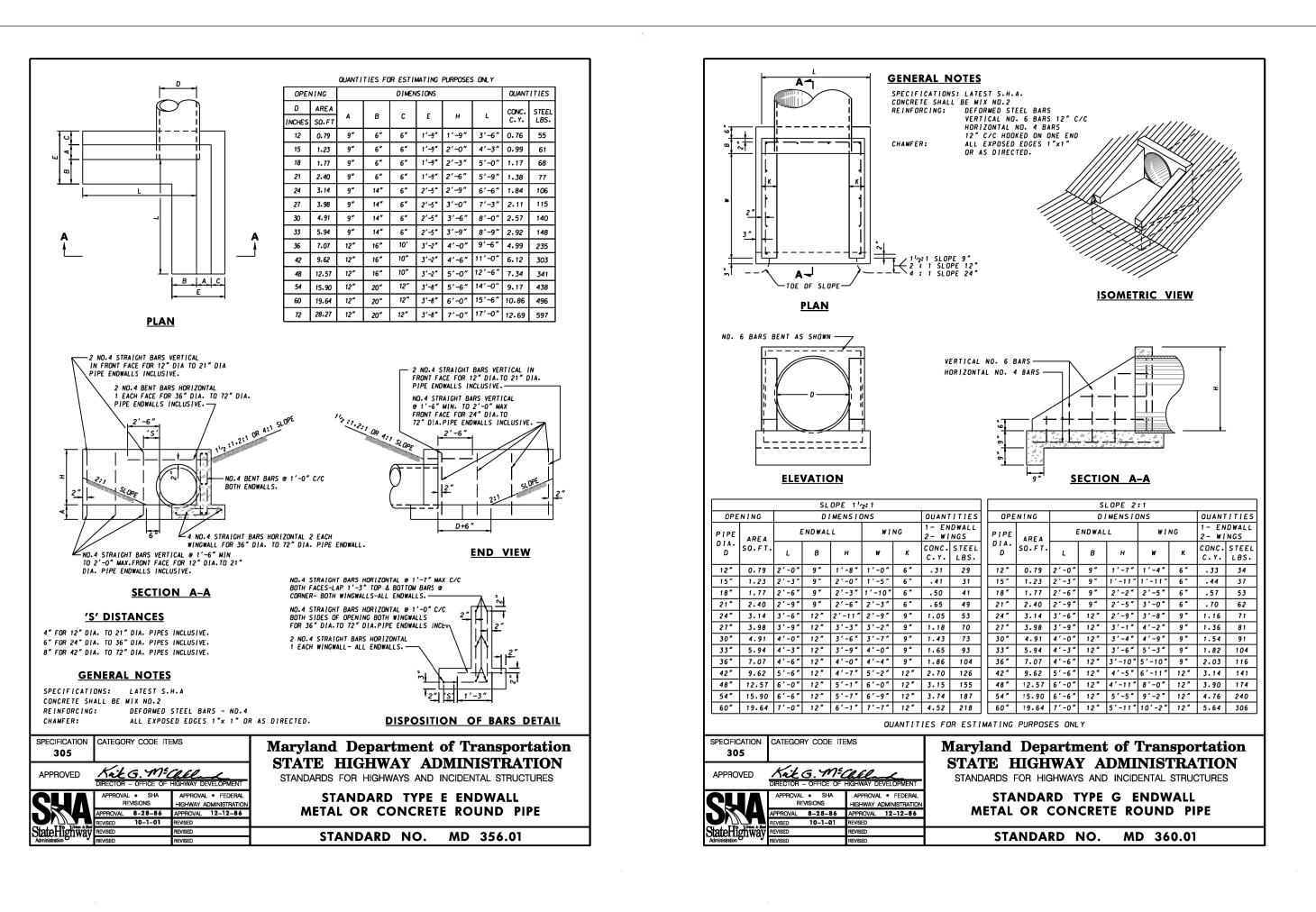


" '<u>s' 1'-3"</u> - <u>P</u>--DISPOSITION OF BARS DETAIL <u>PLAN</u> — 4-NO.4 STRAIGHT BARS VERTICAL IN —— FRONT FACE FOR 12" DIA. TO 21" DIA. PIPE ENDWALLS INCLUSIVE. ND.4 STRAIGHT BARS HORIZONTAL @ 1'-7" MAX. C/C BOTH FACES- TOP AND BOTTOM BARS TO BE FULL LENGTH-ALL ENDALLS \_\_\_\_ 2 NO.4 STRAIGHT BARS HORIZONT 1 EACH FACE FOR 36" DIA. TO 72" DIA. PIPE ENDWALLS INCLUSIVE. ALL ENDWALLS - NO.4 BENT BARS @ 1'-O" C/C ALL ENDWALLS. / 11/2:1. 2:1 OR 4:1 SLOPE  $\left| \frac{s'}{s'} \right| \sim \left| \frac{s'}{s'} \right|$ NO.4 STRAIGHT BARS HORIZONTAL @ 1'-O" C/C BOTH SIDES OF OPENING FOR 36" DIA. TO 72" DIA.PIPE-**- }- → →/**↓ **\_/**/ ! ENDWALLS INCLUSIVE. 1-ND.4 STRAIGHT 6″ 6″ 2-NO.4 STRAIGHT BAR BAR HORIZONTAL -HORIZONTAL FOR 36" DIA. TO 72" DIA. PIPE ENDWAALS ALL ENDWALLS. INCLUSIVE. ✓ NO.4 STRAIGHT BARS VERTICAL @ 1'-6" MIN. TO 2'-0" MAX. FRONT FACE FOR 24" DIA. TO 72" DIA. PIPE ENDWALLS INCLUSIVE. SECTION A-A **ELEVATION** OUANTITIES FOR ESTIMATING PURPOSES ONLY OUANTITIES OPENING DIMENSIONS <u>'S' DISTANCES</u> 4" FOR 12" DIA. TO 21" DIA. PIPES INCLUSIVE. 6" FOR 24" DIA. TO 36" DIA. PIPES INCUSIVE. 8" FOR 42" DIA. TO 72" DIA. PIPES INCLUSIVE. **GENERAL NOTES** SPECIFICATIONS: LATEST S.H.A. CONCRETE SHALL BE MIX NO.2 REINFORCING: DEFORMED STEEL BARS-NO.4 CHAMFER: ALL EXPOSED EDGES 1"×1" OR AS DIRECTED

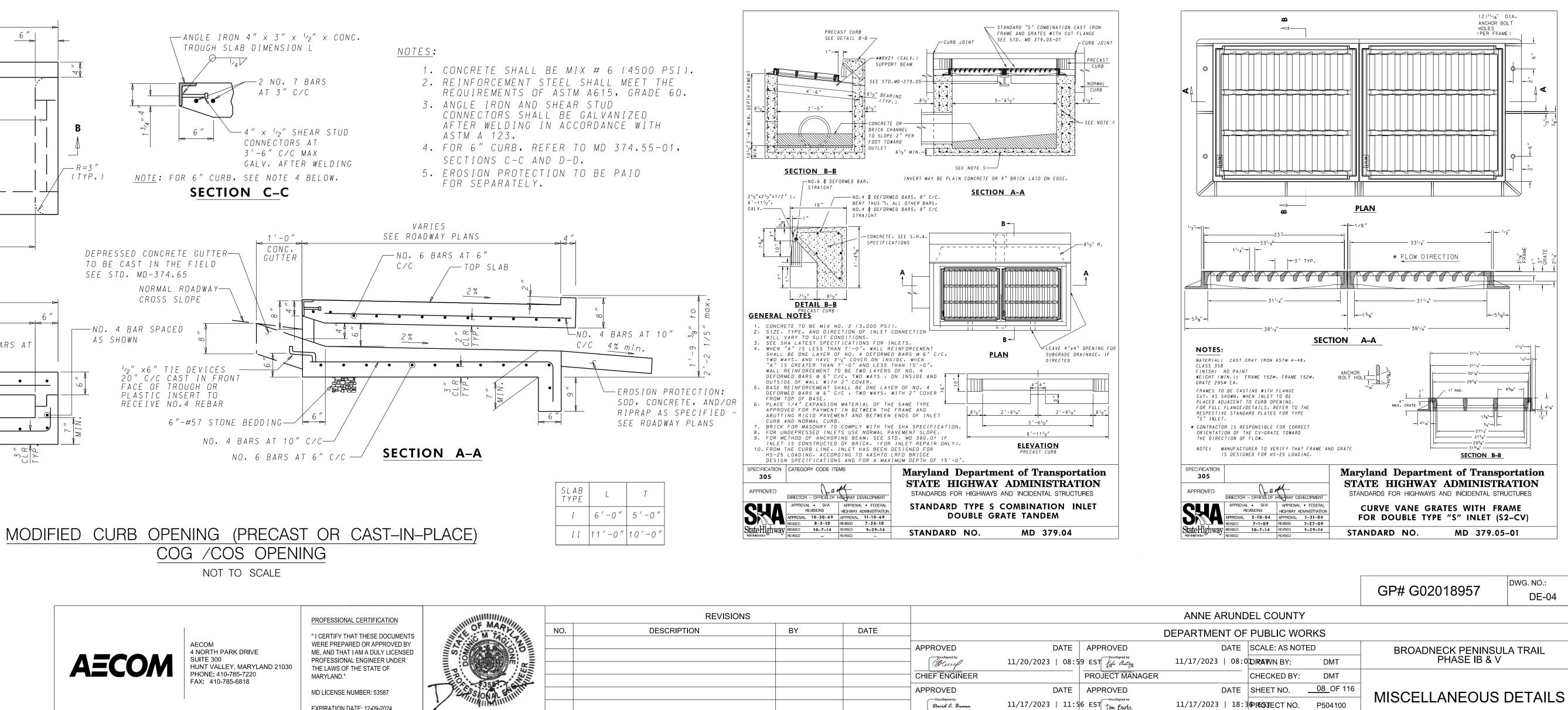
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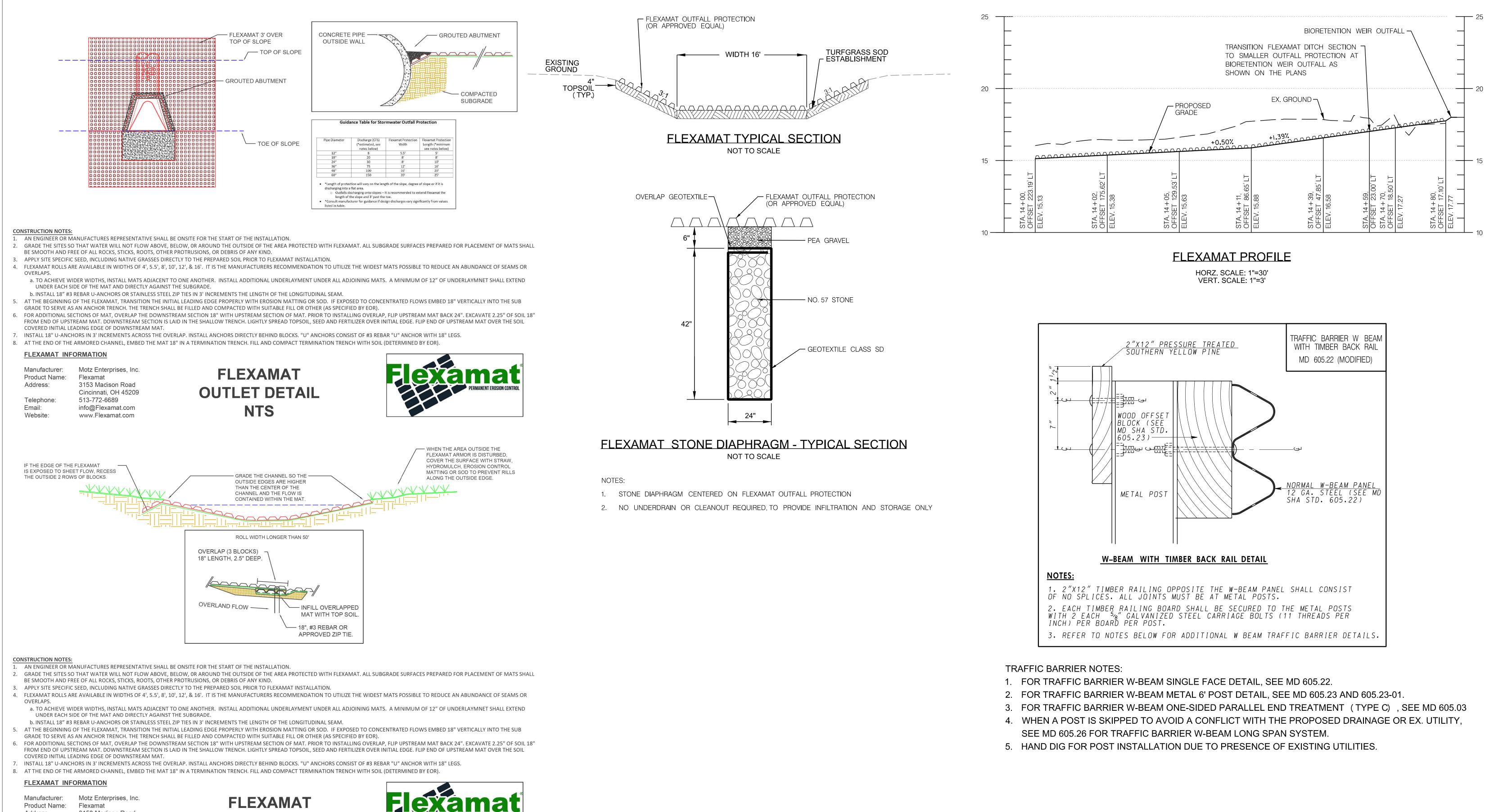
OPENING

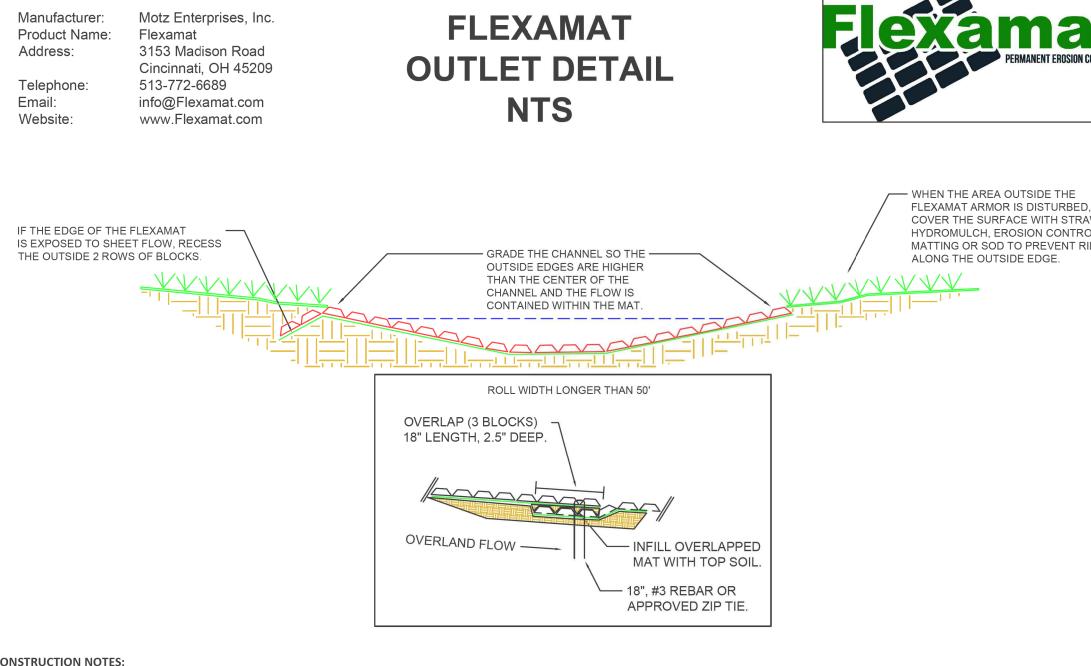


CHIEF, RIGHT OF WAY



	PROFESSIONAL CERTIFICATION			REVISIONS				
	" I CERTIFY THAT THESE DOCUMENTS	OF MARL	NO.	DESCRIPTION	BY	DATE		
0	WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."	BOM STA					APPROVED Docusigned by: BRABY 3140022007 CHIEF ENGLINEER	11/2
	MD LICENSE NUMBER: 53587 EXPIRATION DATE: 12-09-2024	T Estes of AL MUTUL					APPROVED DocuSigned by: David C. Braun	11/1
		06/08/2023					ASSISTANT CHIEF EN	IGINEER





- Address: Telephone: Email: Website:

3153 Madison Road Cincinnati, OH 45209 513-772-6689 info@Flexamat.com www.Flexamat.com

## **STANDARD CHANNEL DETAIL** NTS

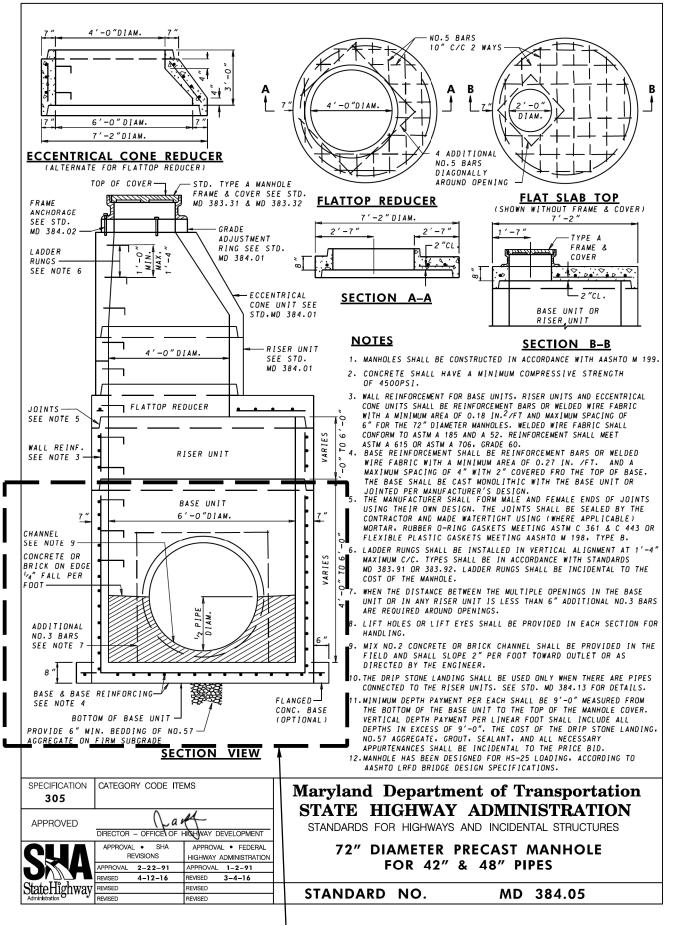


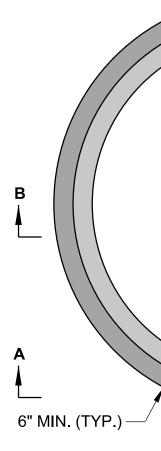
NOTE: CONTRACTOR MAY USE APPROVED EQUAL PRODUCT FOR FLEXAMAT

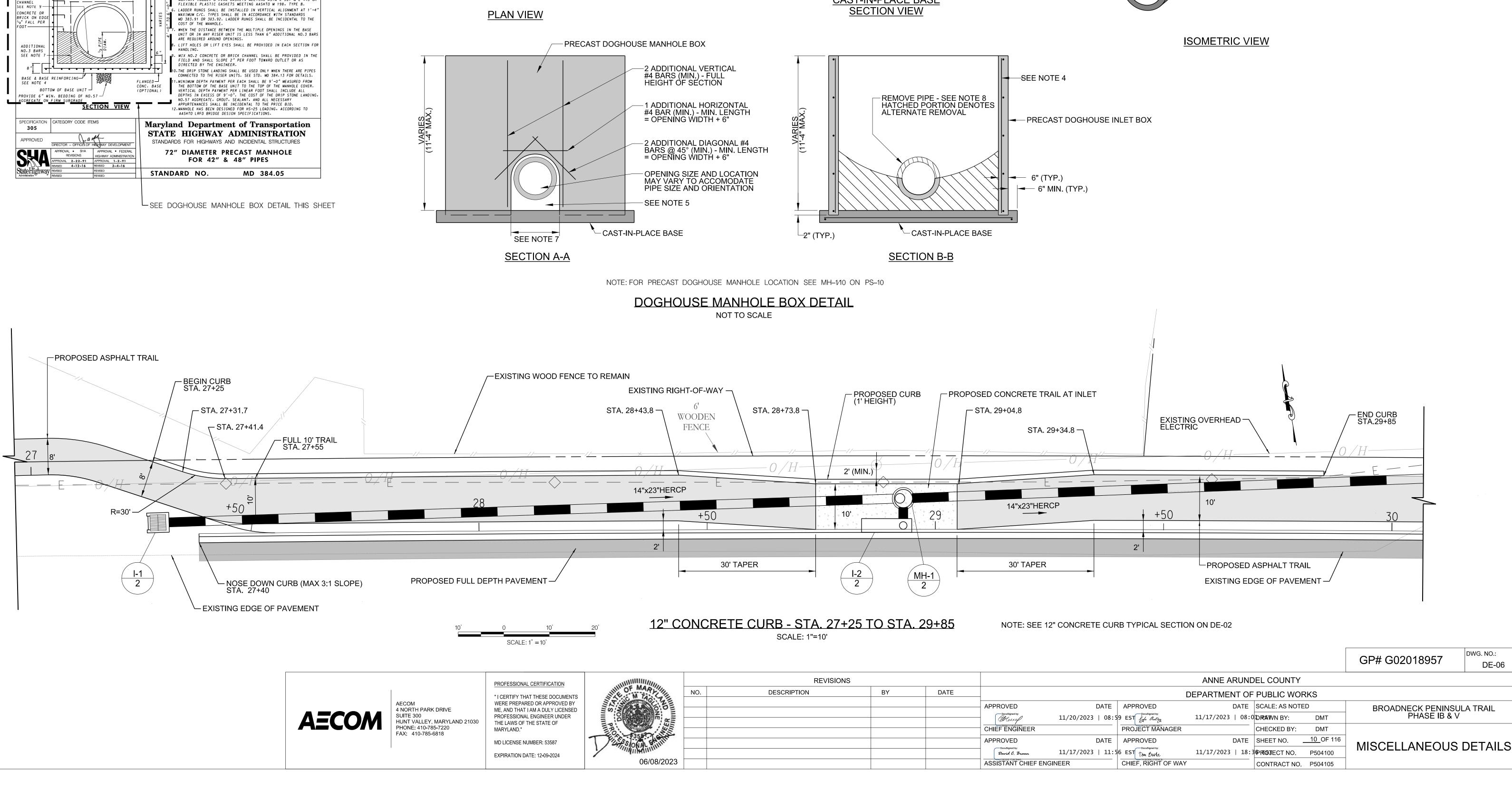


AECOM **4 NORTH PARK DRIVE** SUITE 300 HUNT VALLEY, MARYLAND 21030 PHONE: 410-785-7220 FAX: 410-785-6818

										GP# G02018957	DWG. NO.: DE-05
PROFESSIONAL CERTIFICATION			REVISION	NS				ANNE ARUNDEL COUNTY			
" I CERTIFY THAT THESE DOCUMENTS	OF MARL	NO.	DESCRIPTION	BY	DATE			DEPARTMENT OF PUBLIC WO	RKS		
WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED	EN SOUTH					APPROVED	DATE APPROVED	DATE SCALE: AS NOT	ED	BROADNECK PENINSU	
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF						DocuSigned by:	11/20/2023   08:59 EST Jule Cutur	11/17/2023   08:0 DRAWN BY:	DMT	PHASE IB & V	
MARYLAND."						CHIEF ENGINEER	PROJECT MANAGER	CHECKED BY:	DMT		
MD LICENSE NUMBER: 53587	T Starson Alertin					APPROVED	DATE APPROVED	DATE SHEET NO.	<u>09</u> OF 116	MISCELLANEOUS	
EXPIRATION DATE: 12-09-2024	1 Ministrinity					DocuSigned by: David C. Brann	11/17/2023   11:56 EST Tom Burke	11/17/2023   18:36PREGJECT NO.	P504100	MISCELLANEOUS	DLIAILS
	06/08/2023					ASSISTANT CHIEF EN	IGINEER CHIEF, RIGHT OF WAY	CONTRACT NO	. P504105		

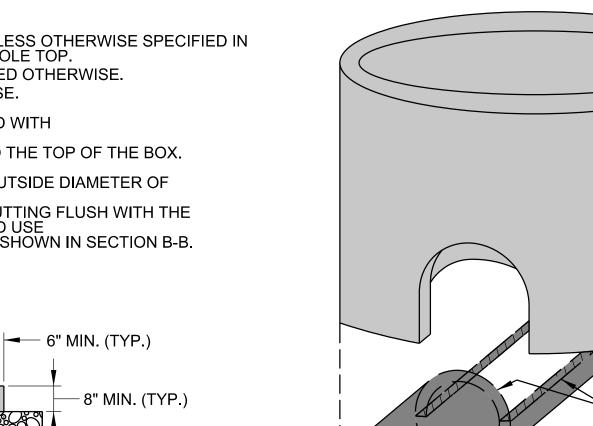


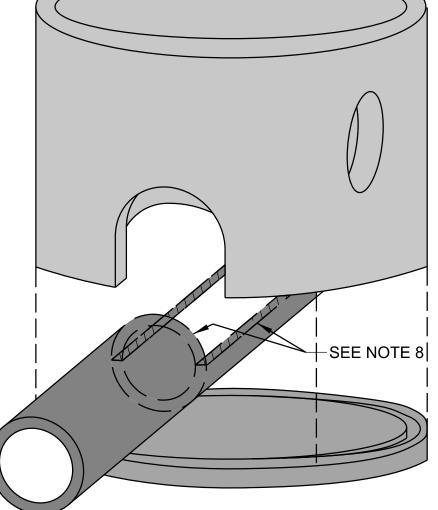




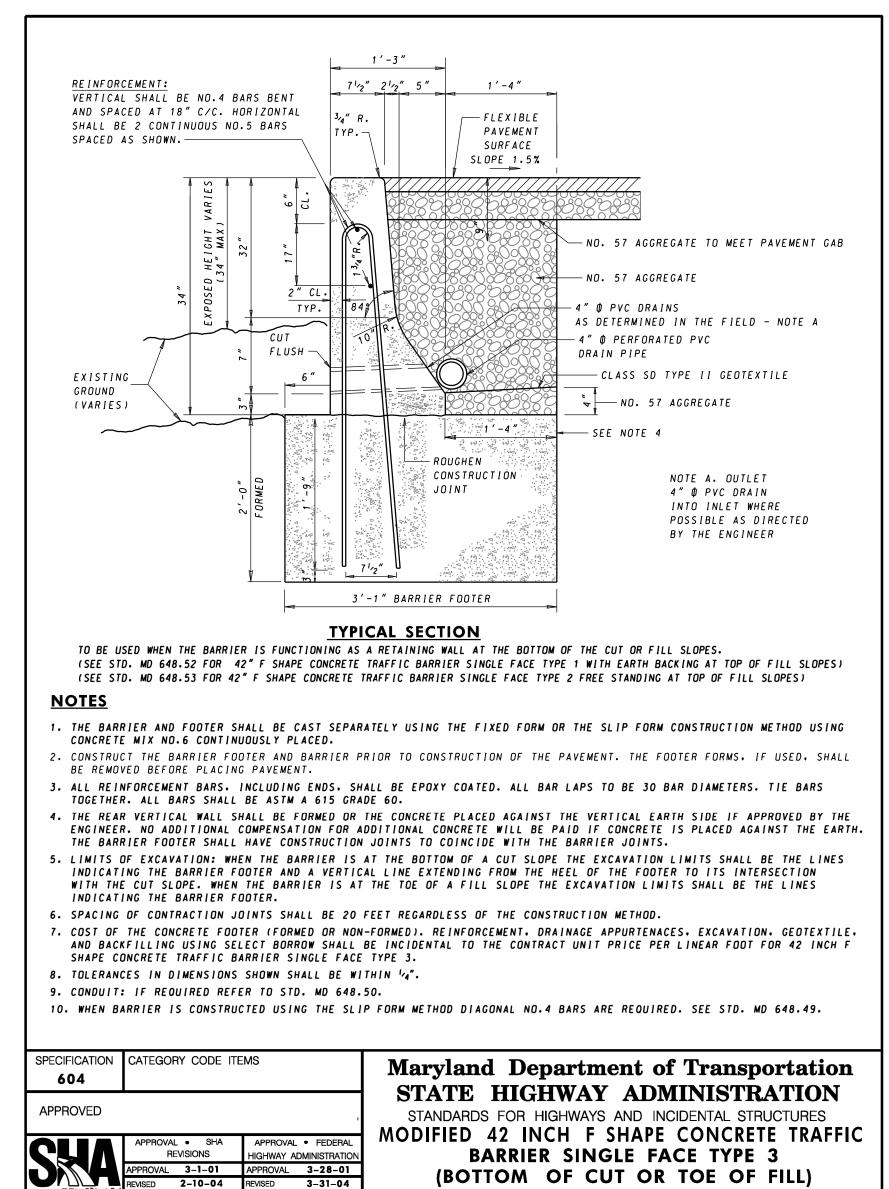


### NOTES: 1). PRECAST THE DOGHOUSE MANHOLE BOX AND CAST-IN-PLACE THE BASE UNLESS OTHERWISE SPECIFIED IN THE CONTRACT. SEE DETAIL MD-384.05 FOR DETAILS AND NOTES FOR MANHOLE TOP. 2). PROVIDE A MINIMUM COVER OF 1 $\frac{1}{2}$ " FOR ALL REINFORCEMENT, UNLESS NOTED OTHERWISE. SUPPORT BOTH ENDS OF THE PIPE DURING THE CONSTRUCTION OF THE BASE. SEE NOTE 3 ON MD-384.05 FOR WALL REINFORCEMENT DETAILS. 3). FILL DOGHOUSE OPENING WITH HIGH STRENGTH, NON-SHRINK GROUT MIXED WITH COARSE AGGREGATE IN A 1:1 RATIO BY WEIGHT. 6). MAINTAIN A MINIMUM OF 12" FROM THE TOP OF THE DOGHOUSE OPENING TO THE TOP OF THE BOX. ADDITIONAL REINFORCEMENT AT PIPE OPENING REQUIRED AS SHOWN. CONSTRUCT DOGHOUSE OPENING BETWEEN 3" AND 4" LARGER THAN THE OUTSIDE DIAMETER OF THE PIPE. DO NOT ENCROACH ON THE ADJACENT WALL. 8). INSIDE THE DOGHOUSE STRUCTURE, REMOVE THE EXISTING PIPE BY SAWCUTTING FLUSH WITH THE INSIDE WALL FACE. ALTERNATELY, REMOVE THE TOP HALF OF THE PIPE AND USE В -SEE NOTE 8 THE REMAINING PIPE SECTION AS THE BOTTOM OF THE FLOW CHANNEL, AS SHOWN IN SECTION B-B. L (OR W) 2" (TYP.<del>)</del> 6" (TYP.) CAST-IN-PLACE BASE 20890008000800080008000080000 1'-0" MIN.-2 00000 00000 00000 00000 #57 STONE (TYP.) #4 @ 6" (TYP.) 7 ½" MIN. (TYP.) 1'-0" MIN. (TYP.) CAST-IN-PLACE BASE



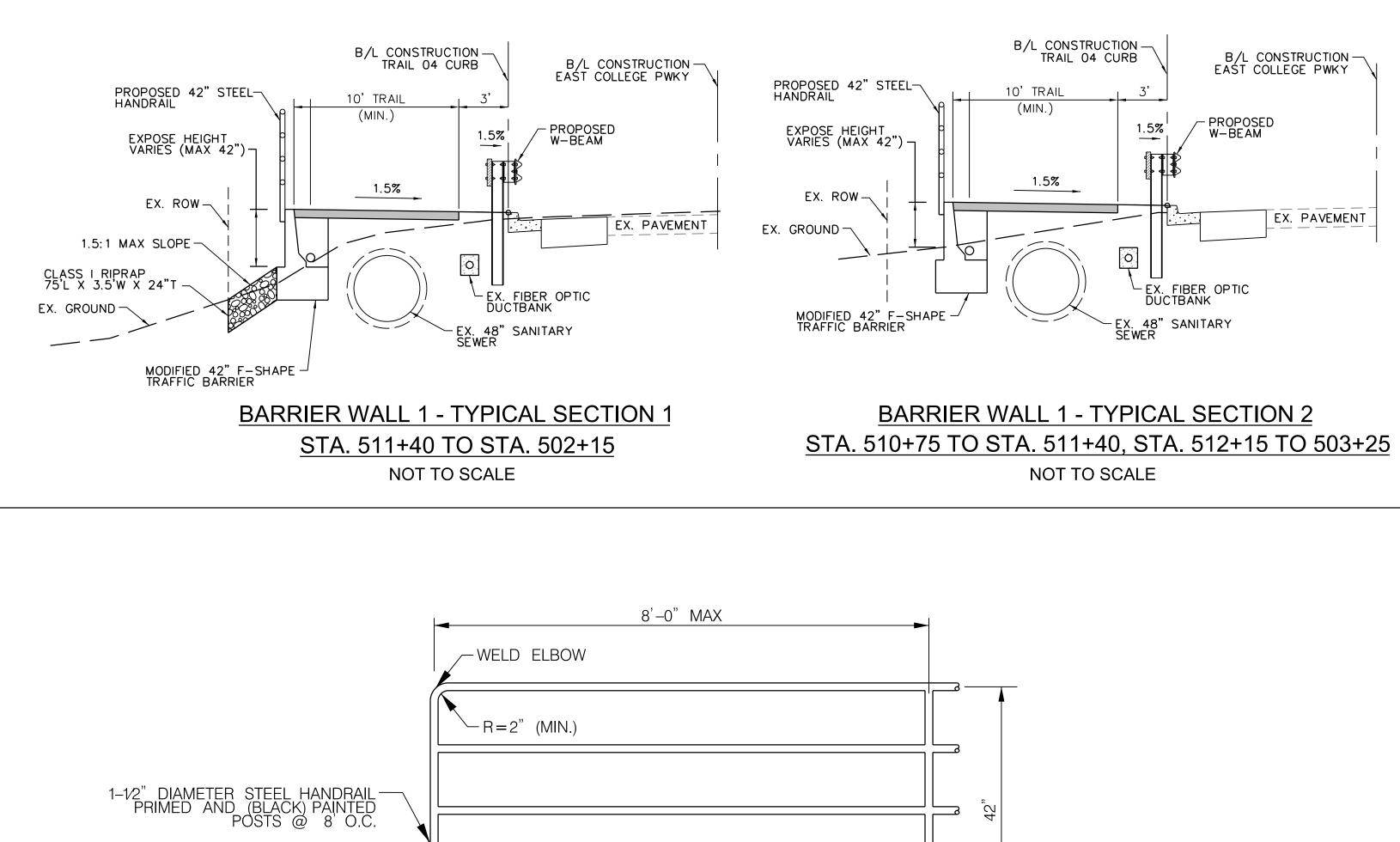


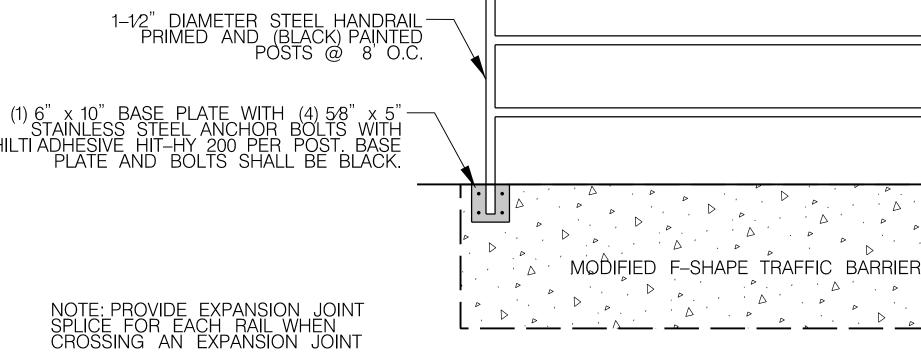
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	RKS	PUBLIC WOF	EPARTMENT OF	C	
BROADNEC	D	SCALE: AS NOTE	DATE	APPROVED	DATE
PH	DMT	ÐRA¶VN BY:	11/17/2023   08:0	9 EST Jule Autry	11/20/2023   08:5
	DMT	CHECKED BY:		PROJECT MANAGER	
	<u>10_</u> OF 116	SHEET NO.	DATE	APPROVED	DATE
MISCELLA	P504100	PREGJECT NO.	11/17/2023   18:3	6 EST Tom Burke	11/17/2023   11:5
	P504105	CONTRACT NO.		CHIEF, RIGHT OF WAY	NEER



## STANDARD NO. MD 648.54-MOD

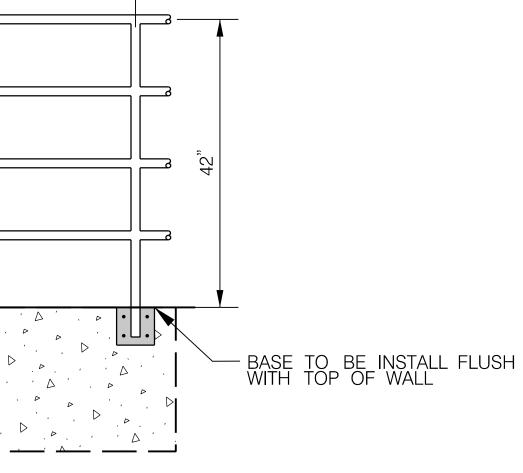




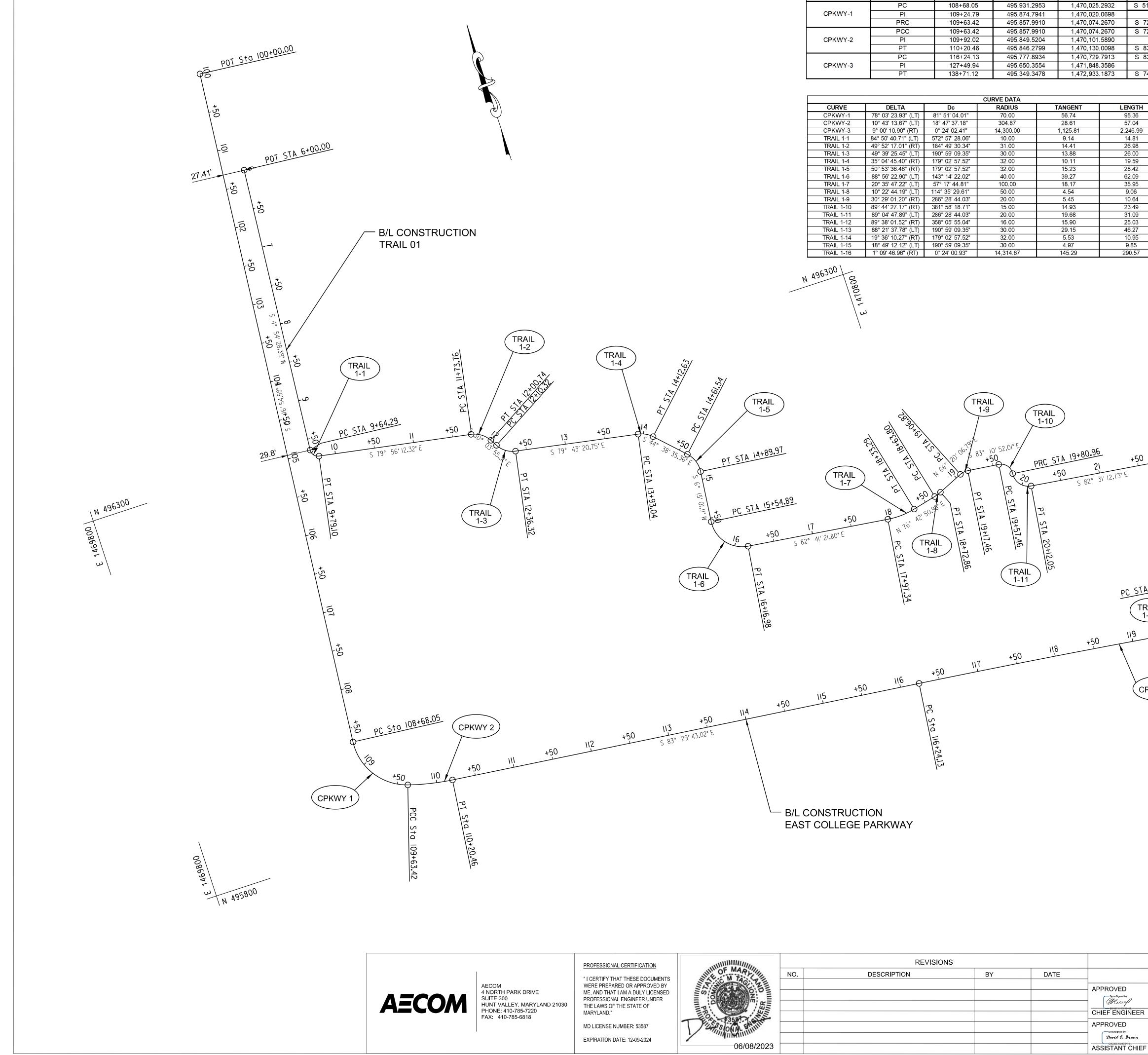


PEDESTRIAN HANDRAIL DETAIL NOT TO SCALE

PROFESSIONAL CERTIFICATION			REVISIONS	5		
" I CERTIFY THAT THESE DOCUMENTS	OF MARL	NO.	DESCRIPTION	BY	DATE	
WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED						
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF						CHIEF BRGINEER
MARYLAND."	35877					
MD LICENSE NUMBER: 53587	2795 ONAL FITTIN					
EXPIRATION DATE: 12-09-2024						David C. Braun
	06/08/2023					ASSISTANT CHIEF ENGIN



						GP# G02018957	DWG. NO.: DE-07
			ANNE ARUNI	DEL COUNTY			
		D	EPARTMENT OF		RKS		
D	ATE	APPROVED	DATE	SCALE: AS NOTE	Ð	BROADNECK PENINSUL	_A TRAIL
11/20/2023	08:5	9 EST Jule Cutry	11/17/2023   08:	01DRAWN BY:	DMT	PHASE IB & V	
R		PROJECT MANAGER		CHECKED BY:	DMT		
D	ATE	APPROVED	DATE	SHEET NO.	<u>11</u> OF 116	BARRIER WALL D	
11/17/2023	11:5	6 EST Jon Burke	11/17/2023   18:	3 PREGJECT NO.	P504100	DARRIER WALL D	ETAILS
EF ENGINEER		CHIEF, RIGHT OF WAY		CONTRACT NO.	P504105		



	CC		CONTROL COORI	DINATES				C		ONTROL COORD	INATES	
CURVE	POINT NO.	STATION	NORTHING COLLEGE PARKWAY	EASTING	BEARING		CURVE	POINT NO.	STATION	NORTHING	EASTING	BEARING
	POB	100+00	496,795.6620	1,470,105.2015	S 5° 16' 54.58" W			POB	6+00	496,662.4277	1,470,120.3636	S 4° 54' 28.39" W
CPKWY-1	PC PI	108+68.05 109+24.79	495,931.2953 495,874.7941	1,470,025.2932 1,470,020.0698	S 51° 58' 41.39" E		TRAIL 1-1	PC PI	9+64.29 9+73.43	496,299.4716 496,290.3667	1,470,089.1970 1,470,088.4151	S 4° 54' 28.39" W
	PRC PCC	109+63.42 109+63.42	495,857.9910 495,857.9910	1,470,074.2670 1,470,074.2670	S 72° 46' 29.35" E S 72° 46' 29.35" E			PT PC	9+79.10 11+73.76	496,288.7699 496,254.7563	1,470,097.4129 1,470,289.0762	S 79° 56' 12.32" E S 79° 56' 12.32" E
CPKWY-2	PI PT	109+92.02 110+20.46	495,849.5204 495,846.2799	1,470,101.5890 1,470,130.0098	S 83° 29' 43.02" E		TRAIL 1-2	PI PT	11+88.17 12+00.74	496,252.2378 496,239.7638	1,470,303.2676 1,470,310.4885	S 30° 03' 55.31" E
CPKWY-3	PC PI	116+24.13 127+49.94	495,777.8934 495,650.3554	1,470,729.7913 1,471,848.3586	S 83° 29' 43.02" E		TRAIL 1-3	PC PI	12+10.32 12+24.20	496,231.4712 496,219.4586	1,470,315.2888 1,470,322.2426	S 30° 03' 55.31" E
	PT	138+71.12	495,349.3478	1,472,933.1873	S 74° 29' 32.11" E			PT PC	12+36.32 13+93.04	496,216.9822 496,189.0208	1,470,335.9000 1,470,490.1045	S 79° 43' 20.75" E S 79° 43' 20.75" E
			CURVE DATA				TRAIL 1-4	PI PT	14+03.16 14+12.63	496,187.2163 496,180.0203	1,470,500.0561 1,470,507.1631	S 44° 38' 35.36" E
CURVE CPKWY-1	DELTA 78° 03' 23.93" (LT)	Dc 81° 51' 04.01"	RADIUS 70.00	<b>TANGENT</b> L	<b>ENGTH EXTERNAL</b> 95.36 20.11			PC	14+61.54	496, 145. 2235	1,470,541.5292	S 44° 38' 35.36" E
CPKWY-2 CPKWY-3	10° 43' 13.67" (LT) 9° 00' 10.90" (RT)	18° 47' 37.18" 0° 24' 02.41"	304.87 14,300.00	28.61	57.04         1.34           2,246.99         44.25		TRAIL 1-5	PI PT	14+76.77 14+89.97	496,134.3897 496,119.2535	1,470,552.2288 1,470,550.5710	S 6° 15' 01.11" W
TRAIL 1-1 TRAIL 1-2	84° 50' 40.71" (LT) 49° 52' 17.01" (RT)	572° 57' 28.06" 184° 49' 30.34"	10.00 31.00	9.14	14.81         3.55           26.98         3.19		TRAIL 1-6	PC PI	15+54.89 15+94.16	496,054.7129 496,015.6798	1,470,543.5024 1,470,539.2273	S 6° 15' 01.11" W
TRAIL 1-3 TRAIL 1-4	49° 39' 25.45" (LT) 35° 04' 45.40" (RT)	190° 59' 09.35" 179° 02' 57.52"	30.00 32.00		26.00         3.06           19.59         1.56			PT PC	16+16.98 17+97.34	496,010.6832 495,987.7332	1,470,578.1746 1,470,757.0642	S 82° 41' 21.80" E S 82° 41' 21.80" E
TRAIL 1-5 TRAIL 1-6	50° 53' 36.46" (RT) 88° 56' 22.90" (LT)	179° 02' 57.52" 143° 14' 22.02"	32.00 40.00	15.23 39.27	28.42         3.44           62.09         16.05		TRAIL 1-7	PI	18+15.51	495,985.4212	1,470,775.0863	
TRAIL 1-7 TRAIL 1-8	20° 35' 47.22" (LT) 10° 22' 44.19" (LT)	57° 17' 44.81" 114° 35' 29.61"	100.00 50.00	18.17 4.54	35.95         1.64           9.06         0.21			PT PC	18+33.29 18+63.80	495,989.5968 495,996.6098	1,470,792.7699 1,470,822.4702	N 76° 42' 50.98" E N 76° 42' 50.98" E
TRAIL 1-9 TRAIL 1-10	30° 29' 01.20" (RT) 89° 44' 27.17" (RT)	286° 28' 44.03" 381° 58' 18.71"	20.00 15.00	5.45	10.64         0.73           23.49         6.17		TRAIL 1-8	PI PT	18+68.34 18+72.86	495,997.6534 495,999.4762	1,470,826.8897 1,470,831.0489	N 66° 20' 06.79" E
TRAIL 1-11 TRAIL 1-12	89° 04' 47.89" (LT) 89° 38' 01.52" (RT)	286° 28' 44.03" 358° 05' 55.04"	20.00 16.00		31.09         8.06           25.03         6.56		TRAIL 1-9	PC PI	19+06.82 19+12.27	496,013.1056 496,015.2930	1,470,862.1496 1,470,867.1409	N 66° 20' 06.79" E
TRAIL 1-12 TRAIL 1-13 TRAIL 1-14	88° 21' 37.78" (LT) 19° 36' 10.27" (RT)	190° 59' 09.35" 179° 02' 57.52"	30.00 32.00	29.15 5.53	46.27         11.83           10.95         0.47		IRAIL 1-9	PT	19+17.46	496,014.6459	1,470,872.5519	S 83° 10' 52.01" E
TRAIL 1-14 TRAIL 1-15 TRAIL 1-16	18° 49' 12.12" (LT) 1° 09' 46.96" (RT)		30.00 14,314.67	4.97	9.85         0.41           290.57         0.74		TRAIL 1-10	PC PI	19+57.46 19+72.40	496,009.8959 496,008.1230	1,470,912.2754 1,470,927.1021	S 83° 10' 52.01" E
	1 09 40.90 (RT)	0 24 00.95	14,514.07	145.29	290.37 0.74			PRC PCC	19+80.96 19+80.96	495,993.2884 495,993.2884	1,470,925.3962 1,470,925.3962	S 6° 33' 35.16" W S 6° 33' 35.16" W
N 496300							TRAIL 1-11	PI	20+00.64	495,973.7359	1,470,923.1478	
N 49030 0080141								PT PC	20+12.05 21+92.72	495,971.1738 495,947.6555	1,470,942.6617 1,471,121.7889	S 82° 31' 12.73" E S 82° 31' 12.73" E
4							TRAIL 1-12	PI PT	22+08.62 22+17.75	495,945.5860 495,929.8103	1,471,137.5517 1,471,135.5829	S 7° 06' 48.78" W
	-							PC	23+62.33	495,786.3424	1,471,117.6786	S 7° 06' 48.78" W
v							TRAIL 1-13	PI PT	23+91.48 24+08.59	495,757.4132 495,752.9767	1,471,114.0683 1,471,142.8824	S 81° 14' 49.00" E
							TRAIL 1-14	PC PI	27+03.77 27+09.29	495,708.0587 495,707.2174	1,471,434.6157 1,471,440.0795	S 81° 14' 49.00" E
								PT PC	27+14.71 27+45.43	495,704.5918 495,690.0018	1,471,444.9443 1,471,117.6786	S 61° 38' 38.73" E S 61° 38' 38.73" E
					22.		TRAIL 1-15	PI	27+50.40	495,687.6405	1,471,476.3530	
		TRA			21+92	$\frown$		PRC PCC	27+55.29 27+55.29	495,686.8168 495,686.8168	1,471,481.2562 1,471,481.2562	S 80° 27' 50.85" E S 80° 27' 50.85" E
	-a)	1- 5 20' 06' 083°	9 (TRAII 1-10	-	STA	TRAIL	TRAIL 1-16	PI PT	29+00.58 30+45.86	495,662.7471 495,635.7741	1,471,624.5398 1,471,767.3053	S 79° 18' 03.90" E
17 +50 32° 41′ 21.80" E	0 II6		STA 20+12.03 9+57.46 TRAIL 1-11	2 7	PC STA 23+62.33 TRAIL 1-13 119 +50 CPKWY 3	000+ 200 PT STA 2	+50 121	+50 \$ 81° 14' 49.00" +50 122	26 +50 E +50	VIS JA 20 10 10 10 10 10 10 10 10 10 10 10 10 10	1-16 1-16 28 0 28 0 124 +50 3% PRC STA 27+55.29	MATCHLINE STA. SEE DWG NO
CONSTRUCT	PARKWAY	1010110					60′ 	O SCALE:	1″=60′	<sup>20′</sup> GP#	# G02018957	DWG. NO.: GS-01
	REV DESCRIPTION	/ISIONS	BY DA	TE			DEF	ANNE ARUND	PUBLIC WORKS			
							PPROVED	DATE	SCALE: AS NOTED	В	ROADNECK PENI	
				CHIEF EN	2032409	023   08:59 E	ST Jule Clutur 11 ROJECT MANAGER	L/17/2023   08:0		DMT TMC	PHASE IB	& V

CURVE	POINT NO.	STATION	NORTH COLLEGE PARK	ING EA	STING	BEA	RING			CURVE	POINT NO.	STATION		EASTING	BEARING
	РОВ	100+00	496,795.	6620 1,470	105.2015		54.58" W				POB	6+00	<b>TRAIL 01</b> 496,662.4277	1,470,120.3636	S 4° 54' 28.39" W
CPKWY-1	PC PI	108+68.05 109+24.79	495,931.2 495,874.		025.2932	S 51° 58	' 41.39" E			TRAIL 1-1	PC PI	9+64.29 9+73.43	496,299.4716 496,290.3667	1,470,089.1970 1,470,088.4151	S 4° 54' 28.39" W
	PRC PCC	109+63.42 109+63.42	495,857.9 495,857.9	9910 1,470	074.2670	_	6' 29.35" E 6' 29.35" E		_		PT PC	9+79.10 11+73.76	496,288.7699 496,254.7563	1,470,097.4129 1,470,289.0762	S 79° 56' 12.32" E S 79° 56' 12.32" E
CPKWY-2	PI	109+92.02	495,849.	5204 1,470	101.5890					TRAIL 1-2	PI	11+88.17	496,252.2378	1,470,303.2676	
	PT PC	110+20.46 116+24.13	495,846.2 495,777.3	8934 1,470	130.0098 729.7913		9' 43.02" E 9' 43.02" E		-		PT PC	12+00.74 12+10.32	496,239.7638 496,231.4712	1,470,310.4885 1,470,315.2888	S 30° 03' 55.31" E S 30° 03' 55.31" E
CPKWY-3	PI PT	127+49.94 138+71.12	495,650.3 495,349.3		848.3586 933.1873	S 74° 29	9' 32.11" E			TRAIL 1-3	PI PT	12+24.20 12+36.32	496,219.4586 496,216.9822	1,470,322.2426 1,470,335.9000	S 79° 43' 20.75" E
		•		I ·		•				TRAIL 1-4	PC Pl	13+93.04 14+03.16	496,189.0208 496,187.2163	1,470,490.1045 1,470,500.0561	S 79° 43' 20.75" E
			CURVE DATA			FNOTU					PT	14+12.63	496, 180. 0203	1,470,507.1631	S 44° 38' 35.36" E
CURVE CPKWY-1	DELTA 78° 03' 23.93" (LT)	Dc 81° 51' 04.01"	<b>RADIUS</b> 70.00	<b>TANGENT</b> 56.74		<b>ENGTH</b> 95.36	<b>EXTERNAL</b> 20.11			TRAIL 1-5	PC PI	14+61.54 14+76.77	496,145.2235 496,134.3897	1,470,541.5292 1,470,552.2288	S 44° 38' 35.36" E
CPKWY-2 CPKWY-3	10° 43' 13.67" (LT) 9° 00' 10.90" (RT)	18° 47' 37.18" 0° 24' 02.41"	304.87 14,300.00	28.61 1,125.81	2	57.04 ,246.99	1.34 44.25				PT PC	14+89.97 15+54.89	496,119.2535 496,054.7129	1,470,550.5710 1,470,543.5024	S 6° 15' 01.11" W S 6° 15' 01.11" W
TRAIL 1-1 TRAIL 1-2	84° 50' 40.71" (LT) 49° 52' 17.01" (RT)	572° 57' 28.06" 184° 49' 30.34"	10.00 31.00	9.14 14.41		14.81 26.98	3.55 3.19			TRAIL 1-6	PI	15+94.16	496,015.6798	1,470,539.2273	
TRAIL 1-3 TRAIL 1-4	49° 39' 25.45" (LT) 35° 04' 45.40" (RT)	190° 59' 09.35" 179° 02' 57.52"	30.00 32.00	13.88 10.11		26.00 19.59	3.06 1.56				PT PC	16+16.98 17+97.34	496,010.6832 495,987.7332	1,470,578.1746 1,470,757.0642	S 82° 41' 21.80" E S 82° 41' 21.80" E
TRAIL 1-5 TRAIL 1-6	50° 53' 36.46" (RT) 88° 56' 22.90" (LT)	179° 02' 57.52" 143° 14' 22.02"	32.00 40.00	15.23 39.27		28.42 62.09	3.44 16.05			TRAIL 1-7	PI PT	18+15.51 18+33.29	495,985.4212 495,989.5968	1,470,775.0863 1,470,792.7699	N 76° 42' 50.98" E
TRAIL 1-7 TRAIL 1-8	20° 35' 47.22" (LT) 10° 22' 44.19" (LT)	57° 17' 44.81" 114° 35' 29.61"	100.00 50.00	18.17 4.54		35.95 9.06	1.64 0.21				PC	18+63.80	495,996.6098	1,470,822.4702	N 76° 42' 50.98" E
TRAIL 1-9 TRAIL 1-10	30° 29' 01.20" (RT) 89° 44' 27.17" (RT)	286° 28' 44.03" 381° 58' 18.71"	20.00 15.00	5.45 14.93		10.64 23.49	0.73 6.17			TRAIL 1-8	PI PT	18+68.34 18+72.86	495,997.6534 495,999.4762	1,470,826.8897 1,470,831.0489	N 66° 20' 06.79" E
TRAIL 1-11 TRAIL 1-12	89° 04' 47.89" (LT) 89° 38' 01.52" (RT)	286° 28' 44.03" 358° 05' 55.04"	20.00 16.00	19.68 15.90		31.09 25.03	8.06 6.56			TRAIL 1-9	PC PI	19+06.82 19+12.27	496,013.1056 496,015.2930	1,470,862.1496 1,470,867.1409	N 66° 20' 06.79" E
TRAIL 1-13 TRAIL 1-14	88° 21' 37.78" (LT) 19° 36' 10.27" (RT)	190° 59' 09.35" 179° 02' 57.52"	30.00 32.00	29.15 5.53		46.27 10.95	11.83 0.47				PT	19+17.46	496,014.6459	1,470,872.5519	S 83° 10' 52.01" E
TRAIL 1-15 TRAIL 1-16	18° 49' 12.12" (LT) 1° 09' 46.96" (RT)	190° 59' 09.35" 0° 24' 00.93"	30.00 14,314.67	4.97		9.85 290.57	0.41			TRAIL 1-10	PC PI	19+57.46 19+72.40	496,009.8959 496,008.1230	1,470,912.2754 1,470,927.1021	S 83° 10' 52.01" E
			.,			- *					PRC PCC	19+80.96 19+80.96	495,993.2884 495,993.2884	1,470,925.3962 1,470,925.3962	S 6° 33' 35.16" W S 6° 33' 35.16" W
N 496300										TRAIL 1-11	PI	20+00.64	495,973.7359	1,470,923.1478	
N 496300 0080141									-		PT PC	20+12.05 21+92.72	495,971.1738 495,947.6555	1,470,942.6617 1,471,121.7889	S 82° 31' 12.73" E S 82° 31' 12.73" E
										TRAIL 1-12	PI PT	22+08.62 22+17.75	495,945.5860 495,929.8103	1,471,137.5517 1,471,135.5829	S 7° 06' 48.78" W
										TRAIL 1-13	PC PI	23+62.33 23+91.48	495,786.3424	1,471,117.6786	S 7° 06' 48.78" W
										11VAIL 1-13	PT	24+08.59	495,757.4132 495,752.9767	1,471,114.0683 1,471,142.8824	S 81° 14' 49.00" E
										TRAIL 1-14	PC PI	27+03.77 27+09.29	495,708.0587 495,707.2174	1,471,434.6157 1,471,440.0795	S 81° 14' 49.00" E
											PT	27+14.71	495,704.5918	1,471,444.9443	S 61° 38' 38.73" E
						.12				TRAIL 1-15	PC Pl	27+45.43 27+50.40	495,690.0018 495,687.6405	1,471,117.6786 1,471,476.3530	S 61° 38' 38.73" E
		TR				21+92	١	$\frown$	_		PRC PCC	27+55.29 27+55.29	495,686.8168 495,686.8168	1,471,481.2562 1,471,481.2562	S 80° 27' 50.85" E S 80° 27' 50.85" E
	67. FE + 81 41 5 3		$\circ$ /	TRAIL 1-10		<1A 2	1 /	TRAIL		TRAIL 1-16	PI PT	29+00.58 30+45.86	495,662.7471 495,635.7741	1,471,624.5398 1,471,767.3053	S 79° 18' 03.90" E
17 +50 82° 41′ 21.80" E	0 II6	DO. PT PT STA	<u>STA 19+57.46</u> TRAIL 1-11 +50	PT STA 20+12.05		TRAIL 1-13 119 CPKW	+62.33 +50	+50 24 120	+50	+50 25 121	+50 \$ 81° 14' 49.00" E +50 122	26 +50 +50	27.98' C STA 27+103.77 27.98' C STA 27+14.71 27.98' C STA 27+14.71 27.98' C STA 27+14.71 27.98' C STA 27+14.71	17 10	MATCHLINE STA. 125 SEE DWG NO. GS-
CONSTRUCT	PARKWAY	/ISIONS								60′	0 SCALE: 1 ANNE ARUNDE	"=60′	20' GP;	# G02018957	DWG. NO.: GS-01
	DESCRIPTION		BY	DATE							PARTMENT OF P				
									APPRO		DATE S	CALE: AS NOTED	В		
					CHIEF ENG	7	11/20/20	)23   08:59 F		Lustigned by: La Curtury 11 20003118829401 CT MANAGER	L/17/2023   08:0 C		DMT DMT	PHASE IB	& V

PROFESSIONAL CERTIFICATION			REVISIONS				
" 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."	OF MARL PLO	NO.	DESCRIPTION	BY	DATE	APPROVED BROW	11/20
MD LICENSE NUMBER: 53587 EXPIRATION DATE: 12-09-2024	06/08/2023					APPROVED Docusigned by: Darid C. Brown ASSISTANT CHIEF EI	11/1 NGINEER

GEOMETRIC LAYOUT

CHECKED BY: DMT PROJECT MANAGER DATE SHEET NO. <u>12</u>OF 116 DATE APPROVED

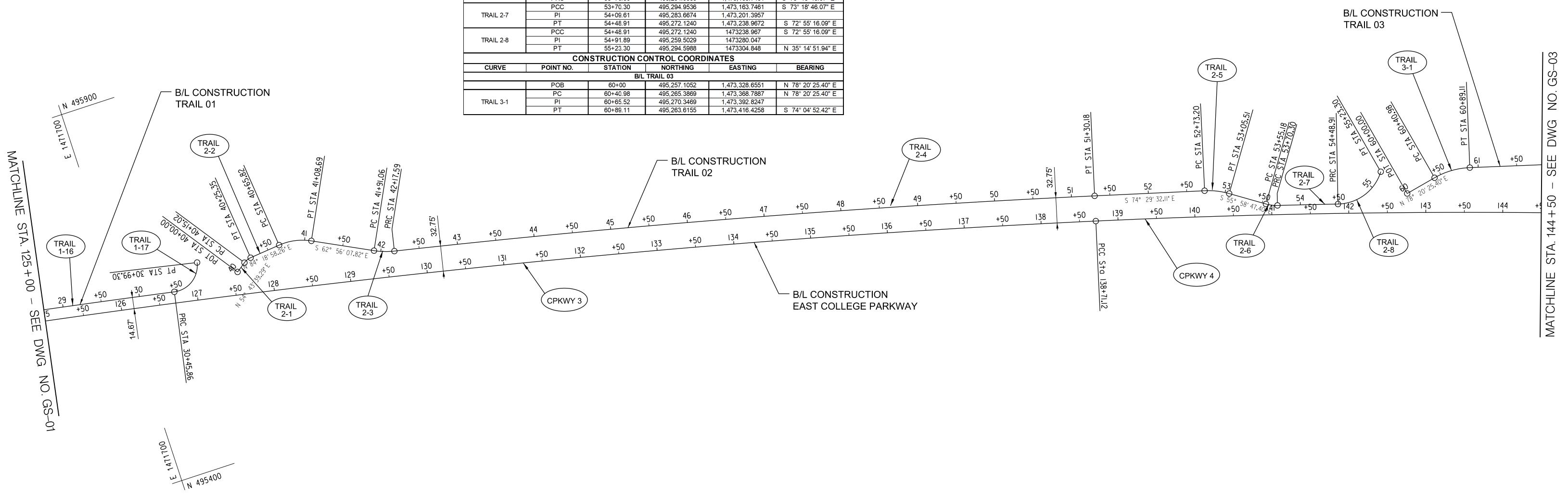
11/17/2023 | 18:3**年授J**ECT NO. P504100

CONTRACT NO. P504105

 11/17/2023
 11:56
 EST
 DocuSigned by:

 INEER
 CHIEF, RIGHT OF WAY

			CURVE DATA			
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CPKWY-3	9° 00' 10.90" (RT)	0° 24' 02.41"	14,300.00	1,125.81	2,246.99	44.25
CPKWY-4	3° 28' 24.70" (RT)	0° 33' 22.57"	10,300.00	312.31	624.43	4.73
TRAIL 1-17	89° 10' 53.43" (LT)	166° 52' 51.86"	34.33	33.85	53.44	13.88
TRAIL 2-1	29° 35' 18.97" (RT)	286° 28' 44.03"	20.00	5.28	10.33	0.69
TRAIL 2-2	32° 44' 53.93" (RT)	76° 23' 39.74"	75.00	22.04	42.87	3.17
TRAIL 2-3	15° 12' 17.54" (LT)	57° 17' 44.81"	100.00	13.35	26.54	0.89
TRAIL 2-4	3° 38' 53.25" (RT)	0° 23' 59.12"	14,332.75	456.45	912.59	7.27
TRAIL 2-5	18° 30' 44.71" (RT)	57° 17' 44.81"	100.00	16.30	32.31	32.31
TRAIL 2-6	17° 19' 58.67" (LT)	114° 35' 29.61"	50.00	7.62	15.13	0.58
TRAIL 2-7	0° 23' 29.98" (RT)	0° 29' 53.66"	11,499.67	39.30	78.61	0.07
TRAIL 2-8	71° 49' 51.97" (LT)	96° 33' 57.51"	59.33	42.97	74.39	13.93
TRAIL 3-1	27° 34' 42.18" (RT)	57° 17' 44.81"	100.00	24.54	48.13	2.97





CURVE

CPKWY-3

CPKWY-4

CURVE

TRAIL 1-17

CURVE

TRAIL 2-1

TRAIL 2-2

TRAIL 2-3

TRAIL 2-4

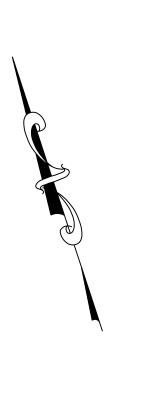
TRAIL 2-5

TRAIL 2-6

	CO	NSTRUCTION CO	ONTROL COORDI	NATES	
	POINT NO.	STATION	NORTHING	EASTING	BEARING
		B/L EAST CO	LLEGE PARKWAY	I	
	PC	116+24.13	495,777.8934	1,470,729.7913	S 83° 29' 43.02" E
F	PI	127+49.94	495,650.3554	1,471,848.3586	
F	PRC	138+71.12	495,349.3478	1,472,933.1873	S 74° 29' 32.11" E
	PCC	138+71.12	495,349.3478	1,472,933.1873	S 74° 29' 32.11" E
Ē	PI	141+83.43	495,265.8454	1,473,234.1293	
Ē	PRC	144+95.55	495, 164. 2631	1,473,529.4592	S 71° 01' 07.41" E
	CO	NSTRUCTION CO	ONTROL COORDI	NATES	
	POINT NO.	STATION	NORTHING	EASTING	BEARING
			TRAIL 01	I	
	PCC	30+45.86	495,635.7741	1,471,767.3053	S 79° 18' 03.90" E
- [	PI	30+79.71	495,629.4906	1,471,800.5633	
	PT	30+99.30	495,662.6554	1,471,807.3212	N 11° 31' 02.68" E
	CO	NSTRUCTION CO	ONTROL COORDI	NATES	
	POINT NO.	STATION	NORTHING	EASTING	BEARING
		B/L	TRAIL 02		
	POB	40+00	495,634.6356	1,471,853.4518	N 54° 43' 39.29" E
	PC	40+15.02	495,643.3083	1,471,865.7132	N 54° 43' 39.29" E
Ē	PI	40+20.30	495,646.3585	1,471,870.0256	
Γ	PT	40+25.35	495,646.8817	1,471,875.2817	N 84° 18' 58.26" E
	PC	40+65.82	495,650.8901	1,471,915.5558	N 84° 18' 58.26" E
Γ	PI	40+87.86	495,653.0726	1,471,937.4844	
	PT	41+08.69	495,643.0459	1,471,957.1082	S 62° 56' 07.82" E
	PC	41+91.06	495,605.5690	1,472,030.4565	S 62° 56' 07.82" E
	PI	42+04.40	495,599.4961	1,472,042.3421	
	PT	42+17.59	495,596.7531	1,472,055.4044	S 78° 08' 25.36" E
L	PC	42+17.59	495,596.7531	1,472,055.4044	S 78° 08' 25.36" E
ļ	PI	46+74.04	495,502.9460	1,472,502.1110	
	PRC	51+30.18	495,380.9056	1,472,941.9436	S 74° 29' 32.11" E
L	PCC	52+73.20	495,342.6671	1,473,079.7547	S 74° 29' 32.11" E
⊢	PI	52+89.50	495,338.3097	1,473,095.4586	
_	PRC	53+05.51	495,329.1917	1,473,108.9663	S 55° 58' 47.40" E
⊢	PC	53+55.18	495,301.4059	1,473,150.1292	S 55° 58' 47.40" E
⊦	PI	53+62.80	495,297.1420	1,473,156.4459	
_	PRC	53+70.30	495,294.9536	1,473,163.7461	S 73° 18' 46.07" E
⊦	PCC	53+70.30	495,294.9536	1,473,163.7461	S 73° 18' 46.07" E
⊦	PI PT	54+09.61	495,283.6674	1,473,201.3957	0 70° 55' 16 00" 5
-		54+48.91	495,272.1240	1,473,238.9672	S 72° 55' 16.09" E S 72° 55' 16.09" E
⊦	PCC Pl	54+48.91 54+91.89	495,272.1240	1473238.967 1473280.047	5 12 33 10.09 E
⊦	PT	55+23.30	495,259.5029 495,294.5988	1473200.047	N 35° 14' 51.94" E
			ONTROL COORDI		N 55 14 51.94 L
	POINT NO.	STATION CO		EASTING	BEARING
			TRAIL 03		
	POB	60+00	495,257.1052	1,473,328.6551	N 78° 20' 25.40" E
+	PC	60+40.98	495,265.3869	1,473,368.7887	N 78° 20' 25.40" E
ŀ	PI	60+65.52	495,270.3469	1,473,392.8247	11 70 20 20. <del>1</del> 0 L

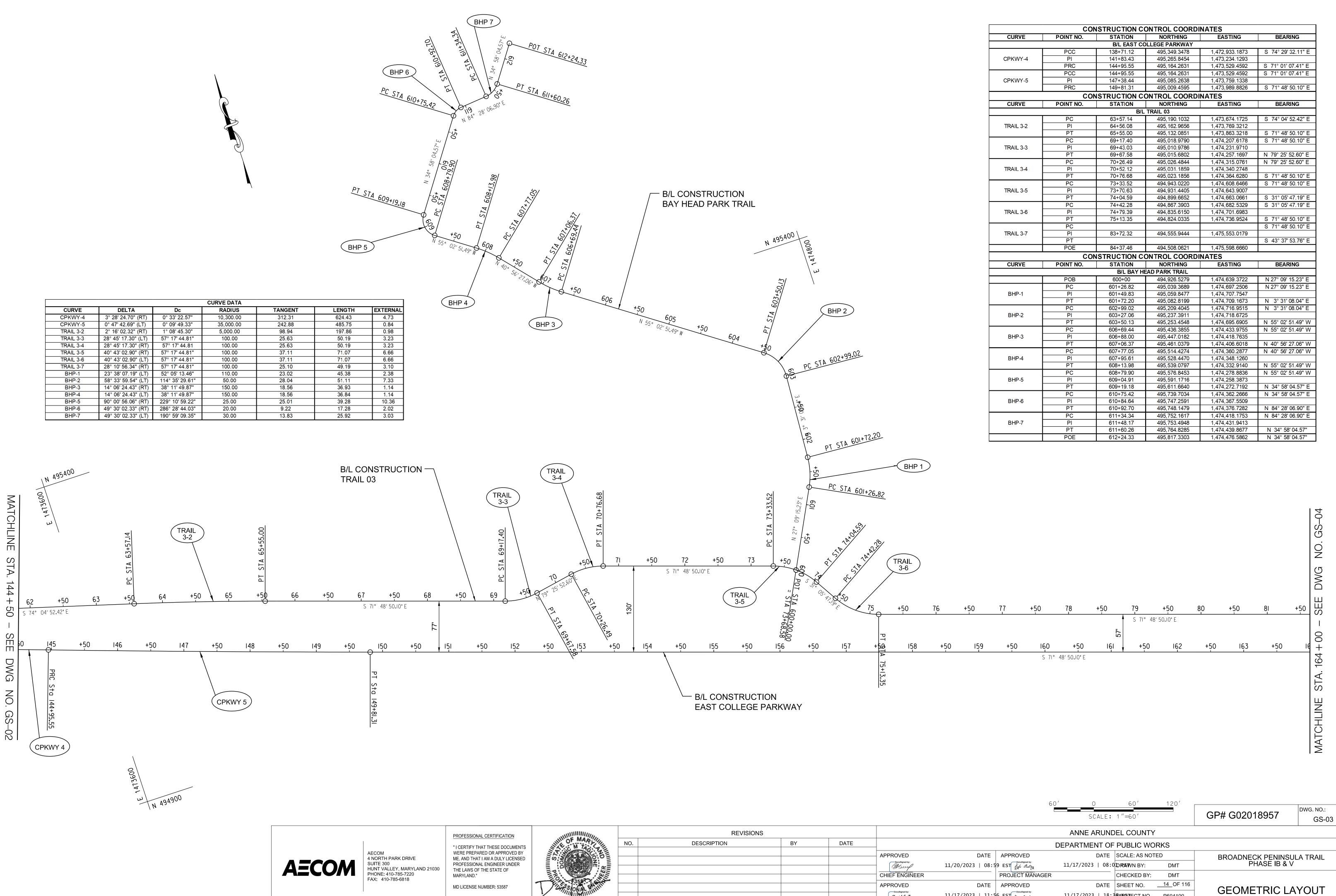
_							
	PROFESSIONAL CERTIFICATION			REVISIONS			
	" I CERTIFY THAT THESE DOCUMENTS	OF MARL	NO.	DESCRIPTION	BY	DATE	
	WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED						APPROVED
	PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF						DocuSigned by:
	MARYLAND."	201 - 23587 Y					
	MD LICENSE NUMBER: 53587	2495 ONAL FAMILIE					
	EXPIRATION DATE: 12-09-2024						David C. Braun
		06/08/2023					ASSISTANT CHIEF ENG

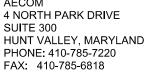
	60 <i>′</i>	O SCALE:	60′ 1″=60′	120′	GP# G02018957	DWG. NO.: GS-02
		ANNE ARUNE	EL COUNTY			00-02
	D	EPARTMENT OF		RKS		
DATE	APPROVED	DATE	SCALE: AS NOTE	D	BROADNECK PENINSUL	_A TRAIL
11/20/2023   08:5	9 EST Jule autry	11/17/2023   08:0	ÐRAVN BY:	DMT	PHASE IB & V	
R	PROJECT MANAGER		CHECKED BY:	DMT		
DATE	APPROVED	DATE	SHEET NO.	<u>13</u> OF 116	GEOMETRIC LA	VOUT
11/17/2023   11:5	6 EST tom Burke	11/17/2023   18:3	PROJECT NO.	P504100	GEOMETRIC LA	TUUT
EF ENGINEER	CHIEF, RIGHT OF WAY		CONTRACT NO.	P504105		



BHP 6

			CURVE DATA			
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
CPKWY-4	3° 28' 24.70" (RT)	0° 33' 22.57"	10,300.00	312.31	624.43	4.73
CPKWY-5	0° 47' 42.69" (LT)	0° 09' 49.33"	35,000.00	242.88	485.75	0.84
TRAIL 3-2	2° 16' 02.32" (RT)	1° 08' 45.30"	5,000.00	98.94	197.86	0.98
TRAIL 3-3	28° 45' 17.30" (LT)	57° 17' 44.81"	100.00	25.63	50.19	3.23
TRAIL 3-4	28° 45' 17.30" (RT)	57° 17' 44.81	100.00	25.63	50.19	3.23
TRAIL 3-5	40° 43' 02.90" (RT)	57° 17' 44.81"	100.00	37.11	71.07	6.66
TRAIL 3-6	40° 43' 02.90" (LT)	57° 17' 44.81"	100.00	37.11	71.07	6.66
TRAIL 3-7	28° 10' 56.34" (RT)	57° 17' 44.81"	100.00	25.10	49.19	3.10
BHP-1	23° 38' 07.19" (LT)	52° 05' 13.46"	110.00	23.02	45.38	2.38
BHP-2	58° 33' 59.54" (LT)	114° 35' 29.61"	50.00	28.04	51.11	7.33
BHP-3	14° 06' 24.43" (RT)	38° 11' 49.87"	150.00	18.56	36.93	1.14
BHP-4	14° 06' 24.43" (LT)	38° 11' 49.87"	150.00	18.56	36.84	1.14
BHP-5	90° 00' 56.06" (RT)	229° 10' 59.22"	25.00	25.01	39.28	10.36
BHP-6	49° 30' 02.33" (RT)	286° 28' 44.03"	20.00	9.22	17.28	2.02
BHP-7	49° 30' 02.33" (LT)	190° 59' 09.35"	30.00	13.83	25.92	3.03





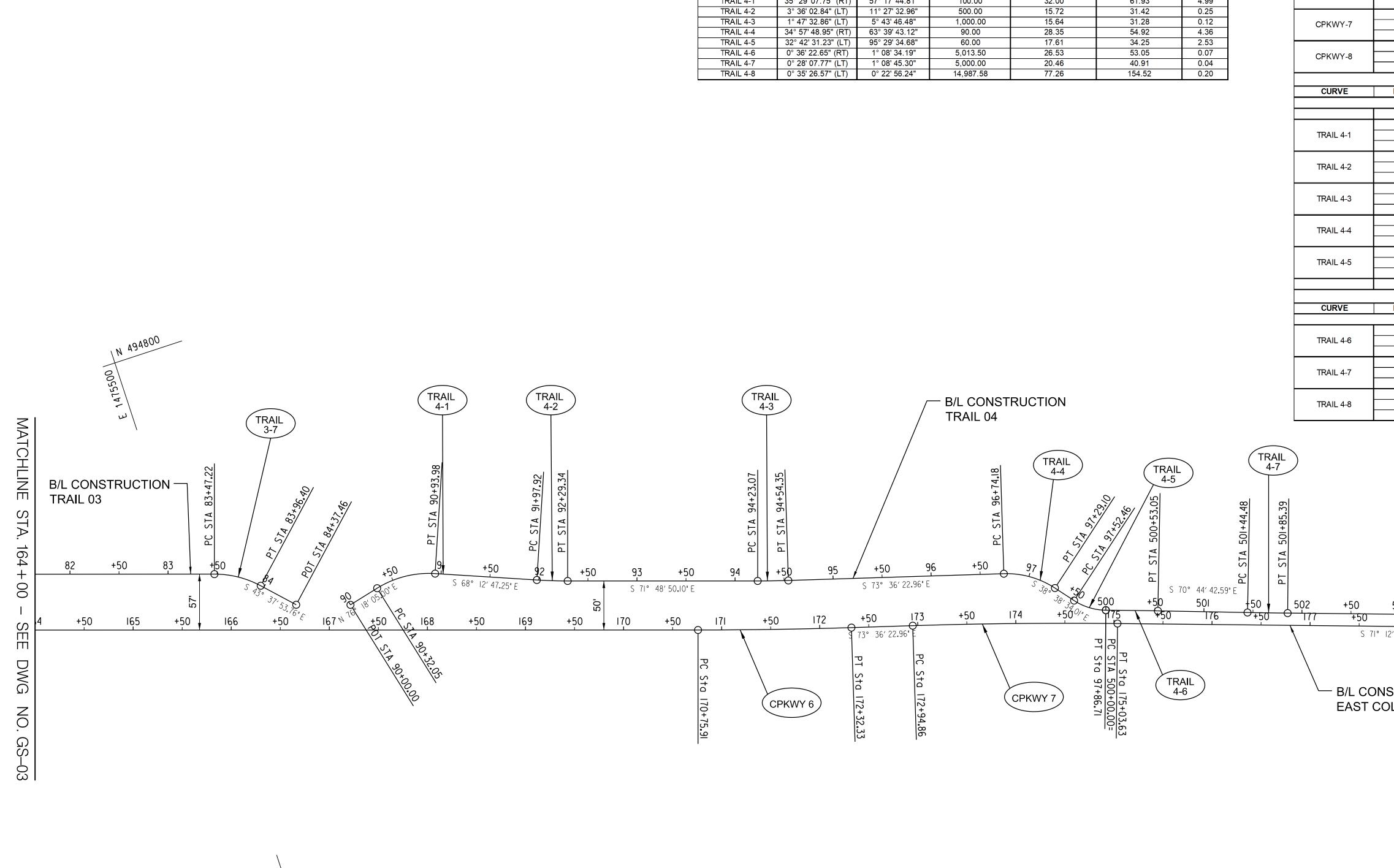
PROFESSIONAL CERTIFICATION			REVISIONS	S				
" I CERTIFY THAT THESE DOCUMENTS	OF MARL	NO.	DESCRIPTION	BY	DATE			
WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED						— APF	PROVED	
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF						$\neg$	DocuSigned by: DCARCA BRART STATURIZATION	11/20
MARYLAND."	PA-1935877						IEF ENGINEER	
MD LICENSE NUMBER: 53587	250 SOMAL FRITTIN						DocuSigned by:	
EXPIRATION DATE: 12-09-2024	06/08/2022						David C. Brann COE3DE 1728C3440	11/17
	06/08/2023					ASS	SISTANT CHIEF EN	<b>IGINEER</b>

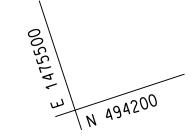
			ONTROL COORD		
CURVE	POINT NO.	STATION	NORTHING	EASTING	BEARING
		B/L EAST CO	DLLEGE PARKWAY		
	PCC	138+71.12	495,349.3478	1,472,933.1873	S 74° 29' 32.11"
CPKWY-4	PI	141+83.43	495,265.8454	1,473,234.1293	
	PRC	144+95.55	495, 164. 2631	1,473,529.4592	S 71° 01' 07.41"
	PCC	144+95.55	495, 164. 2631	1,473,529.4592	S 71° 01' 07.41"
CPKWY-5	PI	147+38.44	495,085.2638	1,473,759.1338	
	PRC	149+81.31	495,009.4595	1,473,989.8826	S 71° 48' 50.10"
	CO	<b>NSTRUCTION C</b>	ONTROL COORD	NATES	
CURVE	POINT NO.	STATION	NORTHING	EASTING	BEARING
			TRAIL 03		
	PC	63+57.14	495, 190. 1032	1,473,674.1725	S 74° 04' 52.42'
TRAIL 3-2	PI	64+56.08	495, 162. 9656	1,473,769.3212	
	PT	65+55.00	495, 132. 0851	1,473,863.3218	S 71° 48' 50.10"
	PC	69+17.40	495,018.9790	1,474,207.6178	S 71° 48' 50.10"
TRAIL 3-3	PI	69+43.03	495,010.9786	1,474,231.9710	
	PT	69+67.58	495,015.6802	1,474,257.1697	N 79° 25' 52.60"
	PC	70+26.49	495,026.4844	1,474,315.0761	N 79° 25' 52.60"
TRAIL 3-4	PI	70+52.12	495,031,1859	1,474,340.2748	
	PT	70+76.68	495,023.1856	1,474,364.6280	S 71° 48' 50.10"
	PC	73+33.52	494,943.0220	1,474,608.6466	S 71° 48' 50.10"
TRAIL 3-5	PI	73+70.63	494,931.4405	1,474,643.9007	
	PT	74+04.59	494,899.6652	1,474,663.0661	S 31° 05' 47.19"
	PC	74+04.39	494,867.3903	1,474,682.5329	S 31° 05' 47.19
	PC PI	74+42.28	,		5 31 05 47.19
TRAIL 3-6			494,835.6150	1,474,701.6983	
	PT	75+13.35	494,824.0335	1,474,736.9524	S 71° 48' 50.10"
	PC				S 71° 48' 50.10"
TRAIL 3-7	PI	83+72.32	494,555.9444	1,475,553.0179	
	PT				S 43° 37' 53.76"
	POE	84+37.46	494,508.0621	1,475,598.6660	
	CO	<b>NSTRUCTION C</b>	ONTROL COORD		
CURVE	POINT NO.	STATION		EASTING	BEARING
CURVE	POINT NO.	B/L BAY H	EAD PARK TRAIL		
	POINT NO.	B/L BAY H 600+00	AD PARK TRAIL 494,926.5279	1,474,639.3722	N 27° 09' 15.23"
	POINT NO. POB PC	B/L BAY H 600+00 601+26.82	AD PARK TRAIL 494,926.5279 495,039.3689	1,474,639.3722 1,474,697.2506	N 27° 09' 15.23"
CURVE BHP-1	POINT NO. POB PC PI	B/L BAY H 600+00 601+26.82 601+49.83	EAD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477	1,474,639.3722 1,474,697.2506 1,474,707.7547	N 27° 09' 15.23" N 27° 09' 15.23"
	POINT NO. POB PC PI PT	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,082.8199	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04"
BHP-1	POINT NO. POB PC PI PT PC	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,082.8199           495,209.4045	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04"
	POINT NO. POB PC PI PT PC PI PI	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,082.8199           495,209.4045           495,237.3911	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515 1,474,718.6725	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04"
BHP-1	POINT NO. POB PC PI PT PC PI PT	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,082.8199           495,209.4045           495,237.3911           495,253.4548	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515 1,474,718.6725 1,474,695.6905	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49"
BHP-1 BHP-2	POINT NO. POB PC PI PT PC PI PT PC	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,082.8199           495,209.4045           495,237.3911           495,253.4548           495,436.3855	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515 1,474,718.6725 1,474,695.6905 1,474,433.9755	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49"
BHP-1	POINT NO. POB PC PI PT PC PI PT PC PI PI	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,082.8199           495,209.4045           495,237.3911           495,253.4548           495,436.3855           495,447.0182	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515 1,474,718.6725 1,474,695.6905 1,474,433.9755 1,474,418.7635	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49"
BHP-1 BHP-2	POINT NO. POB PC PI PT PC PI PT PC	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,082.8199           495,209.4045           495,237.3911           495,253.4548           495,436.3855	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515 1,474,718.6725 1,474,695.6905 1,474,433.9755	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49" N 40° 56' 27.06"
BHP-1 BHP-2	POINT NO. POB PC PI PT PC PI PT PC PI PI	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44 606+88.00	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,082.8199           495,209.4045           495,237.3911           495,253.4548           495,436.3855           495,447.0182	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515 1,474,718.6725 1,474,695.6905 1,474,433.9755 1,474,418.7635	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49" N 40° 56' 27.06"
BHP-1 BHP-2	POINT NO. POB PC PI PT PC PI PT PC PI PT PT	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44 606+88.00 607+06.37	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,082.8199           495,209.4045           495,237.3911           495,253.4548           495,436.3855           495,447.0182           495,461.0379	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515 1,474,718.6725 1,474,695.6905 1,474,433.9755 1,474,418.7635 1,474,406.6018	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49" N 40° 56' 27.06"
BHP-1 BHP-2 BHP-3	POINT NO. POB PC PI PT PC PI PT PC PI PT PC	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44 606+88.00 607+06.37 607+77.05	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,082.8199           495,209.4045           495,237.3911           495,253.4548           495,436.3855           495,447.0182           495,461.0379           495,514.4274	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515 1,474,718.6725 1,474,695.6905 1,474,433.9755 1,474,418.7635 1,474,406.6018 1,474,360.2877	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49" N 40° 56' 27.06"
BHP-1 BHP-2 BHP-3	POINT NO. POB PC PI PT PC PI PT PC PI PT PC PI PT PC PI PI	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44 606+88.00 607+06.37 607+77.05 607+95.61	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,059.8477           495,029.4045           495,237.3911           495,253.4548           495,436.3855           495,447.0182           495,514.4274           495,528.4470	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515 1,474,718.6725 1,474,695.6905 1,474,433.9755 1,474,418.7635 1,474,418.7635 1,474,406.6018 1,474,360.2877 1,474,348.1260	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49" N 40° 56' 27.06" N 40° 56' 27.06" N 55° 02' 51.49"
BHP-1 BHP-2 BHP-3	POINT NO. POB PC PI PT PC PI PT PC PI PT PC PI PT PT	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44 606+88.00 607+06.37 607+95.61 608+13.98	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,082.8199           495,209.4045           495,237.3911           495,253.4548           495,436.3855           495,447.0182           495,514.4274           495,528.4470           495,539.0797	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515 1,474,718.6725 1,474,695.6905 1,474,433.9755 1,474,418.7635 1,474,406.6018 1,474,360.2877 1,474,348.1260 1,474,332.9140	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49" N 40° 56' 27.06" N 40° 56' 27.06" N 55° 02' 51.49"
BHP-1 BHP-2 BHP-3 BHP-4	POINT NO. POB PC PI PT PC PI PT PC PI PT PC PI PT PC PI PT PC	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44 606+88.00 607+06.37 607+77.05 607+95.61 608+13.98 608+79.90 609+04.91	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,029.8477           495,029.8477           495,029.4045           495,237.3911           495,253.4548           495,436.3855           495,447.0182           495,514.4274           495,528.4470           495,539.0797           495,576.8453           495,591.1716	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515 1,474,718.6725 1,474,695.6905 1,474,433.9755 1,474,418.7635 1,474,406.6018 1,474,360.2877 1,474,348.1260 1,474,332.9140 1,474,278.8836 1,474,258.3873	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49" N 40° 56' 27.06" N 40° 56' 27.06" N 55° 02' 51.49" N 55° 02' 51.49"
BHP-1 BHP-2 BHP-3 BHP-4	POINT NO.           POB           PC           PI           PT	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44 606+88.00 607+06.37 607+77.05 607+95.61 608+13.98 608+79.90 609+04.91 609+19.18	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,029.8199           495,209.4045           495,237.3911           495,253.4548           495,436.3855           495,514.4274           495,528.4470           495,576.8453           495,591.1716           495,611.6640	1,474,639.3722 1,474,697.2506 1,474,707.7547 1,474,709.1673 1,474,716.9515 1,474,718.6725 1,474,695.6905 1,474,433.9755 1,474,418.7635 1,474,406.6018 1,474,360.2877 1,474,348.1260 1,474,332.9140 1,474,278.8836 1,474,278.3873 1,474,272.7192	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49" N 40° 56' 27.06" N 40° 56' 27.06" N 55° 02' 51.49" N 55° 02' 51.49" N 55° 02' 51.49" N 55° 02' 51.49"
BHP-1 BHP-2 BHP-3 BHP-4 BHP-5	POINT NO. POB PC PI PT PC PI PT PC PI PT PC PI PT PC PI PT PC PI PT PC PI PT PC PI PT PC PI PT PC PT PC PT PC PT PT PC PT PC PT PT PC PT PC PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PT PC PT PC PT PT PC PC PT PC	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44 606+88.00 607+06.37 607+95.61 608+13.98 608+79.90 609+04.91 609+19.18 610+75.42	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,059.8477           495,028.8199           495,209.4045           495,237.3911           495,233.4548           495,436.3855           495,447.0182           495,514.4274           495,528.4470           495,576.8453           495,591.1716           495,611.6640           495,739.7034	$\begin{array}{r} 1,474,639.3722\\ 1,474,697.2506\\ 1,474,707.7547\\ 1,474,709.1673\\ 1,474,716.9515\\ 1,474,718.6725\\ 1,474,695.6905\\ 1,474,695.6905\\ 1,474,418.7635\\ 1,474,418.7635\\ 1,474,406.6018\\ 1,474,360.2877\\ 1,474,348.1260\\ 1,474,332.9140\\ 1,474,332.9140\\ 1,474,278.8836\\ 1,474,258.3873\\ 1,474,272.7192\\ 1,474,362.2666\end{array}$	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49" N 40° 56' 27.06" N 40° 56' 27.06" N 55° 02' 51.49" N 55° 02' 51.49" N 55° 02' 51.49" N 55° 02' 51.49"
BHP-1 BHP-2 BHP-3 BHP-4	POINT NO.           POB           PC           PI           PT           PC           PI	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44 606+88.00 607+06.37 607+95.61 608+13.98 608+79.90 609+04.91 609+19.18 610+75.42 610+84.64	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,082.8199           495,209.4045           495,237.3911           495,237.3911           495,436.3855           495,447.0182           495,514.4274           495,528.4470           495,539.0797           495,591.1716           495,611.6640           495,739.7034	$\begin{array}{r} 1,474,639.3722\\ 1,474,697.2506\\ 1,474,707.7547\\ 1,474,709.1673\\ 1,474,716.9515\\ 1,474,718.6725\\ 1,474,695.6905\\ 1,474,433.9755\\ 1,474,418.7635\\ 1,474,406.6018\\ 1,474,360.2877\\ 1,474,348.1260\\ 1,474,332.9140\\ 1,474,332.9140\\ 1,474,278.8836\\ 1,474,278.8836\\ 1,474,278.7192\\ 1,474,362.2666\\ 1,474,367.5509\end{array}$	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49" N 40° 56' 27.06" N 40° 56' 27.06" N 55° 02' 51.49" N 55° 02' 51.49" N 55° 02' 51.49" N 34° 58' 04.57" N 34° 58' 04.57"
BHP-1 BHP-2 BHP-3 BHP-4 BHP-5	POINT NO.           POB           PC           PI           PT	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44 606+88.00 607+06.37 607+77.05 607+95.61 608+13.98 608+79.90 609+04.91 609+19.18 610+75.42 610+84.64 610+92.70	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,029.8199           495,209.4045           495,237.3911           495,253.4548           495,436.3855           495,447.0182           495,514.4274           495,528.4470           495,576.8453           495,611.6640           495,739.7034           495,747.2591           495,748.1479	$\begin{array}{r} 1,474,639.3722\\ 1,474,697.2506\\ 1,474,707.7547\\ 1,474,709.1673\\ 1,474,709.1673\\ 1,474,716.9515\\ 1,474,718.6725\\ 1,474,695.6905\\ 1,474,695.6905\\ 1,474,433.9755\\ 1,474,418.7635\\ 1,474,406.6018\\ 1,474,360.2877\\ 1,474,360.2877\\ 1,474,332.9140\\ 1,474,332.9140\\ 1,474,278.8836\\ 1,474,278.8836\\ 1,474,278.8836\\ 1,474,278.7192\\ 1,474,367.5509\\ 1,474,376.7282\\ \end{array}$	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49" N 40° 56' 27.06" N 40° 56' 27.06" N 55° 02' 51.49" N 55° 02' 51.49" N 55° 02' 51.49" N 34° 58' 04.57" N 34° 58' 04.57" N 34° 58' 04.57"
BHP-1 BHP-2 BHP-3 BHP-4 BHP-5 BHP-6	POINT NO.           POB           PC           PI           PT           PC	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44 606+88.00 607+06.37 607+77.05 607+95.61 608+13.98 608+79.90 609+04.91 609+19.18 610+75.42 610+84.64 610+92.70 611+34.34	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,059.8477           495,029.4045           495,237.3911           495,253.4548           495,436.3855           495,514.4274           495,528.4470           495,576.8453           495,591.1716           495,611.6640           495,739.7034           495,748.1479           495,752.1617	$\begin{array}{r} 1,474,639.3722\\ 1,474,697.2506\\ 1,474,707.7547\\ 1,474,709.1673\\ 1,474,716.9515\\ 1,474,718.6725\\ 1,474,695.6905\\ 1,474,695.6905\\ 1,474,433.9755\\ 1,474,433.9755\\ 1,474,406.6018\\ 1,474,360.2877\\ 1,474,360.2877\\ 1,474,348.1260\\ 1,474,332.9140\\ 1,474,332.9140\\ 1,474,278.8836\\ 1,474,278.8836\\ 1,474,278.8836\\ 1,474,278.7192\\ 1,474,367.5509\\ 1,474,376.7282\\ 1,474,418.1753\end{array}$	N 27° 09' 15.23" N 27° 09' 15.23" N 3° 31' 08.04" N 3° 31' 08.04" N 55° 02' 51.49" N 55° 02' 51.49" N 40° 56' 27.06" N 40° 56' 27.06" N 55° 02' 51.49" N 55° 02' 51.49" N 55° 02' 51.49" N 34° 58' 04.57" N 34° 58' 04.57" N 34° 58' 04.57"
BHP-1 BHP-2 BHP-3 BHP-4 BHP-5	POINT NO.           POB           PC           PI           PT	B/L BAY H 600+00 601+26.82 601+49.83 601+72.20 602+99.02 603+27.06 603+50.13 606+69.44 606+88.00 607+06.37 607+77.05 607+95.61 608+13.98 608+79.90 609+04.91 609+19.18 610+75.42 610+84.64 610+92.70	AD PARK TRAIL           494,926.5279           495,039.3689           495,059.8477           495,029.8199           495,209.4045           495,237.3911           495,253.4548           495,436.3855           495,447.0182           495,514.4274           495,528.4470           495,576.8453           495,611.6640           495,739.7034           495,747.2591           495,748.1479	$\begin{array}{r} 1,474,639.3722\\ 1,474,697.2506\\ 1,474,707.7547\\ 1,474,709.1673\\ 1,474,709.1673\\ 1,474,716.9515\\ 1,474,718.6725\\ 1,474,695.6905\\ 1,474,695.6905\\ 1,474,433.9755\\ 1,474,418.7635\\ 1,474,406.6018\\ 1,474,360.2877\\ 1,474,360.2877\\ 1,474,332.9140\\ 1,474,332.9140\\ 1,474,278.8836\\ 1,474,278.8836\\ 1,474,278.8836\\ 1,474,278.7192\\ 1,474,367.5509\\ 1,474,376.7282\\ \end{array}$	BEARING           N 27° 09' 15.23"           N 27° 09' 15.23"           N 3° 31' 08.04"           N 3° 31' 08.04"           N 3° 31' 08.04"           N 55° 02' 51.49"           N 55° 02' 51.49"           N 40° 56' 27.06"           N 40° 56' 27.06"           N 55° 02' 51.49"           N 55° 02' 51.49"           N 34° 58' 04.57"           N 34° 58' 04.57"           N 84° 28' 06.90"           N 34° 58' 04.57"           N 34° 58' 04.57"           N 34° 58' 04.57"           N 34° 58' 04.57"

11/17/2023 | 11:56 EST Tom Burke

CHIEF, RIGHT OF WAY

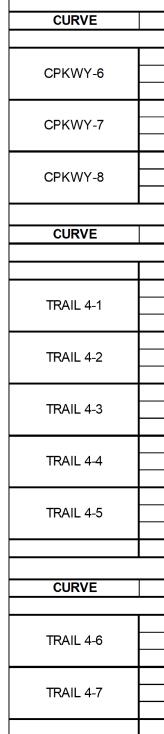
11/17/2023 | 18:36PREGJECT NO. P504100







		CURVE DATA									
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL					
CPKWY-6	1° 47' 32.86" (LT)	1° 08' 45.30"	5,000.00	78.22	156.42	0.61					
CPKWY-7	2° 23' 32.60" (RT)	1° 08' 45.30"	5,000.00	104.40	208.78	1.09					
CPKWY-8	0° 35' 26.57" (LT)	0° 22' 55.10"	15,000.00	77.32	154.65	0.20					
TRAIL 4-1	35° 29' 07.75" (RT)	57° 17' 44.81"	100.00	32.00	61.93	4.99					
TRAIL 4-2	3° 36' 02.84" (LT)	11° 27' 32.96"	500.00	15.72	31.42	0.25					
TRAIL 4-3	1° 47' 32.86" (LT)	5° 43' 46.48"	1,000.00	15.64	31.28	0.12					
TRAIL 4-4	34° 57' 48.95" (RT)	63° 39' 43.12"	90.00	28.35	54.92	4.36					
TRAIL 4-5	32° 42' 31.23" (LT)	95° 29' 34.68"	60.00	17.61	34.25	2.53					
TRAIL 4-6	0° 36' 22.65" (RT)	1° 08' 34.19"	5,013.50	26.53	53.05	0.07					
TRAIL 4-7	0° 28' 07.77" (LT)	1° 08' 45.30"	5,000.00	20.46	40.91	0.04					
TRAIL 4-8	0° 35' 26.57" (LT)	0° 22' 56.24"	14,987.58	77.26	154.52	0.20					



PROFESSIONAL CERTIFICATION			REVISION	S			
" I CERTIFY THAT THESE DOCUMENTS	OF MARL	NO.	DESCRIPTION	BY	DATE		
WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED						APPROVED	
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF						DocuSigned by:	11/20
MARYLAND."	E POLICE STORE						
MD LICENSE NUMBER: 53587	12 SONAL SHITT					APPROVED	
EXPIRATION DATE: 12-09-2024						David C. Braun	11/1
	06/08/2023					ASSISTANT CHIEF EN	NGINEER

	PCC Pl	•	NORTHING	EASTING	BEARING		
	PI	-	LLEGE PARKWAY				
	PRC	171+54.13	494,331.3134	1,476,054.1653			
	PCC	172+94.86	494,291.5918	1,476,189.1832			
Image: Section 1			,		S 71° 12' 50.36" E		
			,		S 71° 12' 50.36" E		U
ПОПТ НО         ТАЛОТИК         КОЛТИКО         КОЛИКО         КОЛТИКО         КОЛТИКО <t< td=""><td>PRC</td><td>182+19.72</td><td>493,998.6551</td><td>1,477,066.3768</td><td>S 71° 48' 16.92" E</td><th></th><td></td></t<>	PRC	182+19.72	493,998.6551	1,477,066.3768	S 71° 48' 16.92" E		
		STATION	NORTHING		BEARING		
				1,475,651.1978			Ó
1         1         1         0					N 76° 18' 05.00" E		
1         1							
1         1	PI	92+13.63	494,449.6217	1,475,854.2369			٦
1         1 <th1< th=""> <th1< th=""> <th1< th=""> <th1< th=""></th1<></th1<></th1<></th1<>	PC	94+23.07	494,384.2531	1,476,053.2193			
Image: State in the	PT	94+54.35	494,374.9556	1,476,083.0888			
СОВЕТНИСТИОN         СОВЕТНИИ         СОВЕТНИСТИОN         СОВЕТНИСТИСИНИХИ       СОВЕТНИСТИОN        СОВЕТНИЕ	PI	97+02.52	494,304.9129	1,476,321.1713			
Рид.         00-0000000000000000000000000000000000							
CONSTRUCTION         CONSTRUE CONSTRUE CONSTRUCTION         CONSTRUCTION					S 71° 21' 05.24" E		
POINT DO         STATUS         NORTHAGE         LASTING         DELATION ADDR         LASTING         DELATION ADDR         DELADIN ADDR         DELATION ADDR         DELADIN		97+86.71					
PORTO         Sol 001         Sol 001 <thsol 001<="" th=""> <thsol 001<="" th=""> <thsol< td=""><td>_</td><td>STATION</td><td>NORTHING</td><td>-</td><td>BEARING</td><th></th><td></td></thsol<></thsol></thsol>	_	STATION	NORTHING	-	BEARING		
P1         30-51         4-20 7000         1-60,417.97         6-70 4-62.97         500         9000         900         900         90		500+00.00	494,245.1451		S 71° 21' 05.24" E	,	
P2         38:73/87         48:46:86:86         1://38:03:16         37:71:85:03:12           P1         307:02.06         46:10:03:06         1://300:02:00         5.77:18:03:21         46:10:03:06         1://300:02:00         5.77:18:03:21         46:10:03:06         1://300:02:00         5.77:18:03:21         46:10:03:06         1://300:02:00         5.77:18:03:21         46:10:03:06         1://300:02:00         5.77:18:03:21         46:10:03:06         1://300:02:00:02:00         1://300:02:00:02:00:02:00         1://300:02:00:00	PT		,	, ,		18	
P2         38:73/87         48:46:86:86         1://38:03:16         37:71:85:03:12           P1         307:02.06         46:10:03:06         1://300:02:00         5.77:18:03:21         46:10:03:06         1://300:02:00         5.77:18:03:21         46:10:03:06         1://300:02:00         5.77:18:03:21         46:10:03:06         1://300:02:00         5.77:18:03:21         46:10:03:06         1://300:02:00         5.77:18:03:21         46:10:03:06         1://300:02:00:02:00         1://300:02:00:02:00:02:00         1://300:02:00:00	PC	501+44.48	494, 197. 7663	1,476,517.6244		12111	
Image: Print Sub-String         Mark State Print         Image: Print Sub-String         Image: Print Sub-Stri	PT	501+85.39	494, 184. 4327	1,476,556.3032			
	PI	506+50.73	494,034.5761	1,476,996.8564		ł	
SCALE:       1 "=60'       GP# G02018957       DWG. NO.: GS-04         OWG. NO.: GS-04         ANNE ARUNDEL COUNTY         DEPARTMENT OF PUBLIC WORKS         DATE       APPROVED       DATE       SCALE: AS NOTED       BROADNECK PENINSULA TRAIL         DATE       APPROVED       DATE       SCALE: AS NOTED       BROADNECK PENINSULA TRAIL         11/20/2023   08:59       EST       fig. data       11/17/2023   08:0       DRAWN BY:       DMT       DMT         ER       PROJECT MANAGER       CHECKED BY:       DMT       DMT       DATE       APPROVED       DATE       SHEET NO.       15_OF 116       GEOMETRIC LAYOUT         .       11/17/2023   11:56       EST       11/17/2023   18:3       PROJECT NO.       P504100       DATE       GEOMETRIC LAYOUT	178 -	+50 '179 N		0 '+50 O PC Sta		- 182 C +50 183 	STA. 183 +
ER       PROJECT MANAGER       CHECKED BY:       DMT         DATE       APPROVED       DATE       SHEET NO.       15 OF 116         11/17/2023   11:56       EST       In Buke       11/17/2023   18:3       PROJECT NO.       P504100							MATO
DATE APPROVED DATE SHEET NO. <u>15</u> OF 116 11/17/2023   11:56 EST m Buck 11/17/2023   18:3 PROJECT NO. P504100 GEOMETRIC LAYOUT			A DEPA VED	SCALE: 1 NNE ARUNDEL C RTMENT OF PUB DATE SCAL	"=60' COUNTY SLIC WORKS E: AS NOTED	BROADNECK PENINS	DWG. NO.: GS-04
/ II/1/2023   II: 56 EST Tom Burke II/1/2023   I8: 36PROJECT NO. P504100		23   08:59 EST	A DEPA VED Usigned by: 11/1	SCALE: 1 NNE ARUNDEL C RTMENT OF PUB DATE SCAL 17/2023   08:0	"=60' COUNTY SLIC WORKS E: AS NOTED VN BY: DMT	BROADNECK PENINS	DWG. NO.: GS-04
EF ENGINEER CHIEF, RIGHT OF WAY CONTRACT NO. P504105	11/20/201 ER	23   08:59 EST	A DEPA VED cusligned by: 11/1 23G331B82/8401 23G331B82/8401 23G331B82/8401 23G331B82/8401	SCALE: 1 NNE ARUNDEL C RTMENT OF PUB DATE SCAL 17/2023   08:0 DRAY CHEC	"=60' COUNTY BLIC WORKS E: AS NOTED VN BY: DMT CKED BY: DMT	BROADNECK PENINS PHASE IB &	DWG. NO.: GS-04
	ER . 11/17/202	23   08:59 EST PROJEC DATE APPRO 23   11:56 EST	A DEPA VED wigned by: 11/1 Scassibilization TMANAGER VED wigned by: 11/1 11/1 11/1	SCALE: 1 NNE ARUNDEL C RTMENT OF PUB DATE SCAL .7/2023   08:0 DRAV CHEC DATE SHEE L7/2023   18:3 PROJ	<pre>"=60' COUNTY COUNT</pre>	BROADNECK PENINS PHASE IB &	DWG. NO.: GS-04

	CON	ISTRUCTION CO	JN IROL COURDI	NATES	
CURVE	POINT NO.	STATION	NORTHING	EASTING	BEARING
	<u> </u>		AIL 04 CURB		
	PC	518+96.33	493,645.6278	1,478,180.1768	S 71° 48' 16.92'
TRAIL 4-9	PI	519+24.31	493,636.8919	1,478,206.7544	<u> </u>
• • • •	PT	519+52.29	493,628.5286	1,478,233.4517	S 72° 36' 22.17"
	PC	520+91.31	493,586.9707	1,478,366.1177	S 72° 36' 22.17'
TRAIL 4-10	PI	521+31.48	493,575.3057	1,478,404.5538	
	PT	521+50.61	493,615.0890	1,478,410.0937	N 7° 55' 39.24"
	POE	521+60.76	493,625.1453	1,478,411.4941	
			DLLEGE PARKWAY	1,70,711.7071	<u> </u>
	PCC	193+30.36	493,651.8498	1 179 101 1807	S 71° 48' 16.92"
			,	1,478,121.4827	5 /1 40 10.92
CPKWY-9	PI	193+95.34	493,631.5592	1,478,183.2141	
	PRC	194+60.31	493,609.2741	1,478,244.2539	S 69° 56' 35.90'
	PCC	195+10.28	493,592.1377	1,478,291.1912	S 69° 56' 35.90'
CPKWY-10	PI	195+75.19	493,569.8769	1,478,352.1644	
	PRC	196+40.07	493,550.8102	1,478,414.2105	S 72° 55' 04.36'
	PCC	199+51.43	493,459.3504	1,478,711.8359	S 72° 55' 04.36
CPKWY-11	PI	201+61.52	493,397.6367	1,478,912.6622	
	PRC	203+70.80	493,306.1319	1,479,101.7828	S 64° 10' 49.01'
	POE		1		1
		STRUCTION C		NATES	4
CURVE	POINT NO.	STATION		EASTING	BEARING
			DINT STATE PARK 01		
				4 470 420 4400	
	POB	300+00	493,568.5417	1,478,439.4488	N 66° 35' 54.55'
	PC	300+10.82	493,572.8397	1,478,449.3801	N 66° 35' 54.55
SPSP 1-1	PI	300+23.83	493,578.0059	1,478,461.3177	
	PT	300+33.89	493,591.0128	1,478,461.4359	N 0° 31' 14.53'
	PC	300+61.39	493,618.5119	1,478,461.6858	N 0° 31' 14.53'
SPSP 1-2	PI	300+73.71	493,630.8317	1,478,461.7977	
	PT	300+86.00	493,643.0447	1,478,463.4210	N 7° 34' 14.97'
	PC	303+46.03	493,900.8120	1,478,497.6809	N 7° 34' 14.97'
SPSP 1-3	PI	303+52.45	493,907.1782	1,478,498.5270	1
	PT	303+58.77	493,912.9596	1,478,501.3235	N 25° 48' 48.48
	PC	303+71.03	493,923.9995	1,478,506.6636	N 25° 48' 48.48
SPSP 1-4	PI	303+84.29	493,935.9353	1,478,512.4371	
	PT	303+96.64	493,948.9565	1,478,509.9381	N 10° 51' 50.84'
	PC	304+08.51	493,960.6165	1,478,507.7002	N 10° 51' 50.84
SPSP 1-5	PI	304+15.00	493,966.9913	1,478,506.4768	N 10 01 00.04
5F5F 1-5	PT	304+15.00	493,966.9913		N 7° 34' 14.97'
			,	1,478,507.3320	
	PC	304+91.97	494,043.4055	1,478,516.6330	N 7° 34' 14.97'
SPSP 1-6	PI	305+52.35	494,103.2577	1,478,524.5880	
	PT	306+06.78	494,140.9080	1,478,571.7900	N 51° 25' 21.84
	PC	306+81.43	494,187.4603	1,478,630.1526	N 51° 25' 21.84
SPSP 1-7	PI	307+02.54	494,200.6201	1,478,646.6510	
	PT	307+23.03	494,205.9909	1,478,667.0602	N 75° 15' 23.26
	PC	307+69.03	494,217.6970	1,478,711.5435	N 75° 15' 23.26
SPSP 1-8	PI	307+83.72	494,221.4357	1,478,725.7505	
	PT	307+98.04	494,230.2581	1,478,737.4972	N 53° 05' 28.66
	PC	308+45.35	494,258.6672	1,478,775.3226	N 53° 05' 28.66
SPSP 1-9	PI	308+65.40	494,270.7069	1,478,791.3528	1
	PT	308+85.36	494,285.1473	1,478,805.2596	N 43° 55' 17.69
	<u> </u>		,	·,·· ,	
			CURVE DATA		
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH
TRAIL 4-9	0° 48' 05.24" (LT)	1° 25' 56.62"	4,000.00	27.98	55.95
TRAIL 4-10	98° 57' 18.14" (LT)	166° 52' 51.86"	34.33	40.17	59.30
CPKWY-9	1° 51' 41.02" (RT)	1° 25' 56.62"	4,000.00	64.98	129.95
CPKWY-10	2° 58' 28.46" (LT)	2° 17' 30.59"	2,500.00	64.91	129.79
CPKWY-11	8° 44' 15.36" (RT)	2° 05' 00.54"	2,750.00	210.09	419.37
SPSP 1-1	66° 04' 40.02" (LT)	286° 28' 44.03"	20.00	13.01	23.07
	7° 03' 00.45" (RT)	28° 38' 52.40"	200.00	12.32	23.07
CDCD 1_2					24.01
SPSP 1-2	18° 14' 33 50" (RT)		40.00	6.42	12 74

40.00

40.00

40.00

150.00

100.00

6.42

13.26

6.49

60.38

21.10

12.74

25.61

12.87

114.80

41.60

MATCHLINE STA. 183 + 50			
		509	+50
S	50	509 184	+50
SEE			
DWG NC			
<u>NO</u>			

GS-

-04

						S 71°	48′ 16.92" E			Ì		
50	185	+50	186	+50	187	+50	188	+50	189	+50	190	_
	510	+50	511	+50	512	+50	513	+50	514	+50	515	
							S 71° 48′16.92"	E				
	[	SPSP 1-	-9 9°	10' 10.97" (LT)	22° 55'	05.92"	250.00		20.05	40.0	01	
		SPSP 1-		° 09' 54.61" (LT)	76° 23' 3		75.00		14.69	29.0	01	
		3535 1	-1 23	30 01. <del>4</del> 3 (KT)	5/ 1/	+4.01	100.00		21.10	41.0	00	

SPSP 1-3 SPSP 1-4

SPSP 1-5

SPSP 1-6 SPSP 1-7

 18° 14' 33.50" (RT)
 143° 14' 22.02"

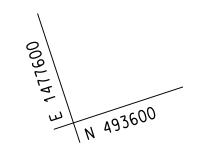
 36° 40' 39.32" (LT)
 143° 14' 22.02"

 18° 26' 05.82" (RT)
 143° 14' 22.02"

 43° 51' 06.87" (RT)
 38° 11' 49.87"

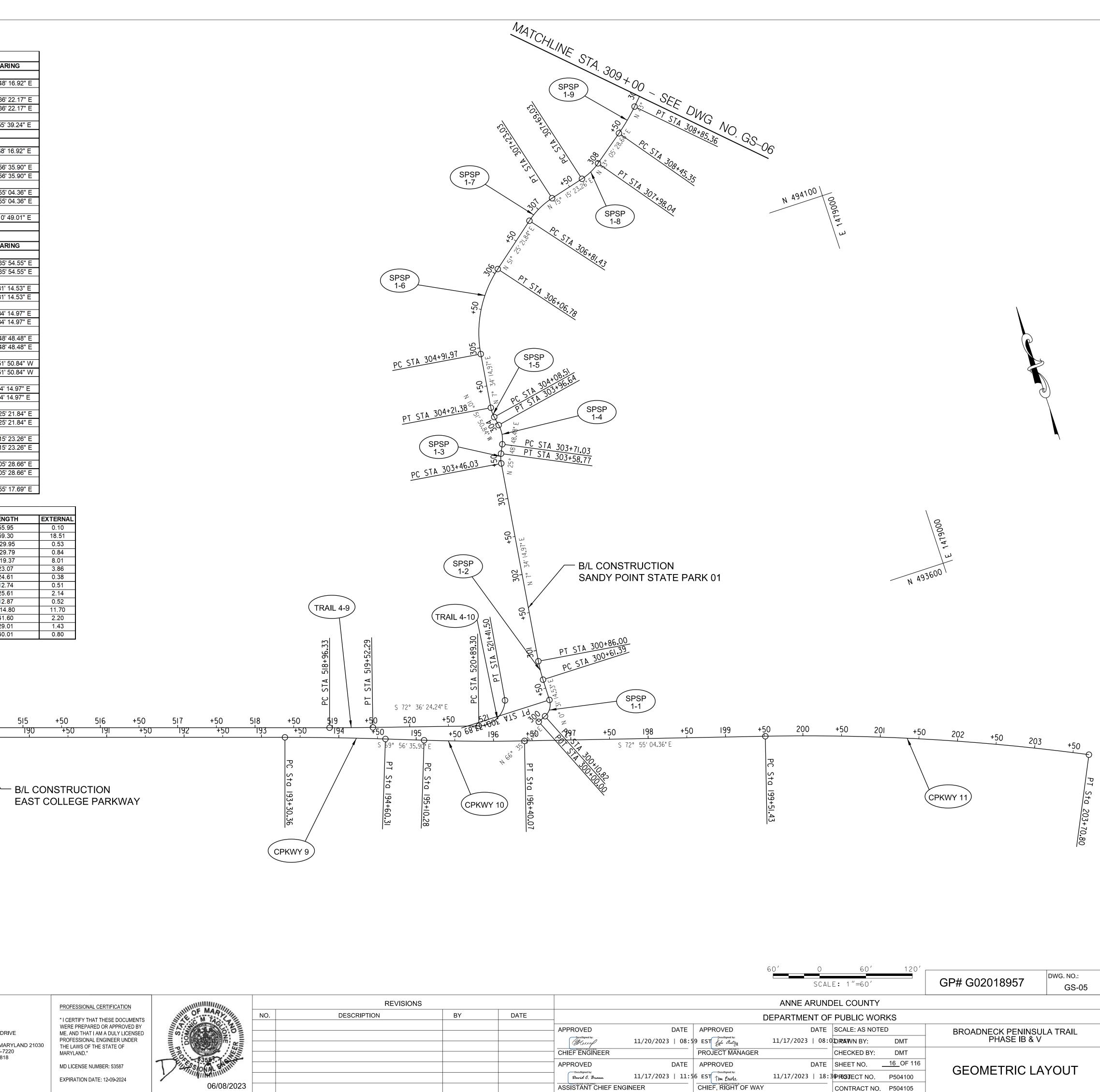
 23° 50' 01.43" (RT)
 57° 17' 44.81"

 23° 001 54 04" (LT)
 70° 201 20 74"

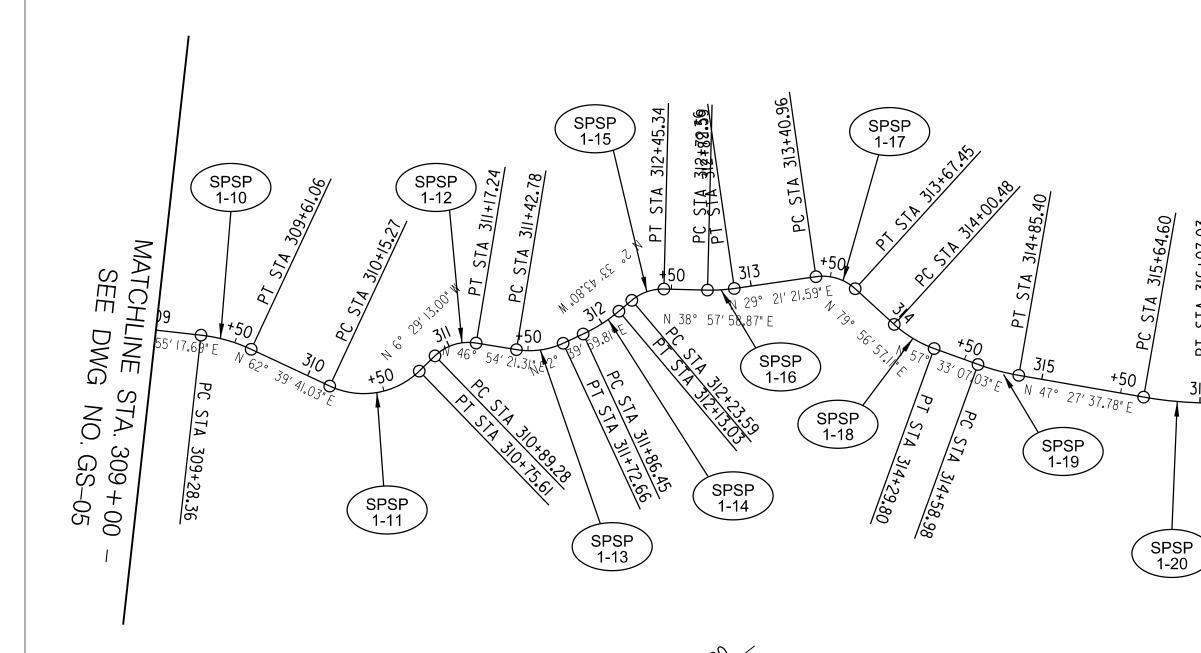


AECOM





PROFESSIONAL CERTIFICATION			REVISIO	NS				
" I CERTIFY THAT THESE DOCUMENTS	OF MARL	NO.	DESCRIPTION	BY	DATE			
WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED							PROVED	
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF						_	DocuSigned by:	11/20
MARYLAND."						— Сн		
MD LICENSE NUMBER: 53587	T ELESSONAL EMILITY							
EXPIRATION DATE: 12-09-2024							David C. Brann	11/17
	06/08/2023					AS	SISTANT CHIEF EN	IGINEER



191100

CONSTRUCTION CONTROL COORDINATES										
CURVE	POINT NO.	STATION	NORTHING	EASTING	BEARING					
		B/L L	OOP TRAIL							
	POB	350+00	494,968.8410	1,479,894.1477	N 1° 20' 52.71" W					
	PC	350+84.21	495,053.0256	1,479,892.1667	N 1° 20' 52.71" W					
LOOP-1	PI	350+96.44	495,065.2503	1,479,891.8791						
	PT	351+08.54	495,077.1841	1,479,894.5455	N 12° 35' 42.60" E					
	PC	351+62.73	495, 130.0709	1,479,906.3624	N 12° 35' 42.60" E					
LOOP-2	PI	351+70.68	495,137.8223	1,479,908.0944						
	PRC	351+78.26	495, 145. 4152	1,479,905.7639	N 17° 03' 45.12" V					
	PCC	351+78.26	495, 145. 4152	1,479,905.7639	N 17° 03' 45.12" V					
LOOP-3	PI	351+97.47	495, 163. 7745	1,479,900.1290						
	PT	352+12.43	495, 176. 5779	1,479,914.4430	N 48° 11' 18.75" E					
	PC	353+58.65	495,274.0638	1,480,023.4312	N 48° 11' 18.75" E					
LOOP-4	PI	354+27.25	495,319.7967	1,480,074.5601						
	PRC	354+28.17	495,251.2082	1,480,073.4275	S 0° 56' 45.69" V					
	PCC	354+28.17	495,251.2082	1,480,073.4275	S 0° 56' 45.69" V					
LOOP-5	PI	354+44.19	495,235.1856	1,480,073.1629						
	PT	354+59.18	495,221.9942	1,480,082.2613	S 34° 35' 40.98" E					
	PC	355+19.85	495, 172.0511	1,480,116.7080	S 34° 35' 40.98" E					
LOOP-6	PI	355+54.11	495, 143. 8511	1,480,136.1580						
	PT	355+85.86	495, 109.6484	1,480,134.2307	S 3° 13' 30.37" V					
	PC	356+70.59	495,025.0475	1,480,129.4636	S 3° 13' 30.37" V					
LOOP-7	PI	356+85.31	495,010.3552	1,480,128.6357						
	PT	356+99.99	494,995.6671	1,480,129.5372	S 3° 30' 44.21" E					
	POE	357+43.61	494,952.1269	1,480,132.2096	S 3° 30' 44.21" E					

CURVE	POINT NO.	STA B/L
	PC	309-
SPSP 1-10	PI	309-
	PT	309-
	PC	310-
SPSP 1-11	PI	310-
	PT	310-
SPSP 1-12	PC PI	310- 311-
3F3F 1-12	PT	311-
	PC	311-
SPSP 1-13	PI	311-
	PT	311-
	PC	311-
SPSP 1-14	PI	311-
	PT PC	312- 312-
SPSP 1-15	PC PI	312-
	PT	312-
	PC	312-
SPSP 1-16	PI	312-
	PT	312-
	PC	313-
SPSP 1-17	PI	313-
	PT PC	313- 314-
SPSP 1-18	PI	314
SPSP 1-18	PT	314-
	PC	314-
SPSP 1-19	PI	314-
	PT	314-
	PC PI	315-
SPSP 1-20	PT	315- 316-
	PC	316-
SPSP 1-21	PI	316-
	PT	316-
	PC	317-
SPSP 1-22	PI	318-
	PRC PCC	318-
SPSP 1-23	PI	318- 319-
	PT	320-
	PC	320-
SPSP 1-24	PI	320-
	PT	320-
	PC	321-
SPSP 1-25	PI PT	321- 321-
	PC	322-
SPSP 1-26	PI	322-
	PT	322-
	PC	323-
SPSP 1-27	PI	323-
	PT	323-
SPSP 1-28	PC PI	324- 324-
01 01-1-20	PT	324-
	PC	325-
SPSP 1-29	PI	325-
	PT	326-
	PC	326-
SPSP 1-30	PI PT	326-
	PT PC	327- 328-
SPSP 1-31	PI	328-
	PT	329-



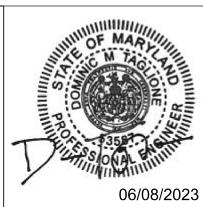
PT

UNITED CONTROL COORDMATES         BL CONSTRUCTION           NUMBER OF INFORMATION         0000		E 147929	0 1 F95000		
	SIG -	+50 12 66"	PC SIA 312	-	SANDY POINT STATE PARK 01
14.10.00 UT 10.2010 00 00 00 00 00 00 00 00 00 00 00 00		SPSP	SP	SP 22	HO PT STA 320+34.23 PT STA 320+72.55 PC STA 320+72.55 1-24 LOOP 3
L SAMPORTON'S THE FEAR 01         Image: 1478 (035 (006) 1478 (035 (006) 1478 (035 (006) 1478 (0378					E126+022 VIS Ld 321+88.96 FE
064-46       443/33 062       1.67 864/333 01       1.62 39 (-10) T         07-527       443/30 (-10) T       1.62 39 (-10) T       1.62 39 (-10) T       1.62 39 (-10) T         07-527       443/30 (-10) T       1.62 39 (-10) T       1.62 39 (-10) T       1.62 39 (-10) T       1.62 39 (-10) T         07-527       443/30 (-10) T       1.62 39 (-10) T       1.60 30 (-10) T       1.62 39 (-10) T <th></th> <th></th> <th>EASTING</th> <th>BEARING</th> <th>The second secon</th>			EASTING	BEARING	The second secon
10 1527 44 258 458 159 15 2527 44 25 25 2511 14 75 25 25 44 25 25 2511 14 75 25 25 251 14 75 25 25 251 14 75 25 25 251 14 75 25 25 44 25 25 25 14 75 25	09+28.36 09+44.86	,		N 43° 55' 17.69" E	99+122 VI 20 352
0.499.28 149.27 149.	09+61.06	494,335.5823	1,478,861.1908		
10-9928 494-234 100 1 - 1478-384 596 N - 67 20 307 W 11-327 494 528 1035 1 - 1478-384 596 N - 67 20 30 P E 11-427 39 44 528 1035 1 - 1478 527 508 N - 67 20 50 P E 11-328 494 402 120 1 - 478 527 508 N - 67 20 50 P E 11-328 494 402 120 1 - 478 527 508 N - 77 20 50 P E 11-328 494 402 120 1 - 478 527 508 N - 77 20 50 P E 11-328 494 402 120 1 - 478 527 508 N - 77 20 50 P E 11-328 494 402 120 1 - 478 527 508 N - 77 20 50 P E 11-328 494 50 50 F I - 1478 527 508 N - 77 52 57 17 F E 11-328 494 50 50 F I - 1478 50 508 N - 77 52 57 17 F E 12-725 494 50 50 7 C - 1478 527 50 N - 77 52 57 17 F E 12-725 494 50 50 7 C - 1478 527 50 N - 77 52 57 17 F E 12-725 494 50 50 7 C - 1478 527 50 N - 77 52 57 17 F E 12-725 494 50 50 7 C - 1478 527 50 N - 77 52 57 17 F E 13-56 494 50 50 7 C - 1478 527 50 N - 77 52 57 17 F E 13-56 494 50 50 7 C - 1478 527 50 N - 77 52 57 17 F E 13-56 494 50 50 7 C - 1478 527 50 N - 77 52 57 17 F E 13-56 494 50 50 7 C - 1478 527 17 77 52 57 17 F E 13-56 494 50 50 7 C - 1478 527 17 77 77 E 13-56 494 50 50 7 C - 1478 527 71 77 77 E 13-56 494 50 50 7 C - 1478 527 71 77 77 E 13-56 494 50 50 7 C - 1478 525 70 N - 77 52 57 17 F E 13-56 494 50 50 7 C - 1478 520 70 F E 13-57 494 70 50 80 1 - 1478 520 70 F E 13-57 494 70 50 80 1 - 1478 520 70 F E 13-58 494 50 705 1 - 1478 520 70 F E 13-58 494 50 705 1 - 1478 520 70 F E 13-58 494 50 705 1 - 1478 520 70 F E 13-58 494 50 705 1 - 1478 520 70 F E 13-59 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E 13-50 494 50 705 1 - 1478 520 70 F E	10+49.73	494,376.3021	1,478,939.9538		75 VIS 20 10 100 100 100 100 100 100 100 100 1
1140-17.27       444 49.050       1/27 802 6124       467 622 1.37 E         1173.27       444 49.135       1/27 812 1.526       N 467 62 1.37 E         1173.27       444 49.135       1/27 817 7022       N 467 62 1.37 E         1173.27       444 49.135       1/27 80 5.86 F       1/27 80 5.86 F         1173.28       444 72 552 11       1/27 80 5.86 F       1/27 80 5.86 F         1174.26       444 49.135       1/27 80 5.86 F       1/27 80 5.86 F         1174.26       444 49.135       1/27 80 5.86 F       1/27 80 5.86 F         1174.27       1/27 80 5.86 F       1/27 80 5.86 F       1/27 80 5.86 F         1174.28       1/27 80 5.86 F       1/27 80 5.86 F       1/27 80 5.86 F         1174.28       1/27 80 5.86 F       1/27 80 5.86 F       1/28 F         1174.28       1/28 5.86 F       1/28 5.76 F       1/28 F         1174.28       1/28 5.86 F       1/28 5.76 F       1/28 F         1174.28       1/28 5.86 F       1/28 5.86 F       1/28 F         1174.28       1/28 5.86 F       1/28 5.86 F       1/28 F         1174.28       1/28 5.86 F       1/28 5.86 F       1/28 5.86 F         1174.28       1/28 5.86 F       1/28 5.86 F       1/28 5.86 F       1/28 5.86 F	10+75.61 10+89.28	,			
11798       11798 <td< th=""><th>11+04.37</th><th>,</th><th>, ,</th><th>N 46° 54' 21 31" E</th><th></th></td<>	11+04.37	,	, ,	N 46° 54' 21 31" E	
11798       11798 <td< th=""><th>11+42.78</th><th>494,466.8643</th><th>1,478,962.4790</th><th></th><th><math>\begin{pmatrix} SPSP \\ 1 26 \end{pmatrix}</math> <math>12c</math> <math>4b</math> <math>c</math> <math>c</math> <math>b</math> <math>b</math> <math>c</math> <math>b</math> <math>b</math> <math>c</math> <math>b</math> <math>b</math> <math>b</math> <math>b</math> <math>b</math> <math>b</math> <math>b</math> <math>b</math> <math>b</math> <math>b</math></th></td<>	11+42.78	494,466.8643	1,478,962.4790		$\begin{pmatrix} SPSP \\ 1 26 \end{pmatrix}$ $12c$ $4b$ $c$ $c$ $b$ $b$ $c$ $b$ $b$ $c$ $b$
11798       11798 <td< th=""><th>11+58.18 11+72.66</th><th></th><th></th><th>N 12° 39' 59.81" E</th><th></th></td<>	11+58.18 11+72.66			N 12° 39' 59.81" E	
121320 444,552 2697 1.478 586,2697 1.478 586,369 444 1.478 587 58.57 E 122356 444,554,2520 1.478,268,362 1.478,268,364 1.278,268,375 E 1247354 444,554,2520 1.478,268,362 1.478,268,369 1.478,267 558,57 E 1247354 444,554,2520 1.478,268,360 1.479,267,268 1.879,277,275 E 124754 444,563,558,411 1.478,108,308 1.879,277,275 E 1346,444,568,568,411 1.478,108,508 1.879,277,275 E 1445,584 444,568,568,411 1.478,108,508 1.879,277,275 E 1445,584 444,568,568,411 1.478,108,501 1.877,277,775 E 1445,584 444,568,568,507 1.478,114,585 1.879,277,775 E 1445,584 444,568,568,277 1.478,114,585 1.879,277,775 E 1445,584 444,568,568,277 1.478,114,585 1.879,277,775 E 1445,584 444,586,586 2.1747,526,756,18 1.879,277,775 E 1445,584 444,586,586 2.1747,526,756,777 72 20 1445,586 444,570,580 71 1.478,118,585 1.879,277,775 E 1445,584 444,586,586 71 1.478,115,806 1.877,277,775 E 1445,584 444,586,586 71 1.478,116,386 1.879,277,775 E 1445,584 444,586,586 71 1.478,116,386 1.879,277,775 E 1445,584 444,586,586 71 1.478,116,386 1.877,377,775 E 1445,584 444,586,586 71 1.478,215,386 1.877,377,775 E 1445,584 444,586,586 71 1.478,215,386 1.877,377,775 E 1445,586 444,596 1.4778,207,386 5.877,377,775 E 1445,586 444,596 1.4778,207,386 5.877,377,775 E 1445,586 444,590 1.477,784,215,584 1.877,377,775 E 1445,580 444,797,784,516 1.4778,207,386 5.877,377,775 E 1445,580 444,797,784,516 1.4778,207,386 5.877,377,775 E 1445,580 444,497,147,384 1.429 1.178,207,396 5.877,175 24 275,272,444,486,580 497 1.4778,207,396 5.877,175 25 E 275,272,444,486,580 497 1.4778,784,344 47,275 1.567 E 275,272,444,486,580 497 1.4778,784,586 5.877,1710,557 E 275,272,444,486,580 497 1.4778,784,586 5.877,1710,557 E 275,375 1.444,580 5406 1.1478,787,796 5.867 5.877,710,557 E 275,375 1.444,580 5406 1.4778,704,704 5.867 5.577,710,557 E 275,375 1.444,580 5406 1.4778,704,704 5.867 5.577,710,557 E 275,375 1.444,580 5406 1.4778,704,704 5.567 F 275,375 1.444,580 5406 1.4778,704,704 5.567 F 275,375 1.444,580 5406 1.4478,707,704,755 5.877 F 275,375 1.444,580 5406 1.	11+86.45	494,505.8716	1,478,980.1272	N 12° 39' 59.81" E	
12-72-39 12-72-39 12-72-39 12-76-30 12-76-	11+99.82 12+13.03	-	, ,	N 2° 33' 43.80" W	224 VI 5 100 VI 1-21
12-72-39 12-72-39 12-72-39 12-76-30 12-76-	12+23.59	,		N 2° 33' 43.80" W	NSIDE TE TE TO SET TO
12-89.3 494.380.0919 1.476 0015:101 N. 29' 21' 21:59' E 31-35:14 494.683.0500 1.476 093.9105 N. 29' 21' 21:59' E 31-55:14 494.685.7486 2.444 44-685.7486 2.444 44-685.7486 2.444 44-685.7486 2.444 44-685.7486 2.444 44-685.7486 2.444 44-75 0420 1.477 012081 N. 57' 25' 00.03' E 14-72.22 494.088 0805 1.477 015:05 10 N. 47' 27' 37.76' E 14-72.22 494.088 0805 1.477 0135:080 N. 57' 25' 00.03' E 14-72.22 494.088 0805 1.477 0135:080 N. 97' 44' 72.07' E 15' 64.50 444.795 0270 1.477 01005 N. 97' 44' 72.07' F 15' 64.50 444.795 0270 1.477 01005 N. 97' 44' 72.07' F 15' 64.50 444.795 0270 1.477 01005 N. 97' 44' 72.07' F 15' 64.50 444.999 0270 1.477 01005 N. 97' 44' 72.07' F 15' 72.50 449.599 0950 1.477 04.55' 54 N. 92' 07' 71' 16' 77' F 15' 95.20 449.699 0950 1.477 04.55' 55 N. 92' 07' 116' 67' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 92.29 57 54 449.098 0920 1.477 01:05' F 15' 92.29 57 54 449.098 0920 1.477 01:05' F 15' 92.29 57 54 449.097 3007 1.478' 708 007.2 S 87' 40' 04.81' F 17' 750 449.498 0950 1.478' 04.59' F 17' 92.08 75 1.477' 70 00.07.2 S 87' 20' 05.07' F 17' 750 449.098 0920 1.478' 70:050' F 17' 950 50 449 07' 500 1.478' 70:050' F 17' 950 50 449 07' 500 1.478' 70:050' F 17' 950 50 449 07' 500 1.478' 70:050' F 17' 950 444 07' 3001 1.480 000 707' 1.480' 100' 001 S 80' 17' 10.55' F 17' 950 444 07' 3001 1.480 000 707' 1.480' 100' 001 S 80' 17' 10.55' F 17' 14' 444.440 000 000 707' 1.480' 100' 001 S 80' 17' 10.55' F 17' 14' 444.440 1400 0000 707' 1.480' 100' 001 S 80' 17' 10.55' F 17' 14' 444.440 1400 0000 707' 1.480' 100' 001 S 80' 10' 10.55' F 17' 14' 444.440 1400 0000 707'	12+45.34	494,563.0273	1,478,988.6335		SPSP
12-89.3 494.380.0919 1.476 0015:101 N. 29' 21' 21:59' E 31-35:14 494.683.0500 1.476 093.9105 N. 29' 21' 21:59' E 31-55:14 494.685.7486 2.444 44-685.7486 2.444 44-685.7486 2.444 44-685.7486 2.444 44-685.7486 2.444 44-685.7486 2.444 44-75 0420 1.477 012081 N. 57' 25' 00.03' E 14-72.22 494.088 0805 1.477 015:05 10 N. 47' 27' 37.76' E 14-72.22 494.088 0805 1.477 0135:080 N. 57' 25' 00.03' E 14-72.22 494.088 0805 1.477 0135:080 N. 97' 44' 72.07' E 15' 64.50 444.795 0270 1.477 01005 N. 97' 44' 72.07' F 15' 64.50 444.795 0270 1.477 01005 N. 97' 44' 72.07' F 15' 64.50 444.795 0270 1.477 01005 N. 97' 44' 72.07' F 15' 64.50 444.999 0270 1.477 01005 N. 97' 44' 72.07' F 15' 72.50 449.599 0950 1.477 04.55' 54 N. 92' 07' 71' 16' 77' F 15' 95.20 449.699 0950 1.477 04.55' 55 N. 92' 07' 116' 67' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 95.22 449.098 0950 1.477 04.55' 55 N. 92' 07' 07' F 15' 92.29 57 54 449.098 0920 1.477 01:05' F 15' 92.29 57 54 449.098 0920 1.477 01:05' F 15' 92.29 57 54 449.097 3007 1.478' 708 007.2 S 87' 40' 04.81' F 17' 750 449.498 0950 1.478' 04.59' F 17' 92.08 75 1.477' 70 00.07.2 S 87' 20' 05.07' F 17' 750 449.098 0920 1.478' 70:050' F 17' 950 50 449 07' 500 1.478' 70:050' F 17' 950 50 449 07' 500 1.478' 70:050' F 17' 950 50 449 07' 500 1.478' 70:050' F 17' 950 444 07' 3001 1.480 000 707' 1.480' 100' 001 S 80' 17' 10.55' F 17' 950 444 07' 3001 1.480 000 707' 1.480' 100' 001 S 80' 17' 10.55' F 17' 14' 444.440 000 000 707' 1.480' 100' 001 S 80' 17' 10.55' F 17' 14' 444.440 1400 0000 707' 1.480' 100' 001 S 80' 17' 10.55' F 17' 14' 444.440 1400 0000 707' 1.480' 100' 001 S 80' 10' 10.55' F 17' 14' 444.440 1400 0000 707'	12+72.59 12+81.00	,	, ,	N 38° 57' 58.87" E	
13:85:14       444.655:4111       1.470.017.4264       N 79*56:57.11*E         13:67:45       444.657:8850       1.470.013.3105       N 79*56:57.11*E         14:40:44.678:886       1.470.013.3105       N 79*56:57.11*E         14:47:83.03       444.667:8856       1.470.013.3105       N 79*56:57.11*E         14:47:83.04       444.667:8856       1.470.116:55       N 57*3207.02*E         14:47:83.05       444.678:886       1.470.116:55       N 57*3207.02*E         14:47:83.04       1.442.0861       N 47*27.377*E       E         16:47:52       1.444.6888       800       1.472.233.300       N 37*44         16:67:03       444.73.85:1       1.472.233.000       N 37*44       12.66*E         16:67:22       440.663.0035       1.474.235.76*L       N 24'0.741.66*E         16:67:22       440.663.0035       1.474.257.5*L       N 24'0.741.66*E         17:65:22       440.663.0035       1.474.708.05%B       S 71'1 91 47 0*E         19:65:22       440.665.0035       1.474.708.05%B       S 71'1 91 47 0*E         19:65:22       440.665.0035       1.474.708.05%B       S 71'1 92.05°E         19:65:22       440.665.0035       1.474.707.05       S 69'2'9'5 2'E         27:77:25       445.074.707       <	12+89.36				
15-86.87       444.773.8515       1.472.240.6468         16-07.03       444.730.6635       1.472.233.6616       N 37* 44*12.66*E         16-07.03       444.780.663       1.472.233.6616       N 37* 44*12.66*E         16+83.81       444.839.9672       1.472.231.6636       N 37* 44*12.66*E         16+93.82       444.839.9672       1.472.231.6636       N 37* 44*12.66*E         16+93.84       449.856.141       1.473.933.367       N 53* 44*0.78*E         16+92.42       449.855       1.476.2425.5754       N 24*07*11.66*E         19+63.44       449.650       1.476.255.754       N 24*07*11.66*E         19+63.45       449.650       1.476.255.754       N 24*07*11.66*E         19+63.44       449.505       1.476.042.5754       N 24*07*11.66*E         19+63.45       449.505.03065       1.477.624.255.754       N 24*07*11.66*E         19+63.41       1.476.057.25       S 82*45'04.81*E       1.479.791.4354         20+72.55       449.698.3065       1.479.803.46635       S 82*25'E         22+66.57       449.698.3464       1.479.791.055*E       1.479.791.456         22+66.57       449.698.3665       1.479.803.4663771       S 80*17*1 0.55*E         22+66.57       449.6963.468       1.479.803.286       Y </th <th>13+55.14</th> <th>494,655.4111</th> <th>1,479,047.4264</th> <th></th> <th>AD F3</th>	13+55.14	494,655.4111	1,479,047.4264		AD F3
15-86.87       444.773.8515       1.472.240.6468         16-07.03       444.730.6635       1.472.233.6616       N 37* 44*12.66*E         16-07.03       444.780.663       1.472.233.6616       N 37* 44*12.66*E         16+83.81       444.839.9672       1.472.231.6636       N 37* 44*12.66*E         16+93.82       444.839.9672       1.472.231.6636       N 37* 44*12.66*E         16+93.84       449.856.141       1.473.933.367       N 53* 44*0.78*E         16+92.42       449.855       1.476.2425.5754       N 24*07*11.66*E         19+63.44       449.650       1.476.255.754       N 24*07*11.66*E         19+63.45       449.650       1.476.255.754       N 24*07*11.66*E         19+63.44       449.505       1.476.042.5754       N 24*07*11.66*E         19+63.45       449.505.03065       1.477.624.255.754       N 24*07*11.66*E         19+63.41       1.476.057.25       S 82*45'04.81*E       1.479.791.4354         20+72.55       449.698.3065       1.479.803.46635       S 82*25'E         22+66.57       449.698.3464       1.479.791.055*E       1.479.791.456         22+66.57       449.698.3665       1.479.803.4663771       S 80*17*1 0.55*E         22+66.57       449.6963.468       1.479.803.286       Y </th <th>13+67.45 14+00.48</th> <th></th> <th></th> <th></th> <th>NE STATE</th>	13+67.45 14+00.48				NE STATE
15-86.87       444.773.8515       1.472.240.6468         16-07.03       444.730.6635       1.472.233.6616       N 37* 44*12.66*E         16-07.03       444.780.663       1.472.233.6616       N 37* 44*12.66*E         16+83.81       444.839.9672       1.472.231.6636       N 37* 44*12.66*E         16+93.82       444.839.9672       1.472.231.6636       N 37* 44*12.66*E         16+93.84       449.856.141       1.473.933.367       N 53* 44*0.78*E         16+92.42       449.855       1.476.2425.5754       N 24*07*11.66*E         19+63.44       449.650       1.476.255.754       N 24*07*11.66*E         19+63.45       449.650       1.476.255.754       N 24*07*11.66*E         19+63.44       449.505       1.476.042.5754       N 24*07*11.66*E         19+63.45       449.505.03065       1.477.624.255.754       N 24*07*11.66*E         19+63.41       1.476.057.25       S 82*45'04.81*E       1.479.791.4354         20+72.55       449.698.3065       1.479.803.46635       S 82*25'E         22+66.57       449.698.3464       1.479.791.055*E       1.479.791.456         22+66.57       449.698.3665       1.479.803.4663771       S 80*17*1 0.55*E         22+66.57       449.6963.468       1.479.803.286       Y </th <th>14+15.33 14+29 80</th> <th></th> <th></th> <th>N 57° 33' 07 03" F</th> <th>With Id of the start of</th>	14+15.33 14+29 80			N 57° 33' 07 03" F	With Id of the start of
15-86.87       444.773.8515       1.472.240.6468         16-07.03       444.730.6635       1.472.233.6616       N 37* 44*12.66*E         16-07.03       444.780.663       1.472.233.6616       N 37* 44*12.66*E         16+83.81       444.839.9672       1.472.231.6636       N 37* 44*12.66*E         16+93.82       444.839.9672       1.472.231.6636       N 37* 44*12.66*E         16+93.84       449.856.141       1.473.933.367       N 53* 44*0.78*E         16+92.42       449.855       1.476.2425.5754       N 24*07*11.66*E         19+63.44       449.650       1.476.255.754       N 24*07*11.66*E         19+63.45       449.650       1.476.255.754       N 24*07*11.66*E         19+63.44       449.505       1.476.042.5754       N 24*07*11.66*E         19+63.45       449.505.03065       1.477.624.255.754       N 24*07*11.66*E         19+63.41       1.476.057.25       S 82*45'04.81*E       1.479.791.4354         20+72.55       449.698.3065       1.479.803.46635       S 82*25'E         22+66.57       449.698.3464       1.479.791.055*E       1.479.791.456         22+66.57       449.698.3665       1.479.803.4663771       S 80*17*1 0.55*E         22+66.57       449.6963.468       1.479.803.286       Y </th <th>14+58.98</th> <th>494,689.8627</th> <th>1,479,145.6835</th> <th></th> <th>94'3" CIE VIS</th>	14+58.98	494,689.8627	1,479,145.6835		94'3" CIE VIS
15-86.87       444.773.8515       1.472.240.6468         16-07.03       444.730.6635       1.472.233.6616       N 37* 44*12.66*E         16-07.03       444.780.663       1.472.233.6616       N 37* 44*12.66*E         16+83.81       444.839.9672       1.472.231.6636       N 37* 44*12.66*E         16+93.82       444.839.9672       1.472.231.6636       N 37* 44*12.66*E         16+93.84       449.856.141       1.473.933.367       N 53* 44*0.78*E         16+92.42       449.855       1.476.2425.5754       N 24*07*11.66*E         19+63.44       449.650       1.476.255.754       N 24*07*11.66*E         19+63.45       449.650       1.476.255.754       N 24*07*11.66*E         19+63.44       449.505       1.476.042.5754       N 24*07*11.66*E         19+63.45       449.505.03065       1.477.624.255.754       N 24*07*11.66*E         19+63.41       1.476.057.25       S 82*45'04.81*E       1.479.791.4354         20+72.55       449.698.3065       1.479.803.46635       S 82*25'E         22+66.57       449.698.3464       1.479.791.055*E       1.479.791.456         22+66.57       449.698.3665       1.479.803.4663771       S 80*17*1 0.55*E         22+66.57       449.6963.468       1.479.803.286       Y </th <th>14+72.22 14+85.40</th> <th></th> <th></th> <th>N 47° 27' 37.78" E</th> <th>2672+30</th>	14+72.22 14+85.40			N 47° 27' 37.78" E	2672+30
16:83.32       494.833.98073       1.479.291.8303       N 37*44'12.66*E         16:83.31       494.833.1641       1.479.301.8667       N 53*48'40.78*E         16:83.51       494.834.914       1.479.303.3567       N 53*48'40.78*E         17:98.42       494.984.910.0668       1.479.331.8667       N 53*48'40.78*E         18:50.22       494.984.934.7529       1.479.425.754       N 24*07'41.66*E         18:50.22       494.985.144'1.47432       N 24*07'41.66*E         19:60.24       494.985.1479.25.754       N 24*07'41.66*E         19:60.22       494.985.1476.26       1.479.625.754       N 24*07'41.66*E         20:72.25       495.064.0000       1.479.757.2560       S 71' 31'47.07*E         20:72.25       495.064.0000       1.479.634.6335       S 62*45'0.48*E         21:77.50       494.998.1404       1.479.701.0707       S 69' 39'5.42*E         21:77.52       494.998.51.404       1.479.91.63207       N 89' 50'0.50*E         21:78.52       494.997.498.73       1.497.91.4937       S 60' 50'50.50*E         21:78.52       494.997.498.73       1.497.91.80.630       S 80' 17 10.20*E         21:78.52       494.997.498.73       1.499.91.898.7564       S 80' 17 10.50*E         21:79.55       494.997.4563       1.499.	15+64.60 15+85.87	,	, ,	N 47° 27' 37.78" E	SPSP THEORY AND THE INTERNAL
16+83.51       494.851.1541       1.479.303.4725         18+97.45       494.859.4914       1.479.303.3567       N. 53*.48*40.78*E         18+97.45       494.859.4914       1.479.303.3567       N. 53*.48*40.78*E         18+20.22       494.958.93055       1.479.414.7432       N. 24*07.4166*E         18+50.22       494.958.93055       1.479.425.5754       N. 24*07.4166*E         19+63.45       495.062.2702       1.479.471.8607       E         20:42.23       495.012.202       1.479.471.8607       E         20:42.23       495.014.2005       1.479.624.8179       E         20:42.25       1.479.010.572       S. 62*450.481*E       E         21:46.12       495.011.441       1.479.624.8179       E         20:42.23       495.013.2005       1.479.473.804       E         21:475.14       494.973.807.701       S. 69*.39*54.29*E       E         22:465.7       494.978.8782       1.479.301.5207       N. 88* 500.50.7*E         23:455.27       494.989.1489       1.480.006.1916       S. 80* 171 10.55*E         23:456.27       494.978.8782       1.479.301.3027       N. 88* 500.50.7*E         23:456.27       494.989.1489       1.480.10.0081       S. 80* 171 10.55*E         23:450.2	16+07.03	494,790.6683	1,479,253.6616		
17:98.42       494.919.1069       1.479.393.3567       N 53* 48* 40.78* E         18:43.02       494.945.9752       1.479.414.7432         18:50.22       494.958.9365       1.479.425.5754       N 24' 07 41.66* E         19:63.45       445.066.2720       1.479.425.5754       N 24' 07 41.66* E         19:63.45       445.066.2720       1.479.425.5754       N 24' 07 41.66* E         20:34.23       495.002.64000       1.479.679.15598       S 71' 3' 14' 07' E         20:42.13       495.005.005       1.479.634.6835       S 82' 45' 04.81* E         21:46.12       495.000.5735       1.479.708.0572       S 82' 45' 04.81* E         21:47.58       494.997.8782       1.479.708.0572       S 82' 45' 04.81* E         21:47.58       494.997.8782       1.479.708.0572       S 82' 45' 04.81* E         21:48.36       494.995.1040       1.479.708.0548       S 69' 39' 54.29* E         22:451.29       494.978.6782       1.479.803.484       S 69' 39' 54.29* E         23:458.27       494.971.4730       1.479.803.484       S 80' 17' 10.5* E         24:492.8       1.479.803.484       1.479.803.500 T       S 80' 17' 10.5* E         24:492.8       1.449.0126.2259       N 88' 50' 05.07' E         24:492.8       1.449.0126.2659 <t< th=""><th>16+83.51</th><th>494,851.1541</th><th>1,479,300.4725</th><th></th><th></th></t<>	16+83.51	494,851.1541	1,479,300.4725		
18724 92       449,934 7529       1,479,411,7432         18750.22       449,958 9365       1,479,425 5754       N 24° 07° 41.66° E         19850.22       449,958 9365       1,479,425 5754       N 24° 07° 41.66° E         1986.345       495.062 2720       1,479,471 8607         20872.25       495.026,4000       1,479,679 2860       S 71° 31′ 47.07° E         20872.25       495.014,2605       1,479,679 2860       S 71° 31′ 47.07° E         2082.37       495.014,2605       1,479,670 26400       1,479,716 0572       S 82° 450 4.81° E         2177.56       494.995,1404       1,479,700 0572       S 82° 450 4.81° E       E         21493.26       449,77,716 0772       S 69° 39° 54.29° E       E       E         22493.75       494,978,782       1,479,786 6345       E       E         22493.75       494,978,782       1,479,780,774<0707       S 69° 39° 54.29° E       E         23493.50       494,977,476,770       1,479,780,780       S 87° 19° 20.80° E       E         23493.50       494,971,4730       1,480,050,1916       S 80° 17° 10.55° E       E         2449.52       494,967,4563       1,480,012       S 56° 46° 15.65°       E         25473.02       494,965,14480,060       1,480,128 26959	16+97.45 17+98.42	,	, ,		
18+50.22       494.958.9365       1,479.425.5754       N 24° 07° 41.66° E         19+63.45       495.062.2720       1,479.471.8607         20+32.23       495.026.4000       1,479.579.2560       \$ 71° 31° 47.07° E         20+32.23       495.001.42605       1,479.671.56986       \$ 71° 31° 47.07° E         20+72.13       495.002.6000       1,479.634.6605       \$ 82° 45′ 04.81° E         21+68.12       494.909.1262       1,479.70.80.672       \$ 82° 45′ 04.81° E         22+81.29       494.998.1404       1,479.778.63484       \$ 69° 39′ 54.29° E         22+51.29       494.998.1404       1,479.778.63484       \$ 69° 39′ 54.29° E         22+51.29       494.997.8067       1,479.788.63484       \$ 69° 39′ 54.29° E         22+51.29       494.997.8067       1,479.788.63484       \$ 69° 39′ 54.29° E         23+59.27       494.997.8067       1,479.788.63484       \$ 69° 39′ 54.29° E         23+59.27       494.997.8067       1,479.807.5004       \$ 69° 39′ 54.29° E         23+59.27       494.997.8684       1,479.978.63484       \$ 71° 20.80° E         23+59.27       494.997.86843       1,479.907.5207       N 88° 50′ 05.07° E         23+59.27       494.997.4583       1,480.030.71° 1.055° E       5         25+79.96       494	18+24.92			N 24° 07' 41 66" F	1-30
22-772.55       495.014.2605       1,479.615.5988       S 71° 31 47.07°         20+92.13       495.011.2605       1,479.615.5988       S 71° 31 47.07°         20+92.13       495.009.9086       1,479.615.5988       S 71° 31 47.07°         21+66.12       495.005.735       1,479.706.0572       S 82° 45 04.81° E         21+75.56       494.999.1262       1,479.706.0572       S 82° 45 04.81° E         21+75.75       494.973.8782       1,479.700.0572       S 69° 39 54.29° E         22+35.75       1,479.706.0572       S 69° 39 54.29° E         22+35.75       494.973.4807       1,479.7000 S       S 69° 39 54.29° E         22+35.75       494.973.4807       1,479.7000 S       S 69° 39 54.29° E         22+37.56       494.973.4807       1,479.709.9950       S 87° 19 20.80° E         23+35.02       494.995.988       1,479.80.910.50° E       S         23+75.46       494.971.4730       1,480.012.62659       S         24+75.46       494.956.1458       1,480.036.7271       S         25+79.55       494.957.9017       1,480.012.6259       S         25+39.86       494.936.0429       1,480.134.9712       S 56° 46° 15.65°         25+39.85       494.986.3666       1,480.188.388       E <t< th=""><th>18+50.22</th><th>494,958.9365</th><th>1,479,425.5754</th><th></th><th>St-SI+JZC W</th></t<>	18+50.22	494,958.9365	1,479,425.5754		St-SI+JZC W
20+82.37 495,011.1481 1,479,624,9179 20+92.13 495,009,9086 1,479,634,6635 8,82°,45°,04.81" E 21+66.12 495,000,5735 1,479,706,0572 21+88.96 494,999,1262 1,479,719,4354 21+88.96 494,995,1404 1,479,730,1904 1,479,778,905 494,978,7872 1,479,786,6348 1,479,778,9950 8,87° 19°20.80° E 22+51.29 494,977,4807 1,479,863,9950 22+52,52 494,970,9889 1,479,910,5207 1,479,863,9950 22+75,55 494,970,9889 1,479,910,5207 1,479,865,9950 22+75,55 494,967,9059 1,479,910,5207 1,480,012,0262 1,480,192,0262 1,480,192,0262 1,480,192,0262 1,480,108,2671 25+22,93 494,965,1458 1,480,060,1916 8,80° 17' 10,55° E 25+89,96 494,956,1458 1,480,168,2671 25+22,93 494,965,0429 1,480,134,9712 25-6° 46° 15,65° 22+33,88 494,926,6306 1,480,188,2671 5,66° 46° 15,65° 24+34,494,906,6062 1,480,188,2671 5,66° 46° 15,65° 25+39,96 494,966,042 494,970,483,77 1,480,322,3904 494,970,483 494,787,4558 1,480,300,9399 5,40° 06° 21,36° E 24+37,36 494,476,420837 1,480,309,939 5,40° 06° 21,36° E 24+37,36 494,476,4558 494,476,4558 494,476,4558 494,476,4558 494,476,4558 494,476,4558 494,476,4558 494,476,4558 494,476,4558 494,476,4558 494,4	19+63.45 20+34.23			S 71° 31' 47.07" E	LOS VIS ID
20+92.13 495,009.9086 1,479,634.6635 S 82° 45′04.81″ E 21+86.12 495,000.5735 1,479,719.4354 21+77.59 494,999.1402 1,479,773.0.1904 S 69° 39′54.29″ E 22+75.75 494,978.8782 1,479,774.0707 S 69° 39′54.29″ E 22+51.29 494,973.4807 1,479,876.9850 S 87″ 19′20.80″ E 22+65.57 494,972.7551 1,479,803.7504 23+33.50 494,969.3484 1,479,887.504 23+33.50 494,969.3484 1,479,887.504 23+73.03 494,968.9059 1,479,910.5207 N 88° 50′05.07″ E 23+73.03 494,968.9059 1,479,910.5207 N 88° 50′05.07″ E 24+75.46 494,971.4730 1,480,012.9262 N 88° 50′05.07″ E 24+75.46 494,971.4730 1,480,006.1916 S 80° 17′10.55″ E 25+79.55 494,957.9017 1,480,116.0081 S 80° 17′10.55″ E 25+79.55 494,957.9017 1,480,116.0081 S 80° 17′10.55″ E 25+39.96 494,956.4428 1,480,128.2659 26+00.08 494,950.4429 1,480,134.9712 S 56° 46′15.65″ 26+37.84 494,977.4585 1,480,089.939 S 40° 08′21.36″ E 28+33.73 494.742.0837 1,480,093.939 S 40° 08′21.36″ E 28+33.73 494.742.0837 1,480,339.2539	20+72.55			S 71° 31' 47.07" E	
21+86.12 495,000.5735 1,479,708.0572 5 82*45 04.81* E 21+77.59 494,999 1262 1,479,719.4354 21+88.96 494,995,1404 1,479,774.0707 5 69*39*54.29" E 22+51.29 494,973,4807 1,479,786.04 22+51.29 494,973,4807 1,479,786.04 22+66.57 494,972,7551 1,479,804.1499 5 87* 19*20.80* E 23+39.50 494,969,3484 1,479,876.9950 5 87* 19*20.80* E 23+39.50 494,968,059 1,479,910.5207 N 88* 50*05.07" E 24+75.46 494,970,9889 1,480,012.9262 N 88* 50*05.07" E 24+75.46 494,971,4730 1,480,030.7271 25+72.53 494,967,4563 1,480,003.7271 25+72.54 494,957,9017 1,480,016.0081 5 80*17*10.55" E 25+89.96 494,957,4563 1,480,018.2671 5 56*46*15.65" 25+39.96 494,957,4429 1,480,018.0271 5 56*46*15.65" 26+30.88 494,928.6306 1,480,118.081 5 56*46*15.65" 26+30.88 494,928.6306 1,480,118.081 5 5 60*46*15.65" 26+37.84 494,774,558 1,480,099.99 5 40*08*21.36" E 28+33.83 494,774,558 1,480,309.9939 5 40*08*21.36" E 28+33.83 494,774,558 1,480,309.9939 5 40*08*21.36" E 28+33.83 494,774,20837 1,480,339.2539	20+92.13	495,009.9086	1,479,634.6635		↓ +
22+51.29 494,973.4807 1,479,788.6348 22+56.57 494,972.7551 1,479,804.1499 S 87° 19'20.80° E 23+39.50 494,969.3484 1,479,876.9950 S 87° 19'20.80° E 23+50.27 494,968.5648 1,479,893.7504 23+73.03 494,968.9059 1,479,910.5207 N 88° 50'05.07" E 24+75.46 494,971.4730 1,480,012.9262 N 88° 50'05.07" E 24+75.46 494,971.4730 1,480,012.9262 N 88° 50'05.07" E 24+79.26 494,967.4563 1,480,060.1916 S 80° 17'10.55" E 25+79.55 494,957.9017 1,480,116.0081 S 80° 17'10.55" E 25+89.96 494,956.1458 1,440,126.2659 26+00.08 494,956.1458 1,480,186.2671 S 56° 46' 15.65" 26+39.88 494,928.6306 1,480,186.223.3904 S 40° 08' 21.36" E 28+39.373 494,787.4558 1,480,300.9939 S 40° 08' 21.36" E 28+39.373 494,742.0837 1,480,339.2539	21+66.12 21+77.59	1		S 82° 45' 04.81" E	$Q_{\alpha}$
22+51.29 494,973.4807 1,479,788.6348 22+56.57 494,972.7551 1,479,804.1499 S 87° 19'20.80° E 23+39.50 494,969.3484 1,479,876.9950 S 87° 19'20.80° E 23+50.27 494,968.5648 1,479,893.7504 23+73.03 494,968.9059 1,479,910.5207 N 88° 50'05.07" E 24+75.46 494,971.4730 1,480,012.9262 N 88° 50'05.07" E 24+75.46 494,971.4730 1,480,012.9262 N 88° 50'05.07" E 24+79.26 494,967.4563 1,480,060.1916 S 80° 17'10.55" E 25+79.55 494,957.9017 1,480,116.0081 S 80° 17'10.55" E 25+89.96 494,956.1458 1,440,126.2659 26+00.08 494,956.1458 1,480,186.2671 S 56° 46' 15.65" 26+39.88 494,928.6306 1,480,186.223.3904 S 40° 08' 21.36" E 28+39.373 494,787.4558 1,480,300.9939 S 40° 08' 21.36" E 28+39.373 494,742.0837 1,480,339.2539	21+88.96	,	, ,		$\frac{2}{36}$
23+39.50 494,969.3484 1.479,876.9950 S 87° 19'20.80" E 23+56.27 494,968.5648 1.479,893.7504 23+73.03 494,968.8059 1.479,910.5207 N 88° 50' 05.07" E 24+75.46 494,970.9889 1.480,012.9262 N 88° 50' 05.07" E 24+99.26 494,971.4730 1.480,036.7271 25+22.93 494,967.4563 1.480,060.1916 S 80° 17' 10.55" E 25+29.3 494,967.4563 1.480,060.1916 S 80° 17' 10.55" E 25+89.96 494,957.9017 1.480,116.0081 S 80° 17' 10.55" E 25+89.96 494,956.1458 1.480,162.2659 26+00.08 494,950.4429 1.480,134.9712 S 56° 46' 15.65" 26+76.42 494,908.6062 1.480,198.8338 27+12.45 494,80.6707 1.480,222.3904 S 40° 08'21.36" E 28+33.38 494,787.4558 1.480,300.9939 S 40° 08'21.36" E 28+33.38 494,787.4558 1.480,300.9939 S 40° 08'21.36" E	22+51.29	494,973.4807	1,479,788.6348		83 82 82
24+75.46       494,970.9889       1,480,012.9262       N 88° 50'000.0" E         24+99.26       494,970.9889       1,480,012.9262       N 88° 50'000.0" E         25+22.93       494,971.4730       1,480,036.7271         25+22.93       494,957.9017       1,480,016.0081       S 80° 17' 10.55" E         25+79.55       494,956.1458       1,480,126.2659         25+89.96       494,950.4429       1,480,134.9712       S 56° 46' 15.65"         26+00.08       494,928.6306       1,480,168.2671       S 56° 46' 15.65"         26+76.42       494,908.6062       1,480,188.338	22+66.57 23+39.50				
24+75.46       494,970.9889       1,480,012.9262       N 88° 50'000.0" E         24+99.26       494,970.9889       1,480,012.9262       N 88° 50'000.0" E         25+22.93       494,971.4730       1,480,036.7271         25+22.93       494,957.9017       1,480,016.0081       S 80° 17' 10.55" E         25+79.55       494,956.1458       1,480,126.2659         25+89.96       494,950.4429       1,480,134.9712       S 56° 46' 15.65"         26+00.08       494,928.6306       1,480,168.2671       S 56° 46' 15.65"         26+76.42       494,908.6062       1,480,188.338	23+56.27	494,968.5648	1,479,893.7504		U PC STA 32
25+22.93       494,967.4563       1,480,060.1916       \$ 80° 17' 10.55" E         25+79.55       494,957.9017       1,480,116.0081       \$ 80° 17' 10.55" E         25+89.96       494,956.1458       1,480,126.2659         26+00.08       494,950.4429       1,480,134.9712       \$ 56° 46' 15.65"         26+39.88       494,928.6306       1,480,188.2671       \$ 56° 46' 15.65"         26+76.42       494,908.6062       1,480,198.8338	24+75.46	494,970.9889	1,480,012.9262		
25+89.96       494,956.1458       1,480,126.2659         26+00.08       494,950.4429       1,480,134.9712       S 56° 46' 15.65"         26+39.88       494,928.6306       1,480,168.2671       S 56° 46' 15.65"         26+76.42       494,908.6062       1,480,198.8338	24+99.26 25+22.93	,		<u>S_80° 17'</u> 10.55" E	1-31
26+00.08       494,950.4429       1,480,134.9712       \$\$ 56° 46' 15.65"         26+39.88       494,928.6306       1,480,168.2671       \$\$ 56° 46' 15.65"         26+76.42       494,908.6062       1,480,198.8338	25+79.55 25+89.96			S 80° 17' 10.55" E	32
26+76.42       494,908.6062       1,480,198.8338         27+12.45       494,880.6707       1,480,222.3904       \$ 40° 08' 21.36" E         28+34.38       494,787.4558       1,480,300.9939       \$ 40° 08' 21.36" E         28+93.73       494,742.0837       1,480,339.2539       August 21.36" E	26+00.08	494,950.4429	1,480,134.9712		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	26+39.88 26+76.42			S 56° 46' 15.65"	
28+93.73 494,742.0837 1,480,339.2539 NATCHINE STA $329 \pm 60 - SEE DW$	27+12.45	494,880.6707	1,480,222.3904		φ <del>± pt sta 329</del> +
	28+93.73	494,742.0837	1,480,339.2539		MATCHLINE STA $329+60$ - SEE DW
	29+32.53	494,706.9292	1,480,387.0724	ວ ວ3 <sup>-</sup> 40 <sup>-</sup> 40.//" E	

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



NO.

DESCRIPTION

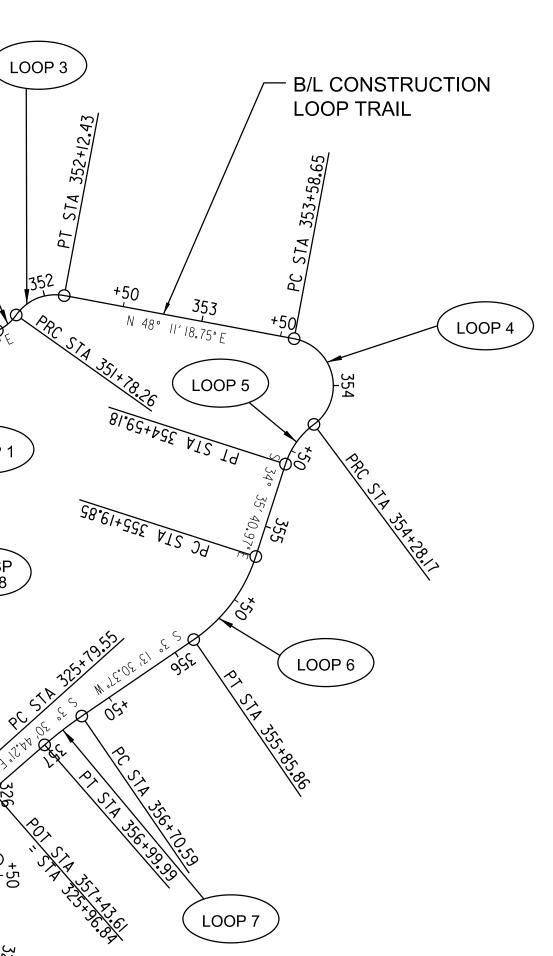
REVISIONS

ΒY

DATE APPROVED DocuSigned by: CHIEF ENGINEER APPROVED

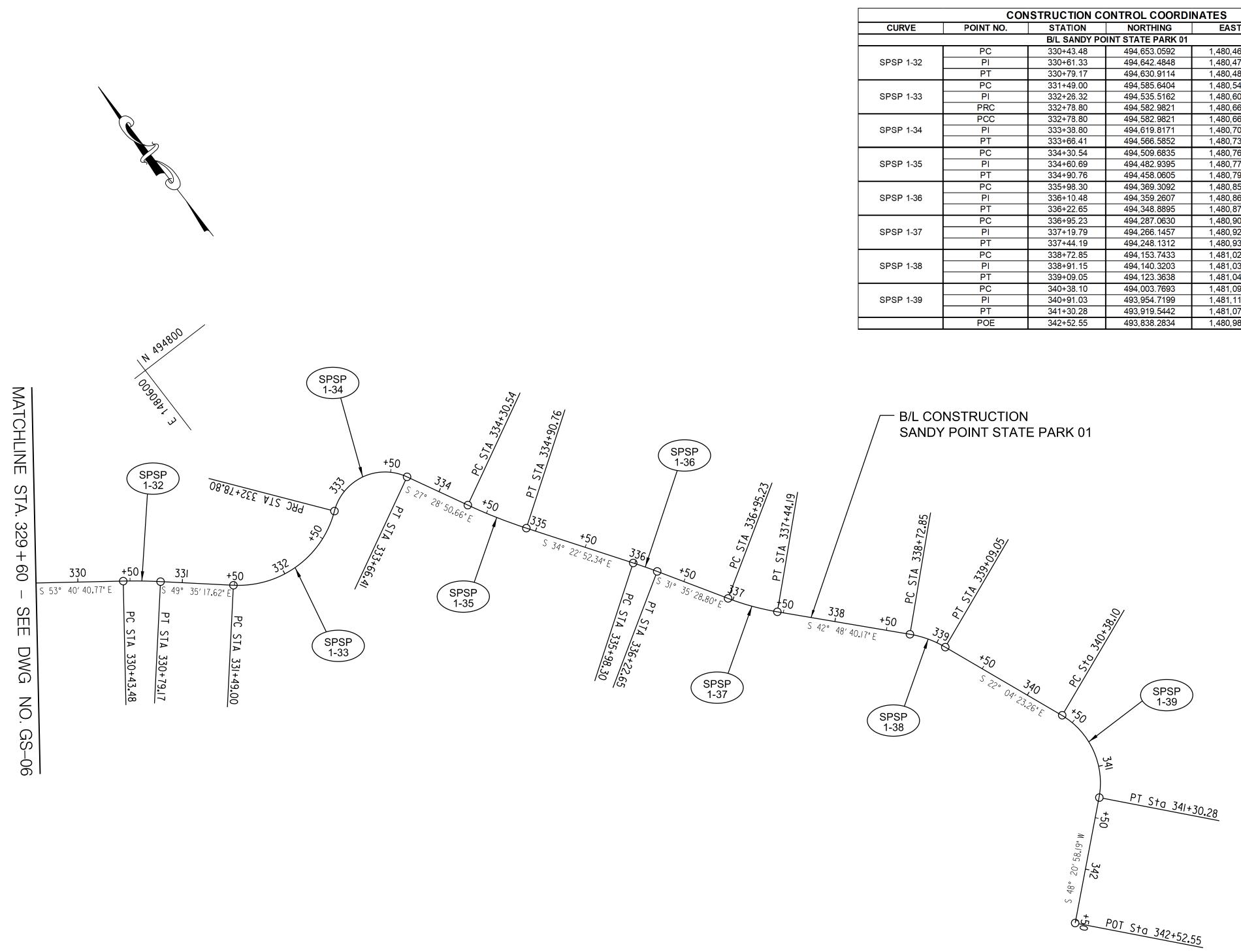
> DocuSigned by: David C. Brann

			CURVE DATA			
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
SPSP 1-10	18° 44' 23.34" (RT)	57° 17' 44.81"	100.00	16.50	32.71	1.35
SPSP 1-11	69° 08' 54.03" (LT)	114° 35' 29.61"	50.00	34.46	60.34	10.72
SPSP 1-12	53° 23' 34.31" (RT)	190° 59' 09.35"	30.00	15.09	27.96	3.58
SPSP 1-13	34° 14' 21.50" (LT)	114° 35' 29.61"	50.00	15.40	29.88	2.32
SPSP 1-14	15° 13' 43.61" (LT)	57° 17' 44.81"	100.00	13.37	26.58	0.89
SPSP 1-15	41° 31' 42.66" (RT)	190° 59' 09.35"	30.00	11.37	21.74	2.08
SPSP 1-16	9° 36' 37.27" (LT)	57° 17' 44.81"	100.00	8.41	16.77	0.35
SPSP 1-17	50° 35' 35.52" (RT)	190° 59' 09.35"	30.00	14.18	26.49	3.18
SPSP 1-18	22° 23' 50.08" (LT)	76° 23' 39.74"	75.00	14.85	29.32	1.46
SPSP 1-19	10° 05' 29.25" (LT)	38° 11' 49.87"	150.00	13.24	26.42	0.58
SPSP 1-20	9° 43' 25.12" (LT)	22° 55' 05.92"	250.00	21.26	42.43	0.90
SPSP 1-21	16° 04' 28.13" (RT)	57° 17' 44.81"	100.00	14.12	28.06	0.99
SPSP 1-22	29° 40' 59.12" (LT)	57° 17' 44.81"	100.00	26.50	51.81	3.45
SPSP 1-23	84° 20' 31.27" (RT)	45° 50' 11.84"	125.00	113.23	184.01	43.66
SPSP 1-24	11° 13' 17.74" (LT)	57° 17' 44.81"	100.00	9.82	19.59	0.48
SPSP 1-25	13° 05' 10.51" (RT)	57° 17' 44.81"	100.00	11.47	22.84	0.66
SPSP 1-26	17° 39' 26.50" (LT)	57° 17' 44.81"	100.00	15.53	30.82	1.20
SPSP 1-27	3° 50' 34.13" (LT)	11° 27' 32.96"	500.00	16.77	33.53	0.28
SPSP 1-28	10° 52' 44.38" (RT)	22° 55' 05.92"	250.00	23.81	47.47	1.13
SPSP 1-29	23° 30' 54.90" (RT)	114° 35' 29.61"	50.00	10.41	20.52	1.07
SPSP 1-30	16° 37' 54.29" (RT)	22° 55' 05.92"	250.00	36.54	72.57	2.66
SPSP 1-31	13° 32' 19.41" (LT)	11° 27' 32.96"	500.00	59.35	118.15	3.51
LOOP 1	13° 56' 35.31" (RT)	57° 17' 44.81"	100.00	12.23	24.34	0.74
LOOP 2	29° 39' 27.71" (LT)	190° 59' 09.35"	30.00	7.94	15.53	1.03
LOOP 3	65° 15' 03.87" (RT)	190° 59' 09.35"	30.00	19.20	34.17	5.62
LOOP 4	132° 45' 26.94" (RT)	190° 59' 09.35"	30.00	68.60	69.51	44.87
LOOP 5	35° 32' 26.66" (LT)	114° 35' 29.61"	50.00	16.02	31.02	2.51
LOOP 6	37° 49' 11.34" (RT)	57° 17' 44.81"	100.00	34.26	66.01	5.71
LOOP 7	6° 44' 14.58" (LT)	22° 55' 05.92"	250.00	14.72	29.40	0.43



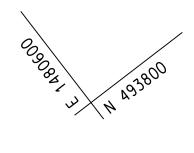
PC STA 328+34.38

329+52.53						
DWG NO.GS-(	)7	60' O Scal	60' _E: 1"=60'	120′	GP# G02018957	DWG. NO.: GS-06
		ANNE ARUNI	DEL COUNTY	·		
	D	EPARTMENT OF		RKS		
DATE	APPROVED	DATE	SCALE: AS NOTE	ED	BROADNECK PENINSU	LA TRAIL
11/20/2023   08:5	9 EST Jule autry	11/17/2023   08:	0 DRAWN BY:	DMT	PHASE IB & V	
			CHECKED BY:	DMT		
DATE	APPROVED	DATE	SHEET NO.	<u>17</u> OF 116		VOUT
11/17/2023   11:5	6 EST Jon Burke	11/17/2023   18:	3 PROJECT NO.	P504100	GEOMETRIC LA	TUUT
ENGINEER	CHIEF, RIGHT OF WAY		CONTRACT NO.	P504105		





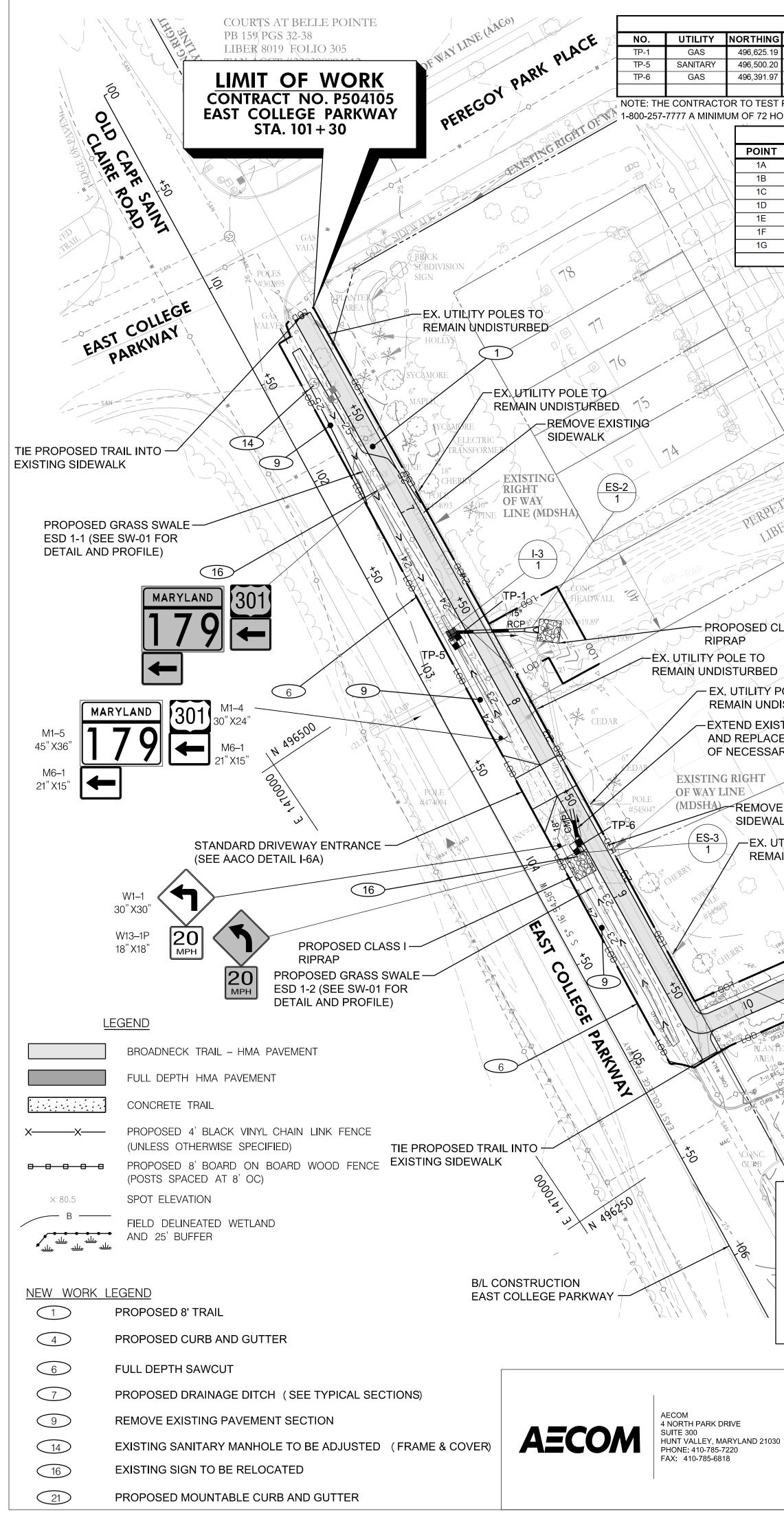
	CONSTRUCTION CONTROL COORDINATES						
CURVE	POINT NO.	STATION	NORTHING	EASTING	BEARING		
		B/L SANDY PC	DINT STATE PARK 01				
	PC	330+43.48	494,653.0592	1,480,460.3486	S 53° 40' 40.77" E		
SPSP 1-32	PI	330+61.33	494,642.4848	1,480,474.7324			
	PT	330+79.17	494,630.9114	1,480,488.3254	S 49° 35' 17.62" E		
	PC	331+49.00	494,585.6404	1,480,541.4964	S 49° 35' 17.62" E		
SPSP 1-33	PI	332+26.32	494,535.5162	1,480,600.3677			
	PRC	332+78.80	494,582.9821	1,480,661.4027	N 52° 07' 42.07" E		
	PCC	332+78.80	494,582.9821	1,480,661.4027	N 52° 07' 42.07" E		
SPSP 1-34	PI	333+38.80	494,619.8171	1,480,708.7677			
	PT	333+66.41	494,566.5852	1,480,736.4557	S 27° 28' 50.66" E		
	PC	334+30.54	494,509.6835	1,480,766.0525	S 27° 28' 50.66" E		
SPSP 1-35	PI	334+60.69	494,482.9395	1,480,779.9631			
	PT	334+90.76	494,458.0605	1,480,796.9861	S 34° 22' 52.34" E		
	PC	335+98.30	494,369.3092	1,480,857.7127	S 34° 22' 52.34" E		
SPSP 1-36	PI	336+10.48	494,359.2607	1,480,864.5882			
	PT	336+22.65	494,348.8895	1,480,870.9664	S 31° 35' 28.80" E		
	PC	336+95.23	494,287.0630	1,480,908.9895	S 31° 35' 28.80" E		
SPSP 1-37	PI	337+19.79	494,266.1457	1,480,921.8535			
	PT	337+44.19	494,248.1312	1,480,938.5417	S 42° 48' 40.17" E		
	PC	338+72.85	494,153.7433	1,481,025.9800	S 42° 48' 40.17" E		
SPSP 1-38	PI	338+91.15	494,140.3203	1,481,038.4147			
	PT	339+09.05	494,123.3638	1,481,045.2907	S 22° 04' 23.26" E		
	PC	340+38.10	494,003.7693	1,481,093.7877	S 22° 04' 23.26" E		
SPSP 1-39	PI	340+91.03	493,954.7199	1,481,113.6778			
	PT	341+30.28	493,919.5442	1,481,074.1287	S 48° 20' 58.19" W		
	POE	342+52.55	493,838.2834	1,480,982.7648	S 48° 20' 58.19" W		



PROFESSIONAL CERTIFICATION			REVISION	IS			
" 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	OF MARY PLO	NO.	DESCRIPTION	BY	DATE	APPROVED	11/20
MARYLAND." MD LICENSE NUMBER: 53587 EXPIRATION DATE: 12-09-2024	06/08/2023					APPROVED Docusigned by: Davrid C. Brown ASSISTANT CHIEF E	11/17 NGINEER

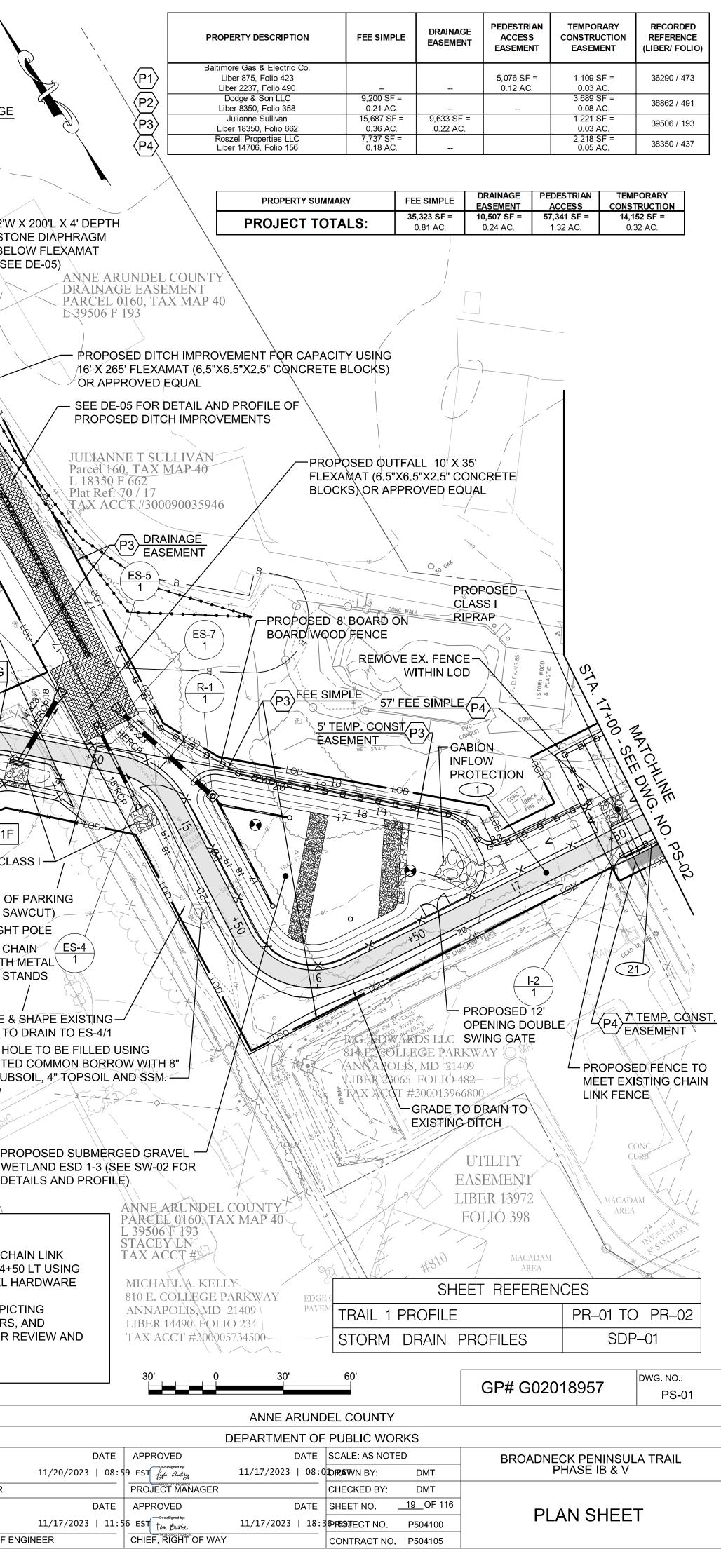
CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
SPSP 1-32	4° 05' 23.14" (RT)	11° 27' 32.96"	500.00	17.85	35.69	0.32
SPSP 1-33	78° 17' 00.30" (LT)	60° 18' 40.85"	95.00	77.32	129.80	27.49
SPSP 1-34	100° 23' 27.26" (RT)	114° 35' 29.61"	50.00	60.00	87.61	28.10
SPSP 1-35	6° 54' 01.68" (LT)	11° 27' 32.96"	500.00	30.15	60.22	0.91
SPSP 1-36	2° 47' 23.55" (RT)	11° 27' 32.96"	500.00	12.18	24.35	0.15
SPSP 1-37	11° 13' 11.38" (LT)	22° 55' 05.92"	250.00	24.56	48.96	1.20
SPSP 1-38	20° 44' 16.91" (RT)	57° 17' 44.81"	100.00	18.30	36.19	1.66
SPSP 1-39	17° 41' 43.42" (LT)	104° 10' 26.92"	55.00	8.56	16.99	0.66

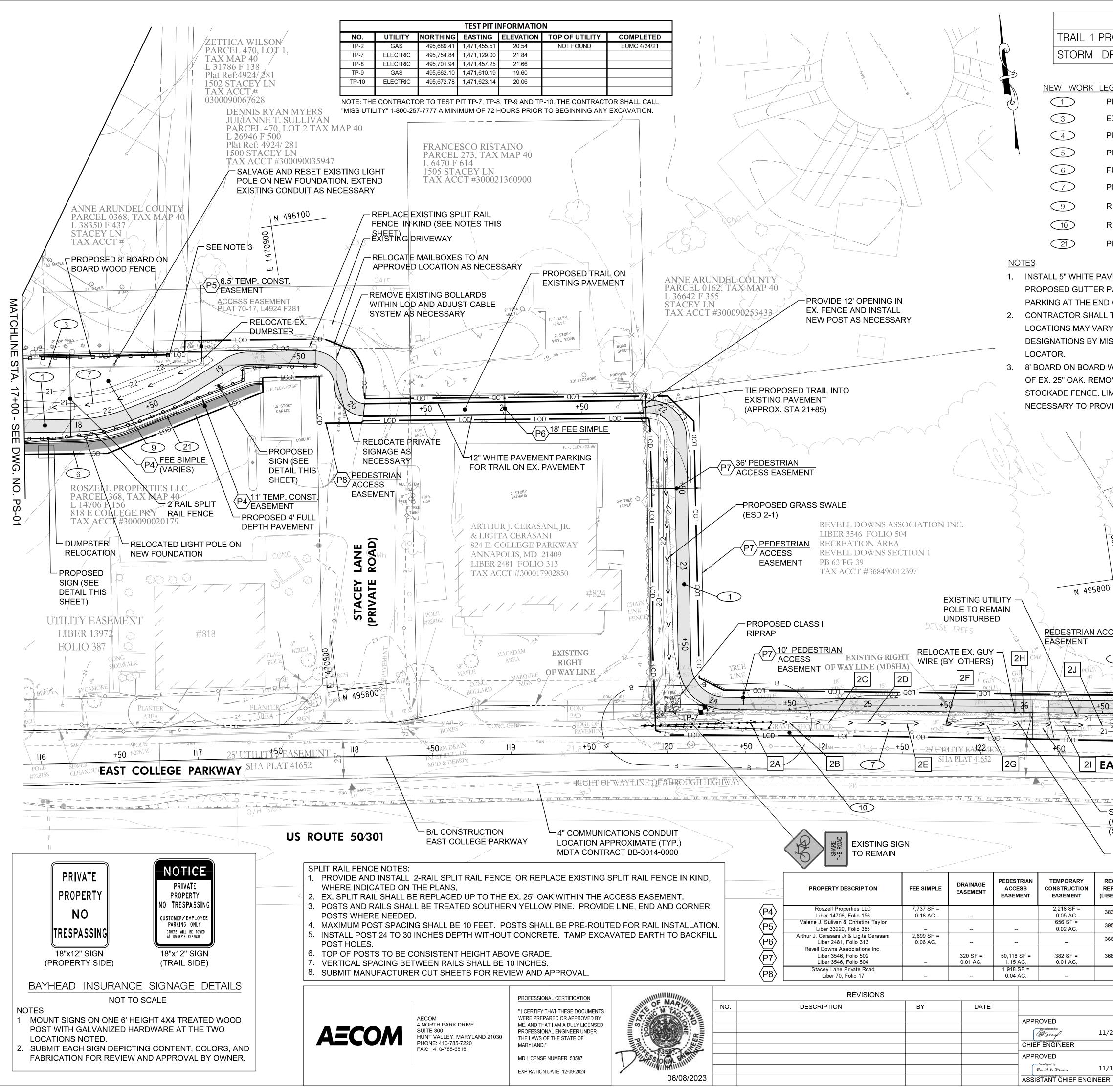
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		ANNE ARUND	EL COUNTY			
	D	EPARTMENT OF		RKS		
DATE	APPROVED	DATE	SCALE: AS NOTE	Ð	BROADNECK PENINSU	JLA TRAIL
11/20/2023   08:5	9 EST Jule antry	11/17/2023   08:0	DRAWN BY:	DMT	PHASE IB & V	
	PROJECT MANAGER		CHECKED BY:	DMT		
DATE	APPROVED	DATE	SHEET NO.	<u>18</u> OF 116		
11/17/2023   11:5	6 EST Jon Burke	11/17/2023   18:3	PROJECT NO.	P504100	GEOMETRIC LA	ATOUT
NGINEER	CHIEF, RIGHT OF WAY		CONTRACT NO.	P504105		



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0.20 1,	,470,100.44	24.17					LOCATIONS MAY VARY DEPENDING ACCURATE FIELD DESIGNATIONS E			•	
,							MISS UTILITY OR OTHER PRIVATE		/ _	ţ,	
	TP-5 AND				'MISS UTILITY"		UTILITY LOCATOR.		- WHY	∖//} <b>;/</b> /\	35' DRAINAGE EASEMENT
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INT A	TRAIL 0		<b>TATION</b> 12+50	<b>OFFSET</b> 8.50 RT	ELEVATION 18.22		N 496500 38				
B C	TRAIL 0 <sup>.</sup> TRAIL 0 <sup>.</sup>		12+75 13+00	8.50 RT 8.50 RT	17.90 17.68		N	WUS			
D	TRAIL 0 <sup>°</sup>	1	13+25	8.50 RT	17.58			WD		EX	. WELL / 2'W
E F	TRAIL 0 <sup>°</sup> TRAIL 0 <sup>°</sup>		13+50 13+75	8.50 RT 8.50 RT	17.50 17.43						T STC BEL
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$\sim$					$\mathbf{x}$	//				WACY FENGE	ES-6
	726	EAST COI	LLEGE P	LECTRIC ( ARKWAY		,			ONED LIGHT BE REMOVED		
		NAPOLIS, Er 2237 f					REMOVE EX				
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$\backslash$	$\langle \rangle$	X			-21- **			1B			PROPOSED LIGHT
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CTRANSIA #302114	A A A A	50	Do MAPLE	ECONC PAD	-7		e la serie de la s		P. CONST. EA	180 1	OR CONCRETE ST
		et and the second	O A' TREE		15 III			V <sup>P2</sup> /(VARI	IES 12'-15')	/	m
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THEN TAL		VAC/AIR STATION 7-ELEVEN	GRASJ <sup>2</sup>					LIBER	POLIS, MD <i>2</i> 3350 FOL1O	358 /	EX. SINK HC
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125 SIGN	Raush		~	CORPORAT	TON POST FO	OR EX	7 / 8	OSED POLE			
URB & CONTT	ER	ANNA	POLIS, M	LEGE PARK ID 21409	CHAIN L REMAIN			NOTES - SHEET)	193		/ Jone
	\	LIBER PARCE	.8717 FQ EL 1	LIO 216				<pre>,</pre>			PR
1 to		TAXA	CCT #30	0028751205							WE WE
	1 Jr.	MACADAM Area	ſ	Ì							
14	ROPOSED	LIGHT P									\ <b>/</b> \
1.	PROVID BASE CO		5 FALL (3)	ROUND ST	EEL POLES O	F 20' F	IEIGHT WITH HANDHOLE AND FULL	Å	PRIVAT		S: DUNT SIGN TO CH
2.	PROVID	E CONCR					RECOMMENDED BY MANUFACTURER HOR BOLTS AND HARDWARE.		PROPER		NCE AT STA. 14+5
	EACH P	OLE FITTE	ED WITH	ONE LED A	REA LIGHT FIX	TURE	WITH POLE MOUNT ARM.	8	NO		AINLESS STEEL H
$\overline{\}$	BY OWN	ER.					VDER COAT FINISH OR AS APPROVED				JBMIT SIGN DEPIC ONTENT, COLORS
\   5.		E UNDER ROPERTY			AL SERVICE C	ONNE	CTION PER CODE AND COORDINATE		TRESPASS		BRICATION FOR F
	CONTRA	ACTOR SH	HALL BE F	RESPONSIE	BLE FOR OBTA		NECESSARY PERMITS.		18"x12" SI (TRAIL SII	GN	PROVAL
L.,.										-1	
					WHID.		REVISION	١S			
		<u>AL CERTIFICATI</u> HAT THESE DOC	_	NINI	MARY	NO.	DESCRIPTION		BY	DATE	
		RED OR APPRO		ES:30							

	PROFESSIONAL CERTIFICATION			REVISIONS			
	" I CERTIFY THAT THESE DOCUMENTS	OF MARY	NO.	DESCRIPTION	BY	DATE	-
	WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER	S S S S S S S S S S S S S S S S S S S					APPROVED
)	THE LAWS OF THE STATE OF MARYLAND."	PRO					CHIEF ENGINEER
	MD LICENSE NUMBER: 53587	T 449 S ONAL PRIMIT					APPROVED Docusigned by: David C. Braun
	EXPIRATION DATE: 12-09-2024	06/08/2023					ASSISTANT CHIEF







IL 1 PROFILE   F	PR-02 TO PR-03
RM DRAIN PROFILES	SDP-01

## NEW WORK LEGEND

- PROPOSED 8' TRAIL
- EXISTING CURB AND GUTTER TO BE REMOVED
- PROPOSED CURB AND GUTTER
- PROPOSED CURB WALL
- FULL DEPTH SAWCUT
- PROPOSED DRAINAGE DITCH (SEE TYPICAL SECTIONS)
- REMOVE EXISTING PAVEMENT SECTION
- **REMOVE EXISTING GRAVEL SHOULDER**
- PROPOSED MOUNTABLE CURB AND GUTTER

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

8' BOARD ON BOARD WOOD FENCE TO STOP APPROX. 5' SHORT OF EX. 25" OAK. REMOVE THE EXISTING SPLIT RAIL AND STOCKADE FENCE. LIMB UP WHITE PINE TREES ONLY AS NECESSARY TO PROVIDE VERTICAL CLEARANCE FOR FENCE.

NADEEM ASHRAF

LOT 16-B

PB 63 PG 39

1658 FOOLISH PLEASUREN

JOHN K. TULLY

LOT 16-A

(PB 63 PG 39

- BEGIN PROPOSED CURB WALL

124

(1' HEIGHT) STA. 27+25

1660 FOOLISH PLÆASURE

ANNAPOLIS, MD/21409

LIBER 27012 FOLIO 476

REVELL DOWNS SECT. 1

TAX ACCT #368490012432

[6]

+50

(2)

TRANSITION 8' TRAIL TO 10' TRAIL

- EX. FENCE TO REMAIN

(STA. 27+32 TO STA. 27+56)

CONTRACT NO. P504105

(4)

ANNAPOLIS, MD 21409

REVELL BOWNS SECT. 1

TAX ACCT #368490012433

JBER-29784 FOLIO 1.

	CONCRETE TRAIL
xx	PROPOSED 4' BL
<del>o o o o o</del>	PROPOSED 8' BC (POSTS SPACED
× 80.5	SPOT ELEVATION
BB	FIELD DELINEATE AND 25' BUFFER

LEGEND

BROADNECK TRAIL - HMA PAVEMENT

- FULL DEPTH HMA PAVEMENT
- CONCRFTE TRAIL

BLACK VINYL CHAIN LINK FENCE BOARD ON BOARD WOOD FENCE ED AT 8' OC)

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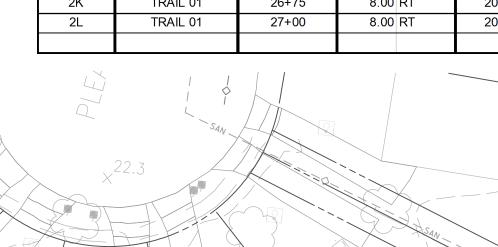
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(10)

EATED WETLAND FR

DITCH ELEVATION								
POINT	BASELINE	STATION	OFFSET	ELEVATION				
2A	TRAIL 01	24+25	8.00 RT	21.00				
2B	TRAIL 01	24+50	8.00 RT	20.92				
2C	TRAIL 01	24+75	8.00 RT	20.84				
2D	TRAIL 01	25+00	8.00 RT	20.76				
2E	TRAIL 01	25+25	8.00 RT	20.68				
2F	TRAIL 01	25+50	8.00 RT	20.60				
2G	TRAIL 01	25+75	8.00 RT	20.52				
2H	TRAIL 01	26+00	8.00 RT	20.44				
21	TRAIL 01	26+25	8.00 RT	20.36				
2J	TRAIL 01	26+50	8.00 RT	20.28				
2K	TRAIL 01	26+75	8.00 RT	20.20				
2L	TRAIL 01	27+00	8.00 RT	20.12				



1661 FOOLISH PLEASURI

ANNAPOLIS, MD 21409

LIBER 3339 FOLIO 260

REVELL DOWNS SECT. 1

TAX ACCT #368490012431

EXISTING RIGHT

125 TP-9/

<u>I-2</u> 2 <u>MH-1</u>

**US ROUTE 50/301** 

GP# G02018957

OF WAY LINE (MDSHA)

LOT 15-B

PB 63 PG 39

N 495800

REDESTRIAN ACCESS

(1)

2L

WOODEN

FENCE

2K +50 123 21 EAST COLLEGE PARKWAY

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 </u> - STANDARD DRIVEWAY ENTRANCE (WITHOUT DRAINAGE PIPE) (SEE AACO DETAIL I-6A)

- REMOVE EX. 12" CMP

RECORDED REFERENCE (LIBER/ FOLIO) 38350 / 437 39506 / 152 36642 / 355 36815 / 430 ---

SEE NOTE 1-

ANNE ARUNDEL COUNTY

DEPARTMENT OF PUBLIC WORKS DATE APPROVED DATE SCALE: AS NOTED 11/20/2023 | 08:59 EST Jule Autur 11/17/2023 | 08:01 DRAWN BY: DMT PROJECT MANAGER CHECKED BY: DMT DATE | SHEET NO. \_\_\_\_\_OF 116 DATE APPROVED 11/17/2023 | 11:56 EST tom Burke 11/17/2023 | 18:36PROJECT NO. P504100 CHIEF, RIGHT OF WAY

PHASE IB & V

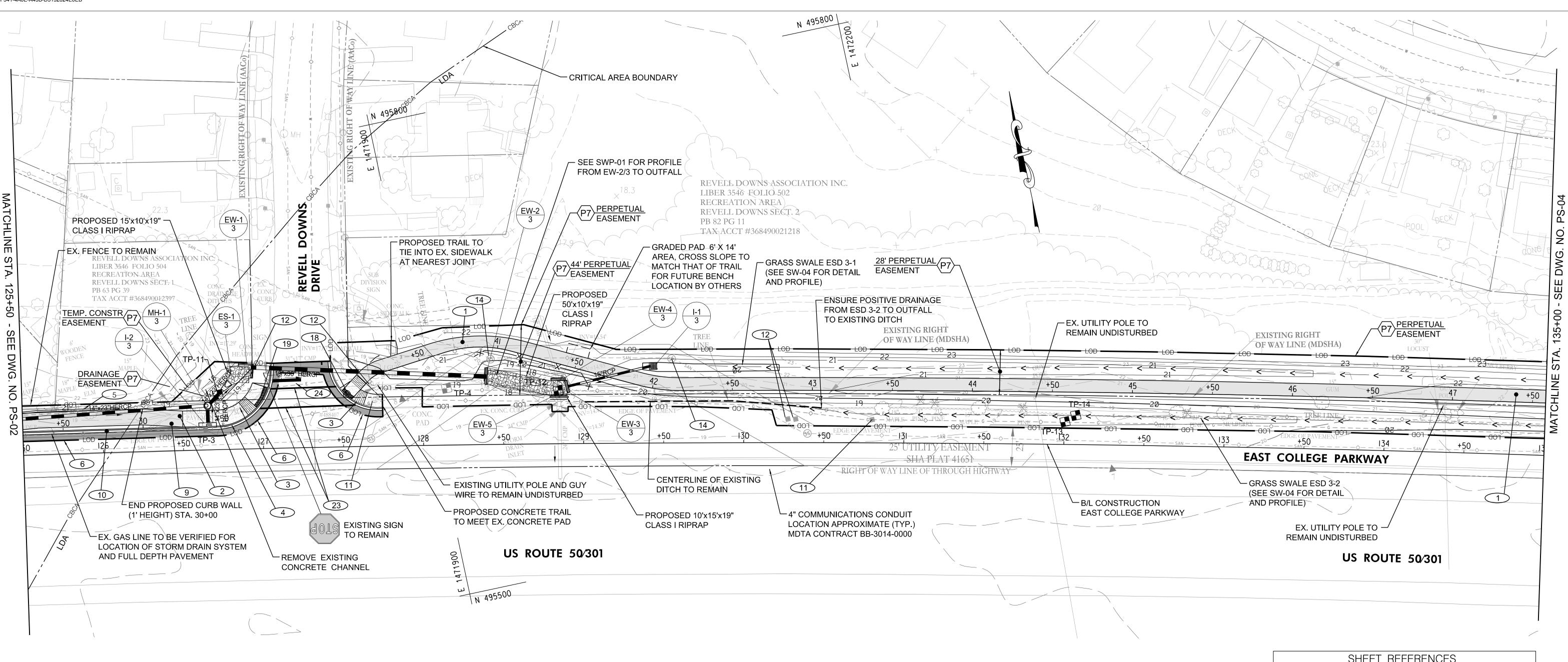
**BROADNECK PENINSULA TRAIL** 

DWG. NO.:

PS-02

PLAN SHEET





## <u>NOTES</u>

- 1. 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.
- 2. 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-3	GAS	495,636.48	1,471,761.74	18.93	NOT FOUND	EUMC 4/24/21		
TP-4	SANITARY	495,628.83	1,471,912.79	18.62	16.63	EUMC 4/24/21		
TP-11	ELECTRIC	495,654.80	1,471,772.36	17.97				
TP-12	ELECTRIC	495,612.79	1,471,980.73	15.48				
TP-13	GAS	495,526.89	1,472,286.21	18.91				
TP-14	ELECTRIC	495,529.73	1,472,293.65	18.77				

NOTE: THE CONTRACTOR TO TEST PIT TP-11, TP-12, TP-13, AND TP-14. THE CONTRACTOR SHALL CALL "MISS UTILITY" 1-800-257-7777 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING ANY EXCAVATION.

	PROPERTY DESCRIPTION	FEE SIMPLE	DRAINAGE Easement	PEDESTRIAN ACCESS EASEMENT	TEMPORARY CONSTRUCTION EASEMENT	RECORDED REFERENCE (LIBER/ FOLIO)
(P7)	Revell Downs Associations Inc. Liber 3546, Folio 502 Liber 3546, Folio 504		320 SF = 0.01 AC.	50,118 SF = 1.15 AC.	382 SF = 0.01 AC.	36815 / 430



NEW WORK	
	PROPOSED 8' TRAIL
3	EXISTING CURB AND GUTTER TO BE REMOVED
4	PROPOSED CURB AND GUTTER
5	PROPOSED CURB WALL
6	FULL DEPTH SAWCUT
9	REMOVE EXISTING PAVEMENT SECTION
10	REMOVE EXISTING GRAVEL SHOULDER
	EXISTING TV HANDBOX TO BE ADJUSTED
12	EXISTING TELEPHONE HANDBOX TO BE ADJUSTED
14	EXISTING SANITARY MANHOLE TO BE ADJUSTED (FRA
18	PROPOSED CURB RAMP MDOT SHA STANDARD 655.11
19	PROPOSED CURB RAMP MDOT SHA STANDARD 655.12
23	12" WHITE REFLECTIVE THERMOPLASTIC PAVEMENT M
24	24" WHITE REFLECTIVE THERMOPLASTIC PAVEMENT M

PROFESSIONAL CERTIFICATION			REVISIONS				
" 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	OF MAR TAOCONE	NO.	DESCRIPTION	BY	DATE	APPROVED DocuSigned by: BEALENCY CHIEF ENGINEER	11/2
MARYLAND." MD LICENSE NUMBER: 53587 EXPIRATION DATE: 12-09-2024	06/08/2023					APPROVED Docusigned by: Docusigned by: Docusier(Tractabul)	11/1
	06/08/2023					ASSISTANT CHIEF ENG	GINEE

SHEET REFERENCES					
TRAIL	1 PROFILE	PR-03			
TRAIL	2 PROFILE	PR-04			
INTER	SECTION DETAIL	ID-01			
STOR	M DRAIN PROFILES	SDP-01			

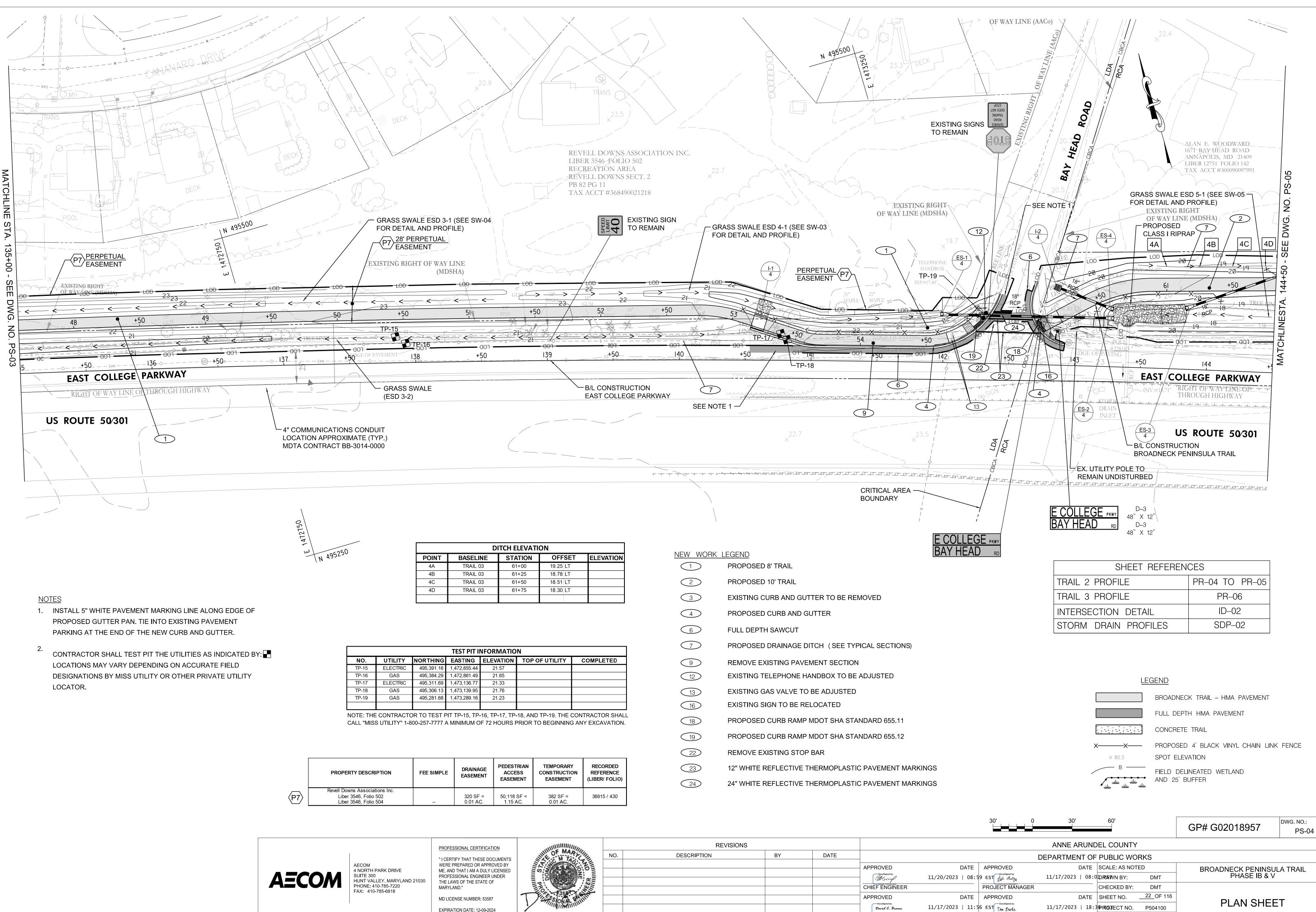
<u>LEGEND</u> BROADNECK TRAIL - HMA PAVEMENT FULL DEPTH HMA PAVEMENT CONCRETE TRAIL PROPOSED 4' BLACK VINYL CHAIN LINK FENCE X-----X-----RAME & COVER) SPOT ELEVATION  $\times$  80.5 \_\_\_\_ В \_\_\_\_\_ FIELD DELINEATED WETLAND AND 25' BUFFER MARKINGS MARKINGS DWG. NO.: GP# G02018957 PS-03 ANNE ARUNDEL COUNTY DEPARTMENT OF PUBLIC WORKS DATE APPROVED DATE SCALE: AS NOTED BROADNECK PENINSULA TRAIL PHASE IB & V 11/20/2023 | 08:59 EST Jule autor 11/17/2023 | 08:0<mark>1</mark>DRAWN BY: DMT PROJECT MANAGER CHECKED BY: DMT DATE APPROVED DATE SHEET NO. <u>21</u>OF 116 PLAN SHEET

11/17/2023 | 18:3 PROJECT NO. P504100

CONTRACT NO. P504105

11/17/2023 | 11:56 EST Tom Burke

CHIEF, RIGHT OF WAY



NO.	UTILITY	NORTHING	EASTING	ELEVATION	TOP OF UTILITY	COMPLETE
TP-15	ELECTRIC	495,391.16	1,472,855.44	21.57		
TP-16	GAS	495,384.29	1,472,861.49	21.65		
TP-17	ELECTRIC	495,311.69	1,473,136.77	21.33		
TP-18	GAS	495,306.13	1,473,139.95	21.76		
TP-19	GAS	495,281.68	1,473,289.16	21.23		

	PROPERTY DESCRIPTION	
$\neg$	Revell Downs Associations Inc.	
P7)	Liber 3546, Folio 502	
<u>''</u>	Liber 3546, Folio 504	



DITCH ELEVATION								
POINT	BASELINE	STATION	OFFSET	ELEVATION				
4A	TRAIL 03	61+00	19.25 LT					
4B	TRAIL 03	61+25	18.78 LT					
4C	TRAIL 03	61+50	18.51 LT					
4D	TRAIL 03	61+75	18.30 LT					

FEE SIMPLE	DRAINAGE EASEMENT	PEDESTRIAN ACCESS EASEMENT	TEMPORARY CONSTRUCTION EASEMENT	RECORDED REFERENCE (LIBER/ FOLIO)	
	320 SF = 0.01 AC.	50,118 SF = 1.15 AC.	382 SF = 0.01 AC.	36815 / 430	

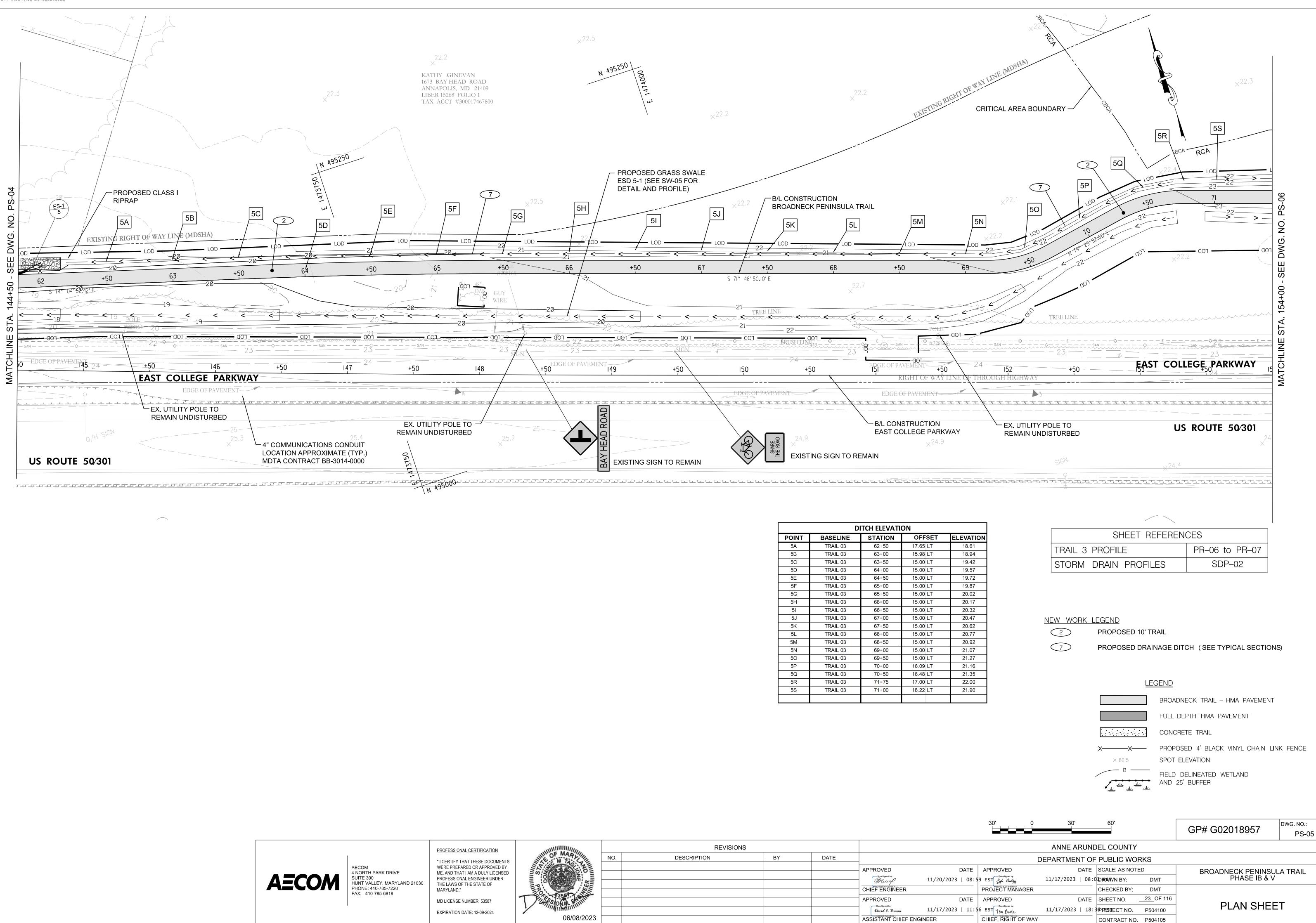
<u>NEW WORK I</u>	_EGEND
$\bigcirc 1$	PROPOSED 8' TRAIL
2	PROPOSED 10' TRAIL
3	EXISTING CURB AND GUTTER TO BE REMOVED
4	PROPOSED CURB AND GUTTER
6	FULL DEPTH SAWCUT
7	PROPOSED DRAINAGE DITCH (SEE TYPICAL SECTIONS)
9	REMOVE EXISTING PAVEMENT SECTION
12	EXISTING TELEPHONE HANDBOX TO BE ADJUSTED
13	EXISTING GAS VALVE TO BE ADJUSTED
16	EXISTING SIGN 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 MAP
24	24" WHITE REFLECTIVE THERMOPLASTIC PAVEMENT MAP

PROFESSIONAL CERTIFICATION			REVISIONS			
" 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	NO.	DESCRIPTION	BY	DATE	APPROVED Decusigned by: Decusigned by: Decusigned by: CHIEF ENGINEER APPROVED Decusigned by: Denid C. Brown ASSISTANT CHIEF EN
		·		·		

CONTRACT NO. P504105

ENGINEER

CHIEF, RIGHT OF WAY





DITCH ELEVATION						
POINT	BASELINE	STATION				
5A	TRAIL 03	62+50	1			
5B	TRAIL 03	63+00	1			
5C	TRAIL 03	63+50	1			
5D	TRAIL 03	64+00	1			
5E	TRAIL 03	64+50	1			
5F	TRAIL 03	65+00	1			
5G	TRAIL 03	65+50	1			
5H	TRAIL 03	66+00	1			
51	TRAIL 03	66+50	1			
5J	TRAIL 03	67+00	1			
5K	TRAIL 03	67+50	1			
5L	TRAIL 03	68+00	1			
5M	TRAIL 03	68+50	1			
5N	TRAIL 03	69+00	1			
50	TRAIL 03	69+50	1			
5P	TRAIL 03	70+00	1			
5Q	TRAIL 03	70+50	1			
5R	TRAIL 03	71+75	1			
5S	TRAIL 03	71+00	1			

PROFESSIONAL CERTIFICATION		REVISIONS				
" I CERTIFY THAT THESE DOCUMENTS	OF MARL	NO.	DESCRIPTION	BY	DATE	
WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED						APPROVED
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF						
MARYLAND."						CHIEF ENGINEER
MD LICENSE NUMBER: 53587	T FUSSIONAL EMILITY					APPROVED
EXPIRATION DATE: 12-09-2024						David C. Braun
	06/08/2023					ASSISTANT CHIEF