MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION

PINEY BRANCH ROAD BIKE LANES PURPLE LINE BIPPA

INDEX OF SHEETS

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MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION MAINTENANCE CERTIFICATION

I HEREBY CERTIFY THAT THE DEPARTMENT OF TRANSPORTATION WILL ASSUME MAINTENANCE RESPONSIBILITIES FOR ALL STORMWATER MANAGEMENT FACILITIES AS LISTED AND SHOWN, HEREON, IN ACCORDANCE WITH THE MEMORANDUM OF UNDERSTANDING BETWEEN THIS DEPARTMENT AND THE DEPARTMENT OF ENVIRONMENTAL PROTECTION DATED SEPTEMBER 1, 1986. IF, FOR ANY REASON, FUTURE IMPROVEMENTS TO THE ROADWAY ARE PLANNED THAT WOULD IMPACT ANY OF THE STORMWATER MANAGEMENT FACILITIES INCLUDED HEREIN, THIS DEPARTMENT WILL NOTIFY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION DURING THE PLANNING OR EARLY DESIGN STAGE FOR SUCH IMPROVEMENTS.

DATE

JOSEPH MOGES CHIEF, DIVISION OF TRANSPORTATION ENGINEERING

OWNER'S CERTIFICATION

I HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

DATE

JOSEPH MOGES CHIEF, DIVISION OF TRANSPORTATION ENGINEERING

DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE "2011 MARYLAND" STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL," MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES EXECUTIVE REGULATIONS 5-90, 7-02AM AND 36-90, AND MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION "STORM DRAIN CRITERIA" DATED AUGUST, 1988.

DATE

MICHAEL ROTHENHEBER, P.E. MD. REGISTRATION NO. 18589

CERTIFICATION OF THE QUANTITIES

I HEREBY CERTIFY THAT THE ESTIMATED TOTAL AMOUNT OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO 4,093 CUBIC YARDS OF EXCAVATION, 3,418 CUBIC YARDS OF FILL AND THE TOTAL AREA TO BE DISTURBED AS SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE 406,850 SQUARE FEET OR 9.34 ACRES.

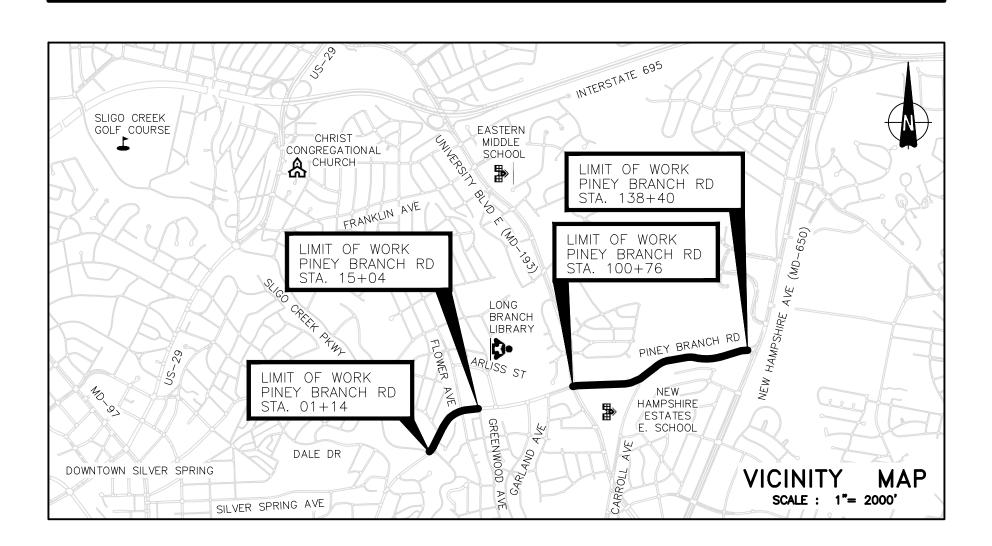
DATE

MICHAEL ROTHENHEBER, P.E. MD. REGISTRATION NO. 18589

SLIGO CREEK PARKWAY TO GREENWOOD AVE UNIVERSITY BLVD TO NEW HAMPSHIRE AVE

C. I. P. PROJECT NO. 502004

35% DESIGN SUBMISSION



PROFESSIONAL CERTIFICATION

I HEREBY 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. LICENSE NO. 18589 EXPIRATION DATE 2/10/2026

DATE

MICHAEL ROTHENHEBER, P.E. MD. REGISTRATION NO. 18589

OWNER/ADDRESS:

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION 100 EDISON PARK DRIVE, 4TH FLOOR GAITHERSBURG, MD 20878

CONTACT: HOANG NGUYEN, PROJECT MANAGER DESIGN SECTION DIVISION OF TRANSPORTATION ENGINEERING 240-777-7243

DRAFT					
	NOT	FOR	CONSTRUCTION		
				_	

|--|--|

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL Chief, Design Section Date APPROVED Chief, Division of Transportation Engineering

Designed by: ADH Drawn by: ADH Checked by: JJR

RELATED REQUIRED PERMITS To be completed by the consultant and placed on the first sheet of the Sediment Control / Stormwater Management plan set for all projects IT IS THE RESPONSIBILITY OF THE PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF THE SEDIMENT CONTROL PERMIT REQD NOT **EXPIRATION** WORK REQD **RESTRICTION DATES** DATE Floodplain District WATERWAYS/WETLAND(S): a. Corps of Engineers X c. MDE Water Quality Certification X MDE Dam Safety MSCD Small Pond Approval X * DPS Roadside Trees **Approval Date** Protection Plan **N.P.D.E.S. X NOTICE OF INTENT FEMA LOMR (Required Post Construction) OTHERS (Please List):

August 2023

*A copy of the approved Roadside Trees Protection Plan must be delivered to the Sediment Control Inspector at the Preconstruction

**When a Notice of Intent is required, the sediment control permit may not be issued until confirmation of authorization under the MDE's 20-CP permit has been submitted to DPS.

FOR SEDIMENT CONTROL APPLICATIONS AS OF APRIL 30, 2024

TREE CANOPY REQUIREMENTS TABLE To be completed by the consultant and placed on the first sheet of the Sediment Control / Stormwater Managemen plan set for all projects. A fee in lieu of planting will be charged for any required canopy trees that are not planted. Exempt: Yes \square No \square If exempt under Section 55-5 of the Code, please check the applicable exemption category below.

Total Property Area	Total Disturbed Area
N/A square feet	<u>17,050</u> square feet
Shade Trees Required	Shade Trees Proposed to be Planted
15	0
<u>-</u>	ng Payment of a Fee in Lieu d – Trees Planted)
15	Trees
Required Numb	er of Shade Trees

Area (sq. of Disturb	ft.) of the Limits pance	Number of Shad Trees Required
FROM	<u>TO</u>	
1	6,000	3
6,001	8,000	6
8,001	12,000	9
12,001	14,000	12
14 001	40 000	15

If the square footage of the limits of disturbance is more than 40,000, then the number of shade trees required must be calculated using the following formula:

(Number of Square Feet in Limits of Disturbance \div 40,000) \times 15

EXEMPTION CATEGORIES CHECK AS APPLICABLE

55-5(a) any activity that is subject to Article II of 55-5(b) any commercial logging or timber harvesting operation with an approved exemption fron Article II of Chapter 22A; 55-5(f) any activity conducted by the County Parks

existing access road, if the person performing the

55-5(h) any stream restoration project if the person performing the work has obtained all 55-5(i) cutting or clearing any tree to comply with applicable provisions of any federal, state, or local law governing safety of dams; 55-5(g) routine or emergency maintenance of an

naintenance has obtained all required permits

OTHER: Specify per Section 55-5 of the Code. existing stormwater management facility, including an

> M-NCPPC PERMIT NO. MR2025022 SHA TRACKING NO. 25APM0025XX WSSC GRID MAPS: 210NE01, 211NE01, 211NE02 TAX MAPS: JN563, JP561, KP121

> > GN-01TITLE SHEET

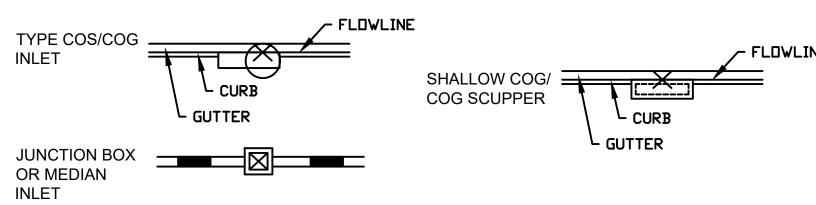
PINEY BRANCH ROAD BIKE LANES

DATE: APRIL 2025 CIP No. : 502004 SHEET ____1 ___ of ___21

		ABBREV	IATIONS		
A.A.S.H.T.O.	American Association of State Highway	LP	Low Point	SSD	Stopping Sight Distance
	Transportation Officials	LT	Left	SSF	Super Silt Fence
APPROX.	Approximate	MAX.	Maximum	STD.	Standard
B or B/L	Baseline	MOD.	Modified	SO.	Single Opening
C.C.	Center of Curve	MIN.	Minimum	S.Y.	Square Yards
C or C/L	Centerline	N	North	SWM	Stormwater Managemer
C.I.P.	Cast Iron Pipe	NB	Northbound	SW	Sidewalk
C.M.P.	Corrugated Metal Pipe	NE	Northeast	T	Tangent
C.O.	Cleanout	N.T.S.	Not To Scale	T	Telephone
COMB.	Combination	O.C.	On Center	T.C.P.	Terra Cotta Pipe
CONC.	Concrete	P.C.	Point of Curvature	TYP.	Typical
CONSTR.	Construction	P.C.C.	Point of Compound Curve	U.P.	Utility Pole
C.P.P. Cor	rugated Polyethylene Pipe	P/C	Point of Grown	VAR.	Varies
D.B.H.	Diameter Breast Height	PGA	Point of Grade Application	V.C.L.	Vertical Curve Length
DC	Degree of Curve	P/GE	Profile Grade Elevation	W	Water
D.H.V.	Design Hour Volume	P.G.E.	Profile Ground Elevation	W	West
D.I.	Drop Inlet	P.G.L.	Profile Grade Line	WB	Westbound
DIA.	Diameter	P/GL	Profile Ground Line		
D.O.	Double Opening	P/R	Point of Rotation		
E	East	P.I.	Point of Intersection		
E	Electric	P.O.C.	Point on Curve		
E	External Distance	P.O.T.	Point on Tangent		
EA.	Each	PROP.	Proposed		
E.B.	Eastbound	PT.	Point		
ELEV.	Elevation	P.T.	Point of Tangency		
E.R.C.C.P.	Elliptical Reinforced Cement Concrete Pipe	P.V.C.	Point of Vertical Curve		
ES	End Section	PVC	Polyvinyl Chloride		
EX. or EXIST.	Existing	PVI	Point of Intersection		
FT	Feet	R	Radius		
F or FL	Flowline	RET. WALL	Retaining Wall		
FWD	Forward	RT	Right		
G	Gas	RW or R/W	Right of Way		
H.D.P.E.	High-Density Polyethylene	R.C.P.	Reinforced Cement Pipe		
H.E.R.C.P.	Horizontal Elliptical Reinforced Concrete Pipe	R.C.C.P.	Reinforced Cement Concrete Pipe		
HP	High Point	S	South		
НМА	Hot Mix Asphalt	SAN.	Sanitary Sewer		
HT	Height	SB	Southbound		
IN	Inch	S.D.	Storm Drain		
INV	Invert	S.E.	Superelevation		
L	Length	SF	Silt Fence		
LANDSC.	Landscaped	S.F.	Square Feet		
L.F.	Linear Feet		·		

LEGEND					
	SIGN	(CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	HEDGE/BUSHES		
■MB	MAIL BOX	× 434.0	SPOT ELEVATION		
■FP	FLAG POLE	II	WOOD FENCE		
∌ ∟∟	LANDSCAPE LIGHTING		WIRE FENCE / CHAIN LINK FENC		
\$	LIGHT POST		STREAM		
Ø	UTILITY POLE		INDEX CONTOUR		
	GUY WIRE ANCHOR	- 43 0	INTERVAL CONTOUR		
-•	GUY POLE	OHW	OVERHEAD WIRES		
Sv ⋈	GAS VALVE	-/////////-	ABANDONED GAS LINE		
W	WATER VALVE	G	EXISTING GAS LINE		
W	WATER METER		PROPERTY LINE		
_©	FIRE HYDRANT		EXISTING RIGHT OF WAY		
S S	SANITARY MANHOLE	— — F— — —	TOE OF FILL		
•	STORM DRAIN MANHOLE	- $ -$	TOP OF CUT		
(0)	DECIDUOUS TREE		GUARDRAIL W-BEAM		
	BEOIDOGG TREE	——— LOD———	LIMIT OF DISTURBANCE		
	CONIFER TREE	———тсе——	TEMPORARY CONSTRUCTION EASEMENT		
(:)	BUSH	RSE	REVERTIBLE SLOPE EASEMENT		
		————PE———	PERPETUAL EASEMENT		

DRAINAGE STRUCTURE STAKEOUT LOCATIONS MANHOLE GRATE OR COMBINATION ROADWAY INLET



DRAFT NOT FOR CONSTRUCTION				MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTA GAITHERSBURG, MARYLAND		RTATION
					RECOMMENDED FOR APPROVAL	
					Chief, Design Section APPROVED	Date
					Chief, Division of Transportation Engineering	Date
	NO	DEVICION	DATE	BY	Designed by: <u>ADH</u> Drawn by: <u>ADH</u>	Checked by:JJR

M-NCPPC PERMIT NO. MR2025022 SHA TRACKING NO. 25APM0025XX WSSC GRID MAPS: 210NE01, 211NE01, 211NE02 TAX MAPS: JN563, JP561, KP121

GN-02
ABBREVIATIONS AND SYMBOLS
PINEY BRANCH ROAD
BIKE LANES

0 30'	60′				
SCALE: 1"=30'			DATE:	APRIL	2025
CIP No. : 502004	<u> </u>	SHEET	2	of _	21

GENERAL NOTES

- 1. THE SPECIFICATIONS FOR THIS CONTRACT WILL BE THOSE OF THE MARYLAND STATE HIGHWAY ADMINISTRATION DATED JULY 2024, ALL ERRATA AND ADDENDA THERETO, THE MARYLAND STATE HIGHWAY ADMINISTRATION BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES, WASHINGTON SUBURBAN SANITARY COMMISSION (W.S.S.C.) STANDARDS, MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION STANDARDS, AND SOIL CONSERVATION SERVICE POND CONSTRUCTION SPECIFICATIONS FOR MARYLAND.
- 2. FOR CONSTRUCTION, ALL HORIZONTAL SHALL BE BASED ON NAD 83/91, NAVD 88 DATUM.
- 3. TYPES OF STORM DRAIN STRUCTURES REFER TO THE "DESIGN STANDARDS" OF MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION, UNLESS OTHERWISE NOTED.
- 4. WHEN THE DROP ON THE MAIN LINE THROUGH A STORM DRAIN STRUCTURE CAN BE ACCOMMODATED BY AN INVERT SLOPE OF 1.5:1 OR FLATTER, A ROUNDED CHANNEL LINED WITH SEWER BRICK ON EDGE SHALL BE BUILT TO THE CROWN OF THE PIPES. WHEN THE INVERT SLOPES WOULD BE GREATER THAN 1.5:1 A SPECIAL INVERT SHALL BE CONSTRUCTED AS NOTED.
- 5. ALL STORM DRAIN PIPE SHALL BE INSTALLED WITH CLASS "C" BEDDING UNLESS OTHERWISE SPECIFIED.
- 6. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO STORM DRAIN STRUCTURES, WHEN NECESSARY. TO MEET EXISTING CONDITIONS, AS APPROVED BY MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION'S PROJECT INSPECTOR.
- 7. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATIONS AND ELEVATIONS OF THE LINES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS, WELL IN ADVANCE OF TRENCHING. IF CLEARANCES ARE LESS THAN SHOWN OR SIX (6) INCHES, WHICHEVER IS LESS, CONTACT MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION'S PROJECT INSPECTOR AND THE APPROPRIATE UTILITY OWNER BEFORE PROCEEDING WITH CONSTRUCTION.
- 8. REPAIRS TO UTILITIES OR PROPERTY DAMAGE AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION MUST BE MADE AT THE CONTRACTOR'S EXPENSE BEFORE PROCEEDING
- 9. CALL "MISS UTILITY" AT 1-800-257-7777 FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING EXCAVATION TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES.
- 10. CLEARING IS TO BE LIMITED TO THE "LIMIT OF GRADING" AS SHOWN ON THE PLANS.
- 11. ALL GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
- 12. DISTURBED AREAS ADJACENT TO ESTABLISHED LAWNS SHALL BE SODDED. OTHER DISTURBED AREAS SHALL BE SEEDED AND MULCHED.
- 13. THE CONTRACTOR SHALL MAINTAIN THE APPROVED ROADSIDE TREE PERMIT FOR ANY MAINTENANCE, TREATMENT, PLANTING, REMOVAL, OR ROOT CUTTING ON TREES WITHIN THE PUBLIC RIGHT OF WAY. PERMIT REQUIREMENTS MAY BE OBTAINED FROM THE DEPARTMENT OF NATURAL RESOURCES, MARYLAND FOREST, PARK AND WILDLIFE SERVICE, TELEPHONE 301-854-6060
- 14. THE LOCATION OF RIGHT-OF-WAY AND EASEMENT LINES SHOWN ON THE PLANS ARE FOR INFORMATION AND GUIDANCE ONLY. NO GUARANTEE IS MADE AS TO THE ACCURACY OF SAID LOCATIONS. PLEASE REFER TO THE APPROPRIATE RIGHT-OF-WAY PLATS.
- 15. ALL UTILITY POLES AND GUY WIRES NOTED FOR RELOCATION SHALL BE PERFORMED BY OTHERS.
- 16. CONTACT THE WASHINGTON SUBURBAN SANITARY COMMISSION SYSTEM MAINTENANCE ENGINEER BEFORE EXCAVATING BENEATH OR IN THE VICINITY OF EXISTING WATER OR SEWER LINES. BACKFILL TO BE DONE UNDER SUPERVISION OF W.S.S.C. CALL 301-699-4420
- 17. THE CONTRACTOR SHALL INSTALL PEDESTRIAN DETECTABLE WARNING SURFACES AT ALL SIDEWALK & PEDESTRIAN CROSSINGS. LOCATIONS AS DIRECTED BY THE ENGINEER. THE WARNING SURFACES SHALL BE IN CONFORMANCE WITH ADA REQUIREMENTS AND THE PROJECT SPECIAL PROVISION.
- 18. THE CONTRACTOR SHALL BE AWARE THAT OVERHEAD UTILITY WIRES EXIST WITHIN THE PROJECT SITE. LOCATIONS OF WIRES SHOULD BE NOTED IN FIELD WITH SIGNAGE TO AVOID CONFLICTS DURING CONSTRUCTION.
- 19. THE CONTRACTOR SHALL HAND DIG AND LOCATE THE EXISTING AQUEDUCT PRIOR TO EXCAVATION FOR STORM CULVERTS, GUARD RAIL POSTS, HANDRAIL POSTS, ECT.

THE FOLLOWING MARYLAND STATE HIGHWAY DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION STANDARDS (CONSTRUCTION AND TEMPORARY TRAFFIC CONTROL) ARE REQUIRED FOR THIS PROJECT:

MD-580.02 - NEW OR REPLACEMENT CONCRETE BUS PADS MD-580.03 - NEW COMBINATION CURB AND GUTTER PLACEMENT ALONG EXISTING PAVEMENT

MD-620.02 - STANDARD TYPE A COMBINATION CONCRETE CURB & GUTTER MD-645.01 - MONOLITHIC CONCRETE MEDIAN TYPE A-3 MD-655.12 - SIDEWALK RAMPS PARALLEL MD-655.21 - CUT-THROUGH MEDIAN AND ISLAND OPENINGS MD-655.40 - DETECTABLE WARNING SURFACES

FOR ALL SHA STANDARDS REFERRED TO ON THE PLANS, THE CONTRACTOR MUST GO TO THE BOOK OF STANDARDS WHICH WILL HAVE THE MOST CURRENT VERSION. THE BOOK OF STANDARDS CAN BE ACCESSED AT: http://apps.roads.maryland.gov/businesswithsha/bizStdsSpecs/ desManualStdPub/publicationsonline/ohd/bookstd/index.asp

ALL ITEMS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE CURRENT VERSION OF THE REFERENCED STANDARD AT THE TIME OF CONSTRUCTION.

EARTHWORK SUMMARY

CLASS I EXCAVATION

CUT (FROM CROSS SECTIONS) 0,000 CY PAVEMENT REMOVAL CY CY TOPSOIL UNDER FILL ROOT MAT UNDER FILL CY 0 CY PLUS CUT (FROM SWM AREA) TOTAL CLASS I EXCAVATION 0,000 CY

0,000 CY

PROPOSAL QUANTITY

CLASS IA EXCAVATION (ESTIMATED)

MUCK REMOVAL (IF ANY)	0	CY	
UNDERCUTTING	0	CY	
TOTAL CLASS IA EXCAVATION	0	CY	0 CY

CLASS 2 EXCAVATION

CUT (FROM CROSS SECTIONS)	0	CY
TOTAL CLASS 2 EXCAVATION	0	CY

0 CY

EXCAVATION AVAILABLE FOR EMBANKMENT

TOTAL CLASS EXCAVATION + CLASS 2 EXCAVATION	0,000	CY
MINUS:		
TOPSOIL (REMOVED IN CUT)	0	CY
TOPSOIL (REMOVED UNDER FILL)	Ο	CY
ROOT MAT (REMOVED IN CUT)	Ο	CY
ROOT MAT (REMOVED IN FILL)	0	CY
CUT ADJUSTED	0,000	CY
CUT DENSIFIED (x 0.83)	0,000	CY
TOTAL EXCAVATION AVAILABLE FOR EMBANKMENT	0,000	CY

EMBANKMENT REQUIRED

FILL (FROM CROSS SECTIONS)	0,000	CY
REFILL FOR TOPSOIL UNDER FILL	Ο	CY
REFILL FOR ROOT MAT UNDER FILL	0	CY
FILL (FROM SWM AREA)	0	CY
TOTAL	0,000	CY
MINUS EXCAVATION AVAILABLE FOR EMBANKMENT	(0,000)	CY
ADJUSTED TOTAL	(0,000)	CY
PLUS DENSIFICATION FACTOR (x 1.20)	(0,000)	CY
MINUS SELECT BORROW	Ο	CY
COMMON BORROW	0	CY
SELECT BORROW	0	CY

Designed by: ADH Drawn by: ADH Checked by: JJR

0 CY 0 CY

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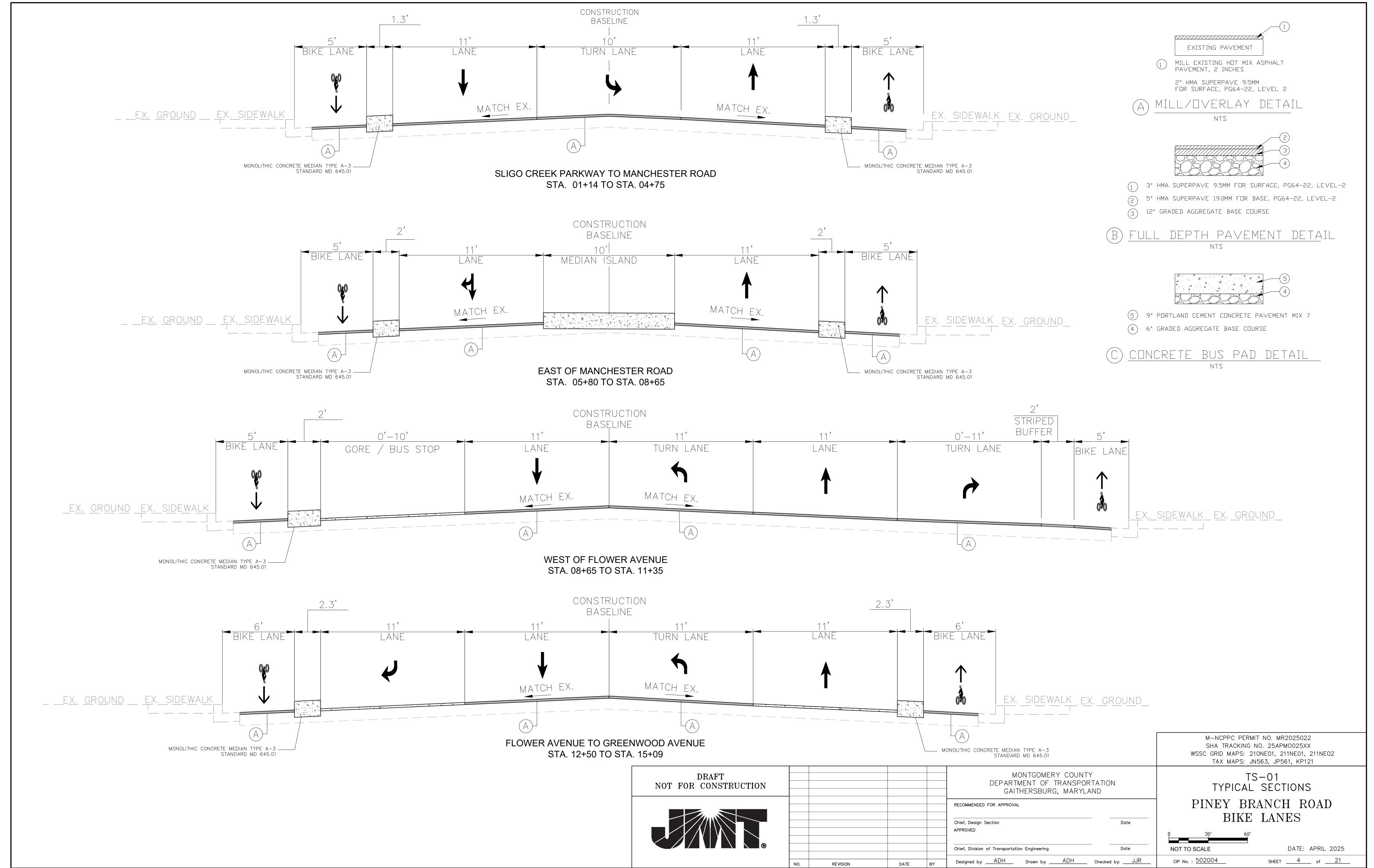
MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND RECOMMENDED FOR APPROVAL Chief, Design Section APPROVED Chief, Division of Transportation Engineering

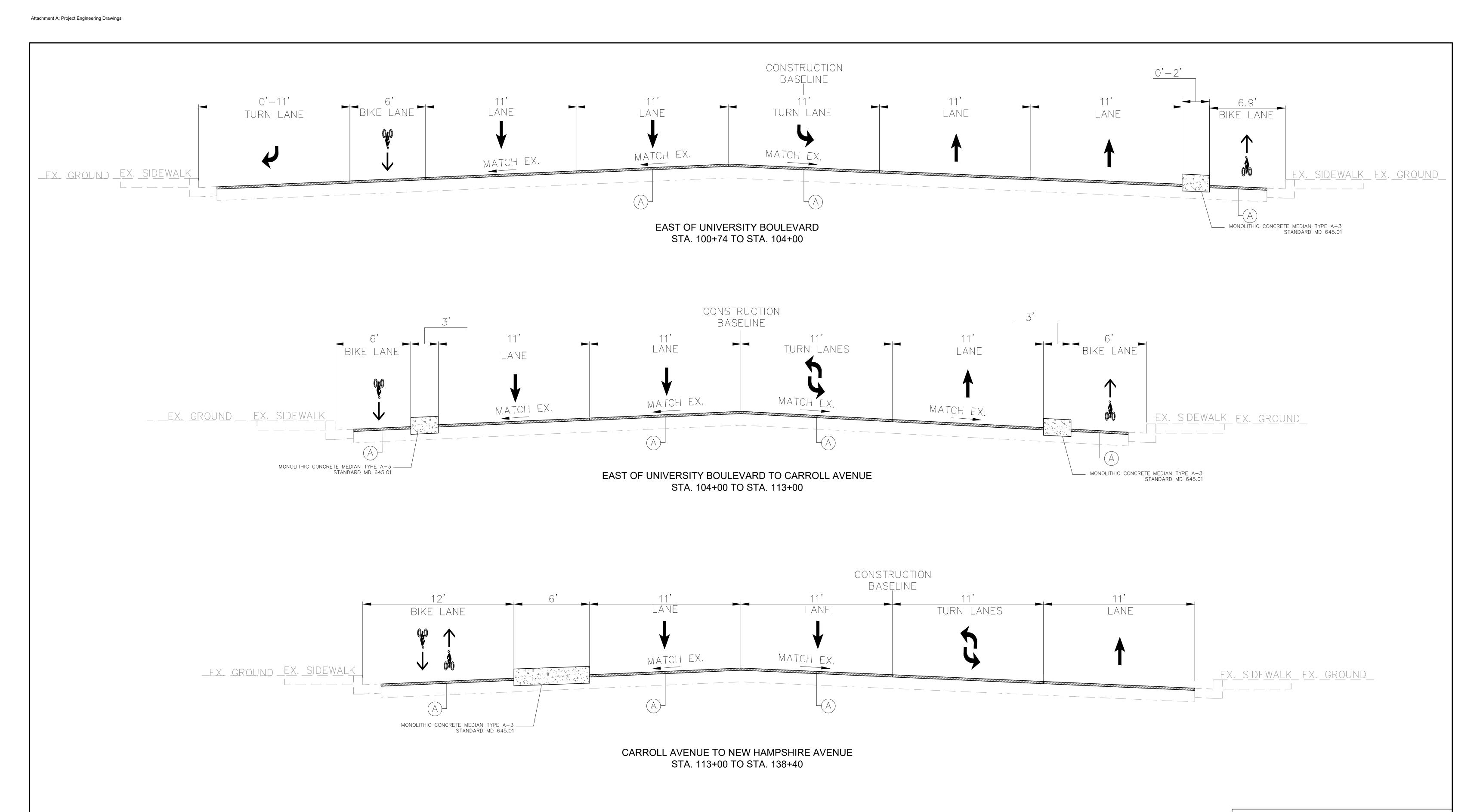
M-NCPPC PERMIT NO. MR2025022 SHA TRACKING NO. 25APM0025XX WSSC GRID MAPS: 210NE01, 211NE01, 211NE02 TAX MAPS: JN563, JP561, KP121

GN-03GENERAL NOTES PINEY BRANCH ROAD BIKE LANES

SCALE: 1"=30'

DATE: APRIL 2025 CIP No. : 502004 SHEET _____3 ___ of ____21





DRAFT
NOT FOR CONSTRUCTION

RECOMMENDED FOR APPROVAL

Chief, Design Section
APPROVED

Chief, Division of Transportation Engineering

Date

NO. REVISION

DATE

BY

Designed by: ADH Drawn by: ADH Checked by: JJR

Construction

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

Once of Transportation Engineering

Date

NO. REVISION

DATE

DESIGNED BY

Designed by: ADH Drawn by: ADH Checked by: JJR

Construction

Date

NO. REVISION

DATE

DESIGNED BY

Designed by: ADH Drawn by: ADH Checked by: JJR

Construction

Once of Transportation

NO. REVISION

DATE

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Once of Transportation

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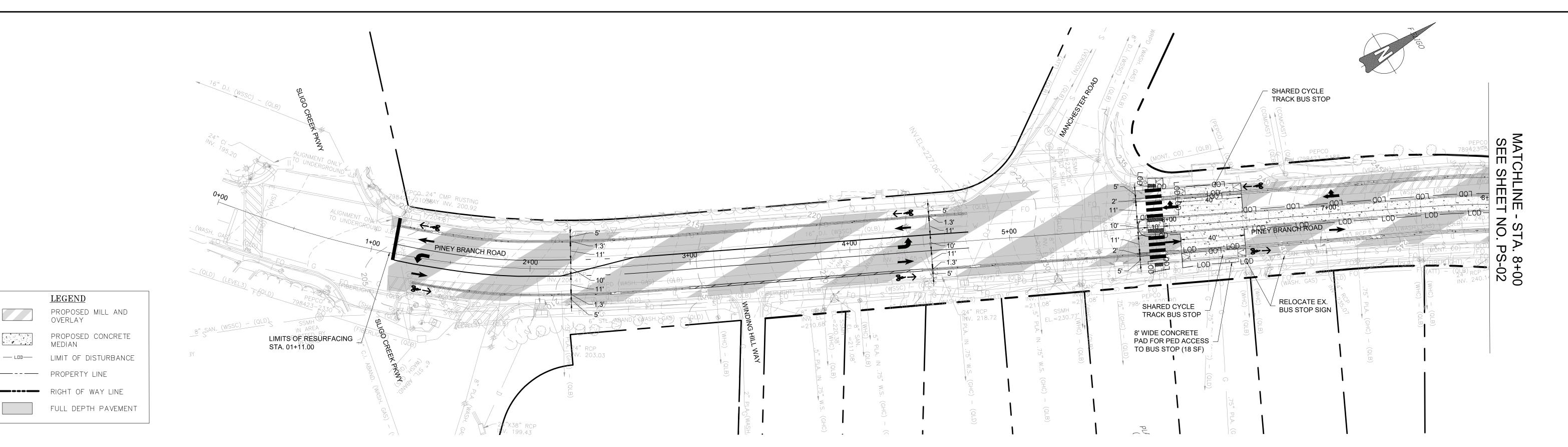
TS-02
TYPICAL SECTIONS
PINEY BRANCH ROAD
BIKE LANES

NOT TO SCALE

DATE: APRIL 2025

CIP No. : 502004

SHEET 6 of 21



MILL	. AND OVEF	RLAY
QUANTITY	FROM	то
27,165 SF	01+14	08+00

<u>LEGEND</u>

---- PROPERTY LINE

DETECTABLE WARNING SURFACE MD-655.40			
QUANTITY	STATION	WIDTH	
10 SF	05+91 LT	5.0'	
20 SF	05+91 LT	10.0'	
20 SF	05+91 RT	10.0'	
10 SF	05+91 RT	5.0'	

CONCRETE SIDEWALK			
QUANTITY	STATION	ТО	
74 SF	05+82 LT	05+97 LT	
38 SF	05+86 RT	05+96 RT	
2,176 SF	05+80	08+00	
18 SF	06+33 RT	06+41 RT	

CURB AND GUTTER MD-620.02		
QUANTITY	STATION	ТО
15 LF	05+82 LT	05+97 LT
10 LF	05+86 RT	05+96 RT
440 LF	05+80	08+00

SHARED CYCLE TRACK BUS STOP		
QUANTITY	FROM	то
720 SF	06+05 LT	06+45 LT
720 SF	07+28 RT	07+68 RT

MONOLITHIC CONCRETE MEDIAN MD-645.01		
QUANTITY FROM TO		
359 LF	01+15 LT	04+74 LT
171 LF	01+28 RT	02+99 RT
142 LF	04+44 RT	05+86 RT
204 LF	05+96 LT	08+00 LT
204 LF	05+96 RT	08+00 RT

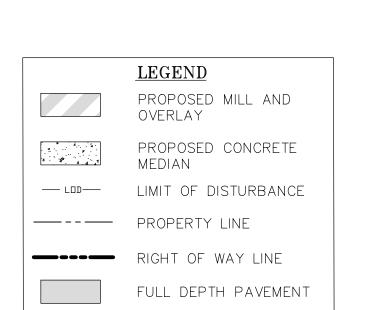
MONTGOMERY COUNTY DRAFT NOT FOR CONSTRUCTION DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND RECOMMENDED FOR APPROVAL Chief, Design Section APPROVED Chief, Division of Transportation Engineering Designed by: <u>ADH</u> Drawn by: <u>TMB</u> Checked by: <u>JJR</u>

M-NCPPC PERMIT NO. MR2025022 SHA TRACKING NO. 25APMO025XX WSSC GRID MAPS: 210NE01, 211NE01, 211NE02 TAX MAPS: JN563, JP561, KP121

PS-01 ROADWAY PLAN PINEY BRANCH ROAD BIKE LANES

0	30′	60′				
SCALE	: 1"=30'			DATE:	APRIL	2025
CIP No	o. : <u>502004</u>		SHEET	8	of _	21

1. DESIGN GUIDANCE FOR SHARED CYCLE TRACK BUS STOPS REFERENCES MDOT MTA BUS STOP DESIGN GUIDE 2019 EDITION, SECTION 2.7.



MILL AND OVERLAY		
QUANTITY	FROM	ТО
17,158 SF	08+00	11+45
13,520 SF	12+50	15+09

SHARED CYCLE TRACK BUS STOP		
QUANTITY	FROM	то
677 SF	10+46 LT	10+96 LT
773 SF	13+45 RT	13+85 RT
773 SF	13+87 LT	14+27 LT

MONOLITHIC CONCRETE MEDIAN MD-645.01			
QUANTITY	FROM	ТО	
108 LF	08+00 LT	09+08 LT	
7 LF	08+00 RT	08+07 RT	
166 LF	8+17 RT	9+83 RT	
149 LF	9+43 LT	10+92 LT	
232 LF	12+72 RT	15+04 RT	
233 LF	12+71 LT	15+04 LT	

CONC	CRETE SIDE	WALK
QUANTITY	STATION	ТО
637 SF	08+00	08+65

CURB AND GUTTER MD-620.02				
QUANTITY STATION TO				
130 LF	08+00	08+65		
130 LF 08+00 08+65				

WHITE OF EACH A RICE

STATE OF THE STATE OF

DRAFT
NOT FOR CONSTRUCTION

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section
APPROVED

Chief, Division of Transportation Engineering

Date

Date

Date

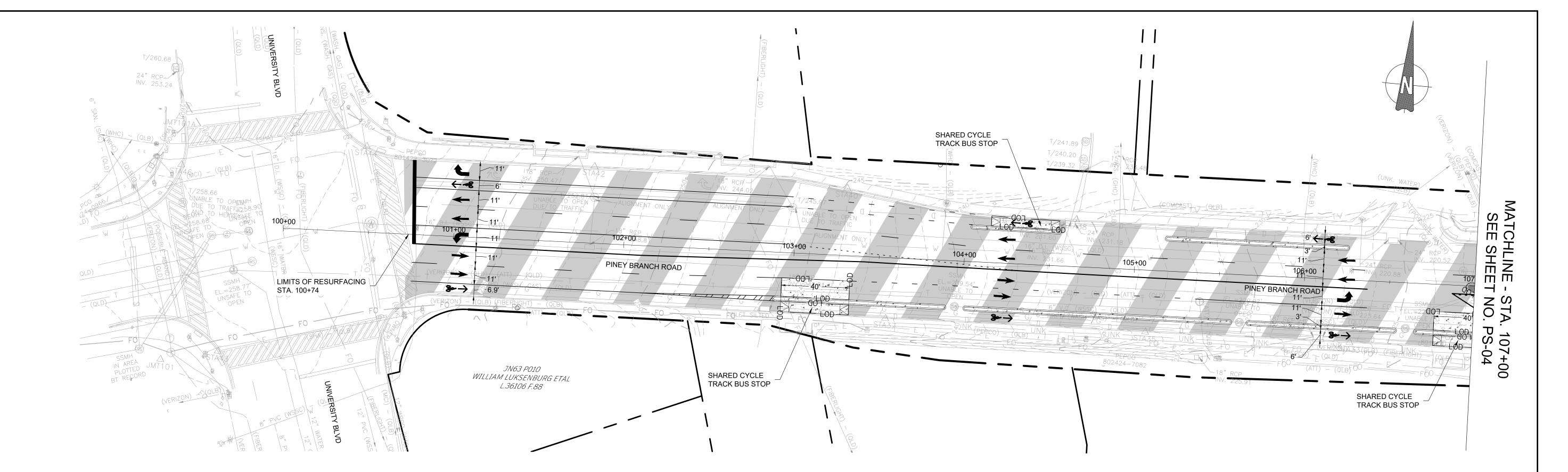
Designed by: ADH Drawn by: TMB Checked by: JJR

M-NCPPC PERMIT NO. MR2025022
SHA TRACKING NO. 25APM0025XX
WSSC GRID MAPS: 210NE01, 211NE01, 211NE02
TAX MAPS: JN563, JP561, KP121

PS-02 ROADWAY PLAN PINEY BRANCH ROAD BIKE LANES

0 30′	60′				
SCALE: 1"=30'			DATE:	APRIL	2025
CIP No. : 502004	_	SHEET	9	of _	21

NOTES:
1. DESIGN GUIDANCE FOR SHARED CYCLE TRACK BUS STOPS REFERENCES MDOT MTA BUS STOP DESIGN GUIDE 2019 EDITION, SECTION 2.7.
2. INTERSECTION DESIGN AT FLOWER AVENUE IS INCLUDED AS PART OF A SEPARATE PROJECT.



	FULL DEPTH	PAVEMENT	
MILL AND OVERLAY			
QUANTITY	FROM	ТО	

41,783 SF 100+21 107+00

<u>LEGEND</u>

— LOD— LIMIT OF DISTURBANCE

RIGHT OF WAY LINE

PROPOSED MILL AND OVERLAY

PROPOSED CONCRETE MEDIAN

SHARED CYCLE TRACK BUS STOP		
QUANTITY	FROM	ТО
800 SF	102+94 RT	103+44 RT
200 SF	104+15 LT	104+55 LT
462 SF	106+78 RT	107+00 RT

MONOLITHIC CONCRETE MEDIAN			
	MD-645.01		
QUANTITY	FROM	ТО	
101 LF	102+89 RT	103+90 RT	
158 LF	104+00 RT	105+58 RT	
53 LF	104+03 LT	104+56 LT	
108 LF	105+17 LT	106+25 LT	
88 LF	105+67 RT	106+55 RT	
35 LF	106+65 RT	107+00 RT	

FULL	DEPTH PAV	EMENT
QUANTITY	FROM	ТО
15 SF	106+96	107+00

EXISTING ISLAND TO BE REMOVED			
QUANTITY	FROM	ТО	
15 SF	106+96	107+00	

DRAFT NOT FOR CONSTRUCTION

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND RECOMMENDED FOR APPROVAL Chief, Design Section APPROVED Chief, Division of Transportation Engineering Designed by: <u>ADH</u> Drawn by: <u>TMB</u> Checked by: <u>JJR</u>

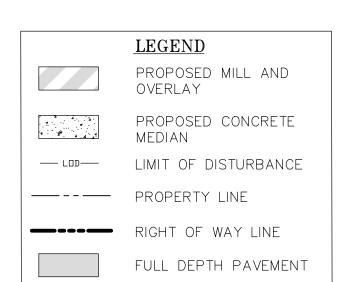
M-NCPPC PERMIT NO. MR2025022 SHA TRACKING NO. 25APMO025XX WSSC GRID MAPS: 210NE01, 211NE01, 211NE02 TAX MAPS: JN563, JP561, KP121

PS-03 ROADWAY PLAN PINEY BRANCH ROAD BIKE LANES

DATE: APRIL 2025 SCALE: 1"=30' SHEET ____10____of ___21___ CIP No. : 502004

1. DESIGN GUIDANCE FOR SHARED CYCLE TRACK BUS STOPS REFERENCES MDOT MTA BUS STOP DESIGN GUIDE 2019 EDITION, SECTION 2.7.

2. UNIVERSITY BLVD INTERSECTION IS INCLUDED AS PART OF THE PURPLE LINE PROJECT.



MILL AND OVERLAY		
QUANTITY	FROM	ТО
46,689 SF	107+00	114+50

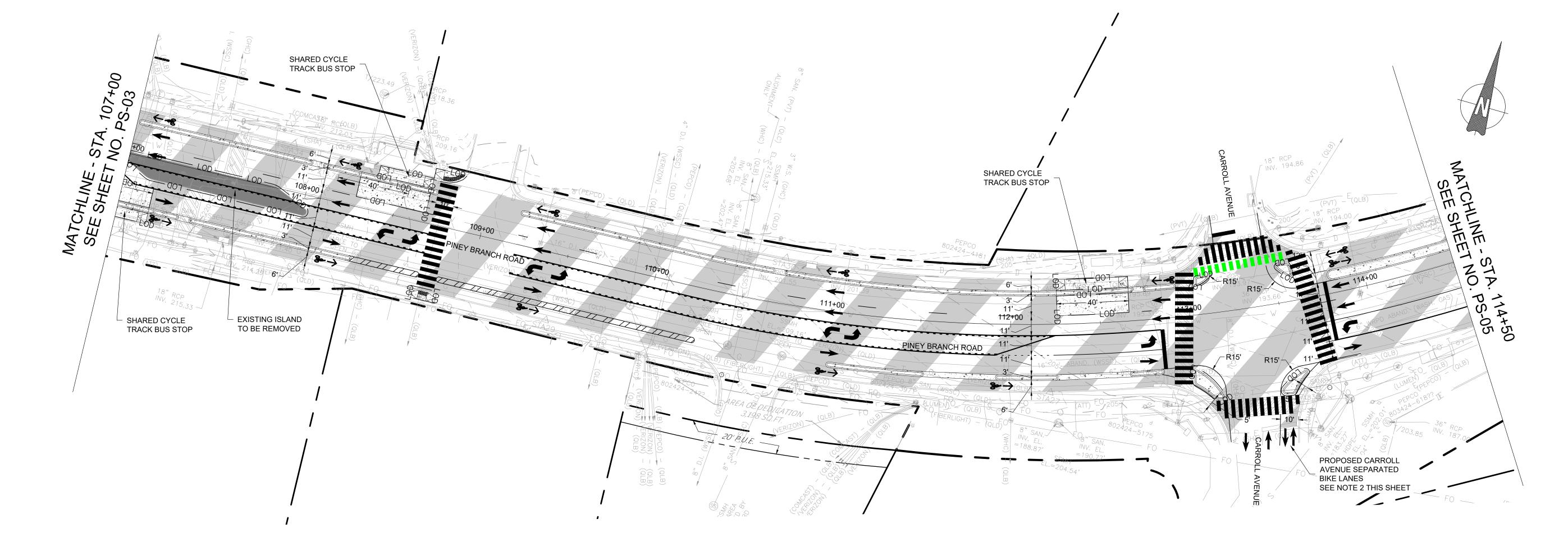
	E WARNING MD-655.40	
QUANTITY	STATION	WIDTH
22 SF	108+75 LT	11.0'
10 SF	108+75 RT	5.0'

CONCRETE SIDEWALK		
QUANTITY	STATION	ТО
72 SF	108+71 LT	108+83 L
84 SF	108+68 RT	108+85 R

MONOLITHIC CONCRETE MEDIAN MD-645.01			
QUANTITY	FROM	то	
171 LF	107+00 LT	108+71 LT	
133 LF	107+00 RT	108+33 RT	
375 LF	109+19 LT	112+94 LT	
183 LF	111+00 RT	112+83 RT	
71 LF	113+79 LT	114+50 LT	

=	NUE NDS	
QUANTITY	STATION	ТО
23 SF	113+03 LT	113+12 LT
118 SF	113+03 RT	113+14 RT
37 SF	113+46 LT	113+60 LT
74 SF	113+48 RT	113+63 RT

CURB AND GUTTER MD-620.02				
QUANTITY	STATION	то		
20 LF	113+03 LT	113+12 LT		
50 LF	113+03 RT	113+14 RT		
25 LF	113+46 LT	113+60 LT		
40 LF	113+48 RT	113+63 RT		



SHARED CYCLE TRACK BUS STOP			
QUANTITY	FROM	то	
340 SF	107+00 RT	107+17 RT	
720 SF	108+16 LT	108+56 LT	
800 SF	112+23 LT	112+63 LT	

FULL DEPTH PAVEMENT			
QUANTITY	FROM	ТО	
1,100 SF	107+00	108+03	

EXISTING ISLAND TO BE REMOVED			
QUANTITY FROM		ТО	
1,100 SF	107+00	108+03	

CURB AND GUTTER MD-620.02			
QUANTITY	STATION TO		
20 LF	113+03 LT	113+12 LT	
50 LF	113+03 RT	113+14 RT	
25 LF	113+46 LT	113+60 LT	
40 LF	113+48 RT	113+63 RT	

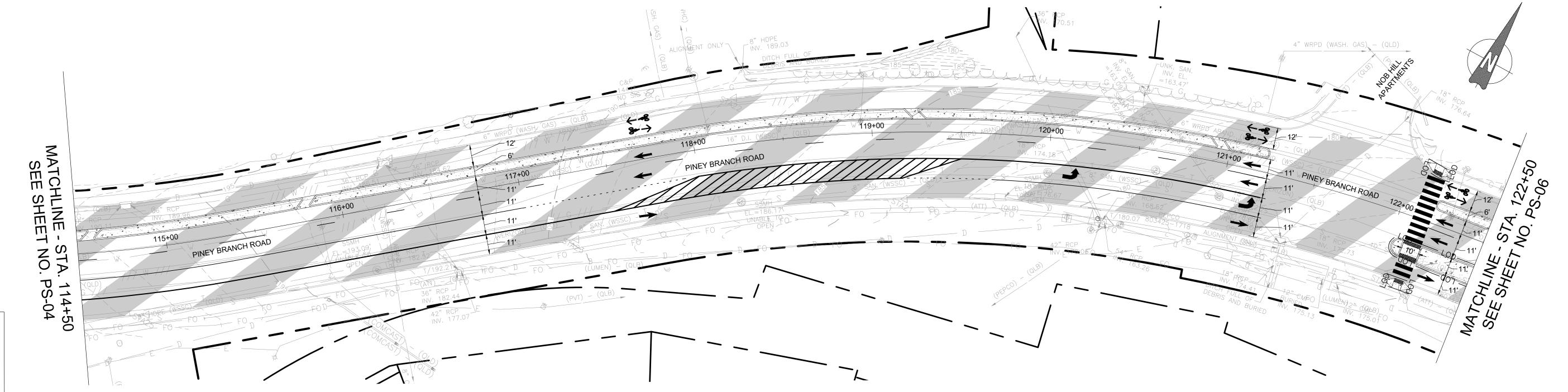
1. DESIGN GUIDANCE FOR SHARED CYCLE TRACK BUS STOPS REFERENCES MDOT MTA BUS STOP DESIGN GUIDE 2019 EDITION, SECTION 2.7. 2. CYCLE TRACK DESIGN ON CARROLL AVENUE IS INCLUDED AS PART OF A SEPARATE PROJECT.

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© Control of the cont					RECOMMENDED FOR APPROVAL Chief, Design Section APPROVED Chief, Division of Transportation Engineering	Date Date	o SC
	NO.	REVISION	DATE	BY	Designed by: <u>ADH</u> Drawn by: <u>TMB</u>	Checked by:JJR	С

M-NCPPC PERMIT NO. MR2025022 SHA TRACKING NO. 25APMO025XX WSSC GRID MAPS: 210NE01, 211NE01, 211NE02 TAX MAPS: JN563, JP561, KP121

PS-04 ROADWAY PLAN PINEY BRANCH ROAD BIKE LANES

0	30′	60′					
SCALE:	1"=30'			DATE:	APRIL	2025	
CIP No.	: 502004		SHEET	11	of	21	



	PROPOSED CONCRETE MEDIAN
— LOD—	LIMIT OF DISTURBANCE
	PROPERTY LINE
	RIGHT OF WAY LINE
	FULL DEPTH PAVEMENT

<u>LEGEND</u>

PROPOSED MILL AND OVERLAY

MILL AND OVERLAY				
QUANTITY	FROM	ТО		
49,282 SF	114+50	122+50		

DETECTABLE WARNING SURFACE MD-655.40			
QUANTITY	STATION	WIDTH	
10 SF	122+15 LT	5.0'	
20 SF	122+15 RT	10.0'	
20 SF	122+15 RT	10.0'	
10 SF	122+15 RT	5.0'	

CONCRETE SIDEWALK				
QUANTITY	STATION	ТО		
500 SF	122+00 RT	122+50 RT		
80 SF	122+00 RT	122+23 RT		
83 SF	122+05 LT	122+22 LT		

CURB AND GUTTER MD-620.02				
QUANTITY	STATION	ТО		
100 LF	122+00 RT	122+50 RT		
15 LF	122+00 RT	122+23 RT		
20 LF	122+05 LT	122+22 LT		

MONOLITHIC CONCRETE MEDIAN MD-645.01			
QUANTITY	FROM	ТО	
672 LF	114+50 LT	121+22 LT	
32 LF	122+18 LT	122+50 LT	

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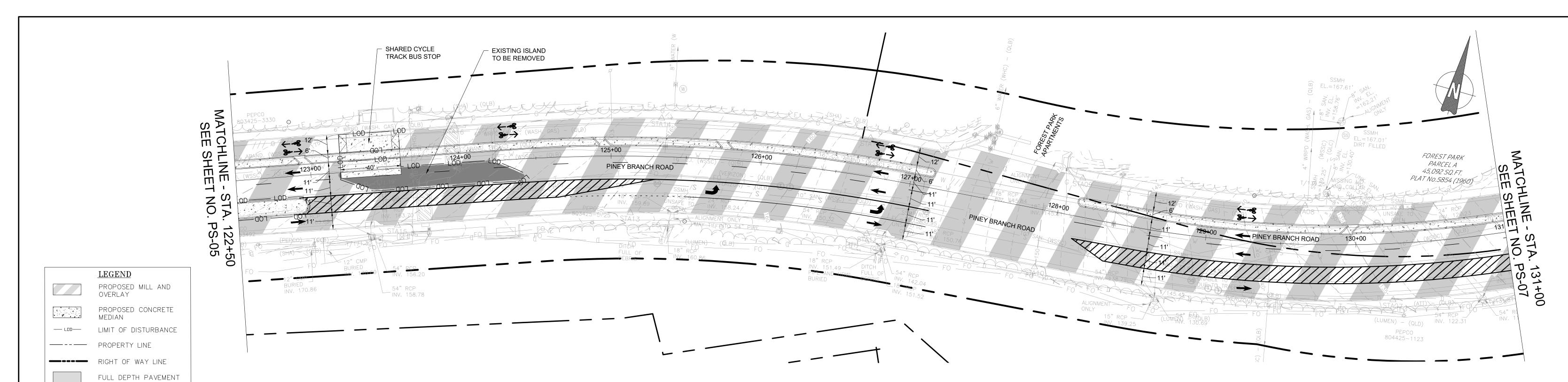
M-NCPPC PERMIT NO. MR2025022 SHA TRACKING NO. 25APMO025XX WSSC GRID MAPS: 210NE01, 211NE01, 211NE02 TAX MAPS: JN563, JP561, KP121

PS-05 ROADWAY PLAN PINEY BRANCH ROAD BIKE LANES

0	30′	60′	
SCALE:	"=30'		

Designed by: <u>ADH</u> Drawn by: <u>TMB</u> Checked by: <u>JJR</u>

DATE: APRIL 2025 SHEET <u>12</u> of <u>21</u> CIP No. : 502004



MILL	AND OVER	RLAY
QUANTITY	FROM	ТО
49,896 SF	122+50	131+00

SHARED CYCLE TRACK BUS STOP			
QUANTITY FROM TO			
1,164 SF	123+20 LT	123+60 LT	

MONOLITHIC CONCRETE MEDIAN MD-645.01			
QUANTITY	FROM	ТО	
465 LF	122+50 LT	127+15 LT	
288 LF	128+12 LT	131+00 LT	

EXISTING ISLAND TO BE REMOVED			
QUANTITY	FROM	ТО	
1,400 SF	123+18	124+42	

CONCRETE SIDEWALK		
QUANTITY	STATION	ТО
500 SF	122+50 RT	123+00 RT

FULL DEPTH PAVEMENT			
QUANTITY FROM TO			
1,231 SF	,231 SF 123+18 124+42		

CURB AND GUTTER MD 620.02			
QUANTITY STATION TO			
100 LF	122+50 RT	123+00 RT	

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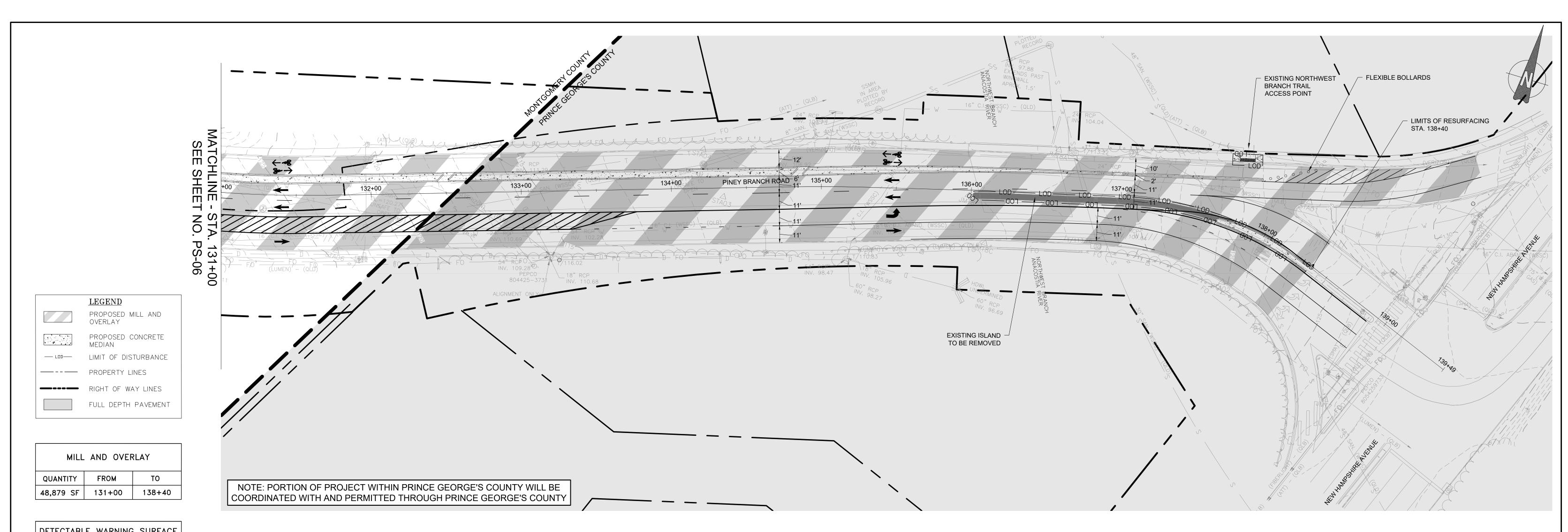
M-NCPPC PERMIT NO. MR2025022 SHA TRACKING NO. 25APMO025XX WSSC GRID MAPS: 210NE01, 211NE01, 211NE02 TAX MAPS: JN563, JP561, KP121

PS-06 ROADWAY PLAN PINEY BRANCH ROAD BIKE LANES

	500004			
SCALE:	1"=30'			DA
0	30′	60)′	

ATE: APRIL 2025 SHEET ____13____ of ____21___ CIP No. : 502004

1. DESIGN GUIDANCE FOR SHARED CYCLE TRACK BUS STOPS REFERENCES MDOT MTA BUS STOP DESIGN GUIDE 2019 EDITION, SECTION 2.7.



MD-655.40			
QUANTITY	STATION	WIDTH	
20 SF	137+70 LT	10.0'	

CONCRETE SIDEWALK			
QUANTITY	STATION	ТО	
100 SF	137+64 LT	137+80 LT	

EXISTING ISLAND TO BE REMOVED				
QUANTITY	FROM TO			
675 SF	136+00 RT	137+75 RT		

CURB AND GUTTER MD 620.02				
QUANTITY	STATION	то		
20 LF	137+64 LT	137+80 LT		

FULL DEPTH PAVEMENT					
	QUANTITY	FROM		ТО	
	675 SF	136+00	RT	137+75	RT

MONOLITHIC CONCRETE MEDIAN MD-645.01				
QUANTITY	FROM	то		
680 LF	131+00 LT	137+80 LT		
70 LF	136+43 RT	138+40 RT		

NOLITHIC CONCRETE MEDIAN MD-645.01			
JANTITY	FROM	ТО	

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Chief, Division of Transportation Engineering

Designed by: <u>ADH</u> Drawn by: <u>TMB</u> Checked by: <u>JJR</u>

M-NCPPC PERMIT NO. MR2025022 SHA TRACKING NO. 25APMO025XX WSSC GRID MAPS: 210NE01, 211NE01, 211NE02 TAX MAPS: JN563, JP561, KP121

PS-07 ROADWAY PLAN PINEY BRANCH ROAD BIKE LANES

0	30′	60′
SCALE:	1"=30'	

SCALE: 1"=30"		DATE:	APRIL	2025
CIP No. : 502004	SHEET	14	of _	21

1. COORDINATION WILL BE REQUIRED WITH MDOT SHA PSAP PROJECT AT MD 650 INTERSECTION. 2. COORDINATION WILL BE REQUIRED WITH PRINCE GEORGE'S COUNTY FOR PORTIONS OF PROJECT BEYOND MONTGOMERY COUNTY LINE.