

THE FOLLOWING MARYLAND STANDARD (CONSTRUCTION AND TEMPORARY TRAFFIC CONTROL) DETAILS ARE REQUIRED FOR THE PROJECT:

- MD 104.03-02 – SHOULDER WORK/MULTILANE UNDIV. EQUAL/LESS THAN 40 MPH
- MD 104.05-15 – STANDARD RAMP
- MD 381.01 – STANDARD YARD INLET
- MD 580.03 – NEW COMBINATION CURB AND GUTTER PLACEMENT ALONG EXISTING PAVEMENT
- MD 620.02-01 – STANDARD TYPES C AND D CONCRETE CURB AND COMBINATION CONCRETE CURB & GUTTER
- MD 630.02 – STANDARD ENTRANCE CONSTRUCTION RESIDENTIAL AND COMMERCIAL, METHOD NO. 2
- MD 655.40 – DETECTABLE WARNING SURFACES

FOR ALL 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: <https://apps.roads.maryland.gov/BusinessWithSHA/bizStdSpecs/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.

MONTGOMERY COUNTY, MARYLAND DEPARTMENT OF TRANSPORTATION

WHITE FLINT METRO STATION ACCESS IMPROVEMENTS

PHASE 1 – SIDEWALK RECONSTRUCTION C. I. P. PROJECT NO. 502106 SHA TRACKING NO. 21-AP-MO-003-21

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27	XS-05	ROADWAY CROSS SECTIONS
28	XS-06	ROADWAY CROSS SECTIONS

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.

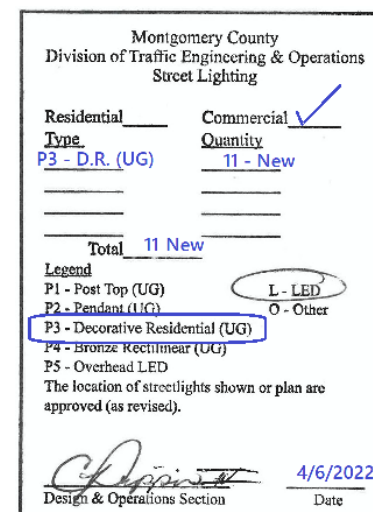
DATE: _____
TIMOTHY H. CUPPLES, P.E.
CHIEF, DIVISION OF
TRANSPORTATION ENGINEERING

DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS 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 TRANSPORTATION "STORM DRAIN DESIGN CRITERIA" DATED AUGUST 1988.

I FURTHER CERTIFY THAT THE ESTIMATED TOTAL AMOUNTS OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO BE 342 CUBIC YARDS OF EXCAVATION AND 200 CUBIC YARDS OF FILL AND THAT THE TOTAL AREA TO BE DISTURBED AS SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE 17,947 SQUARE FEET.

DATE: 2021-09-22
LORI R. ADGATE, P.E.
MD. REGISTRATION NO. 28255



ALL AREAS OF SHA PROPERTY AND PROPERTY TO BE DEDICATED TO SHA SHALL BE RESTORED IN CONFORMANCE WITH SHA STANDARD SPECIFICATIONS, EXCEPT AS NECESSARY FOR WORK FOR WHICH THERE ARE NO SHA STANDARD SPECIFICATIONS.

PRIOR TO VEGETATIVE STABILIZATION, ALL DISTURBED AREAS MUST BE TOPSOILED PER THE MONTGOMERY COUNTY "STANDARDS AND SPECIFICATIONS FOR TOPSOIL".

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.: 28255 EXPIRATION DATE: 6-30-2022

PROJECT MANAGER
REBECCA PARK
100 Edison Park Drive, 4th Floor
Gaithersburg, MD 20878
240-777-7263
rebecca.park@montgomerycountymd.gov



NO.	REVISION	DATE	BY

APPROVED
Mar 18 2022
District 3
Access Management

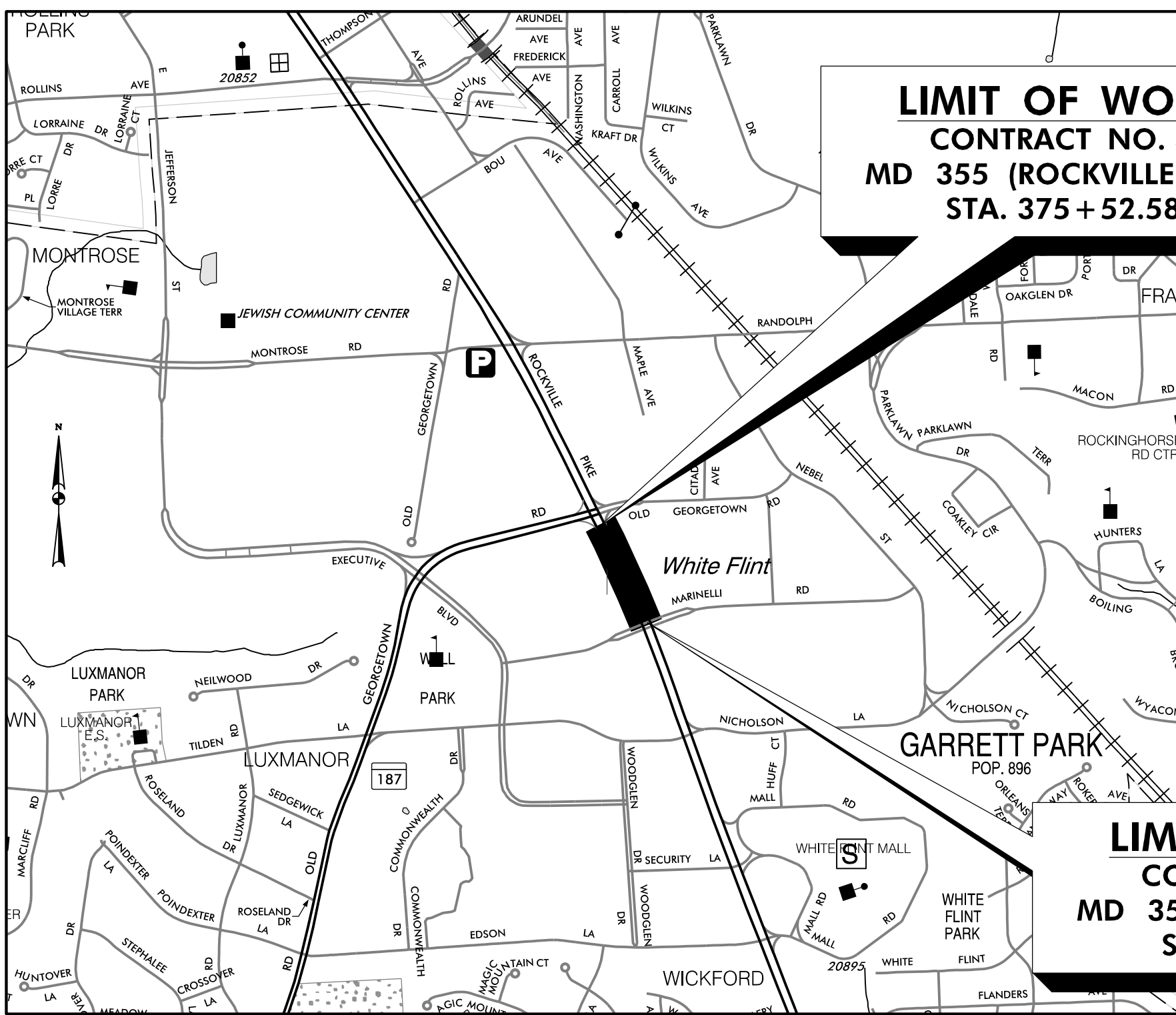
APPROVALS:		
TRAFFIC CONTROL PLANS	SIGNATURE	DATE
LIGHTING PLANS	<i>Cedric Ward</i> SIGNATURE	3/15/2022 DATE
SIGNING & PAVEMENT MARKING PLANS	<i>Cedric Ward</i> SIGNATURE	3/15/2022 DATE
TRAFFIC SIGNAL PLANS	SIGNATURE	DATE

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION DIVISION OF TRANSPORTATION ENGINEERING GAITHERSBURG, MARYLAND	
RECOMMENDED FOR APPROVAL	
Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date
Designed by: _____	Drawn by: _____
Checked by: _____	

WHITE FLINT METRO STATION ACCESS IMPROVEMENTS	
TITLE SHEET	
SCALE : N.T.S.	DATE : SEPT 2021
Project No. : 502106	SHEET 01 of 28



RELATED REQUIRED PERMITS					
IT IS THE RESPONSIBILITY OF PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF THE APPROVED SEDIMENT CONTROL PERMIT					
TYPE OF PERMIT	REQD	NOT REQD	PERMIT #	EXPIRATION DATE	WORK RESTRICTION DATES
MDPS Floodplain District		X			
WATERWAYS/WETLAND(S)					
a. Corps of Engineers		X			
b. MDE		X			
c. MDE Water Quality Certification		X			
MDE Dam Safety		X			
* DPS Roadside Trees Protection Plan		X		Approval Date	
N.P.D.E.S. NOTICE OF INTENT		X	REGISTRATION NO. XXXXXXX		DATE FILED XX/XX/XXXX
FEMA LOMR (Required Post Construction)		X			
OTHERS:					
DPS Erosion and Sediment Control		X	XXXXXX		
MNCPPC Permit		X	XXXXXX		
* A copy of the Roadside Trees Protection Plan must be delivered to the sediment control inspector at the preconstruction meeting.					
OWNER/PERMIT APPLICANT INFORMATION					
NAME:	MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION				
ADDRESS:	100 EDISON PARK DRIVE, GAITHERSBURG, MD 20878				
PHONE NUMBER:	(240) 777-7209				
CONTACT PERSON:	TIMOTHY H. CUPPLES, P.E.				



VICINITY MAP
SCALE: 1" = 1000'

9/22/2021 LA:2026213204\700 CADD\701 Sheet\Phase 1\DCN-TOOL-WFMetro.dgn

GENERAL NOTES

- THE SPECIFICATIONS FOR THIS CONTRACT WILL BE THOSE OF THE MARYLAND STATE HIGHWAY ADMINISTRATION DATED JULY 2020, ALL ERATA AND ADDENDA THERETO, THE MARYLAND STATE HIGHWAY ADMINISTRATION BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES, AND SOIL CONSERVATION SERVICE POND CONSTRUCTION SPECIFICATIONS FOR MARYLAND.
- FOR CONSTRUCTION, HORIZONTAL SHALL BE BASED ON NAD 83/91 DATUM AND VERTICAL SHALL BE BASED ON NAVD 1988 DATUM.
- 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.
- 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 WITH CONSTRUCTION.
- CALL "MISS UTILITY" AT 1-800-257-7777 FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING EXCAVATION TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES.
- CLEARING IS TO BE LIMITED TO THE "LIMIT OF DISTURBANCE" AS SHOWN ON THE PLANS.
- ALL GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
- THE CONTRACTOR SHALL OBTAIN A 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.
- 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.
- 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.
- THE DESIGN FOR THIS PROJECT HAS INCORPORATED FACILITIES FOR THE ELDERLY AND HANDICAPPED IN COMPLIANCE WITH STATE AND FEDERAL LEGISLATION.

ABBREVIATIONS

A.A.S.H.T.O. ... American Association of State Highway Transportation Officials	E..... East	L.L. Liquid Limit	PROP. Proposed	STD. Standard
ABAN. Abandoned	E..... Electric	LOD Limit of Disturbance	PRC Point of Reverse Curve	STA. Station
ABUT. Abutment	e..... External Distance	LONG. Longitudinal	PT. Point	STIFF. Stiffener
ADT..... Average Daily Traffic	EA..... Each	L.P. Light Pole	PT Point of Tangency	SO. Single Opening
AHD..... Ahead	E.B..... Eastbound	LT. Left	PVC Point of Vertical Curve	S.Y. Square Yards
APPROX. Approximate	E.J..... Expansion Joint	MAC. Macadam	P.V.C. Polyvinyl Chloride	SWM Stormwater Management
BL or BL Baseline	EL. or ELEV. Elevation	MAX. Maximum	PVI Point of Vertical Intersection	T..... Tangent
BK Back /Book	E.R.C.C.P. Elliptical Reinforced Cement Concrete Pipe	MB Micro Bio	PVRC Point of Vertical Reverse Curve	T..... Telephone
BIT..... Bituminous		MC Moisture Content	PVT Point of Vertical Tangency	T.C. Top of Cover
B.C. Bituminous Concrete	ES..... End Section	MDD Maximum Dry Content	R Radius	TEMP. Temporary
B.M. Bench Mark	EX. or EXIST. Existing	MOD. Modified	REINF. Reinforcement	T.G. Top of Grate
B.O.F. Bottom of Footing	FT..... Feet	MIN. Minimum	REQ'D Required	T.B.R. To Be Removed
BOT. Bottom	F or FL Flowline	MN. Managed Roadway	R.F. Rock Fragments	T or TL Traverse Line
BRG. Bearing	F.B.D. Flat Bottom Ditch	M.S.E. Mechanically Stabilized Earth	RT. Right	T.M. Top of Manhole
C.C. Center of Curve	F.H. Fire Hydrant	N North	RW or RW Right of Way	T.O.F. Top of Footing
CATV..... Cable Television	F.O..... Fiber Optic	NB Northbound	R.C.P. Reinforced Cement Pipe	TRAV. Traverse
C.B.R. California Bearing Ratio	F.S..... Full Super Elevation	NE Northeast	R.C.C.P. Reinforced Cement Concrete Pipe	TS Temporary Swale
C.J. Contraction Joint	FWD. Forward	NO. Number	R.Q.D. Rock Quality Designation	T.S. Top of Slab
CL or CL Centerline	G..... Gas	NP Non-Plastic	R.M. Rootmat	T.S. Topsoil
CL Class or Clear	GL Gutterline	N.T.S. Not To Scale	S South	TYP. Typical
CLF Chainlink Fence	GP General Purpose Roadway	O.C. On Center	SAN. Sanitary Sewer	U.D. Under Drain
CMP Corrugated Metal Pipe	G.V..... Gas Valve	OH Overhead	SB or SB Southbound	U.G. Underground
C.O. Cleanout	H.B..... Handbox	OMC Optimum Moisture	S.D. Storm Drain	U.O.N. Unless Otherwise Noted
COMB. Combination	H.D.P. High Density Polyethylene	PAV.T. Pavement	S.D.D. Surface Drain Ditch	U.P. Utility Pole
CONC. Concrete	HDWL Headwall	PC Point of Curvature	SE Super Elevation	USC Unified Soil Classification
CONSTR. Construction	H.E.R.C.P. Horizontal Elliptical Reinforced Concrete Pipe	PCC Point of Compound Curvature	SF Silt Fence	USDA United States Department of Agriculture
COR. Corner		PC Point of Crown	S.F. Square Feet	VC.L Vertical Clearance
CORR. Correction	H.P..... High Point	PGE Profile Grade Elevation	SHLDR. Shoulder	V.C.L. Vertical Curve Length
C.Y. Cubic Yard	H.S.D. Headlight Sight Distance	P.G.L. Profile Grade Line	SHA State Highway Administration	W Water
DC Degree of Curve	IN..... Inch	PGL Profile Ground Line	SHA MB State Highway Administration Micro Bio	W West
D.H.V. Design Hourly Volume	I.S.T Inlet Sediment Trap	R Plate	SHT. Sheet	W.B. Westbound
D.I. Drop Inlet	INV. Invert	P/R Point of Rotation	S.P.P. Structural Plate Pipe	WB Wetland Buffer
DIA. Diameter	J.B. Junction Box	P.I. Plasticity Index	S.P.T. Standard Penetration Testing	W.M. Water Meter
D.O. Double Opening	K K Inlet	P.I Point of Intersection	S.S. Stainless Steel	W.S. Wrapped Steel
D.S. Design Speed	L Length	POC Point On Curve	SSD Stopping Sight Distance	
DWG. Drawing	L.F. Linear Feet	POT Point On Tangent	SSF Super Silt Fence	

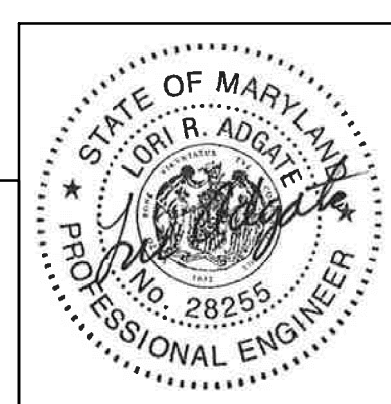
SYMBOLS

EXISTING RIGHT OF WAY LINE	-----	LIMIT OF DISTURBANCE	LOD
PROPOSED RIGHT OF WAY LINE	=====	SILT FENCE	SF
PROPOSED TRAFFIC BARRIER	=====	SUPER SILT FENCE	SSF
EXISTING TRAFFIC BARRIER	=====	DIVERSION FENCE	DF
EXISTING WOOD FENCE LINE	-----	STONE CHECK DAM	CD
EXISTING CHAIN LINK FENCE LINE	-----	TEMPORARY STONE OUTLET STRUCTURE	TSOS
BASE OR SURVEY LINE	-----	TEMPORARY GABION OUTLET STRUCTURE	TGOS
EXISTING FIRE HYDRANT	☼	AT-GRADE INLET PROTECTION	AGIP
PROPOSED STORM DRAIN	=====	CURB INLET PROTECTION	CIP
PROPOSED STORM DRAIN INLET	=====	MEDIAN INLET PROTECTION	MIP
PROPOSED STORM DRAIN MANHOLE	=====	STANDARD INLET PROTECTION	SIP
EXISTING STORM DRAIN	=====	COMBINATION INLET PROTECTION	COIP
EXISTING INLET	=====	STABILIZED CONSTRUCTION ENTRANCE	SCB
EXISTING UTILITY POLE	☼	PROPOSED UTILITY POLE	●
EXISTING TREE	☼	PROPOSED UTILITY CONDUIT	=====
EXISTING TREE LINE	-----	PROPOSED UTILITY VAULT	=====
CUT SLOPE	-----	EXISTING GAS	G
FILL SLOPE	-----	EXISTING WATER	W
STREET LIGHT	☼	EXISTING SEWER	SS
STREET LIGHT HANDBOX	☼	EXISTING FIBER OPTIC	FO
STREET LIGHT CONDUIT	=====		
EXISTING CONTOUR (MINOR)	-----		
EXISTING CONTOUR (MAJOR)	-----		

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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: 28255 EXPIRATION DATE: 6-30-2022



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
SEE TITLE SHEET FOR SIGNATURES
Chief, Design Section Date _____
APPROVED
SEE TITLE SHEET FOR SIGNATURES
Chief, Division of Transportation Engineering Date _____
Designed by : _____ Drawn by : _____ Checked by : _____

SHA TRACKING NO. 21-AP-MO-003-21 GN-01

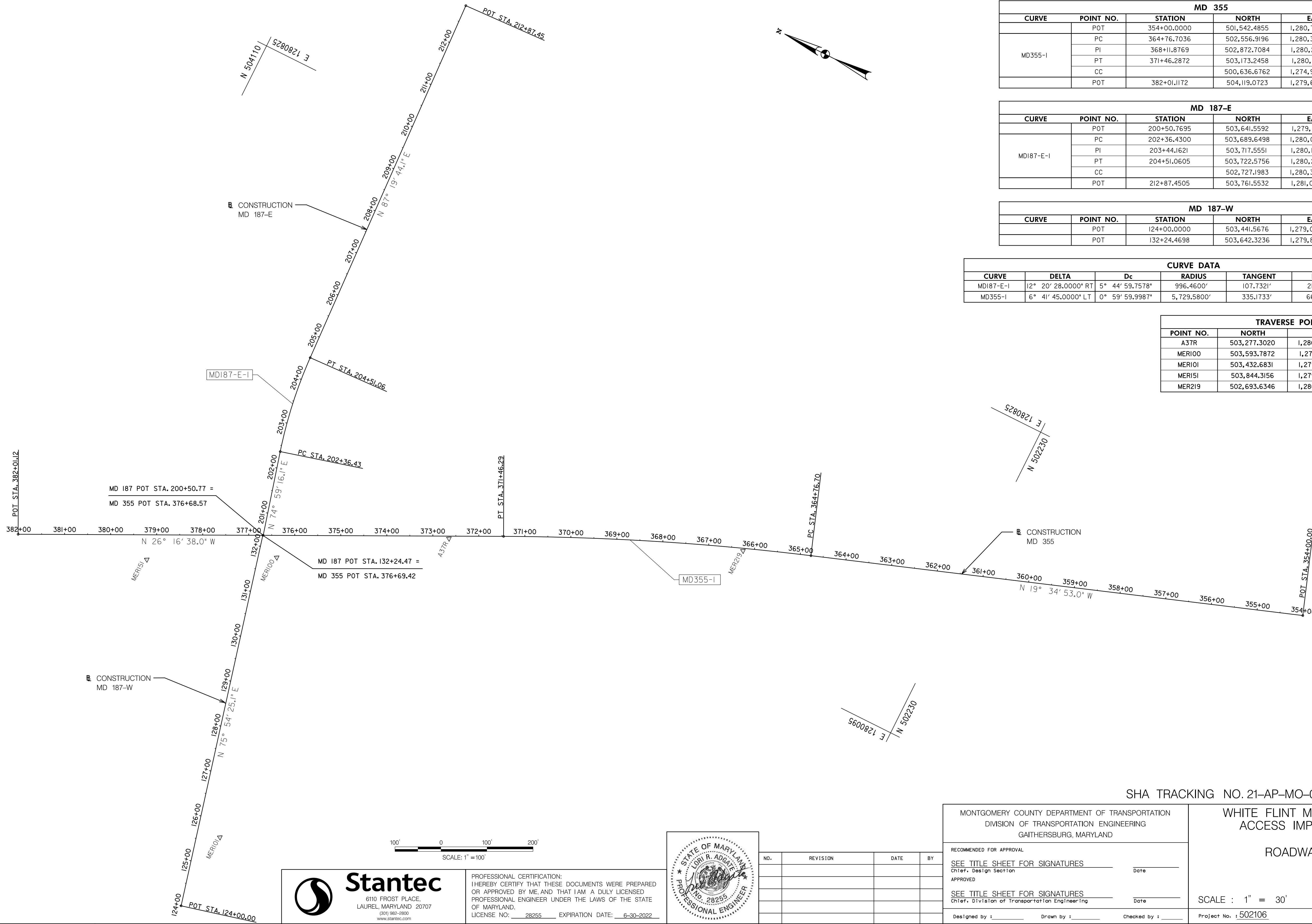
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

GENERAL NOTES,
SYMBOLS AND ABBREVIATIONS

SCALE : NO=SCALE DATE : SEPT 2021

Project No. : 502106 SHEET 02 of 28

9/23/2021
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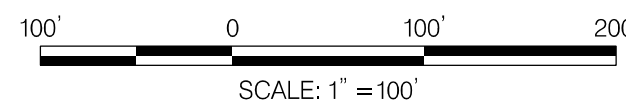
MD 355					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
	POT	354+00.0000	501,542.4855	1,280,722.8952	N 19° 34' 53.00" W
MD355-I	PC	364+76.7036	502,556.9196	1,280,362.0427	N 19° 34' 53.00" W
	PI	368+11.8769	502,872.7084	1,280,249.7109	
	PT	371+46.2872	503,173.2458	1,280,101.3247	N 26° 16' 38.00" W
	CC		500,636.6762	1,274,963.8252	
	POT	382+01.1172	504,119.0723	1,279,634.3359	N 26° 16' 38.00" W

MD 187-E					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
	POT	200+50.7695	503,641.5592	1,279,870.1014	N 74° 59' 16.13" E
MD187-E-I	PC	202+36.4300	503,689.6498	1,280,049.4255	N 74° 59' 16.13" E
	PI	203+44.1621	503,717.5551	1,280,153.4808	
	PT	204+51.0605	503,722.5756	1,280,261.0958	N 87° 19' 44.13" E
	CC		502,727.1983	1,280,307.5330	
	POT	212+87.4505	503,761.5532	1,281,096.5771	N 87° 19' 44.13" E

MD 187-W					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
	POT	124+00.0000	503,441.5676	1,279,070.0694	N 75° 54' 25.08" E
	POT	132+24.4698	503,642.3236	1,279,869.7240	

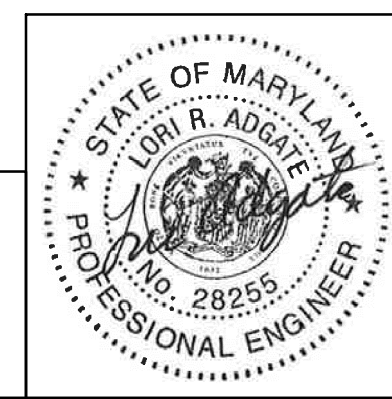
CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
MD187-E-I	12° 20' 28.0000" RT	5° 44' 59.7578"	996,4600'	107.7321'	214.6305'	5.8068'
MD355-I	6° 41' 45.0000" LT	0° 59' 59.9987"	5,729.5800'	335.1733'	669.5836'	9.7952'

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
A37R	503,277.3020	1,280,044.1760	402.65
MER100	503,593.7872	1,279,840.1414	399.62
MER101	503,432.6831	1,279,240.9519	384.56
MER151	503,844.3156	1,279,710.0597	398.80
MER219	502,693.6346	1,280,305.5218	405.88



Stantec
 6110 FROST PLACE,
 LAUREL, MARYLAND 20707
 (301) 982-2900
 www.stantec.com

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.: 28255 EXPIRATION DATE: 6-30-2022



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

SEE TITLE SHEET FOR SIGNATURES
 Chief, Design Section _____ Date _____

APPROVED

SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering _____ Date _____

Designed by : _____ Drawn by : _____ Checked by : _____

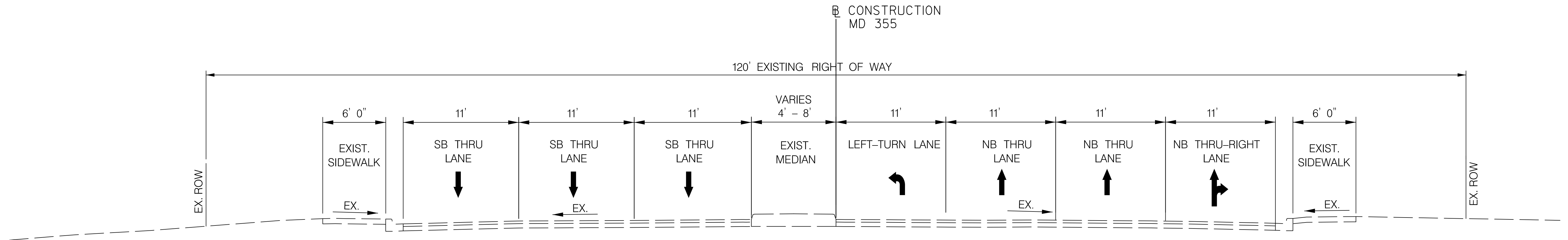
SHA TRACKING NO. 21-AP-MO-003-21 GS-01

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

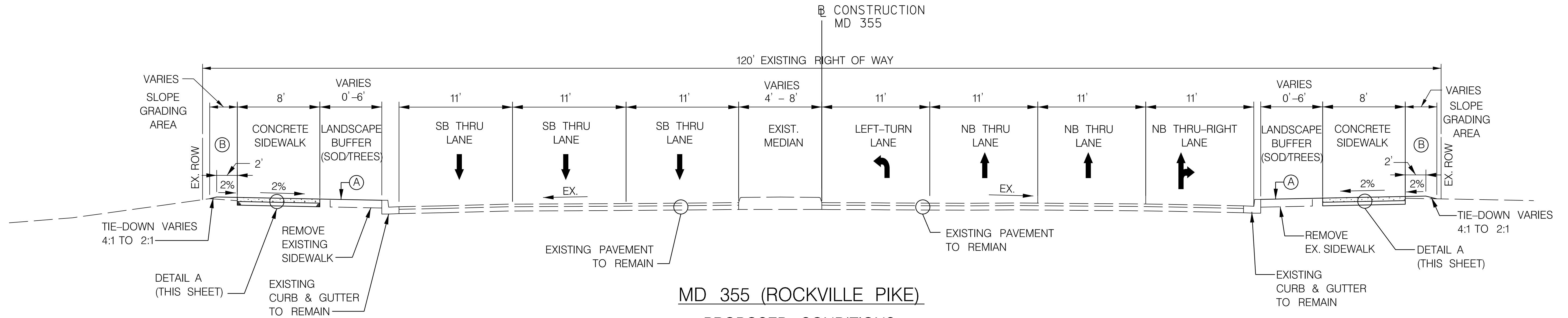
ROADWAY PLAN

SCALE : 1" = 30' DATE : SEPT 2021

Project No. : 502106 SHEET 03 of 28

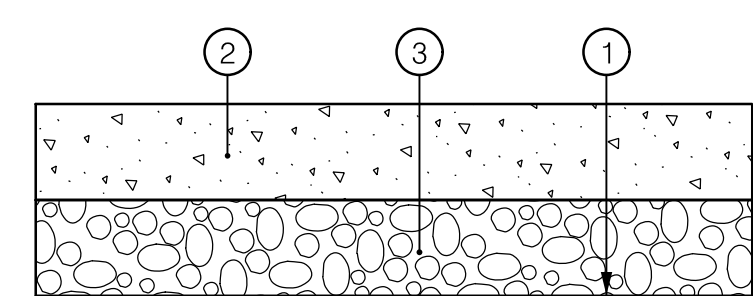


MD 355 (ROCKVILLE PIKE)
EXISTING CONDITIONS
 STA. 370+93.01 TO 375+21.62



MD 355 (ROCKVILLE PIKE)
PROPOSED CONDITIONS
 STA. 370+93.01 TO 375+21.62

- (A) PLACE 4" TOPSOIL AND SOD IN LANDSCAPE BUFFER AREAS
- (B) PLACE 4" TOPSOIL, SEED AND MULCH IN SIDE SLOPE AREA

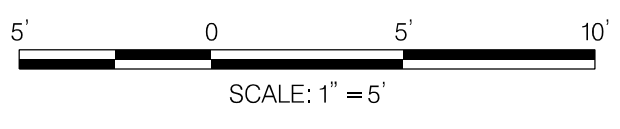


DETAIL A
CONCRETE SIDEWALK
 N.T.S.

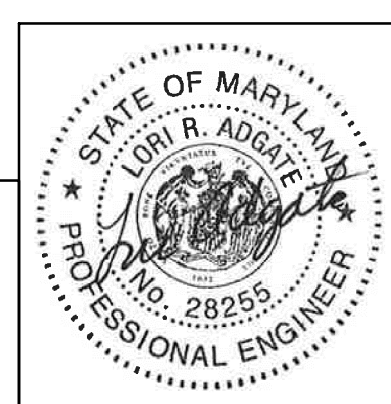
PAVEMENT LEGEND

- ① TOP OF SUBGRADE AND LIMIT OF CLASS 2 EXCAVATION
- ② 5" CONCRETE (MDSHA STD. MD 655.01)
- ③ 4" GRADED AGGREGATE BASE

NOTE:
 MDOT SHA STANDARD 580.03, NEW COMBINATION CURB AND GUTTER PLACEMENT ALONG EXISTING PAVEMENT, SHALL BE USED IF EXISTING COMBINATION CURB AND GUTTER IS DAMAGED DURING CONSTRUCTION OF THE PROPOSED SIDEWALK AND DRIVEWAY IMPROVEMENTS.



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.
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MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering
 Designed by : _____ Drawn by : _____ Checked by : _____

SHA TRACKING NO. 21-AP-MO-003-21 TS-01

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

TYPICAL SECTIONS

SCALE : 1" = 5' DATE : SEPT 2021

Project No. : 502106 SHEET 04 of 28

9/23/2021 UA 2026213204\700 CADD\701 Sheet\Phase 1\dHT-0001_WFMetro.dgn

5 INCH CONCRETE SIDEWALK (STD. NO. MC-III.01)					
CONSTRUCTION	BEGIN STA./OFFSET	END STA./OFFSET	QUANTITY (SF)	REMARKS	
MD 355	371+02.55 / 48.50' LT	371+32.18 / 48.64' LT	233	SOUTHBOUND SIDEWALK MC DOT STD. NO. III.01	
MD 355	371+67.08 / 48.65' LT	372+97.07 / 48.62' LT	1,043	SOUTHBOUND SIDEWALK MC DOT STD. NO. III.01	
MD 355	373+34.59 / 48.61' LT	374+26.72 / 48.59' LT	755	SOUTHBOUND SIDEWALK MC DOT STD. NO. III.01	
MD 355	374+63.02 / 48.58' LT	375+31.27 / 51.56' LT	639	SOUTHBOUND SIDEWALK MC DOT STD. NO. III.01	
MD 355	370+95.12 / 48.81' RT	375+11.12 / 42.61' RT	3,349	NORTHBOUND SIDEWALK MC DOT STD. NO. III.01	

STANDARD ENTRANCE CONSTRUCTION (STD. NO. MD 630.02)					
CONSTRUCTION	BEGIN STA./OFFSET	END STA./OFFSET	QUANTITY (SY)	REMARKS	
MD 355	371+33.63 / 41.98' LT	371+65.74 / 41.99' LT	63	MD SHA STD. NO. 630.02	
MD 355	372+98.73 / 41.95' LT	373+32.92 / 41.94' LT	66	MD SHA STD. NO. 630.02	
MD 355	374+28.39 / 41.92' LT	374+61.36 / 41.91' LT	66	MD SHA STD. NO. 630.02	

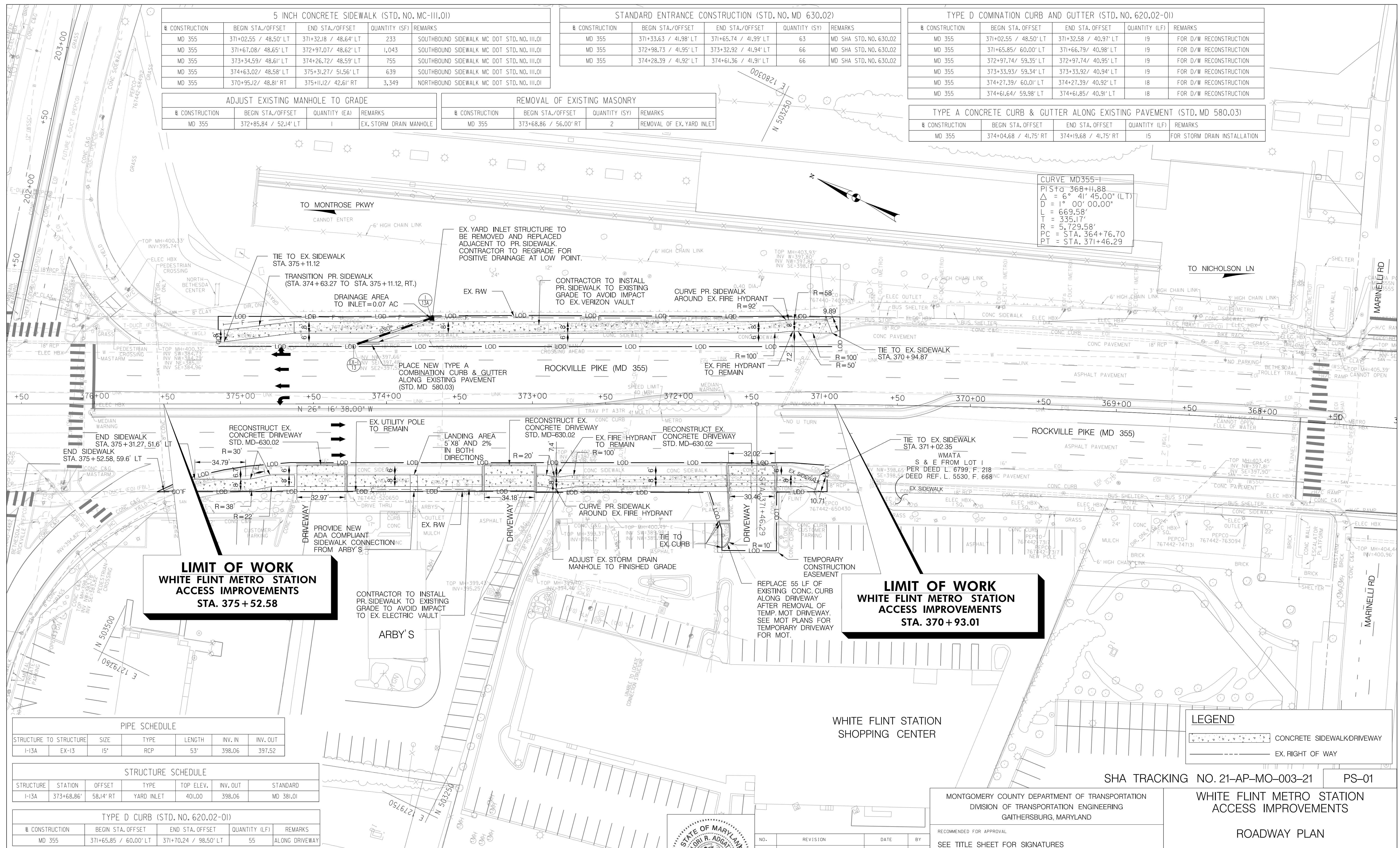
TYPE D COMINATION CURB AND GUTTER (STD. NO. 620.02-01)					
CONSTRUCTION	BEGIN STA./OFFSET	END STA./OFFSET	QUANTITY (LF)	REMARKS	
MD 355	371+02.55 / 48.50' LT	371+32.58 / 40.97' LT	19	FOR D/W RECONSTRUCTION	
MD 355	371+65.85 / 60.00' LT	371+66.79 / 40.98' LT	19	FOR D/W RECONSTRUCTION	
MD 355	372+97.74 / 59.35' LT	372+97.74 / 40.95' LT	19	FOR D/W RECONSTRUCTION	
MD 355	373+33.93 / 59.34' LT	373+33.92 / 40.94' LT	19	FOR D/W RECONSTRUCTION	
MD 355	374+27.39 / 60.01' LT	374+27.39 / 40.92' LT	18	FOR D/W RECONSTRUCTION	
MD 355	374+61.64 / 59.98' LT	374+61.85 / 40.91' LT	18	FOR D/W RECONSTRUCTION	

ADJUST EXISTING MANHOLE TO GRADE			
CONSTRUCTION	BEGIN STA./OFFSET	QUANTITY (EA)	REMARKS
MD 355	372+85.84 / 52.14' LT	1	EX. STORM DRAIN MANHOLE

REMOVAL OF EXISTING MASONRY			
CONSTRUCTION	BEGIN STA./OFFSET	QUANTITY (SY)	REMARKS
MD 355	373+68.86 / 56.00' RT	2	REMOVAL OF EX. YARD INLET

TYPE A CONCRETE CURB & GUTTER ALONG EXISTING PAVEMENT (STD. MD 580.03)					
CONSTRUCTION	BEGIN STA./OFFSET	END STA./OFFSET	QUANTITY (LF)	REMARKS	
MD 355	374+04.68 / 41.75' RT	374+19.68 / 41.75' RT	15	FOR STORM DRAIN INSTALLATION	

CURVE MD355-1
 PISTd 368+11.88
 $\Delta = 6^\circ 41' 45.00''$ (LT)
 $D = 1^\circ 00' 00.00''$
 $L = 669.58'$
 $T = 335.17'$
 $R = 5,729.58'$
 $PC = STA. 364+76.70$
 $PT = STA. 371+46.29$



LIMIT OF WORK
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS
STA. 375 + 52.58

LIMIT OF WORK
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS
STA. 370 + 93.01

PIPE SCHEDULE					
STRUCTURE TO STRUCTURE	SIZE	TYPE	LENGTH	INV. IN	INV. OUT
I-13A EX-13	15"	RCP	53'	398.06	397.52

STRUCTURE SCHEDULE						
STRUCTURE	STATION	OFFSET	TYPE	TOP ELEV.	INV. OUT	STANDARD
I-13A	373+68.86'	58.14' RT	YARD INLET	401.00	398.06	MD 381.01

TYPE D CURB (STD. NO. 620.02-01)					
CONSTRUCTION	BEGIN STA./OFFSET	END STA./OFFSET	QUANTITY (LF)	REMARKS	
MD 355	371+65.85 / 60.00' LT	371+70.24 / 98.50' LT	55	ALONG DRIVEWAY	

LEGEND	
	CONCRETE SIDEWALK/DRIVEWAY
	EX. RIGHT OF WAY

SHA TRACKING NO. 21-AP-MO-003-21 PS-01

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Design Section Date

APPROVED
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering Date

Designed by: _____ Drawn by: _____ Checked by: _____

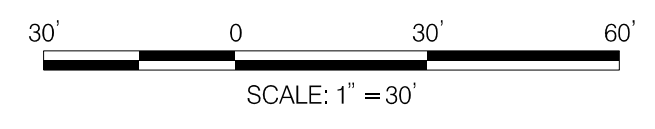
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

ROADWAY PLAN

SCALE : 1" = 30' DATE : NOV 2021

Project No. : 502106 SHEET 05 of 28

11/4/2021 U:\2026213204\700 CADD\701 Sheet\Phase 1\PHD-0001_WFMetro.dgn

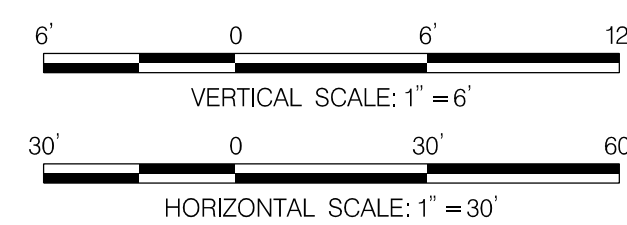


PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO.: 28255 EXPIRATION DATE: 6-30-2022

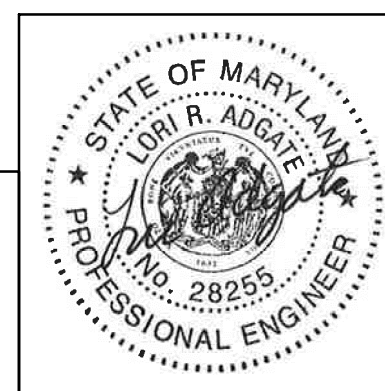


NO.	REVISION	DATE	BY

9/23/2021 UA\2026213204\700 CADD\701 Sheet\Phase I\DRP-V001-WFMetro.dgn



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 LICENSE NO.: 28255 EXPIRATION DATE: 6-30-2022



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Design Section Date _____
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering Date _____
 Designed by : _____ Drawn by : _____ Checked by : _____

SHA TRACKING NO. 21-AP-MO-003-21 PR-01

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS
 ROADWAY CENTERLINE PROFILE

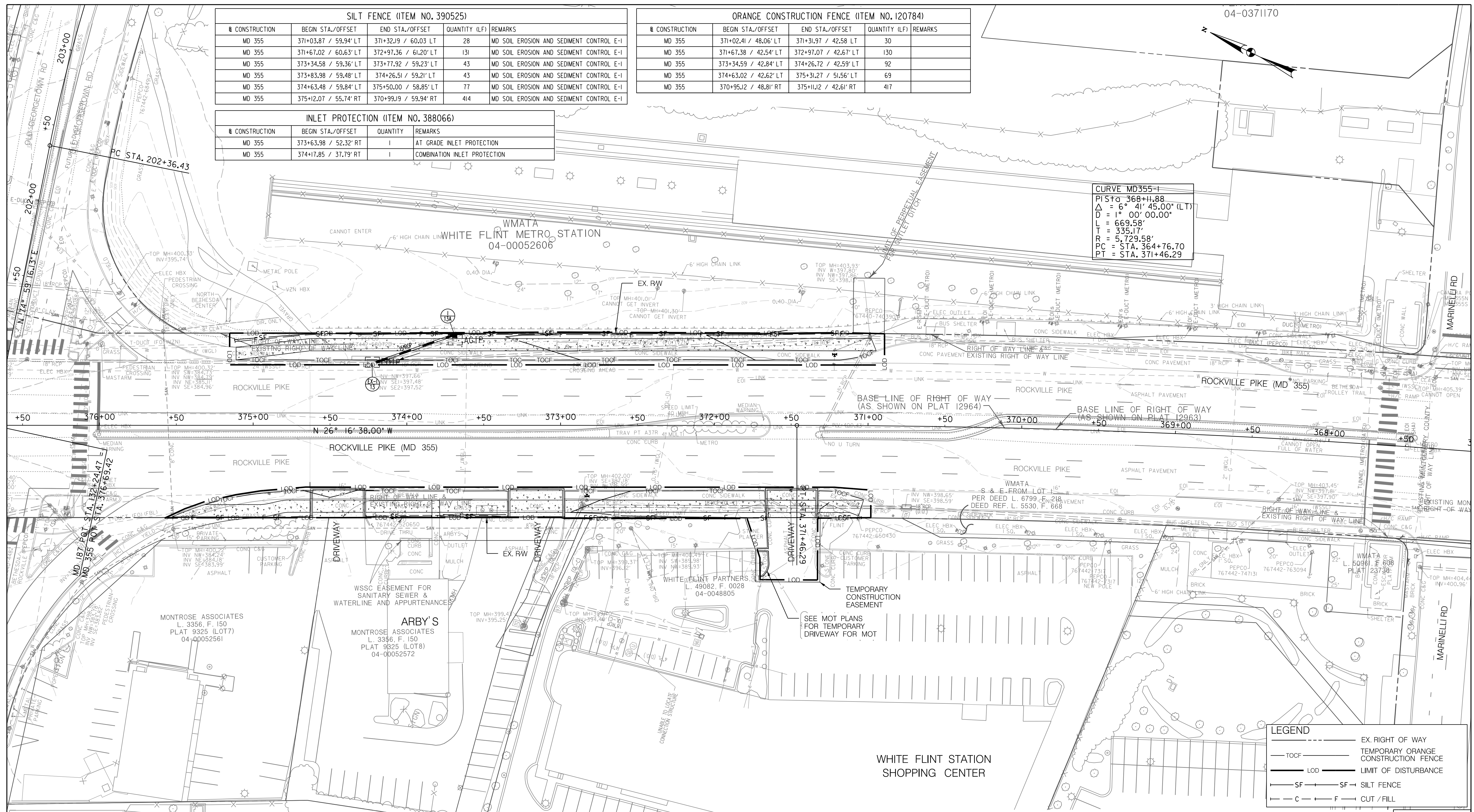
SCALE : H 1" = 30'; V 1" = 6' DATE : SEPT 2021
 Project No. : 502106 SHEET 06 of 28

SILT FENCE (ITEM NO. 390525)					
CONSTRUCTION	BEGIN STA./OFFSET	END STA./OFFSET	QUANTITY (LF)	REMARKS	
MD 355	371+03.87 / 59.94' LT	371+32.19 / 60.03 LT	28	MD SOIL EROSION AND SEDIMENT CONTROL E-I	
MD 355	371+67.02 / 60.63' LT	372+91.36 / 61.20' LT	131	MD SOIL EROSION AND SEDIMENT CONTROL E-I	
MD 355	373+34.58 / 59.36' LT	373+77.92 / 59.23' LT	43	MD SOIL EROSION AND SEDIMENT CONTROL E-I	
MD 355	373+83.98 / 59.48' LT	374+26.51 / 59.21' LT	43	MD SOIL EROSION AND SEDIMENT CONTROL E-I	
MD 355	374+63.48 / 59.84' LT	375+50.00 / 58.85' LT	77	MD SOIL EROSION AND SEDIMENT CONTROL E-I	
MD 355	375+12.07 / 55.74' RT	370+99.19 / 59.94' RT	414	MD SOIL EROSION AND SEDIMENT CONTROL E-I	

ORANGE CONSTRUCTION FENCE (ITEM NO. 120784)					
CONSTRUCTION	BEGIN STA./OFFSET	END STA./OFFSET	QUANTITY (LF)	REMARKS	
MD 355	371+02.41 / 48.06' LT	371+31.97 / 42.58 LT	30		
MD 355	371+67.38 / 42.54' LT	372+97.07 / 42.67' LT	130		
MD 355	373+34.59 / 42.84' LT	374+26.72 / 42.59' LT	92		
MD 355	374+63.02 / 42.62' LT	375+31.27 / 51.56' LT	69		
MD 355	370+95.12 / 48.81' RT	375+11.12 / 42.61' RT	417		

INLET PROTECTION (ITEM NO. 388066)			
CONSTRUCTION	BEGIN STA./OFFSET	QUANTITY	REMARKS
MD 355	373+63.98 / 52.32' RT	1	AT GRADE INLET PROTECTION
MD 355	374+17.85 / 37.79' RT	1	COMBINATION INLET PROTECTION

CURVE MD355-1
 PIST = 368+11.88
 $\Delta = 6^\circ 41' 45.00''$ (LT)
 D = 1° 00' 00.00"
 L = 669.58'
 T = 335.17'
 R = 5,729.58'
 PC = STA. 364+76.70
 PT = STA. 371+46.29



LEGEND	
---	EX. RIGHT OF WAY
---	TEMPORARY ORANGE CONSTRUCTION FENCE
---	LOD
---	LIMIT OF DISTURBANCE
---	SF
---	SILT FENCE
---	C
---	CUT / FILL

SHA TRACKING NO. 21-AP-MO-003-21 GR-01

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION DIVISION OF TRANSPORTATION ENGINEERING GAITHERSBURG, MARYLAND			
RECOMMENDED FOR APPROVAL			
SEE TITLE SHEET FOR SIGNATURES			
Chief, Design Section	Date		
APPROVED			
SEE TITLE SHEET FOR SIGNATURES			
Chief, Division of Transportation Engineering	Date		
Designed by	Drawn by	Checked by	

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

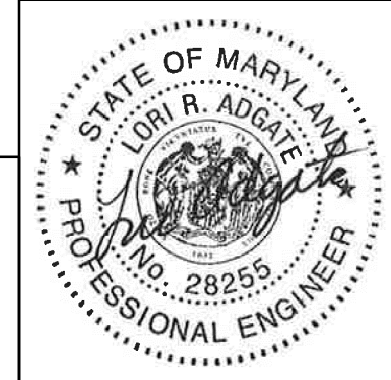
GRADING PLAN

SCALE : 1" = 30' DATE : SEPT 2021

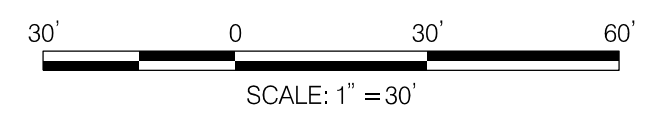
Project No. : 502106 SHEET 07 of 28



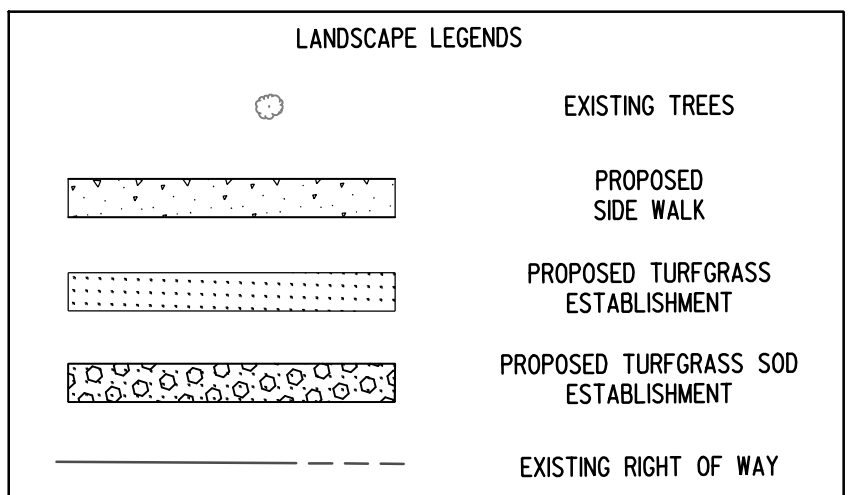
PROFESSIONAL CERTIFICATION:
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 LICENSE NO.: 28255 EXPIRATION DATE: 6-30-2022



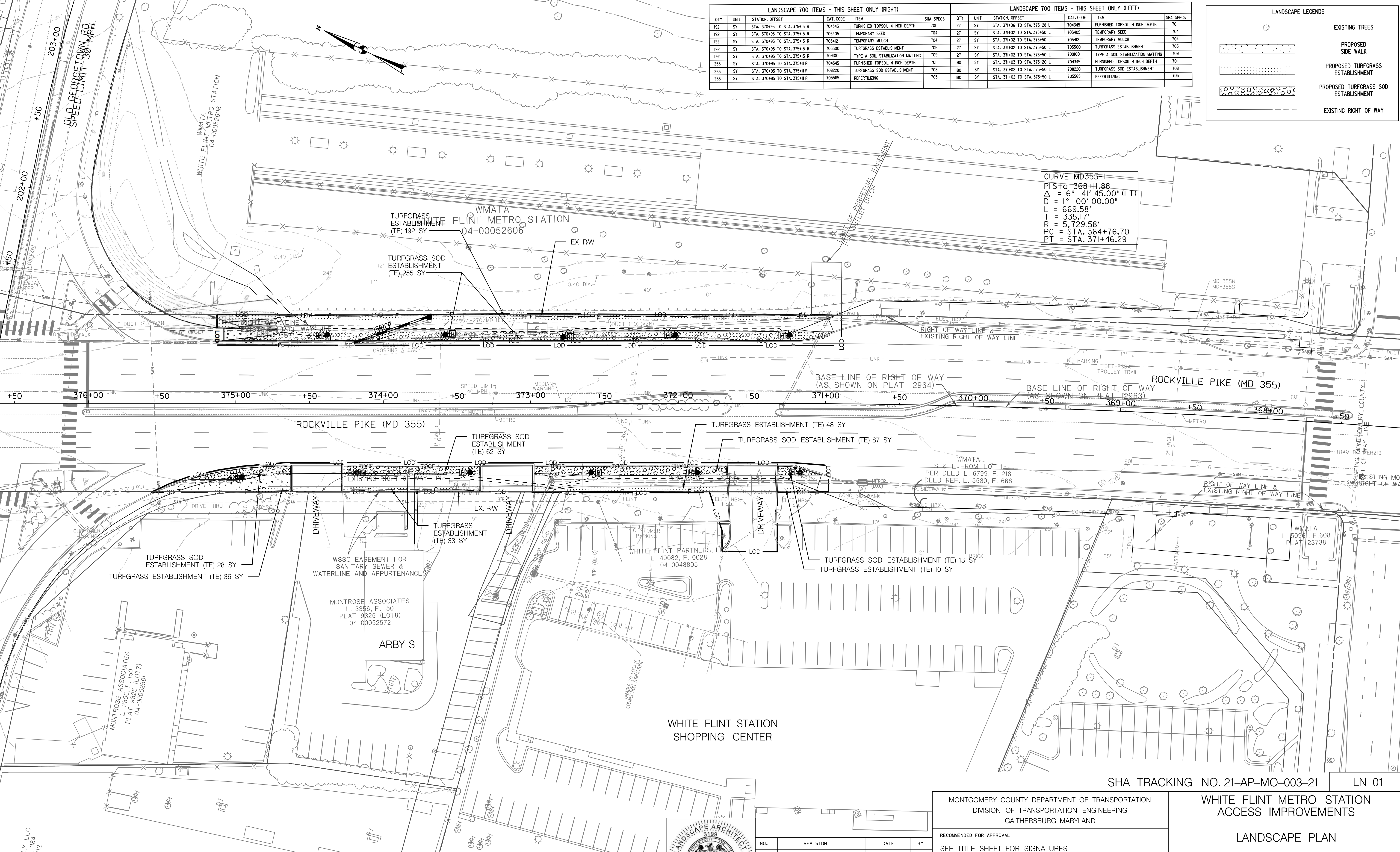
NO.	REVISION	DATE	BY



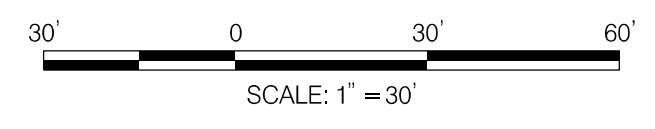
LANDSCAPE 700 ITEMS - THIS SHEET ONLY (RIGHT)						LANDSCAPE 700 ITEMS - THIS SHEET ONLY (LEFT)					
QTY	UNIT	STATION, OFFSET	CAT. CODE	ITEM	SHA SPECS	QTY	UNIT	STATION, OFFSET	CAT. CODE	ITEM	SHA SPECS
192	SY	STA. 370+95 TO STA. 375+15 R	T04345	FURNISHED TOPSOIL 4 INCH DEPTH	701	127	SY	STA. 371+06 TO STA. 375+28 L	T04345	FURNISHED TOPSOIL 4 INCH DEPTH	701
192	SY	STA. 370+95 TO STA. 375+15 R	T05405	TEMPORARY SEED	704	127	SY	STA. 371+06 TO STA. 375+28 L	T05405	TEMPORARY SEED	704
192	SY	STA. 370+95 TO STA. 375+15 R	T05412	TEMPORARY MULCH	704	127	SY	STA. 371+06 TO STA. 375+28 L	T05412	TEMPORARY MULCH	704
192	SY	STA. 370+95 TO STA. 375+15 R	T05500	TURFGRASS ESTABLISHMENT	705	127	SY	STA. 371+06 TO STA. 375+28 L	T05500	TURFGRASS ESTABLISHMENT	705
192	SY	STA. 370+95 TO STA. 375+15 R	T09100	TYPE A SOIL STABILIZATION MATTING	709	127	SY	STA. 371+06 TO STA. 375+28 L	T09100	TYPE A SOIL STABILIZATION MATTING	709
255	SY	STA. 370+95 TO STA. 375+15 R	T04345	FURNISHED TOPSOIL 4 INCH DEPTH	701	190	SY	STA. 371+03 TO STA. 375+20 L	T04345	FURNISHED TOPSOIL 4 INCH DEPTH	701
255	SY	STA. 370+95 TO STA. 375+15 R	T08220	TURFGRASS SOD ESTABLISHMENT	708	190	SY	STA. 371+03 TO STA. 375+20 L	T08220	TURFGRASS SOD ESTABLISHMENT	708
255	SY	STA. 370+95 TO STA. 375+15 R	T05565	REFERTILIZING	705	190	SY	STA. 371+03 TO STA. 375+20 L	T05565	REFERTILIZING	705



CURVE MD355-1
 PIST = 368+11.88
 $\Delta = 6^\circ 41' 45.00''$ (LT)
 $D = 1^\circ 00' 00.00''$
 $L = 669.58'$
 $T = 335.17'$
 $R = 5,729.58'$
 $PC = STA. 364+76.70$
 $PT = STA. 371+46.29$



JARFE FAMILY LLC
 L. 19940, F. 384
 04-00051112



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 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.: 3199 EXPIRATION DATE: 05/07/2023



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Design Section Date

APPROVED
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering Date

Designed by: Drawn by: Checked by:

SHA TRACKING NO. 21-AP-MO-003-21 LN-01

WHITE FLINT METRO STATION ACCESS IMPROVEMENTS

LANDSCAPE PLAN

SCALE : 1" = 30' DATE : NOV 2021

Project No. : 502106 SHEET 08 of 28

11/29/2021 U:\2026213204\700 CAD\X\701 Sheet\Phase 1\PLD-0001_WFMetro.dgn

NOTES

7.1 LANDSCAPE NOTES. LANDSCAPE CONSTRUCTION WITHIN THE RIGHT OF WAY OF THE MARYLAND STATE HIGHWAY ADMINISTRATION (SHA) AND WITHIN SHA PROPERTY, EASEMENT AREAS AND LANDS TO BE CONVEYED TO SHA/MTA SHALL CONFORM TO THESE NOTES. FOR GUIDANCE REGARDING DESIGN MODIFICATIONS DURING CONSTRUCTION, REFER TO SHA LANDSCAPE DESIGN GUIDE, SHA LANDSCAPE ESTIMATING MANUAL, AND SHA ENVIRONMENTAL GUIDE FOR ACCESS AND DISTRICT PERMIT APPLICANTS AT [HTTP://WWW.ROADS.MARYLAND.GOV/INDEX.ASPX?PAGEID=25](http://www.roads.maryland.gov/index.aspx?pageid=25)

7.2 SHA STANDARD SPECIFICATIONS. LANDSCAPE CONSTRUCTION SHALL CONFORM TO SECTIONS 701 THROUGH 716, AND LANDSCAPE MATERIALS SHALL CONFORM TO SECTION 920 OF THE MOST RECENT REVISION OF SHA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, INCLUDING ALL REVISIONS AND SUPPLEMENTS, AND AS SPECIFIED IN THESE NOTES. THESE REQUIREMENTS SHALL SUPERSEDE ALL OTHER SPECIFICATIONS FOR WORK ON SHA PROPERTY. ALL SHA SPECIFICATIONS FOR LANDSCAPING AND LANDSCAPE MATERIALS PUBLISHED IN 2008 HAVE BEEN REPLACED. CURRENT SPECIFICATIONS ARE A [HTTP://WWW.ROADS.MARYLAND.GOV/INDEX.ASPX?PAGEID=44](http://www.roads.maryland.gov/index.aspx?pageid=44)

7.3 EROSION AND SEDIMENT CONTROL MANAGER (ESCM). SOIL DISTURBANCE SUCH AS GRADING, EXCAVATION, SOIL PLACEMENT OR OTHER ACTIVITIES THAT INVOLVE SOIL DISTURBANCE SHALL BE SUPERVISED BY AN ESCM MANAGER WITH A VALID "SHA YELLOW CARD" IN CONFORMANCE WITH SHA STANDARD SPECIFICATIONS AND ANY APPLICABLE EROSION AND SEDIMENT CONTROL PERMIT.

7.4 SHA STANDARD DETAILS FOR TREES, SHRUBS AND PLANTING BEDS. THE INSTALLATION OF TREES, SHRUBS, PLANTING BEDS AND OTHER LANDSCAPE CONSTRUCTION RELATED TO SECTION 710 OF THE SHA STANDARD SPECIFICATIONS SHALL CONFORM TO THE "SHA BOOK OF STANDARDS FOR HIGHWAY & INCIDENTAL STRUCTURES - CATEGORY 7" AT [HTTP://APPS.ROADS.MARYLAND.GOV/BUSINESSWITHSHA/BIZSTDSSPECS/DFSMANUALSTD/PUB/PUBLICATIONSONLINE/OHD/BOOKSTD/TOCCAT7.ASP](http://apps.roads.maryland.gov/businesswithsha/bizstdsspecs/dfsmanualstdpub/publicationsonline/ohd/bookstd/toccat7.asp)

7.5 TEMPORARY STABILIZATION SHALL BE INSTALLED IN CONFORMANCE WITH SECTION 704 TO ENSURE THAT AREAS OF SOIL DISTURBANCE ARE PROTECTED FROM WIND, RAINFALL AND FLOWING WATER UNTIL PERMANENT STABILIZATION IS INSTALLED.

7.6 ROADWAY PAVEMENT REMOVAL. AREAS OF ROADWAY REMOVAL SHALL BE EXCAVATED TO REMOVED PAVEMENTS, AGGREGATE BASE, AND COMPACTED SOIL TO A MINIMUM DEPTH OF 10 INCHES BELOW THE PAVEMENT SURFACE OR AS NECESSARY TO REMOVE ALL MATERIAL UNSUITABLE FOR LANDSCAPING. THE EXCAVATION AREAS SHALL BE RESTORED WITH SUBSOIL AND TOPSOIL AS PART OF SOIL RESTORATION.

1. TEMPORARY MULCH, EITHER AS TEMPORARY STRAW MULCH OR TEMPORARY MATTING MULCH, SHALL BE INSTALLED AT THE END OF EACH WORKING DAY TO PROVIDE "SAME DAY STABILIZATION" UNLESS OTHER APPROVED STABILIZATION IS INSTALLED.
2. TEMPORARY STRAW MULCH SHALL BE INSTALLED ON AREAS AND SLOPES FLATTER THAN 4:1 TEMPORARY MATTING MULCH SHALL BE APPLIED ON SLOPES 4:1 AND STEEPER, AND TO AREAS WITH CHANNELS.
3. TEMPORARY SEED SHALL BE INSTALLED IN LIEU OF TEMPORARY MULCH WHEN SOIL REDISTURBANCE IS EXPECTED MORE THAN 30 DAYS AFTER SOIL DISTURBANCE. THE REQUIRED APPLICATION RATE SHALL BE 100 LBS PER ACRE OF 37-0-0 (SCU) FERTILIZER.

7.7 EXCAVATION AND DEBRIS REMOVAL. DEBRIS RELATED TO THE DEMOLITION OF SIDEWALKS, DRIVEWAYS, CURBS, TREES, STUMPS, ROOTS, FENCING, PIPES, AND OTHER MATERIALS THAT MAY INTERFERE WITH LANDSCAPE INSTALLATION OR FUTURE MAINTENANCE SHALL BE EXCAVATED AS NECESSARY FOR THEIR COMPLETE REMOVAL AND DISPOSAL.

7.8 SOIL RESTORATION. AREAS OF PAVEMENT REMOVAL, EXCAVATION OR DRILLING IN LANDSCAPED AREAS SHALL REMOVE EXCAVATED DEBRIS AND RESTORE THE SUBGRADE WITH APPROVED SUBSOIL AND TOPSOIL PLACED IN CONFORMANCE WITH SECTION 701 OF THE SHA STANDARD SPECIFICATIONS.

1. A LAYER OF APPROVED TOPSOIL AT LEAST 4 INCH DEPTH SHALL BE PLACED ON ALL DISTURBED AREAS FLATTER THAN 2:1 AND IN ALL CHANNELS PRIOR TO SEEDING, SODDING OR OTHER LANDSCAPING, UNLESS OTHERWISE SPECIFIED.
2. A LAYER OF APPROVED TOPSOIL AT LEAST 2 INCH DEPTH SHALL BE PLACED ON ALL DISTURBED AREAS 2:1 AND STEEPER PRIOR TO SEEDING, SODDING OR OTHER LANDSCAPING, UNLESS OTHERWISE SPECIFIED.
3. BIORETENTION SOIL MIX (BSM) AND OTHER MATERIALS INSTALLED IN CONJUNCTION WITH SPI 316 - STORMWATER FILTRATION FACILITIES AND SHA STORMWATER DETAILS SHALL BE INSTALLED IN CONFORMANCE WITH THE SHA LANDSCAPE NOTES AND LANDSCAPE PLANS. PLANT MATERIALS AND MULCH SHALL BE INSTALLED IN BSM IN CONFORMANCE WITH STORMWATER DETAILS, SECTION 710 OR OTHER SHA SPECIFICATIONS.

7.9 TURFGRASS SOD ESTABLISHMENT SHALL BE PERFORMED IN ALL DISTURBED AREAS, OR WITHIN THE AREAS INDICATED IN THE PLANS, IN CONFORMANCE WITH SECTION 708 OF THE SHA STANDARD SPECIFICATIONS. THE REQUIRED APPLICATION RATE OF 20-16-12 FERTILIZER SHALL BE 200 LBS PER ACRE, AND NO FERTILIZER SHALL BE APPLIED FROM NOVEMBER 15 TO MARCH 1.

7.10 TURFGRASS ESTABLISHMENT SHALL BE PERFORMED IN ALL DISTURBED AREAS, OR WITHIN THE AREAS INDICATED IN THE PLANS, IN CONFORMANCE WITH SECTION 705 OF THE SHA STANDARD SPECIFICATIONS. THE REQUIRED APPLICATION RATE OF 20-16-12 FERTILIZER SHALL BE 200 LBS PER ACRE, AND NO FERTILIZER SHALL BE APPLIED FROM NOVEMBER 15 TO MARCH 1.

7.11 SOIL STABILIZATION MATTING SHALL BE INSTALLED IN CONFORMANCE WITH SECTION 709 OF THE SHA STANDARD SPECIFICATIONS, IN CONJUNCTION WITH TURFGRASS ESTABLISHMENT PER SECTION 705 OR MEADOW ESTABLISHMENT PER SECTION 707 AS FOLLOWS:

1. AREAS FLATTER THAN 6:1. TYPE A OR TYPE E MATTING MAY BE INSTALLED IN LIEU OF STRAW MULCH AND HYDROMULCH BINDER IN CONJUNCTION WITH TURFGRASS ESTABLISHMENT.
2. AREAS STEEPER THAN 6:1 AND FLATTER THAN 4:1. TYPE A OR TYPE E MATTING SHALL BE INSTALLED IN LIEU OF STRAW MULCH AND HYDROMULCH BINDER IN CONJUNCTION WITH TURFGRASS ESTABLISHMENT, UNLESS DELINEATED AND NOTED OTHERWISE.
3. CHANNELS, STORMWATER MANAGEMENT FACILITIES, AND SLOPES 4:1 AND STEEPER TYPE A SOIL STABILIZATION MATTING SHALL BE INSTALLED IN LIEU OF STRAW MULCH AND HYDROMULCH BINDER IN CONJUNCTION WITH TURFGRASS ESTABLISHMENT, UNLESS DELINEATED AND NOTED OTHERWISE.

7.14 ROADSIDE TREE PERMIT. TREE REMOVAL, TREE INSTALLATION, TREE ROOT AND BRANCH PRUNING, AND OTHER REGULATED IMPACTS TO TREES IN THE SHA RIGHT OF WAY SHALL CONFORM TO THE REQUIREMENTS OF THE ROADSIDE TREE PERMIT (RTP) OF THE MARYLAND DEPARTMENT OF NATURAL RESOURCES, OR THE APPROVED FOREST CONSERVATION ACT PLAN OF THE LOCAL AUTHORITY.

1. A COPY OF THE RTP OR FCP SHALL BE SUBMITTED TO THE SHA OFFICE OF ENVIRONMENTAL DESIGN BEFORE WORK IS PERFORMED, AND A COPY OF THE RTP OR FCP SHALL BE REPRODUCED IN THE PLANS OR BE IN POSSESSION OF THE APPLICANT AT THE PROJECT SITE WHEN THE PERMITTED WORK IS PERFORMED.
2. A MARYLAND LICENSED TREE EXPERT SHALL PERFORM THE SPECIFIED TREE OPERATIONS IN CONFORMANCE WITH THE SHA STANDARD SPECIFICATIONS AND ANSI A300 STANDARDS FOR TREE CARE OPERATIONS.

7.15 TREES AND OTHER PLANT MATERIAL INSTALLATION. TREES, SHRUBS, PERENNIALS, ANNUALS, BULBS, LANDSCAPE BEDS, BARK MULCH AND SIMILAR MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH SECTION 710 AND 711 OF THE SHA STANDARD SPECIFICATIONS. TREE AND SHRUBS SHALL BE PRUNED AT THE TIME OF INSTALLATION TO ENSURE SIDEWALK CLEARANCE FOR PEDESTRIANS IS MAINTAINED TO A HEIGHT OF 8 FEET. NO TREE OR SHRUB SHALL BE INSTALLED WITHIN 3 FEET OF CURBS, SIDEWALKS, OR PAVEMENT EDGES.

MASTER LANDSCAPE 700 ITEMS				
QTY	UNIT	CAT. CODE	ITEM	SHA SPECS
764	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH	701
319	SY	705405	TEMPORARY SEED	704
319	SY	705500	TURFGRASS ESTABLISHMENT	705
319	SY	709100	TYPE A SOIL STABILIZATION MATTING	709
445	SY	708220	TURFGRASS SOD ESTABLISHMENT	708
319	SY	705412	TEMPORARY MULCH	704
445	SY	705565	REFERTILIZING	705

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SHA TRACKING NO. 21-AP-MO-003-21 LN-02



PROFESSIONAL CERTIFICATION:
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 LICENSE NO: 3199 EXPIRATION DATE: 05/07/2023



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

SEE TITLE SHEET FOR SIGNATURES
 Chief, Design Section _____ Date _____
 APPROVED

SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering _____ Date _____

Designed by : _____ Drawn by : _____ Checked by : _____

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS
 LANDSCAPE NOTES & DETAILS

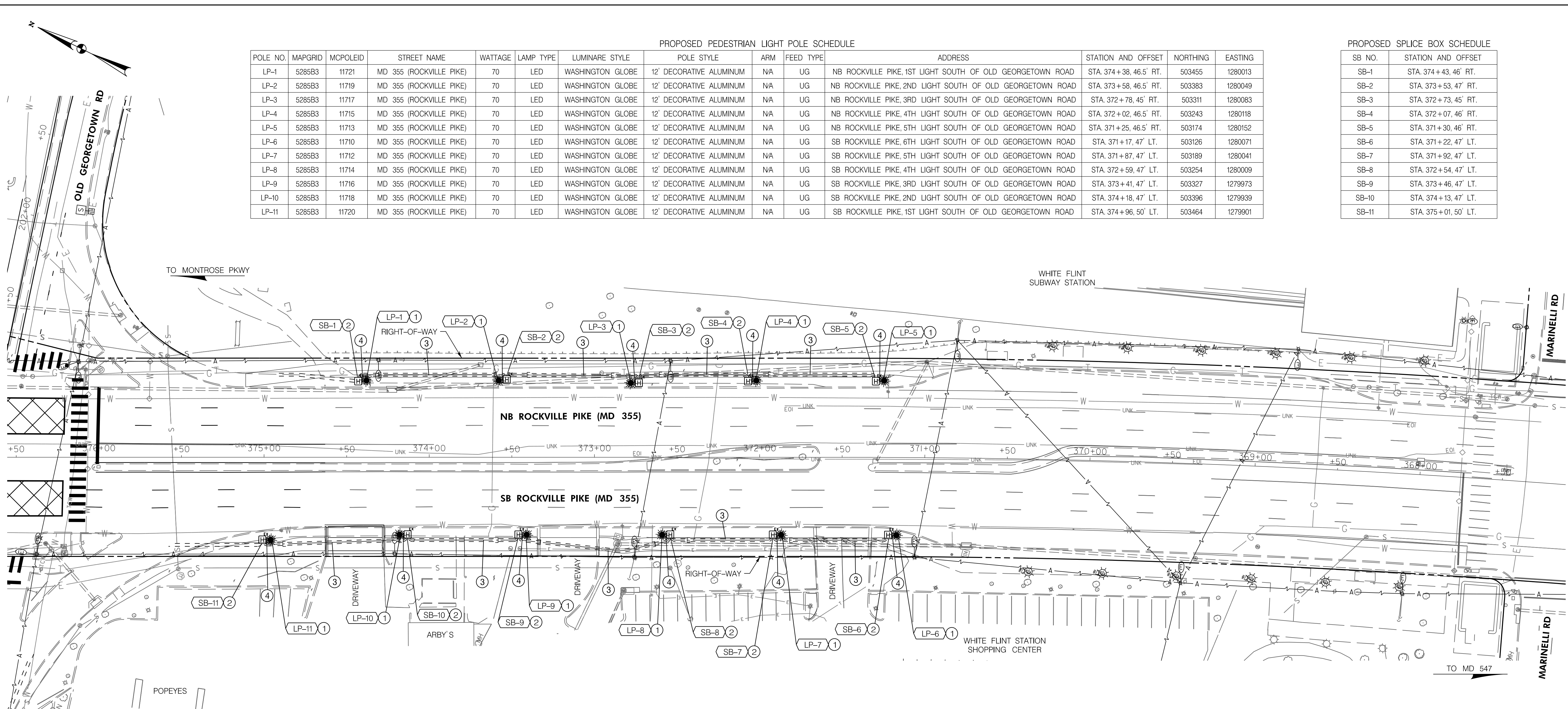
SCALE : 1" = 30' DATE : NOV 2021
 Project No. : 502106 SHEET 09 of 28

PROPOSED PEDESTRIAN LIGHT POLE SCHEDULE

POLE NO.	MAPGRID	MCPoleID	STREET NAME	WATTAGE	LAMP TYPE	LUMINAIRE STYLE	POLE STYLE	ARM	FEED TYPE	ADDRESS	STATION AND OFFSET	NORTHING	EASTING
LP-1	5285B3	11721	MD 355 (ROCKVILLE PIKE)	70	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	NA	UG	NB ROCKVILLE PIKE, 1ST LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 374+38, 46.5' RT.	503455	1280013
LP-2	5285B3	11719	MD 355 (ROCKVILLE PIKE)	70	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	NA	UG	NB ROCKVILLE PIKE, 2ND LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 373+58, 46.5' RT.	503383	1280049
LP-3	5285B3	11717	MD 355 (ROCKVILLE PIKE)	70	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	NA	UG	NB ROCKVILLE PIKE, 3RD LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 372+78, 45' RT.	503311	1280083
LP-4	5285B3	11715	MD 355 (ROCKVILLE PIKE)	70	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	NA	UG	NB ROCKVILLE PIKE, 4TH LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 372+02, 46.5' RT.	503243	1280118
LP-5	5285B3	11713	MD 355 (ROCKVILLE PIKE)	70	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	NA	UG	NB ROCKVILLE PIKE, 5TH LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 371+25, 46.5' RT.	503174	1280152
LP-6	5285B3	11710	MD 355 (ROCKVILLE PIKE)	70	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	NA	UG	SB ROCKVILLE PIKE, 6TH LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 371+17, 47' LT.	503126	1280071
LP-7	5285B3	11712	MD 355 (ROCKVILLE PIKE)	70	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	NA	UG	SB ROCKVILLE PIKE, 5TH LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 371+87, 47' LT.	503189	1280041
LP-8	5285B3	11714	MD 355 (ROCKVILLE PIKE)	70	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	NA	UG	SB ROCKVILLE PIKE, 4TH LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 372+59, 47' LT.	503254	1280009
LP-9	5285B3	11716	MD 355 (ROCKVILLE PIKE)	70	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	NA	UG	SB ROCKVILLE PIKE, 3RD LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 373+41, 47' LT.	503327	1279973
LP-10	5285B3	11718	MD 355 (ROCKVILLE PIKE)	70	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	NA	UG	SB ROCKVILLE PIKE, 2ND LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 374+18, 47' LT.	503396	1279939
LP-11	5285B3	11720	MD 355 (ROCKVILLE PIKE)	70	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	NA	UG	SB ROCKVILLE PIKE, 1ST LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 374+96, 50' LT.	503464	1279901

PROPOSED SPLICE BOX SCHEDULE

SB NO.	STATION AND OFFSET
SB-1	STA. 374+43, 46' RT.
SB-2	STA. 373+53, 47' RT.
SB-3	STA. 372+73, 45' RT.
SB-4	STA. 372+07, 46' RT.
SB-5	STA. 371+30, 46' RT.
SB-6	STA. 371+22, 47' LT.
SB-7	STA. 371+92, 47' LT.
SB-8	STA. 372+54, 47' LT.
SB-9	STA. 373+46, 47' LT.
SB-10	STA. 374+13, 47' LT.
SB-11	STA. 375+01, 50' LT.



CONSTRUCTION DETAILS

- ① FURNISH AND INSTALL CONCRETE FOUNDATION, 12-FOOT DECORATIVE RESIDENTIAL LAMP POST WITH 70 WATT LED DECORATIVE WASHINGTON GLOBE STYLE LUMINAIRE, LAMP, PHOTOCELL AND GROUND ROD. (SEE DETAILS ON LT-02).
- ② FURNISH AND INSTALL (13 IN. X 24 IN. X 24 IN.) POLYMER CONCRETE SPLICE BOX. (SEE DETAIL ON LT-02).
- ③ FURNISH AND INSTALL (2-WAY) 4 IN. SCHEDULE 40 PVC RIGID ELECTRICAL CONDUIT - TRENCHED. (SEE DETAIL ON LT-02).
- ④ FURNISH AND INSTALL 2 IN. SCHEDULE 40 PVC RIGID ELECTRICAL CONDUIT - TRENCHED.

GENERAL NOTES

- 1. STREET LIGHT BASES AND LOCATIONS TO BE APPROVED BY MONTGOMERY COUNTY.
- 2. ALL MATERIALS USED ARE TO CONFORM TO PEPCO SPECIFICATIONS.
- 3. DAMAGE TO ANY UTILITIES OCCURRED BY THE CONTRACTOR DURING THE INSTALLATION OF LIGHTING FACILITIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- 4. THE CONTRACTOR SHALL COMPLY WITH THE LATEST NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL ELECTRICAL SAFETY CODE (NESC) AND ALL LOCAL CODES AND REGULATIONS.
- 5. ALL MATERIAL, ELECTRICAL DEVICES AND EQUIPMENT PROVIDED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AND SHALL BE UL APPROVED AND LABELED UNLESS OTHERWISE SPECIFIED.
- 6. ALL CONDUIT INSTALLATIONS UNDER SIDEWALKS SHALL BE DONE PRIOR TO THE INSTALLATION OF THE NEW SIDEWALKS.
- 7. THE CONTRACTOR SHALL FURNISH AND INSTALL A POLYMER CONCRETE SPLICE BOX ADJACENT TO EACH STREETLIGHT (LOCATION AND SIZE AS SHOWN ON PLANS). SPLICE BOXES SHALL BE INSTALLED PARALLEL TO THE PATHWAY. THE SPLICE BOXES SHALL BE AS APPROVED BY PEPCO.

GEOMETRICS LEGEND	
— — — — —	PROPOSED GEOMETRY
— — — — —	EXISTING GEOMETRY
UTILITY LEGEND	
— T — — — — —	TELEPHONE CABLES
— W — — — — —	WATER MAIN
— A — — — — —	AERIAL CABLES
— G — — — — —	GAS MAIN
— E — — — — —	ELECTRIC CABLES
— SS — — — — —	SEWER MAIN
SYMBOL LEGEND	
— — — — —	SCHEDULE 40 PVC RIGID ELECTRICAL CONDUIT (REFER TO CONSTRUCTION DETAILS FOR SIZE)
☀	PROPOSED DECORATIVE STREET LIGHT POLE AND LUMINAIRE
☐	PROPOSED SPLICE BOX
☉	EXISTING STREET LIGHT TO REMAIN
☉	EXISTING UTILITY COMPANY LEASED LIGHT TO REMAIN
☉	EXISTING DECORATIVE STREET LIGHT TO REMAIN
SB-#	PROP. SPLICE BOX ID NO.
LP-#	PROP. LIGHT POLE ID NO.

Mead & Hunt, Inc.
 7055 SAMUEL MORSE DRIVE
 SUITE 100
 COLUMBIA, MD 21046
 (443) 741-3500
 WWW.MEADHUNT.COM

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.: 27451 EXPIRATION DATE: 1/23/2022



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

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering
 Designed by: _____ Drawn by: _____ Checked by: _____

MDOT TEDD APPROVALS
 Chris Strain 2/18/2022
 Dean Randolph 2/28/2022
 Lili Liang 3/1/2022
 Cedric Ward 3/15/2022

SHA TRACKING NO. 21-AP-MO-003-21 LT-01

WHITE FLINT METRO STATION
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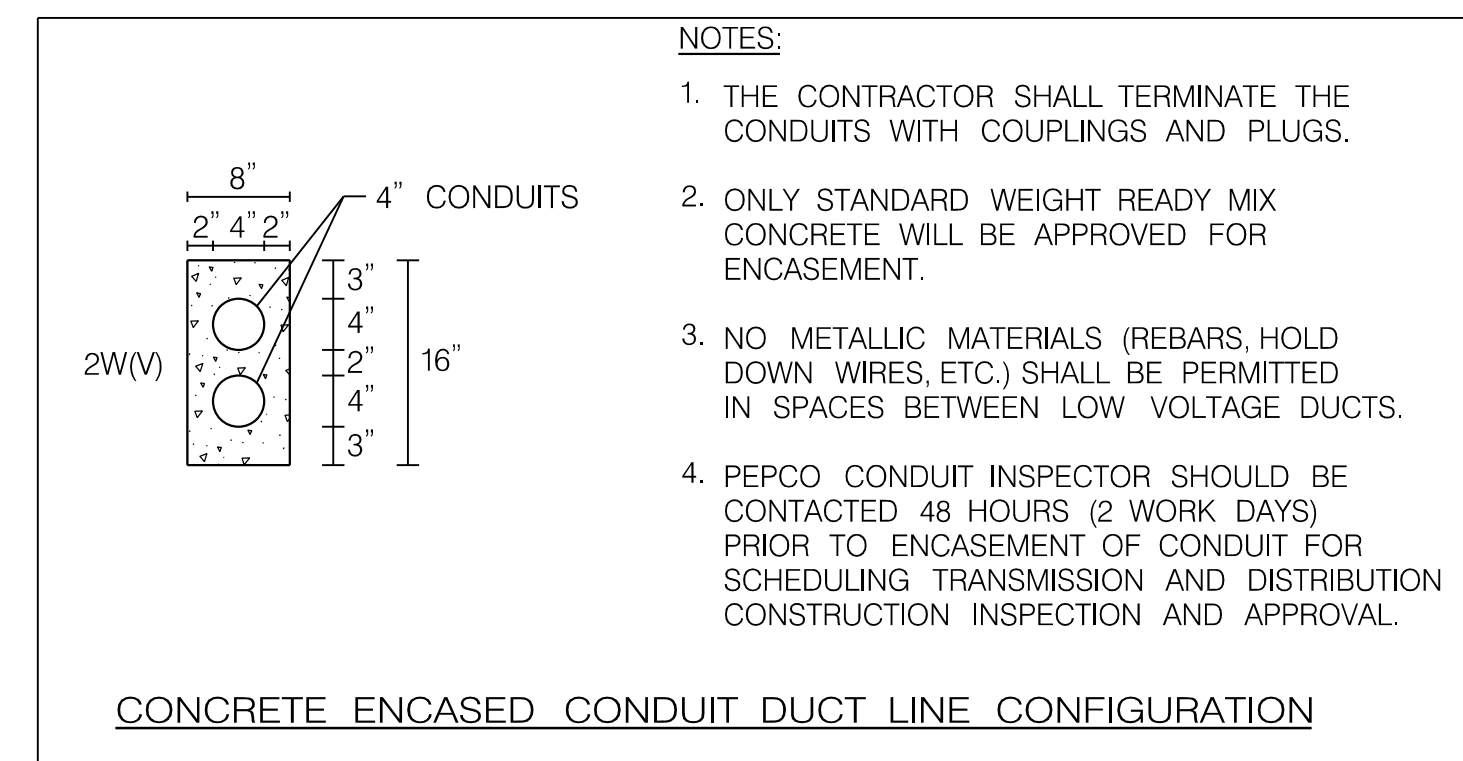
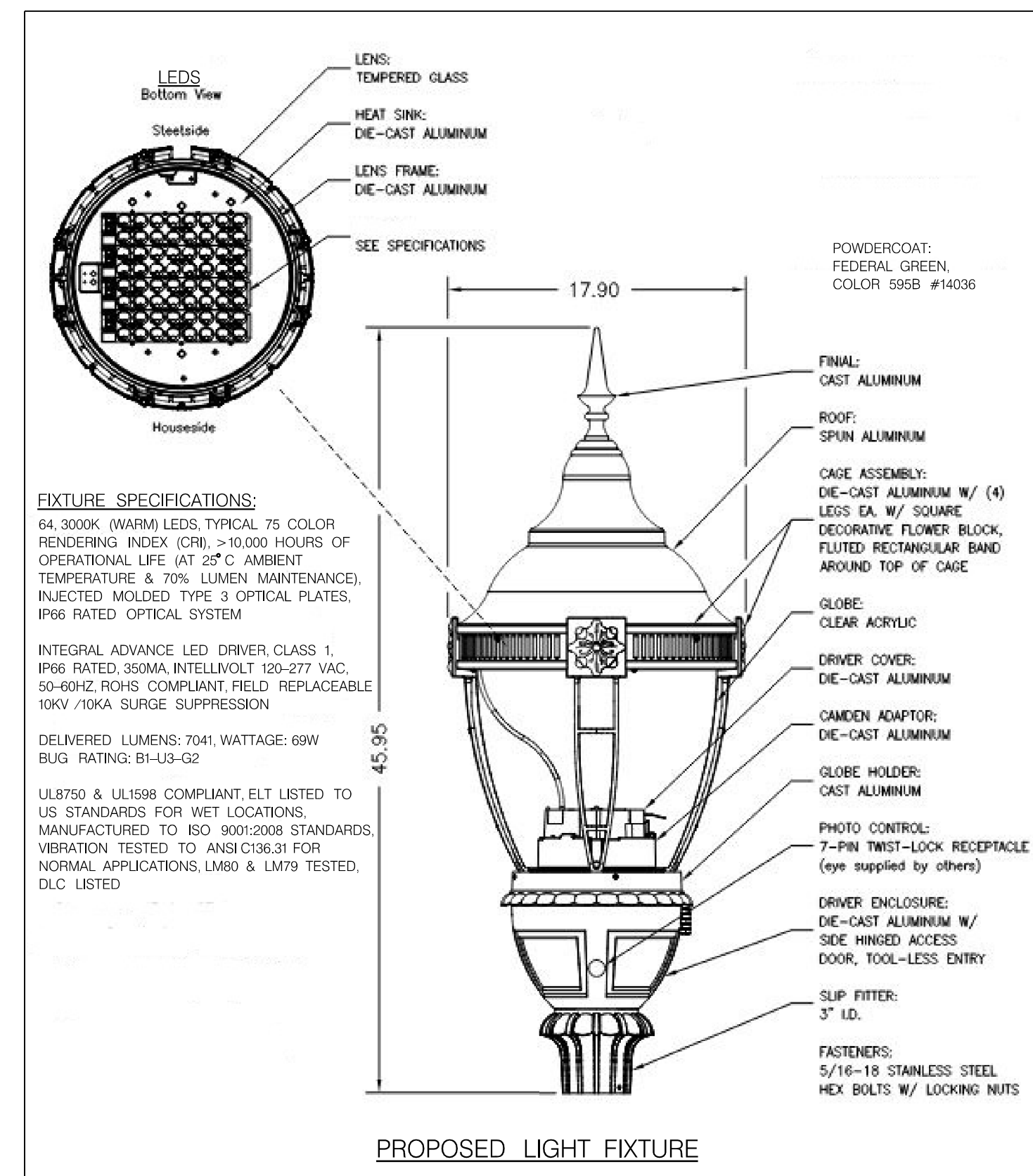
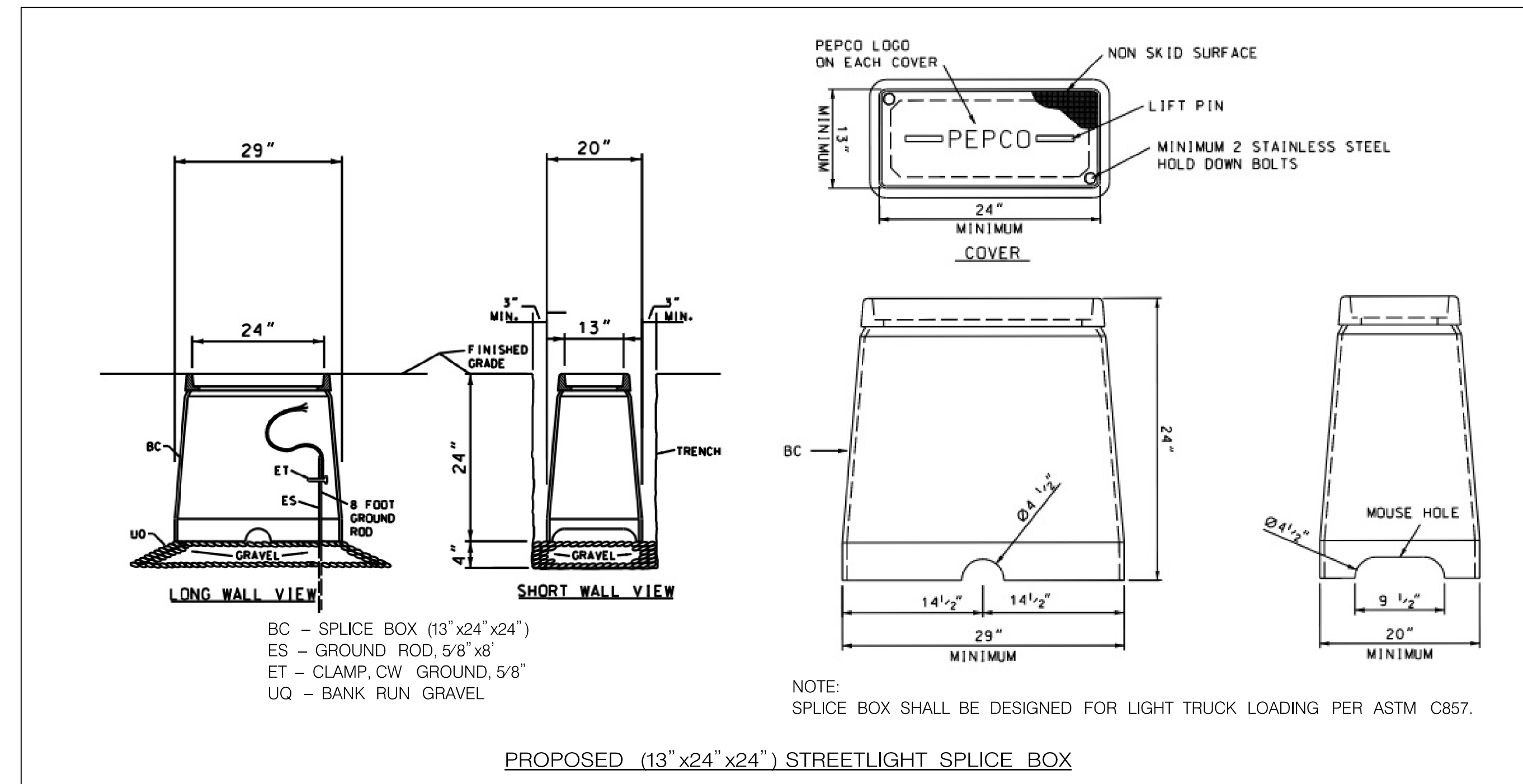
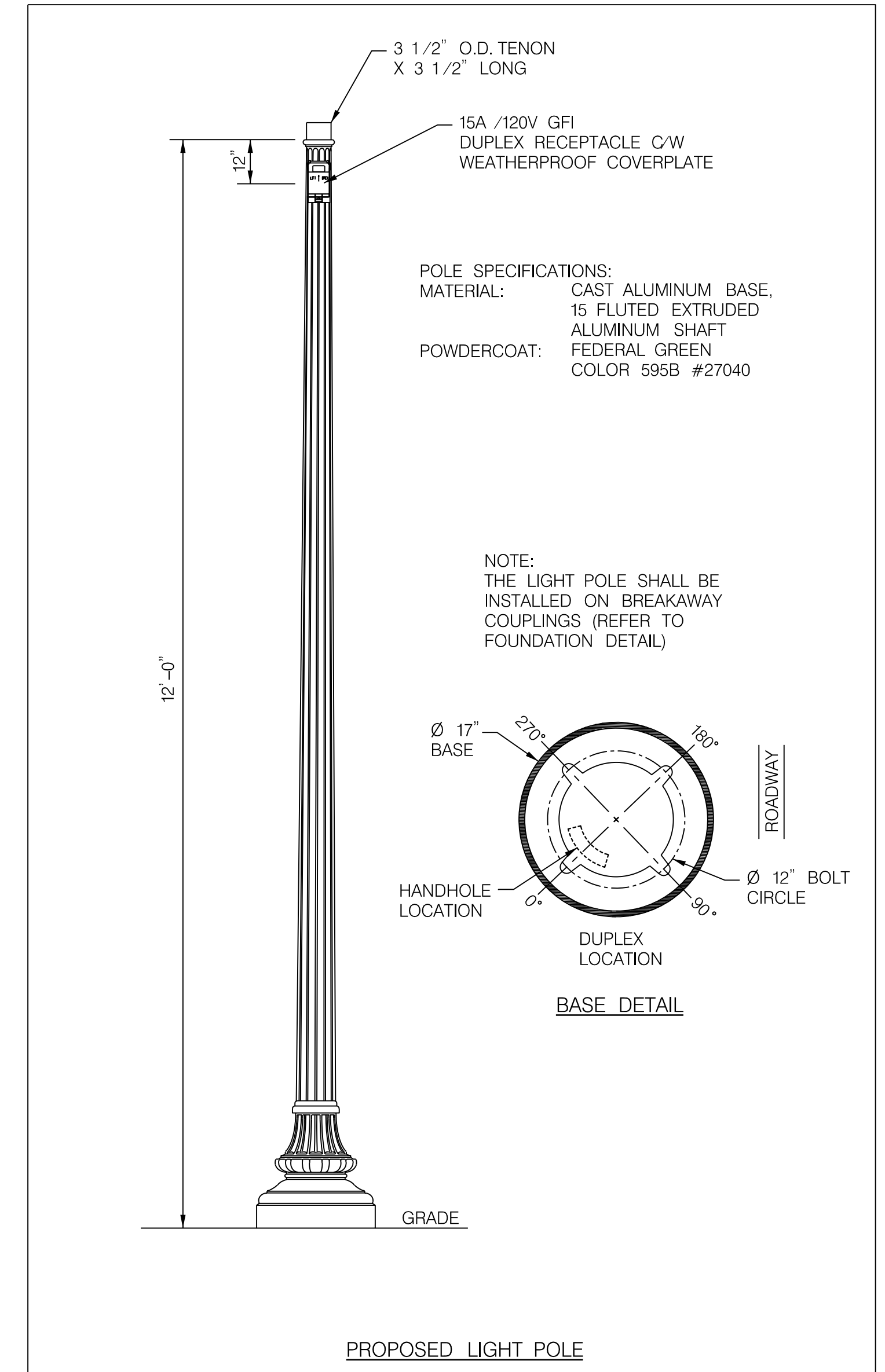
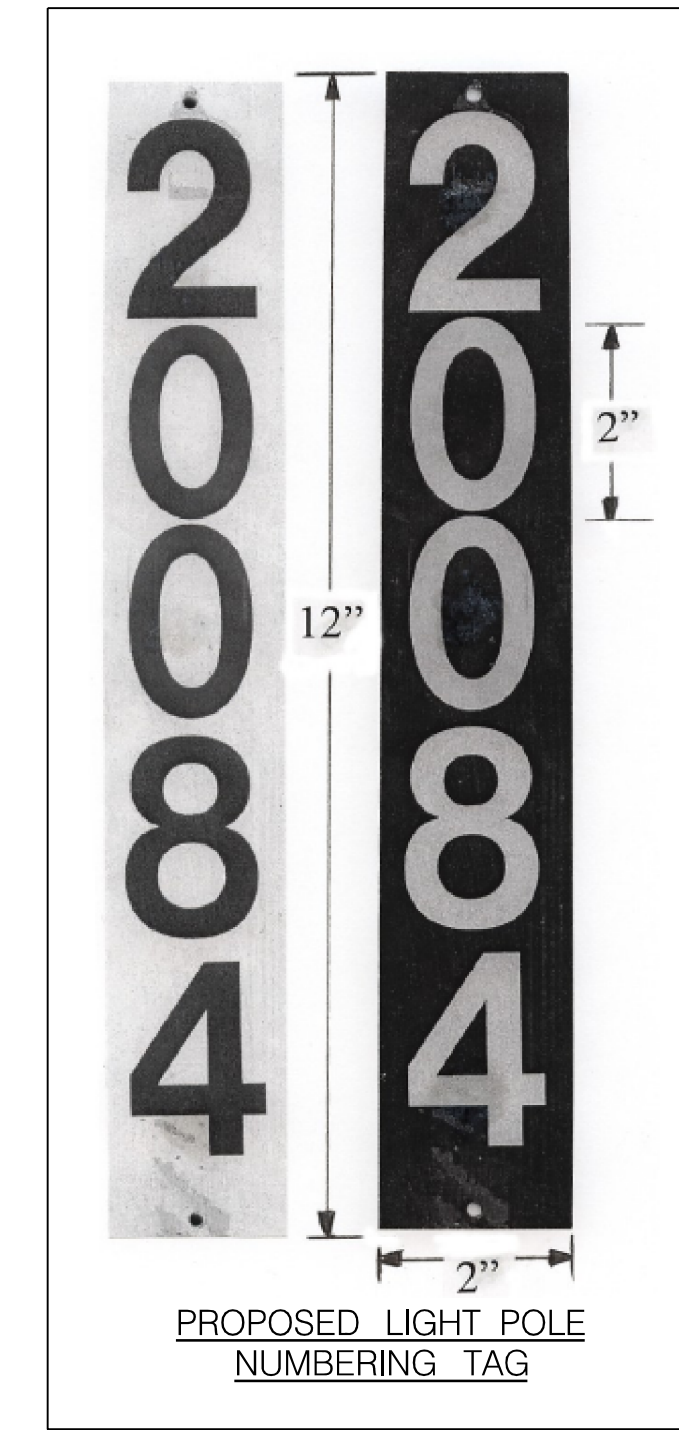
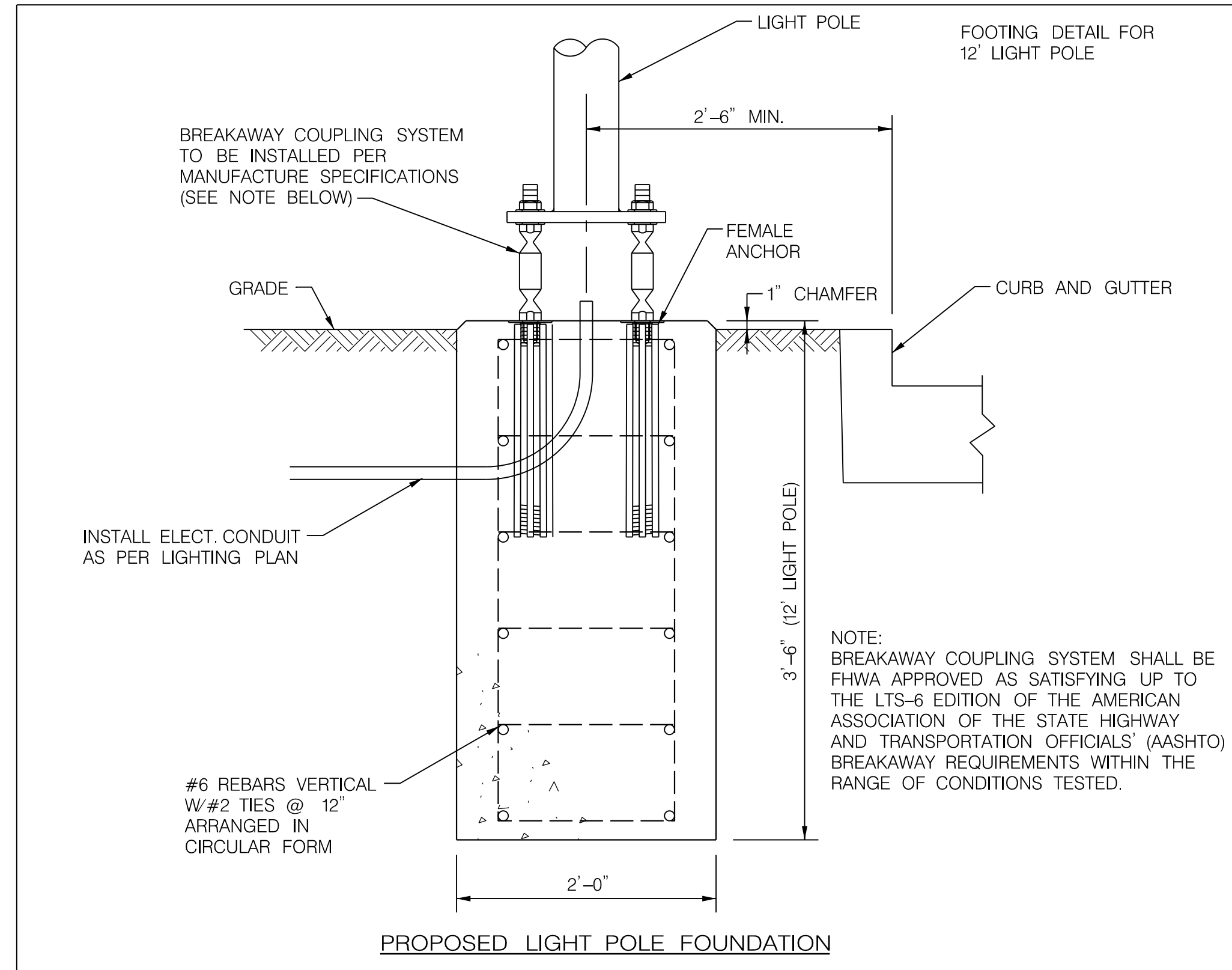
LIGHTING PLAN

SCALE : 1" = 30' DATE : SEPT 2021
 Project No. : 502106 SHEET 10 of 28

12/17/2021 X:\4664226\202088.01\TECH\CAD\Drawings\Lighting\Phase 1\PLT-POOL-WFMetro - Phase 1.dgn

STREETLIGHT CONDUIT INSTALLATION CHECKLIST

- 2-WAY FOUR INCH (4"), SCHEDULE 40, PVC CONDUIT TO BE INSTALLED BY THE CONTRACTOR CONNECTING EACH SPLICEBOX IN A CONTINUOUS RUN.
- TWO INCH (2"), SCHEDULE 40, PVC CONDUIT TO BE INSTALLED BY THE CONTRACTOR CONNECTING THE SPLICEBOX TO THE STREET LIGHT FOOTING.
- CONTRACTOR TO PROVIDE AND INSTALL PHOTOCELLS FOR EACH STREET LIGHT LUMINAIRE.
- STREETLIGHT AND POST ERECTED BY THE CONTRACTOR ARE TO BE WIRED WITH #10 AWG (MIN.) COPPER WITH A THREE FOOT MINIMUM LOOP OF SLACK IN THE SPLICEBOX FOR ATTACHMENT BY PEPCO.
- STREETLIGHT POSTS ARE TO HAVE A GROUNDING LUG ATTACHED TO THE BASE OF THE POST WITH A MINIMUM THREE FOOT LOOP OF SLACK IN THE SPLICEBOX OF #6 AWG BARE COPPER WIRE ATTACHED.
- ALL SWEEPBENDS TO BE MINIMUM OF 24 INCHES RADIUS.
- 14" NYLON PULL-LINES IS TO BE INSTALLED IN EACH CONDUIT DUCT.
- CONTRACTOR TO INSTALL MARKING TAPE ONE FOOT (1") ABOVE EACH CONDUIT RUN.
- NO MORE THAN 180 DEGREES OF BENDS IN A CONDUIT RUN.
- CONDUIT IS TO HAVE THREE (3) FEET (MINIMUM) OF COVER OVER IT.
- INSTALLATION OF ALL UNDERGROUND LIGHTING FACILITIES ARE ALSO SUBJECT TO PEPCO INSPECTION AND WRITTEN APPROVAL BEFORE CONCEALMENT. FAILURE TO OBTAIN SUCH INSPECTION WILL RESULT IN THE UNCOVERING OF FACILITIES AT THE CONTRACTOR'S EXPENSE. CALL (202) 388-2137 7:00 TO 9:00 AM OR 3:00 TO 4:00 PM TWO WORKING DAYS IN ADVANCE TO ARRANGE INSPECTION.
- ALL STREETLIGHT EQUIPMENT AND MATERIALS SHALL BE SUBMITTED TO MONTGOMERY COUNTY FOR APPROVAL PRIOR TO BEING INSTALLED ON THE PROJECT. SEE SPECIAL PROVISIONS FOR STREETLIGHT SPECIFICATIONS.
- ALL STREETLIGHTS SHALL BE INSTALLED 2'-6" BEHIND THE FACE OF THE CURB (EXCEPT AS NOTED ON PLANS).
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS / CATALOG CUTS FOR ALL LIGHTING EQUIPMENT TO MONTGOMERY COUNTY TRAFFIC OPERATIONS DIVISION FOR APPROVAL PRIOR TO INSTALLATION.



- NOTES:**
- THE CONTRACTOR SHALL TERMINATE THE CONDUITS WITH COUPLINGS AND PLUGS.
 - ONLY STANDARD WEIGHT READY MIX CONCRETE WILL BE APPROVED FOR ENCASEMENT.
 - NO METALLIC MATERIALS (REBARS, HOLD DOWN WIRES, ETC.) SHALL BE PERMITTED IN SPACES BETWEEN LOW VOLTAGE DUCTS.
 - PEPCO CONDUIT INSPECTOR SHOULD BE CONTACTED 48 HOURS (2 WORK DAYS) PRIOR TO ENCASEMENT OF CONDUIT FOR SCHEDULING TRANSMISSION AND DISTRIBUTION CONSTRUCTION INSPECTION AND APPROVAL.

Mead & Hunt
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 7055 SAMUEL MORSE DRIVE
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MDOT TEDD APPROVALS

Chris Strain 2/18/2022
 TEAM LEADER

Dean Randolph 2/28/2022
 ASST. DIR. CHIEF

Lili Liang 3/1/2022
 DIVISION CHIEF

Cedric Ward 3/18/22
 OFFICE DIRECTOR

SHA TRACKING NO. 21-AP-MO-003-21 LT-02

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

LIGHTING NOTES AND DETAILS

SCALE : NONE DATE : SEPT 2021

Project No. : 502106 SHEET 11 of 28

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TEMPORARY TRAFFIC CONTROL REQUIREMENTS

1. THE PERMITTEE SHALL REFER TO THE ATTACHED TEMPORARY TRAFFIC CONTROL PLAN (TTCP) DRAWINGS. WORK ZONE SITUATIONS WHICH ARE NOT ADDRESSED IN THE ATTACHED TTCP SHALL CONFORM TO THE GUIDELINES SET FORTH IN SECTION 6 OF THE 2011 "MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MDMUTCD), MOST RECENT EDITION.
2. THE PERMITTEE MUST HAVE A CERTIFIED TRAFFIC CONTROL MANAGER ON SITE DURING ALL PHASES OF INSPECTION AND CONSTRUCTION AT ALL TIMES.
3. EACH PHASE OF INSPECTION AND CONSTRUCTION, INCLUDING THE FOLLOW UP RESTORATION OPERATIONS, SHALL BE PROVIDED WITH APPROPRIATE WORK ZONE TRAFFIC CONTROLS.
4. ANY WORK WITHIN THE TRAVELED PORTION OF ROADWAYS SHALL BE RESTRICTED TO THE HOURS LISTED IN THE SPECIFICATIONS, MONDAY THROUGH FRIDAY. WORK ON HOLIDAYS AND WEEKENDS SHALL NOT OCCUR UNLESS AN EXEMPTION IS GRANTED IN WRITING BY THE COUNTY'S INSPECTOR.
5. CONSTRUCTION ACTIVITY, LOADING OR UNLOADING OF EQUIPMENT SHALL NOT BLOCK ANY TRAFFIC LANE OTHER THAN THOSE DELINEATED WITHIN THE WORK ZONE.
6. EXCLUSIVE OF EMERGENCY WORK, THE PERMITTEE SHALL CONTACT OCCUPANTS OF ALL ADJOINING PROPERTIES AND INFORM THEM OF THE SCOPE AND THE TIMING OF CONSTRUCTION. A MINIMUM OF 24 HOURS NOTIFICATION SHALL BE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY ACTIVITY ON THE SITE.
7. ACCESS SHALL BE MAINTAINED TO ALL DRIVEWAYS UNLESS PERMISSION FOR CLOSURE IS GRANTED BY THE PROPERTY OWNER/MANAGER. HOWEVER, ACCESSIBILITY FOR EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.
8. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT EDITION OF THE 2011 MDMUTCD. ALL SIGNS, TRAFFIC DRUMS AND CONES SHALL BE FULLY REFLECTORIZED WITH HIGH INTENSITY, REFLECTIVE SHEETING AS PER THE MUTCD. TEMPORARY SIGNS SHALL BE FLUORESCENT ORANGE.
9. ALL WARNING SIGNS, UNLESS OTHERWISE SPECIFIED, SHALL BE A MINIMUM OF 48" X 48", BLACK SYMBOL OR LEGEND ON FLUORESCENT ORANGE BACKGROUND AND DIAMOND SHAPED. ALL WARNING SIGNS NOT APPLICABLE TO THE ACTUAL SITUATION SHALL BE REMOVED OR COVERED DURING NON-APPLICABLE PERIODS. ALL PORTABLE SIGNS SHALL BE MOUNTED A MINIMUM OF ONE (1) FOOT ABOVE THE LEVEL OF THE ROADWAY, WITH HIGHER MOUNTING HEIGHTS DESIRABLE.
10. IF ANY TEMPORARY TRAFFIC CONTROL SIGNS ARE TO BE PLACED ALONG A MDT SHA ROADWAY OR WITHIN THE LIMITS OF AN INCORPORATED AREA, THE PERMITTEE SHALL NOTIFY THE APPROPRIATE AGENCY OF SIGNAGE TO BE INSTALLED.
11. DURING NIGHTTIME OPERATIONS REFLECTORIZED TRAFFIC DRUMS SHALL BE USED. HOWEVER, FOR EMERGENCY WORK ACTIVITIES WHERE TRAFFIC DRUMS ARE NOT AVAILABLE, REFLECTORIZED TRAFFIC CONES THAT ARE A MINIMUM OF TWENTY EIGHT (28) INCHES IN HEIGHT AND HAVING SIX (6) INCH AND FOUR (4) INCH REFLECTIVE COLLARS WITHIN THE TOP SIXTEEN (16) INCHES OF THE CONE MAY BE USED. ALL WORK AREAS LEFT UNATTENDED AT NIGHT SHALL BE DELINEATED WITH REFLECTORIZED TRAFFIC DRUMS.
12. THE PERMITEE SHALL OBTAIN A TEMPORARY NOISE WAIVER FROM THE MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION FOR ALL NIGHTTIME CONSTRUCTION ACTIVITIES.

SEQUENCE OF CONSTRUCTION FOR MAINTENANCE OF TRAFFIC PHASE 1

1. INSTALL MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR PHASE 1, (SB MD 355).
2. CONSTRUCT TEMPORARY DRIVEWAY FOR WHITE FLINT STATION SHOPPING CENTER.
3. SHIFT TRAFFIC TO TEMPORARY DRIVEWAY.
4. CONSTRUCT SB MD 355 FROM STA 371+54 TO 370+93.
5. SHIFT TRAFFIC TO NEW DRIVEWAY.
6. CONSTRUCT SOUTHBOUND MD 355 FROM 375+52 TO 371+54.

PHASE 2

1. INSTALL MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR PHASE 2.
2. CONSTRUCT NORTHBOUND MD 355.

INSPECTOR AUTHORITY

1. THE COUNTY'S DEPARTMENT OF PERMITTING SERVICES (DPS) INSPECTOR HAS THE AUTHORITY TO MODIFY THE TTCP AS DEEMED NECESSARY. THE INSPECTOR HAS THE AUTHORITY TO ORDER THE PERMITTEE TO STOP WORK AND VACATE THE PUBLIC RIGHT-OF-WAY IF THE TTCP IS NOT COMPLIED WITH.
2. THE IMPLEMENTATION DATE AND CONTINUANCE OF WORK ACTIVITIES MAY BE ALTERED AT THE DISCRETION OF THE COUNTY'S INSPECTOR IN THE EVENT OF CONFLICTS WITH PREVIOUSLY APPROVED OR EMERGENCY ACTIVITIES.

MISCELLANEOUS

1. THE PERMITTEE WILL BE SOLELY RESPONSIBLE FOR ALL ACCIDENTS AND/OR DAMAGE TO PERSONS AND/OR PROPERTY DAMAGE RESULTING FROM HIS OPERATIONS.
2. HAZARDOUS MATERIALS SHALL NOT BE STORED WITHIN PUBLIC RIGHT-OF-WAY. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON THE ROADWAY SURFACE OR SIDEWALK DURING NON-WORK PERIODS. ALL STORED MATERIALS AND EQUIPMENT SHALL BE SET BACK AT LEAST SIX (6) FEET BEHIND THE CURB ALONG A CLOSED SECTION ROADWAY AND AT LEAST TWELVE (12) FEET FROM THE EDGE OF AN OPEN SECTION ROADWAY.
3. ALL TEMPORARY TRAFFIC CONTROL (TTC) DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TTC DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.
4. AT THE COMPLETION OF WORK ACTIVITIES, CONDITIONS WITHIN THE PUBLIC SPACE SHALL BE FULLY RESTORED TO THOSE THAT EXISTED PRIOR TO THE WORK ACTIVITY.

CONTACT INFORMATION

1. THE CONTRACTOR SHALL ARRANGE AND HOST A PRE-PHASE TRAFFIC SWITCH MEETING AT LEAST TWO WEEKS PRIOR TO SWITCHING TRAFFIC. THE FOLLOWING OFFICES SHALL BE NOTIFIED OF THIS MEETING AND OF THE IMPENDING TRAFFIC SWITCH:

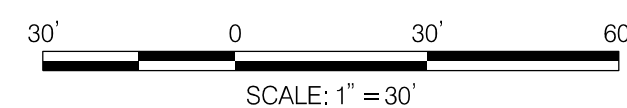
- MONTGOMERY COUNTY DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS AT 240-777-6000
- MONTGOMERY COUNTY TRANSPORTATION SYSTEMS ENGINEERING TEAM AT 240-777-2100
- MONTGOMERY COUNTY TRANSIT AT 240-777-5800
- MONTGOMERY COUNTY PUBLIC SCHOOLS, LOCAL DEPOT MANAGER
- MONTGOMERY COUNTY FIRE AND RESCUE, LOCAL FIRE DEPARTMENT CAPTAIN
- MONTGOMERY COUNTY POLICE, LOCAL TRAFFIC SERGEANT
- MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES, PERMIT INSPECTION SECTION AT 240-777-6300

2. PRIOR TO ROAD CLOSURES, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING OFFICES A MINIMUM OF SEVENTY-TWO (72) HOURS IN ADVANCE:

- MONTGOMERY COUNTY DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS AT 240-777-6000
- MONTGOMERY COUNTY EMERGENCY OPERATIONS CENTER AT 240-777-0751
- MONTGOMERY COUNTY POLICE, LOCAL TRAFFIC SERGEANT
- MONTGOMERY COUNTY TRANSPORTATION MANAGEMENT CENTER AT 240-777-2100
- MONTGOMERY COUNTY FIRE AND RESCUE, LOCAL FIRE DEPARTMENT CAPTAIN
- MONTGOMERY COUNTY PUBLIC SCHOOLS, LOCAL DEPOT MANAGER

3. FIELD ASSISTANCE BY THE MCDOT, DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS IS AVAILABLE UPON REQUEST. CONTACT TRAFFIC ENGINEERING & OPERATIONS SECTION AT 240-777-6000.

9/22/2021 UA 2026213204\700 CADD\701 Sheet\Phase 1\DMT-NO01-WFMetro.dgn



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: 17172 EXPIRATION DATE: 12-12-2022



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

SEE TITLE SHEET FOR SIGNATURES
Chief, Design Section _____ Date _____

APPROVED

SEE TITLE SHEET FOR SIGNATURES
Chief, Division of Transportation Engineering _____ Date _____

Designed by : RJM Drawn by : WH Checked by : _____

SHA TRACKING NO. 21-AP-MO-003-21

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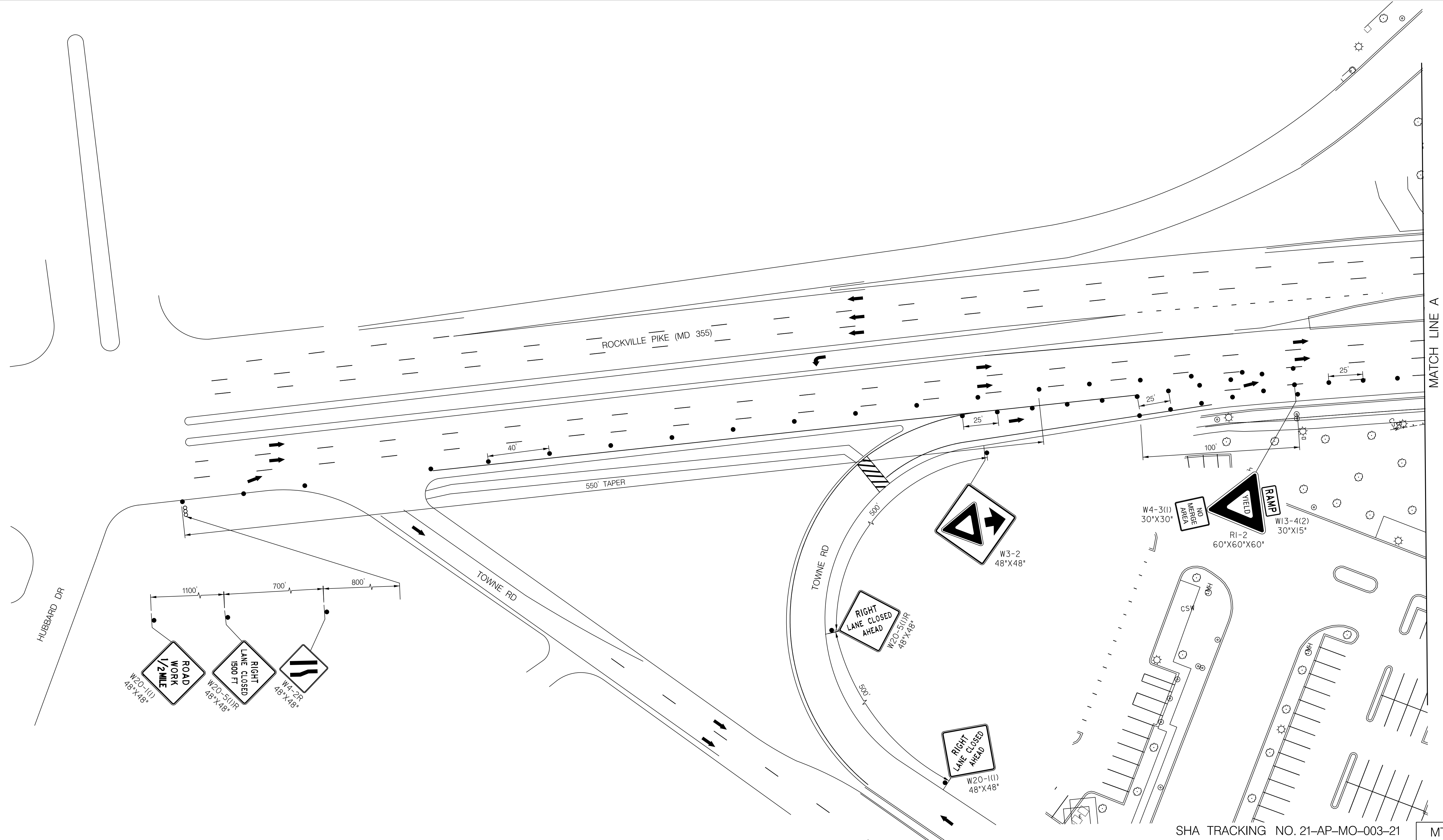
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
GENERAL NOTES

SCALE : 1" = 30' DATE : SEPT 2021

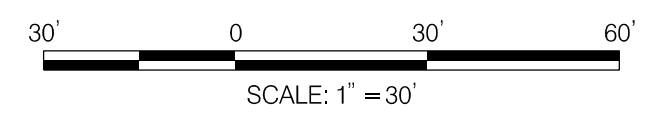
Project No. : 502106 SHEET 12 of 28

9/22/2021 UA\2026213204\700 CADD\701 Sheet\Phase 1\DMT-1001_WFMetro.dgn



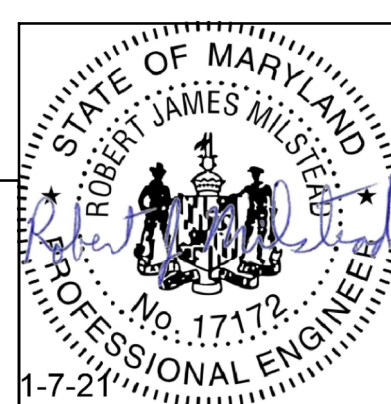
LEGEND

- DRUMS
- SIGN SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▬ WORK SITE
- ↔ ARROW PANEL
- ▬▬ TYPE III BARRICADE



Stantec
6110 FROST PLACE,
LAUREL, MARYLAND 20707
(301) 982-2900
www.stantec.com

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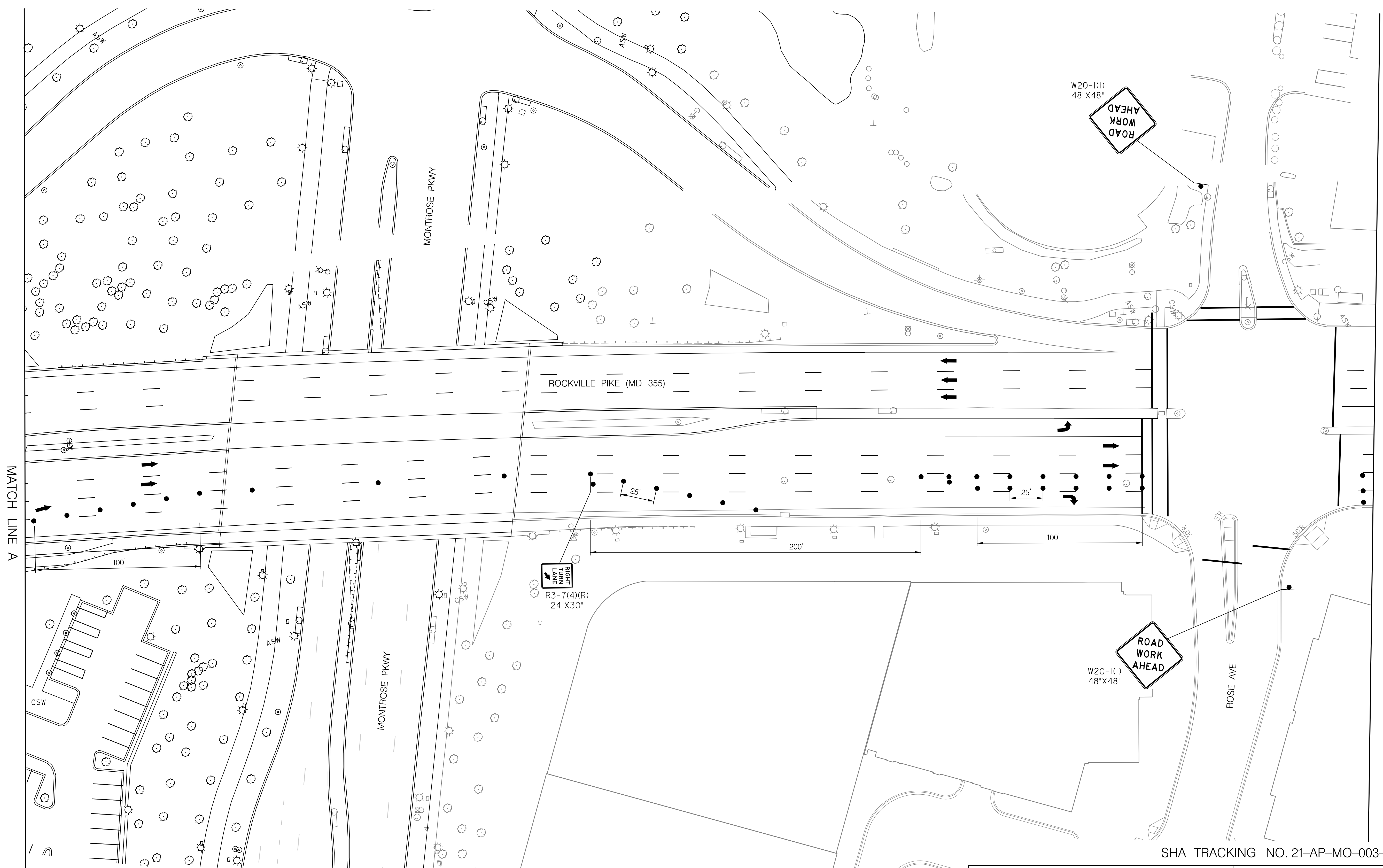
MAINTENANCE OF TRAFFIC PLAN
PHASE 1

SCALE : 1" = 30' DATE : SEPT 2021

Project No. : 502106 SHEET 13 of 28

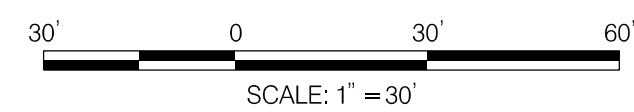
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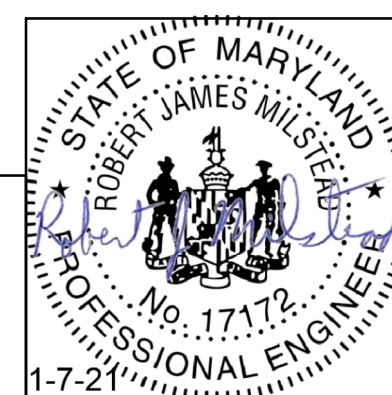


LEGEND

- DRUMS
- SIGN SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▭ WORK SITE
- ∞ ARROW PANEL
- ▬ TYPE III BARRICADE



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 OF MARYLAND.
 LICENSE NO.: 17172 EXPIRATION DATE: 12-12-2022



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 GAITHERSBURG, MARYLAND

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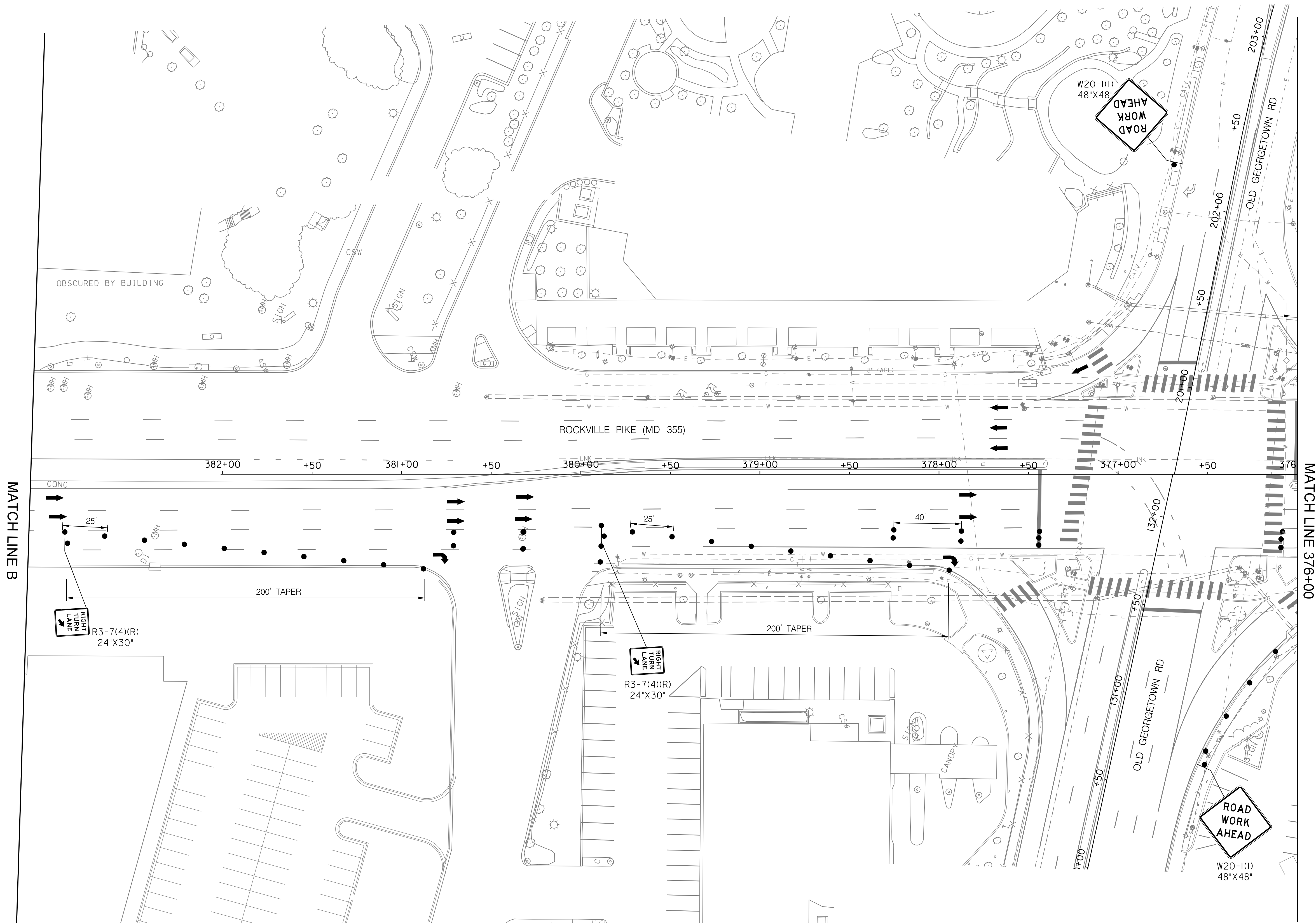
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MAINTENANCE OF TRAFFIC PLAN
 PHASE 1

SCALE : 1" = 30' DATE : SEPT 2021
 Project No. : 502106 SHEET 14 of 28

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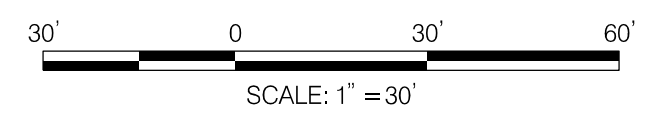


MATCH LINE B

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LEGEND

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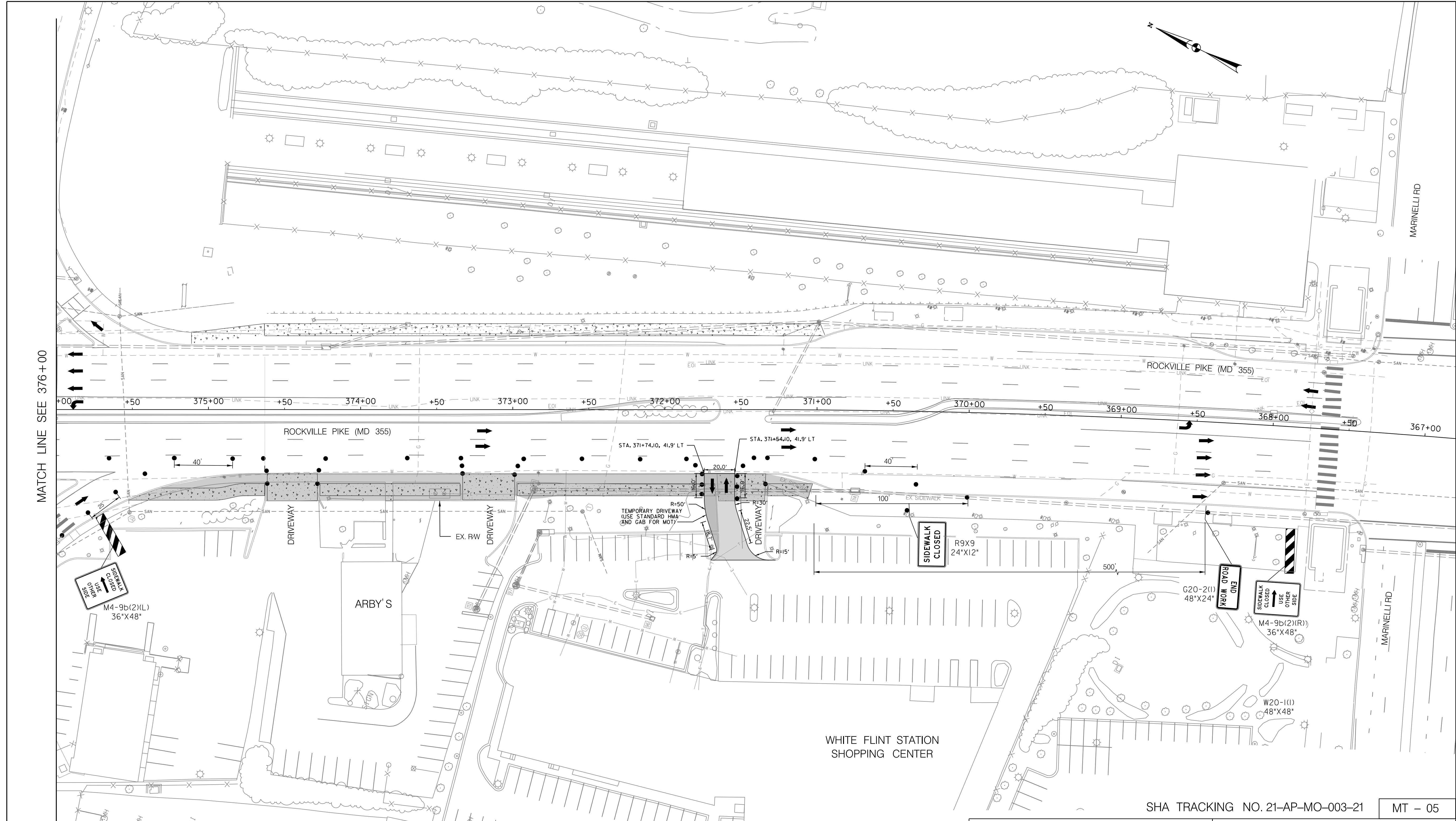
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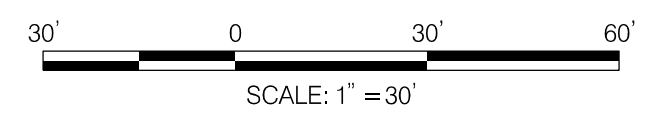
Project No. : 502106 SHEET 15 of 28

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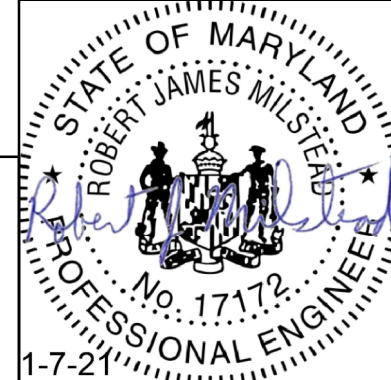
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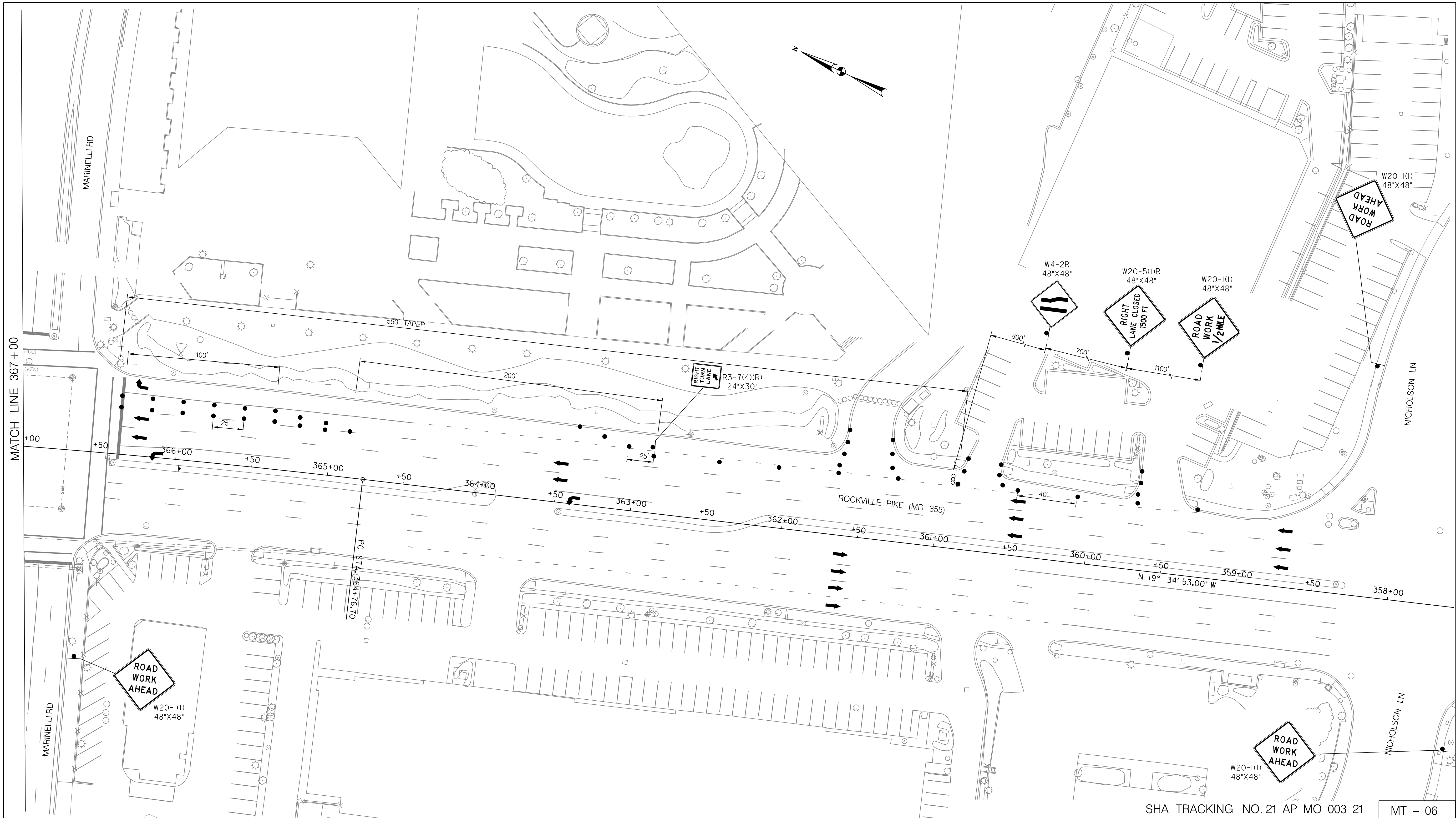
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**MAINTENANCE OF TRAFFIC PLAN
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SCALE : 1" = 30' DATE : SEPT 2021

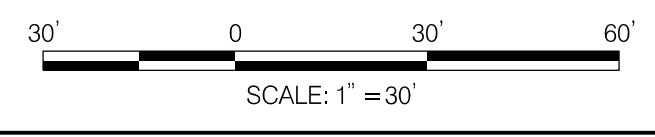
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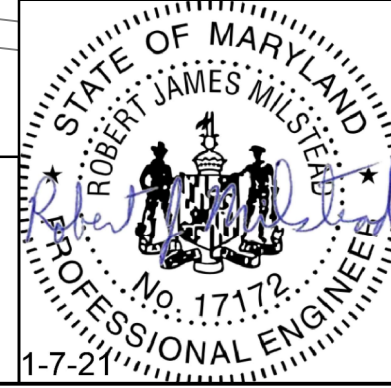
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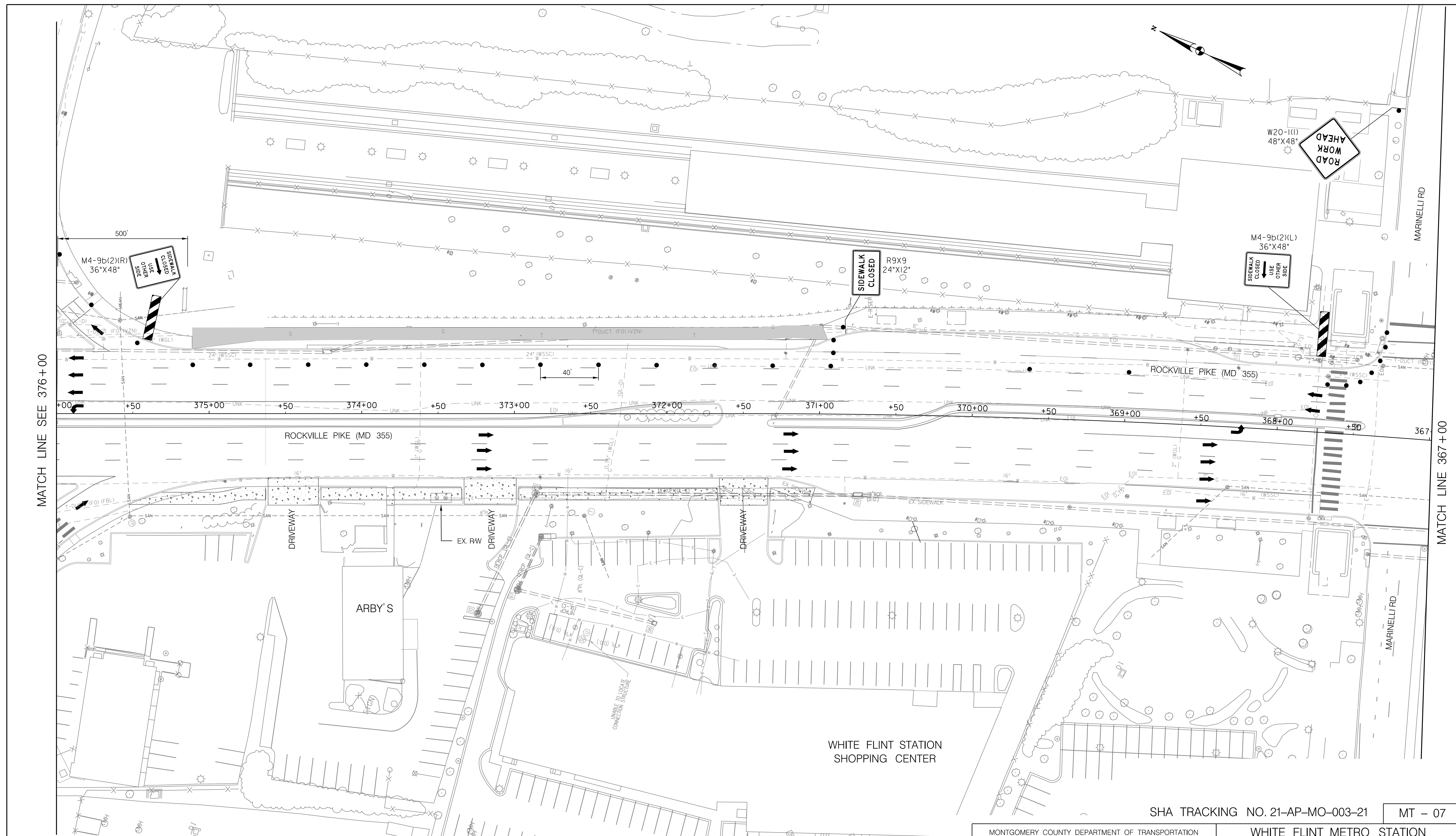
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MAINTENANCE OF TRAFFIC PLAN
 PHASE 2

SCALE : 1" = 30' DATE : SEPT 2021
 Project No. : 502106 SHEET 17 of 28

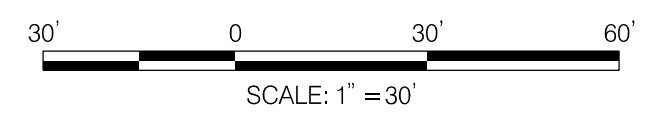
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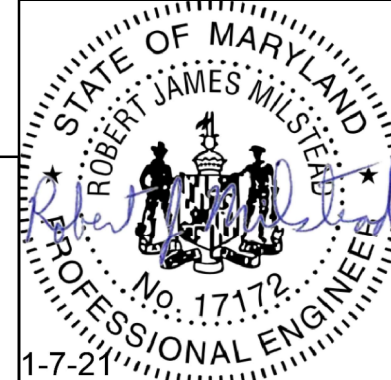
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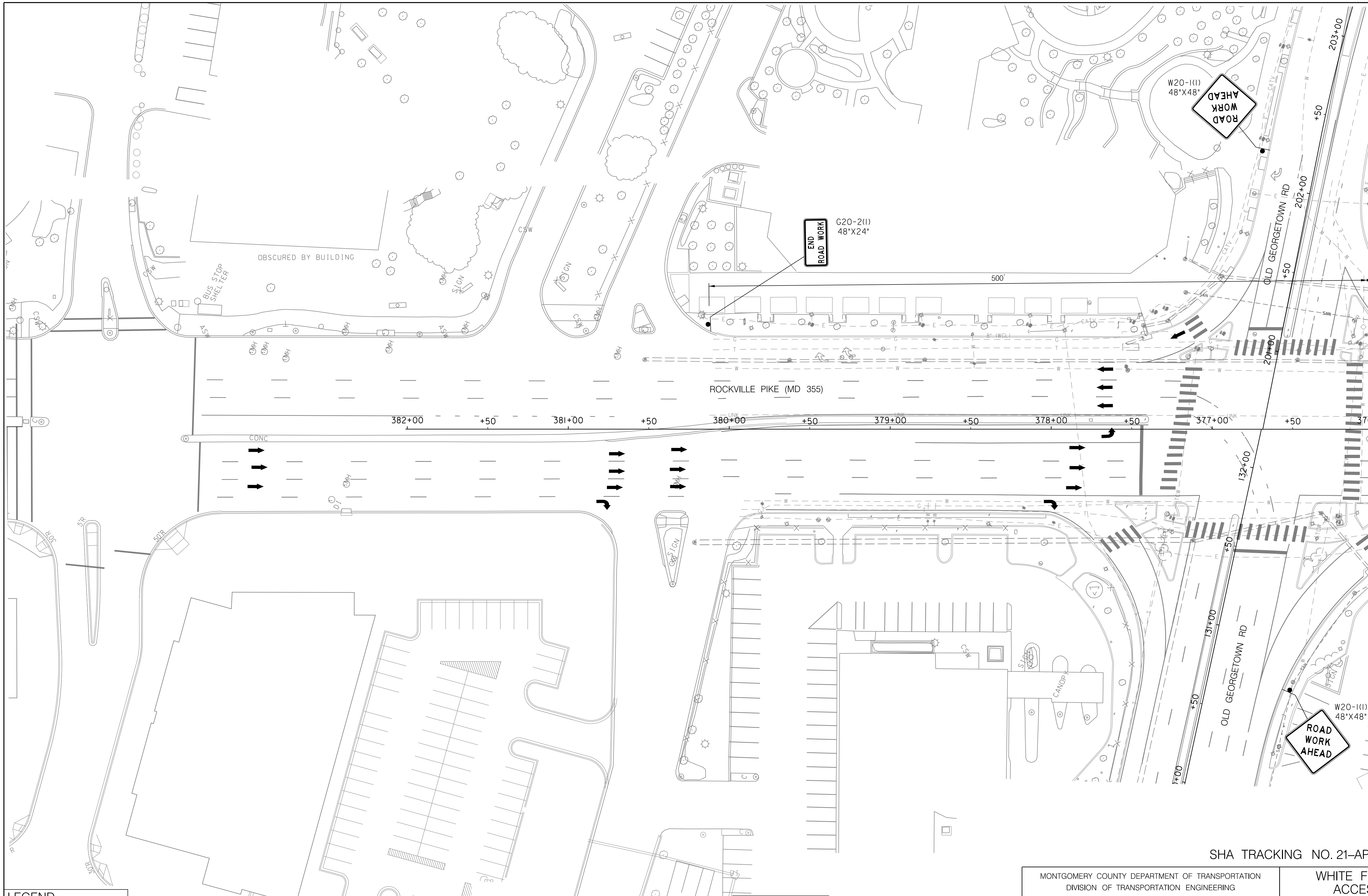
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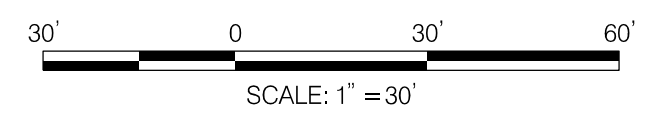


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MAINTENANCE OF TRAFFIC PLAN
 PHASE 2

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CRITERIA

THE CONTRACTOR SHALL BE GOVERNED BY THE STANDARDS AND REQUIREMENTS OF THE FOLLOWING PUBLICATIONS, EXCEPT AS MODIFIED BY THE SPECIAL PROVISIONS OF THIS CONTRACT:

DESIGN

MDOT SHA - "MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", 2011 EDITION AND SUBSEQUENT REVISIONS. (MDMUTCD)

A A S H T O - "HIGHWAY SAFETY DESIGN AND OPERATIONS GUIDE" -1997

A A S H T O - "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS LUMINAIRES AND TRAFFIC SIGNALS", 2001 EDITION (CATEGORY II FOR ALL OVERHEAD AND CANTILEVER SIGN STRUCTURES).

MATERIALS AND CONSTRUCTION

MDOT SHA - "STANDARD SPECIFICATIONS FOR CONSTRUCTION & MATERIALS", MOST CURRENT EDITION AND SUBSEQUENT REVISIONS AND SUPPLEMENTS.

MDOT SHA - "BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES", MOST CURRENT EDITION AND SUBSEQUENT REVISIONS AND SUPPLEMENTS.

DESIGN WIND

- 100 MPH - WOOD SUPPORTS
10 YEAR RECURRENCE INTERVAL
 - 100 MPH - GROUND MOUNT SIGN STEEL SUPPORTS
10 YEAR RECURRENCE INTERVAL
 - 100 MPH - OVERHEAD AND CANTILEVER STRUCTURES
50 YEAR RECURRENCE INTERVAL
- } ALL DISTRICTS

DESIGN STRESS

SOIL BEARING PRESSURE - S = 3,000 P.S.F. (ASSUMED)
SEE MATERIAL & CONSTRUCTION ABOVE AND SPECIAL PROVISIONS FOR DESIGN STRESSES FOR STRUCTURAL STEEL, ALUMINUM, REINFORCING STEEL AND CONCRETE.

CHAMFER

ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" X 3/4" CHAMFER.

CLASSIFICATION OF SIGNS

- SIGNS ARE DIVIDED INTO TWO (2) GENERAL CATEGORIES.
- 1. GUIDE SIGNS
 - A) STRUCTURAL TYPES
 - OH - OVERHEAD
 - C - CANTILEVER
 - GM - GROUND MOUNT, BREAKAWAY OR NON-BREAKWAY
 - BM - BRIDGE MOUNTED
 - B) PANELS
 - MATERIAL - EXTRUDED ALUMINUM COPY - DIRECT APPLIED
 - I) HIGH INTENSITY (NEW SIGNS AND REVISIONS TO EXISTING SIGNS)
 - 2. STANDARD SIGNS (REGULATORY, WARNING, ETC.)
 - A) STRUCTURAL TYPES
 - WOOD SUPPORTS
 - SQUARE TUBE
 - B) PANELS
 - MATERIAL - SHEET ALUMINUM COPY - DIRECT APPLIED

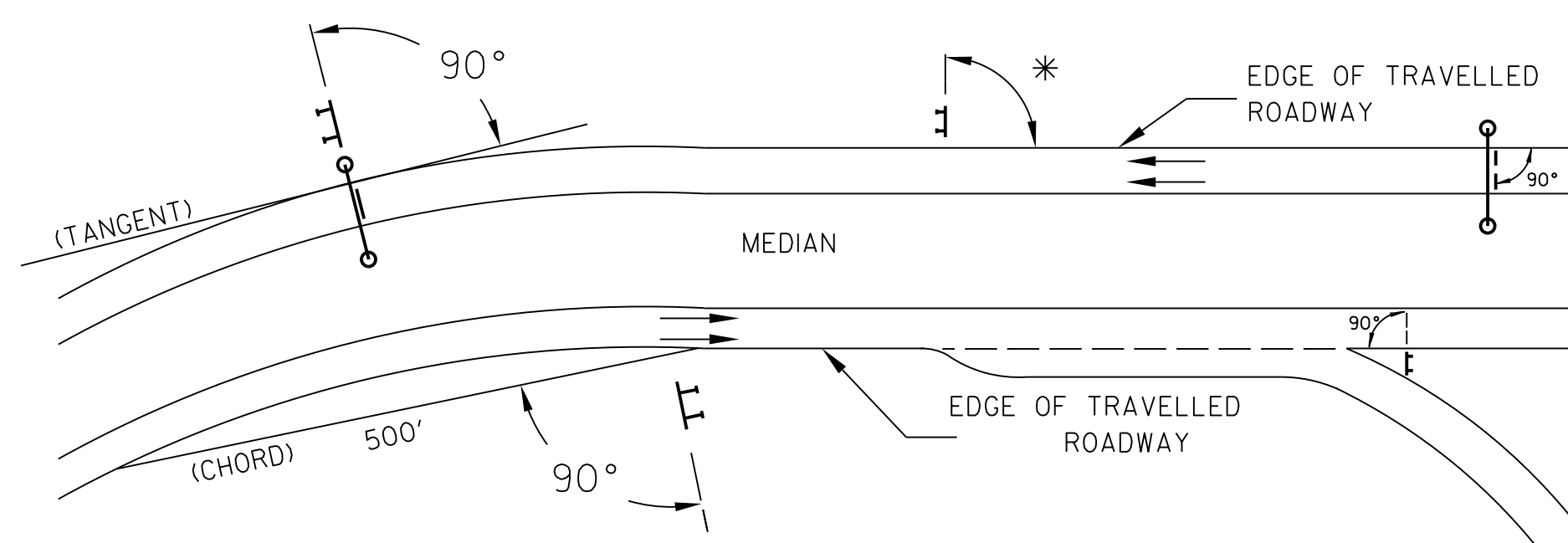
IDENTIFICATION OF SIGNS AND PANELS

- GUIDE SIGNS**
EACH GUIDE SIGN IS IDENTIFIED BY A SIGN NUMBER ON THE PLANS AND IN THE TABULATIONS. (GM-1, GM-2, GM-3, etc)
SIGNS ON STRUCTURES ARE IDENTIFIED WITH A NUMBER AND WHERE VARIATIONS OCCUR, A LOWER CASE LETTER. (OH-1a, OH-1b, OH-1c)
- STANDARD SIGNS**
STANDARD SIGNS ARE IDENTIFIED BY PANEL NUMBERS AND ARE CLASSIFIED AS FOLLOWS
R - REGULATORY
W - WARNING
M - ROUTE MARKERS AND ACCESSORIES
D - DESTINATION AND MILEAGE PANELS
S - SCHOOL
- PANELS SHALL BE DESIGNATED TO AGREE WITH MARYLAND STANDARD SIGN BOOK. EACH STANDARD SIGN IS IDENTIFIED FIRST BY THE SHEET NUMBER, THEN BY THE NUMERICAL ORDER OF THE SIGN AS IT APPEARS ON THE PLAN.
FOR EXAMPLE SHEET SN 2.1-101,102,103, ETC. SHEET SN 2.2-201,202,203,ETC.

PANEL LAYOUT AND ALPHABETS

1. GUIDE SIGN PANEL LAYOUTS ARE BASED ON THE A.A.S.H.T.O. MANUALS NOTED ABOVE.
2. STANDARD SIGN PANEL LAYOUTS ARE BASED ON THE MDMUTCD WITH SPECIFICATIONS DETAILED IN THE MARYLAND STATE HIGHWAY ADMINISTRATION PUBLICATION, "STANDARD SIGN BOOK", AVAILABLE ONLINE AT http://apps.roads.maryland.gov/businesswithsha/bizstdsspecs/desmanualstdpub/publicationsonline/oots/internet_signbook.asp

ORIENTATION OF SIGN FACES



* UNDER 30 FEET FROM TRAVELLED ROADWAY TO NEAR EDGE OF SIGN - 93° AWAY FROM THE ROAD TO AVOID SPECULAR REFLECTION AS INDICATED IN 813.03 OF THE MARYLAND STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS.
OVER 30 FEET FROM TRAVELLED ROADWAY TO NEAR EDGE OF SIGN - 90°

REFLECTORIZATION

BACKGROUNDS, BORDERS, TEXTS AND ALL OTHER ELEMENTS OF SIGN PANELS SHALL BE REFLECTORIZED EXCEPT WHERE NOTED. REFER TO PROJECT REQUIREMENTS FOR MORE DETAIL.

SIGN LOCATIONS

1. GUIDE SIGNS ARE LOCATED ON THE PLANS BY DIMENSION TO SURVEY STATIONS, OR WHEN NECESSARY, TO IDENTIFIABLE PHYSICAL FEATURES.
2. ALL CHANGES IN THE LOCATIONS OF SIGNS AS SHOWN ON THE PLAN SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

EXISTING UTILITIES

THE ENGINEER DOES NOT WARRANT OR GUARANTEE THE ACCURACY OR COMPLETENESS OF UTILITY INFORMATION SHOWN ON THE PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING FACILITIES WHICH MIGHT BE AFFECTED BY THIS WORK OR HIS OPERATION.

ROADSIDE SIGNS

1. VERTICAL ALIGNMENT
POSITION PANEL SO FACE IS PLUMB.
2. HORIZONTAL ALIGNMENT (SEE DIAGRAM ABOVE)
 - A) ON STRAIGHT ROADWAY SECTIONS, ANGLE OF SIGN FACE TO ROADWAY VARIES WITH DISTANCE FROM TRAVELLED ROADWAY TO NEAR EDGE OF SIGN - SEE DIAGRAM.
 - B) ON THE INSIDE OF HORIZONTAL CURVES, POSITION SIGN SO FACE OF PANEL MAKES AN ANGLE OF 90° WITH A CHORD BETWEEN A POINT ON NEAR EDGE OF PAVEMENT AT SIGN LOCATION AND A POINT ON EDGE OF PAVEMENT 500' IN ADVANCE OF SIGN.
 - C) ON THE OUTSIDE OF HORIZONTAL CURVES, POSITION SIGN SO FACE OF PANEL IS AT RIGHT ANGLES TO THE TANGENT OF THE CURVE AT THE SIGN LOCATION.
 - D) POSITIONING OF SIGNS AT GORES AND RAMP SEPARATIONS IS REFERRED TO THE NORMAL EDGE OF THE MAINLINE ROADWAY.

OVERHEAD SIGNS

1. VERTICAL ALIGNMENT
POSITION PANELS FOR ALL OVERHEAD STRUCTURES SO THAT PANEL FACE IS PLUMB.
2. OVERHEAD SIGN STRUCTURES SHALL NOT BE ERECTED WITHOUT ATTACHING LUMINAIRES, SUPPORTS, AND/OR SIGNS.
3. HORIZONTAL ALIGNMENT
 - A) POSITION ALL OVERHEAD SIGNS SO THAT THE FACE OF THE PANEL IS AT RIGHT ANGLES TO THE NORMAL EDGE OF ROADWAY, IF ON A STRAIGHT ROADWAY SECTION.
 - B) POSITION ALL OVERHEAD SIGNS SO THAT THE FACE OF THE PANEL IS AT RIGHT ANGLES TO THE TANGENT OF THE CURVE AT SIGN LOCATION, IF ON A HORIZONTAL CURVE.
 - C) POSITIONING OF SIGNS AT GORES AND RAMP SEPARATIONS IS REFERRED TO THE NORMAL EDGE OF THE MAINLINE ROADWAY.
4. VERTICAL CLEARANCE
 - A) OVERHEAD SIGNS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 17'-9" FROM ROADWAY TO THE BOTTOM OF LIGHT FIXTURES. ALL LIGHT FIXTURES ARE TO BE AT THE SAME ELEVATION.
 - B) IF THE CONTRACTOR CANNOT OBTAIN 17'-9" (SEE 3A) CLEARANCE, HE IS TO CEASE WORK AND CONTACT THE PROJECT ENGINEER FOR FURTHER INSTRUCTIONS. THE PROJECT ENGINEER MAY CONTACT THE TRAFFIC ENGINEERING DESIGN DIVISION FOR ASSISTANCE.
 - C) ON ALL OVERHEAD SIGNS, THE MINIMUM CLEARANCE TO BOTTOM OF DESIGN SIGN: 20'-9".

PROJECT REQUIREMENTS

ALL NEW SIGNS ON THIS PROJECT SHALL BE FABRICATED FROM SHEETING WHICH MEETS ALL OF THE FOLLOWING REQUIREMENTS, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, OR AS DIRECTED BY THE ENGINEER:

1. SHEETING SHALL MEET THE REQUIREMENTS OF SECTIONS 813 AND 950.03 OF MDOT SHA'S STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS 2017 EDITION AND SUBSEQUENT REVISIONS AND SUPPLEMENTS.
2. LISTED ON MDOT SHA OFFICE OF TRAFFIC AND SAFETY'S QUALIFIED PRODUCTS LIST (QPL).

PROJECT REQUIREMENTS CONT'D

3. THE FOLLOWING TYPES OF SHEETING SHALL BE USED FOR THE SPECIFIED SIGN CLASSIFICATIONS:

GENERAL NOTE: ALL COLORS SHALL BE RETROREFLECTIVE EXCEPT BLACK. BLACK TEXT, BORDERS, SYMBOLS OR ANY BLACK ELEMENTS OF ANY SIGN SHALL BE NON-REFLECTIVE. THIS APPLIES TO ALL MDOT SHA SIGNS AS SHOWN BELOW.

A) GUIDE, EXIT GORE, GENERAL INFORMATION, AND SERVICE SIGNS - FALL INTO TWO SUB CATEGORIES:

- (I). GROUND MOUNTED:
ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE IX (9).
- (II). OVERHEAD STRUCTURE SIGNS AND OVERHEAD CANTILEVER SIGNS:
ALL RETROREFLECTIVE SHEETING ELEMENTS OF ALL OVERHEAD SIGNS SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE XI(II). (THIS SECTION DOES NOT APPLY TO OVERHEAD SIGNALIZED INTERSECTION SIGNING; MAST ARM OR SPAN WIRE. FOLLOW THE REQUIREMENTS FOR THE RESPECTIVE SIGN CLASSIFICATION FOR SIGNAL SIGNING.)

B) WARNING SIGNS - RETROREFLECTIVE SHEETING FOR WARNING SIGNS (FLUORESCENT YELLOW AND FLUORESCENT ORANGE) SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE IX (9). REGULATORY MESSAGES WITHIN WARNING SIGNS SHALL FOLLOW THE REQUIREMENTS FOR REGULATORY SIGNS.

C) SCHOOL SIGNS - RETROREFLECTIVE SHEETING FOR SCHOOL SIGNS (FLUORESCENT YELLOW AND FLUORESCENT YELLOW-GREEN) SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE IX (9). REGULATORY MESSAGES WITHIN SCHOOL SIGNS SHALL FOLLOW THE REQUIREMENTS FOR REGULATORY SIGNS.

D) REGULATORY SIGNS - FALL INTO THREE SUBCATEGORIES:

- (I). "RED" REGULATORY SIGNS; (SPECIFICALLY - STOP, YIELD, DO NOT ENTER AND WRONG WAY). ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE IX (9).
- (II). ALL R7 AND R8 SERIES PARKING RELATED SIGNS AND THEIR SUPPLEMENTAL PANELS, NO TRESPASSING SIGNS, AND SIGNS DIRECTED AT PEDESTRIANS AND BICYCLISTS ONLY. ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET THE REQUIREMENTS FOR ASTM TYPE IV (4).
- (III). ALL OTHER REGULATORY SIGNS - ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET ASTM TYPE IV (4) INCLUDING RED ELEMENTS. WARNING MESSAGES WITHIN REGULATORY SIGNS SHALL FOLLOW THE REQUIREMENTS FOR WARNING SIGNS.

E) ROUTE MARKERS (INDEPENDENT USE AND GUIDE SIGN USE)

INDEPENDENT USE: ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET BUT NOT TO EXCEED THE REQUIREMENTS FOR ASTM TYPE IV (4).

GUIDE SIGN USE: WHEN INCORPORATED IN THE BODY OF A GUIDE SIGN, ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET THE SHEETING REQUIREMENTS OF THE GUIDE SIGNS FOR WHICH THEY ARE TO BE APPLIED; GROUND MOUNT ASTM TYPE IX (9) OR OVERHEAD ASTM TYPE XI(II).

F) LOGOS AND / OR GRAPHICS - WITHIN SIGNS SHALL FOLLOW THE REQUIREMENTS FOR THE RESPECTIVE SIGN CLASSIFICATION UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, OR AS DIRECTED BY THE ENGINEER.


G) SPECIFIC SERVICE (LOGO) SIGNING - ALL COPY, DIVIDER BORDERS, LOGOS AND ARROWS SHALL BE DEMOUNTABLE ALUMINUM OVERLAYS, .032 MINIMUM TO .063 MAXIMUM. ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE IX (9). DISTANCES ON DIRECTIONAL ARROWS WHEN SPECIFIED SHALL BE BLACK. THE OVERLAYS ARE TO BE APPLIED WITH .125 ALUMINUM POP RIVETS TO THE BODY OF THE MAIN SIGN.

H) CIVIL DEFENSE SIGNS AND OTHER SIGNS - NOT SPECIFICALLY FALLING INTO ONE OF THE CATEGORIES ABOVE, SHALL FOLLOW THE GUIDELINES FOR THE SIGN CLASSIFICATION THAT MOST CLOSELY MATCHES THE COLOR(S) OF THE PROPOSED SIGN.

4. THE FOLLOWING MINIMUM THICKNESS SHALL BE USED FOR THE APPROPRIATE WIDTH OF SHEET ALUMINUM BLANKS:

LONGEST DIMENSION	MINIMUM THICKNESS
UP TO 12".....	0.040"
GREATER THAN 12" TO 24".....	0.063"
GREATER THAN 24" TO 36".....	0.080"
GREATER THAN 36" TO 48".....	0.100"
OVER 48".....	0.125"

SN - 01




STATE HIGHWAY ADMINISTRATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS
MD 355 (ROCKVILLE PIKE)
SHA TRACKING NO. 21-AP-MO-003-21

APPROVALS	REVISIONS	GENERAL NOTES AND PROPOSALS
<p><i>Chris Strain</i> 2/18/2022 TEAM LEADER</p> <p><i>Dean Randolph</i> 2/28/2022 ASST. DIV. CHIEF</p> <p><i>Lili Liang</i> 3/1/2022 DIVISION CHIEF</p> <p><i>Cedric Ward</i> 3/15/2022 OFFICE DIRECTOR</p>		<p>SCALE _____ N.T.S. _____ ADVERTISED DATE _____ CONTRACT NO. <CONTRACT NO.></p> <p>DESIGNED BY _____ COUNTY _____ MONTGOMERY</p> <p>DRAWN BY _____ LOGMILE _____ 15035506.356</p> <p>CHECKED BY _____ TMS NO. _____</p> <p>MDE/PRD _____ NA _____ TOD NO. _____</p> <p>DRAWING NO. SN-1 1 OF 1 SHEET NO. 20 OF 28</p>




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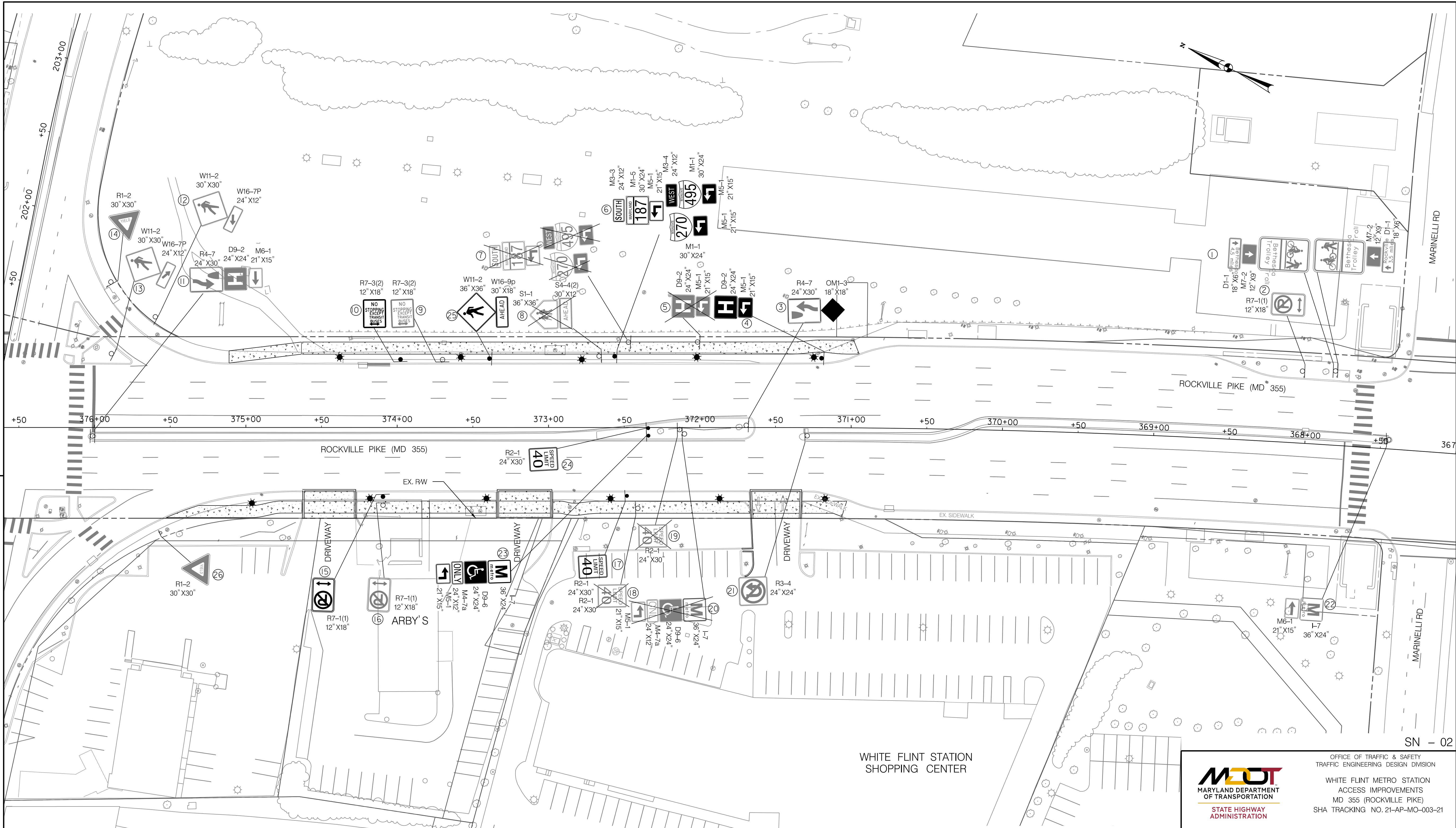
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

17172
MD LICENSE NUMBER

12-12-2022
EXPIRATION DATE



01/2/22



SN - 02

WHITE FLINT STATION SHOPPING CENTER



OFFICE OF TRAFFIC & SAFETY
 TRAFFIC ENGINEERING DESIGN DIVISION
 WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS
 MD 355 (ROCKVILLE PIKE)
 SHA TRACKING NO. 21-AP-MO-003-21

SCALE _____ ADVERTISED DATE _____ CONTRACT NO. <CONTRACT NO.>

DESIGNED BY _____ COUNTY MONTGOMERY
 DRAWN BY _____ LOGMILE 15035506.356
 CHECKED BY _____ TMS NO. _____
 MDE/PRD NA TOD NO. _____

DRAWING NO. SN - 2.1 01 OF 01 SHEET NO. 21 OF 28

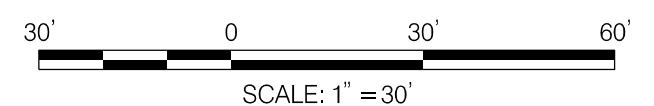


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 17172
 MD LICENSE NUMBER
 12-12-2022
 EXPIRATION DATE



LEGEND

	EXISTING SIGN SUPPORT
	PROPOSED SIGN SUPPORT
	CONCRETE SIDEWALK
	EX. RIGHT OF WAY




SHEET NO.	REMARKS	CODE NUMBERS •																			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
SN-02																					
①	Bethesda Trolley Trail (18"X24"), M7-2 (12"X9"), DI-1 (18"X6"), Bethesda Trolley Trail (18"X24"), M7-2 (12"X9"), DI-1 (18"X6")	EXISTING																			
②	R7-1(I) (12"X18")	EXISTING																			
③	R4-7 (24"X30")	EXISTING																			
④	D9-2 (24"X24"), M5-1 (21"X15")	I- PERFORATED TUBULAR STEEL POST	6.2			1	1														
⑤	D9-2 (24"X24"), M5-1 (21"X15")	EXISTING TO BE REMOVED		6.2																	
⑥	M3-3 (24"X12"), MI-5 (30"X24"), M5-1 (21"X15") M3-4 (24"X12"), MI-1 (30"X24"), M5-1 (21"X15"), MI-1 (30"X24"), M5-1 (21"X15")	IBREAKWAY- 6" X8" WOOD POST	25.6		22																
⑦	M3-3 (24"X12"), MI-5 (30"X24"), M5-1 (21"X15"), M3-4 (24"X12"), MI-1 (30"X24"), M5-1 (21"X15"), MI-1 (30"X24"), M5-1 (21"X15")	EXISTING TO BE REMOVED		25.6																	
⑧	S1-1 (36"X36"), S4-4(2) (30"X12")	EXISTING TO BE REMOVED		11.5																	
⑨	R7-3(2) (12"X18")	EXISTING TO BE REMOVED		1.5																	
⑩	R7-3(2) (12"X18")	I- PERFORATED TUBULAR STEEL POST	1.5			1	1														
⑪	D9-2 (24"X24"), M6-1 (21"X15"), R4-7 (24"X30")	EXISTING																			
⑫	W11-2 (30"x30"), W16-7P (24"X12")	EXISTING																			
⑬	W11-2 (30"x30"), W16-7P (24"X12")	EXISTING																			
⑭	R1-2 (30"X30")	EXISTING																			
⑮	R7-1(I) (12"X18")	I- PERFORATED TUBULAR STEEL POST	1.5			1	1														
⑯	R7-1(I) (12"X18")	EXISTING TO BE REMOVED		1.5																	
⑰	R2-1 (24"X30")	I- PERFORATED TUBULAR STEEL POST	5.0			1	1														
⑱	R2-1 (24"X30")	EXISTING TO BE REMOVED		5.0																	
⑲	R2-1 (24"X30")	EXISTING TO BE REMOVED		5.0																	
⑳	I-7 (36"x24"), D9-6 (24"X24"), M4-7a (24"X12"), M5-1 (21"X15")	EXISTING TO BE REMOVED		14.2																	
㉑	R3-4 (24"X24")	EXISTING																			
㉒	I-7 (36"x24"), M6-1 (21"X15")	EXISTING																			
㉓	I-7 (36"x24"), D9-6 (24"X24"), M4-7a (24"X12"), M5-1 (21"X15")	I- PERFORATED TUBULAR STEEL POST	14.2			1	1														
㉔	R2-1 (24"X30")	I- PERFORATED TUBULAR STEEL POST	5.0			1	1														
㉕	W11-2 (36"X36"), W16-9p (30"X18")	I- PERFORATED TUBULAR STEEL POST	12.8			1	1														
㉖	R1-2 (30"X30")	EXISTING																			
TOTAL			71.8	70.5	22	7	7														

SN - 03

• CODE NUMBER DESCRIPTION & UNIT

CODE NUMBERS	DESCRIPTION	UNIT
1	F&I SHEET ALUMINUM SIGNS	S.F.
2	REMOVE EXISTING GROUND MOUNTED SIGN AND SUPPORTS	S.F.
3	BREAKWAY WOOD SIGN SUPPORTS 6"X8"	L.F.
4	F&I SQUARE PERFORATED TUBULAR STEEL POST	E.A.
5	F&I ANCHOR BASES FOR SQUARE PERFORATED TUBULAR STEEL POST	E.A.




OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS
MD 355 (ROCKVILLE PIKE)
SHA TRACKING NO. 21-AP-MO-003-21

STATE HIGHWAY
ADMINISTRATION


REVISIONS	INDEX OF QUANTITIES
	SCALE _____ ADVERTISED DATE _____ CONTRACT NO. <CONTRACT NO.>
	DESIGNED BY _____ COUNTY _____ MONTGOMERY
	DRAWN BY _____ LOGMILE _____ 15035506.356
	CHECKED BY _____ TMS NO. _____
	MDE/PRD _____ NA _____ TOD NO. _____
	DRAWING NO. SN - 11 01 OF 01 SHEET NO. 22 OF 28



6110 FROST PLACE,
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(301) 982-2800
www.stantec.com

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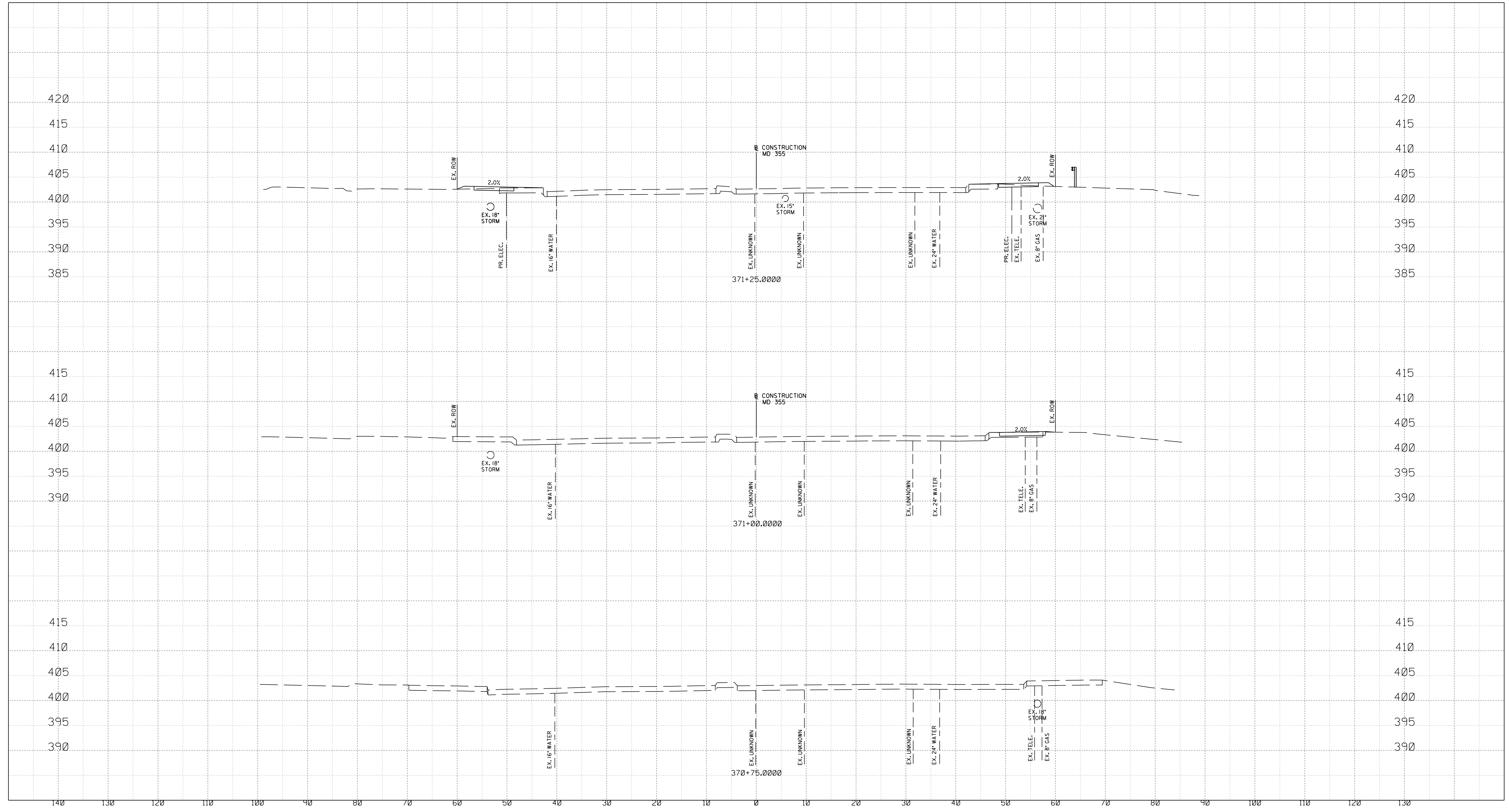
17172
MD LICENSE NUMBER
12-12-2022
EXPIRATION DATE



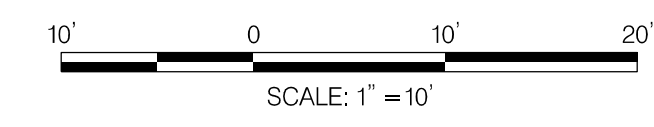
01/12/22

BY: rmlistead -

9/22/2021
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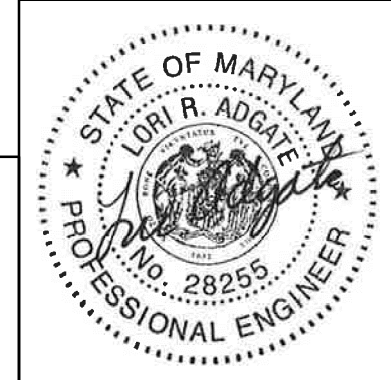


NOTE:
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 THERE ARE SHALLOW STORM DRAIN PIPES WITHIN THE PROJECT LIMITS.



Stantec
 6110 FROST PLACE,
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 OF MARYLAND.
 LICENSE NO.: 28255 EXPIRATION DATE: 6-30-2022



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____
 APPROVED

Chief, Division of Transportation Engineering _____ Date _____

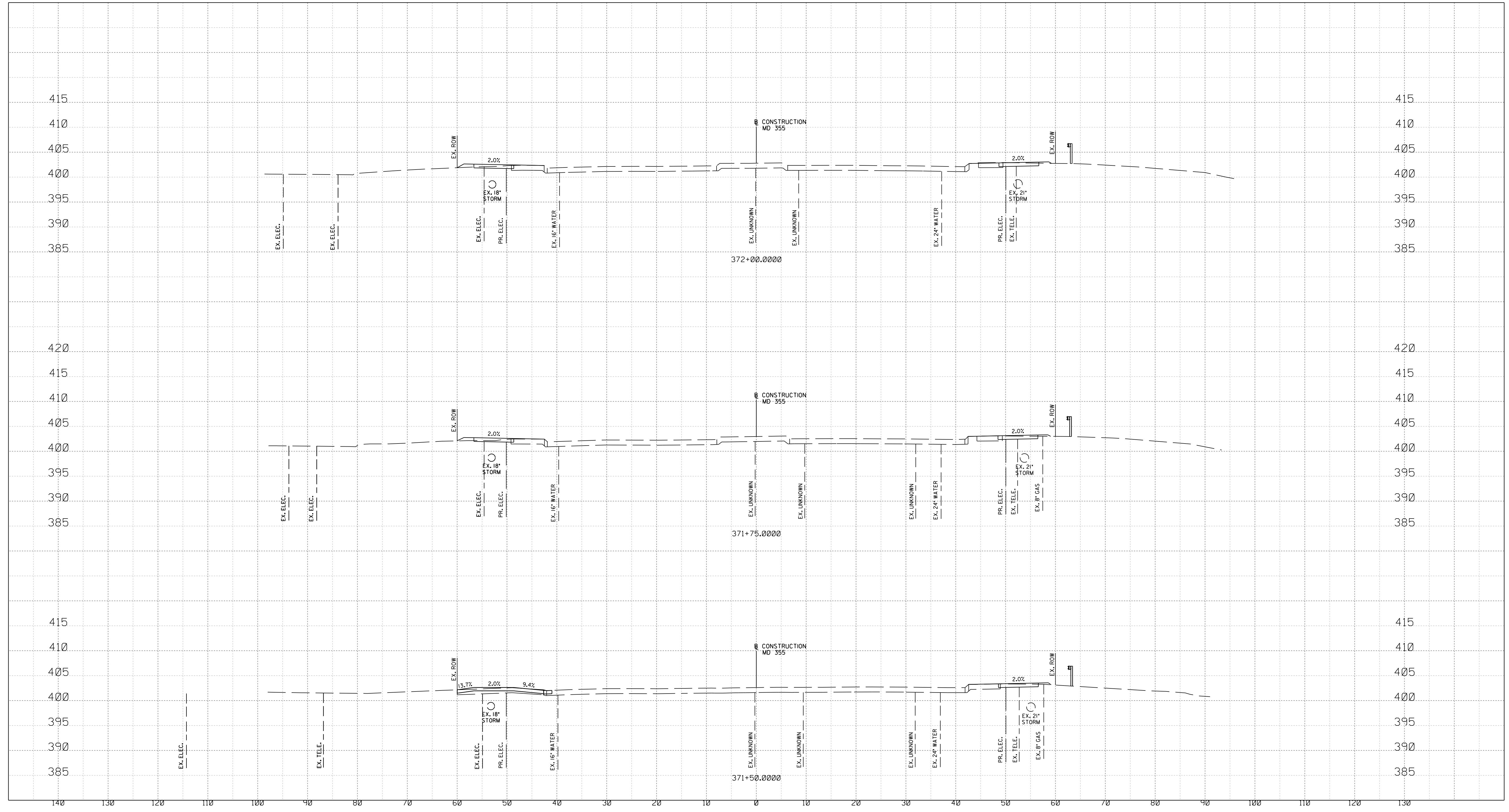
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SHA TRACKING NO. 21-AP-MO-003-21 XS-01

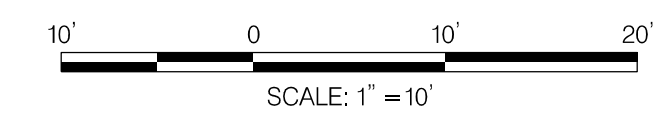
WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : SEPT 2021
 Project No. : 502106 SHEET 23 of 28

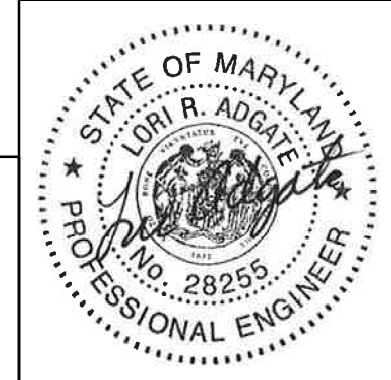
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NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____
 APPROVED

Chief, Division of Transportation Engineering _____ Date _____

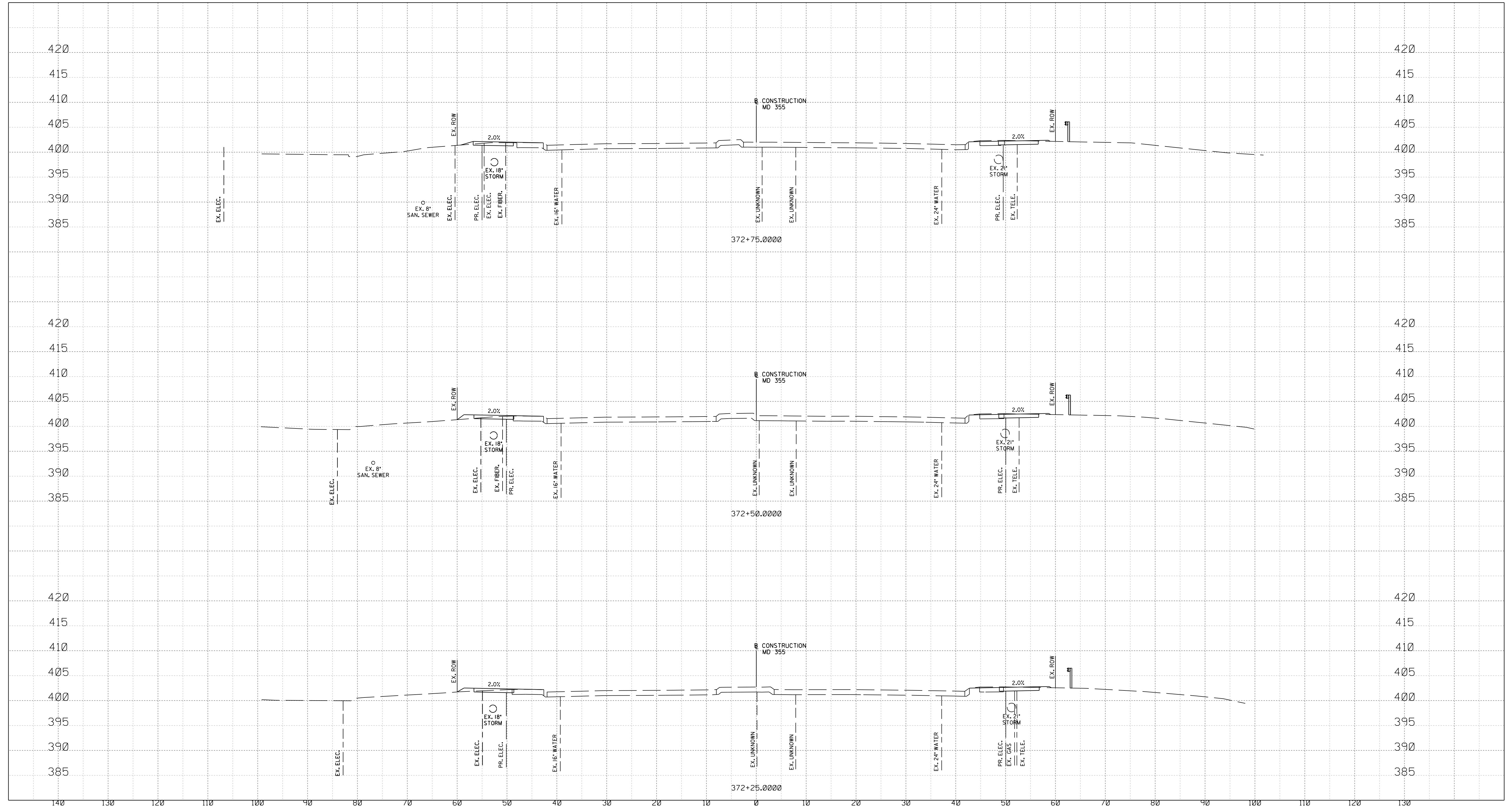
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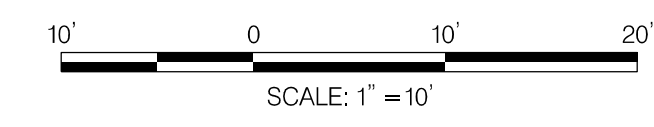
WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : SEPT 2021
 Project No. : 502106 SHEET 24 of 28

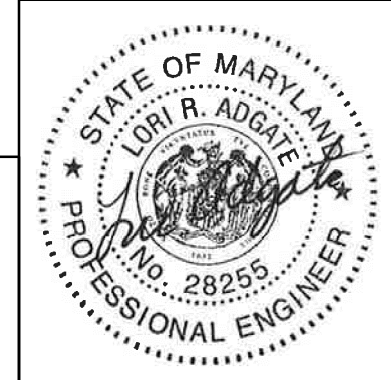
9/21/2021
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 LICENSE NO: 28255 EXPIRATION DATE: 6-30-2022



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____
 APPROVED

Chief, Division of Transportation Engineering _____ Date _____

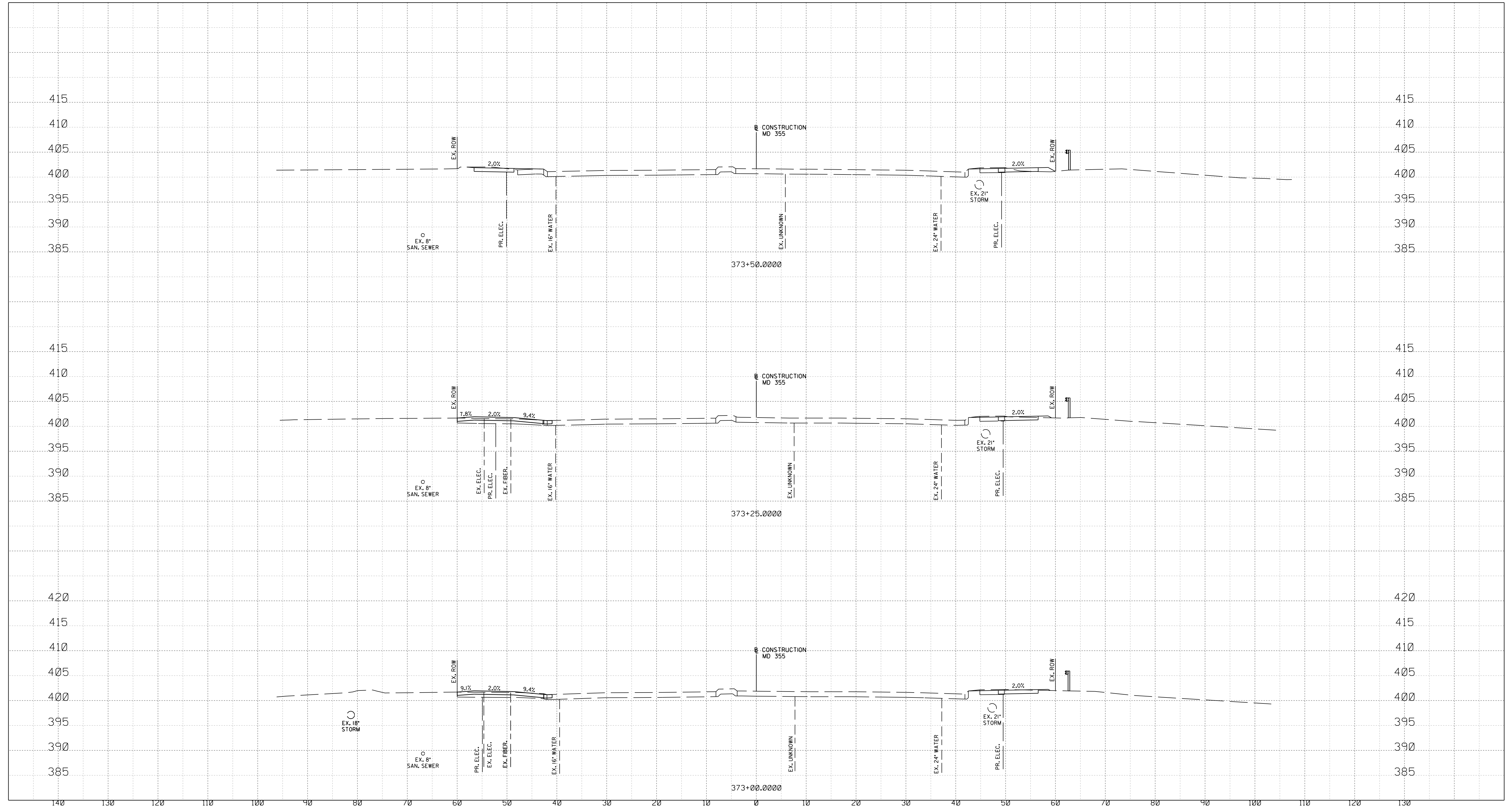
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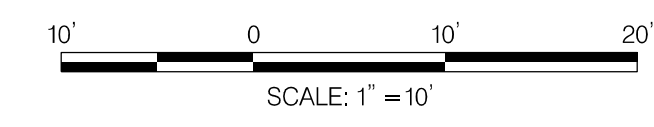
WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : SEPT 2021
 Project No. : 502106 SHEET 25 of 28

9/21/2021
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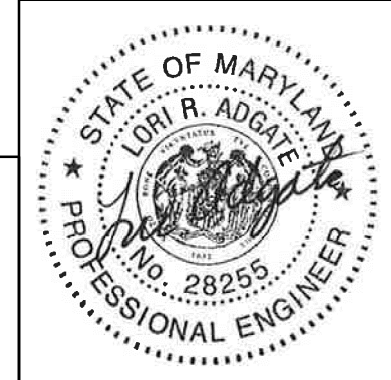


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NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____
 APPROVED

Chief, Division of Transportation Engineering _____ Date _____

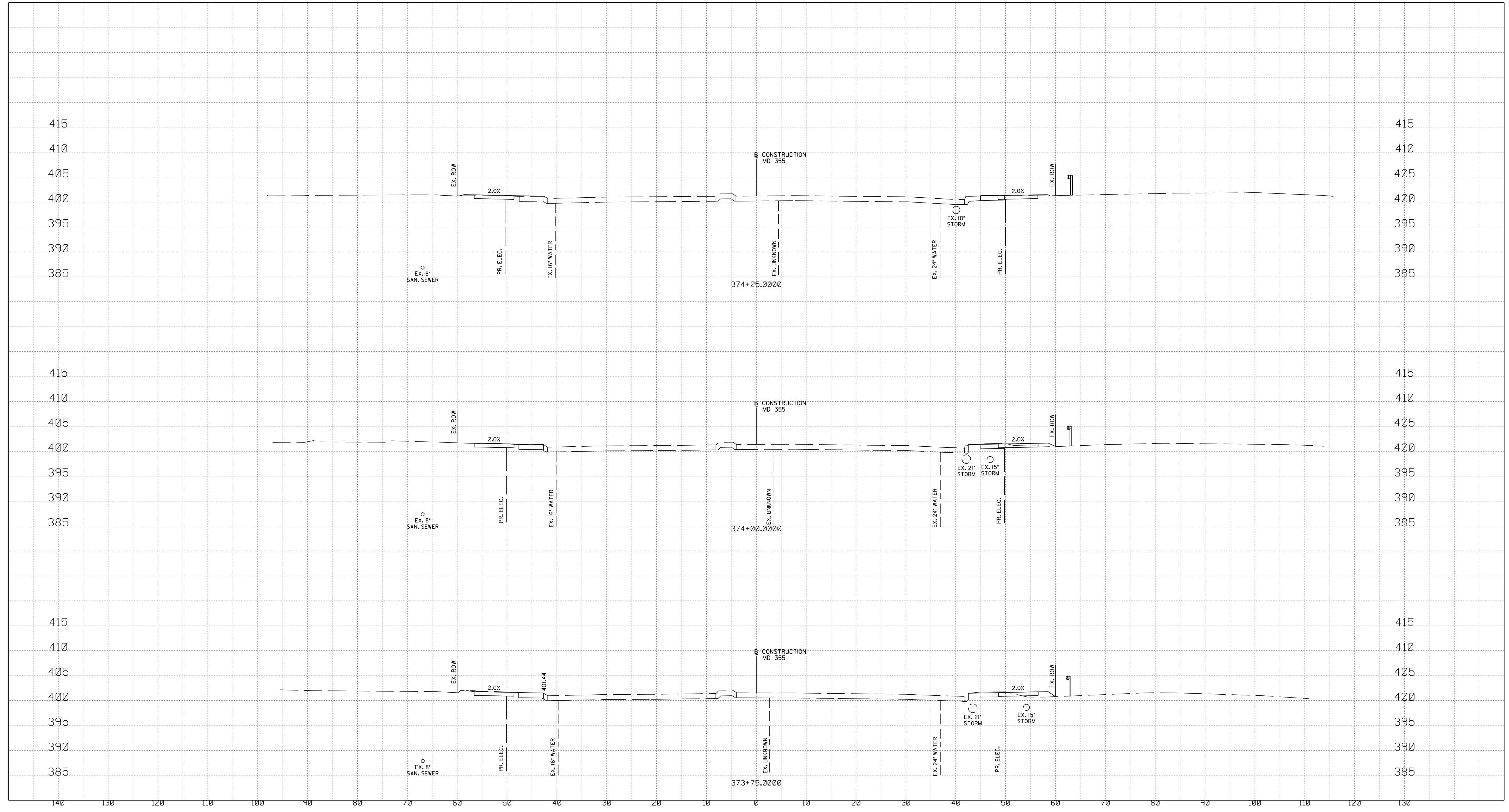
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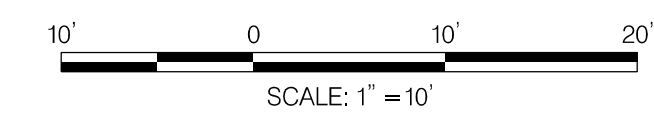
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 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : SEPT 2021
 Project No. : 502106 SHEET 26 of 28

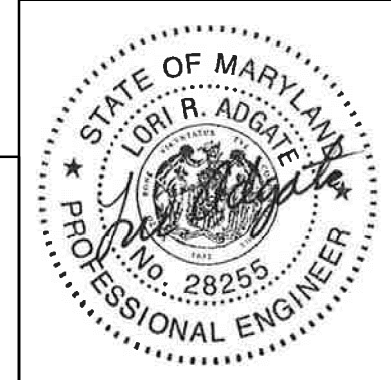
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 LICENSE NO.: 28255 EXPIRATION DATE: 6-30-2022



NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____
 APPROVED

Chief, Division of Transportation Engineering _____ Date _____

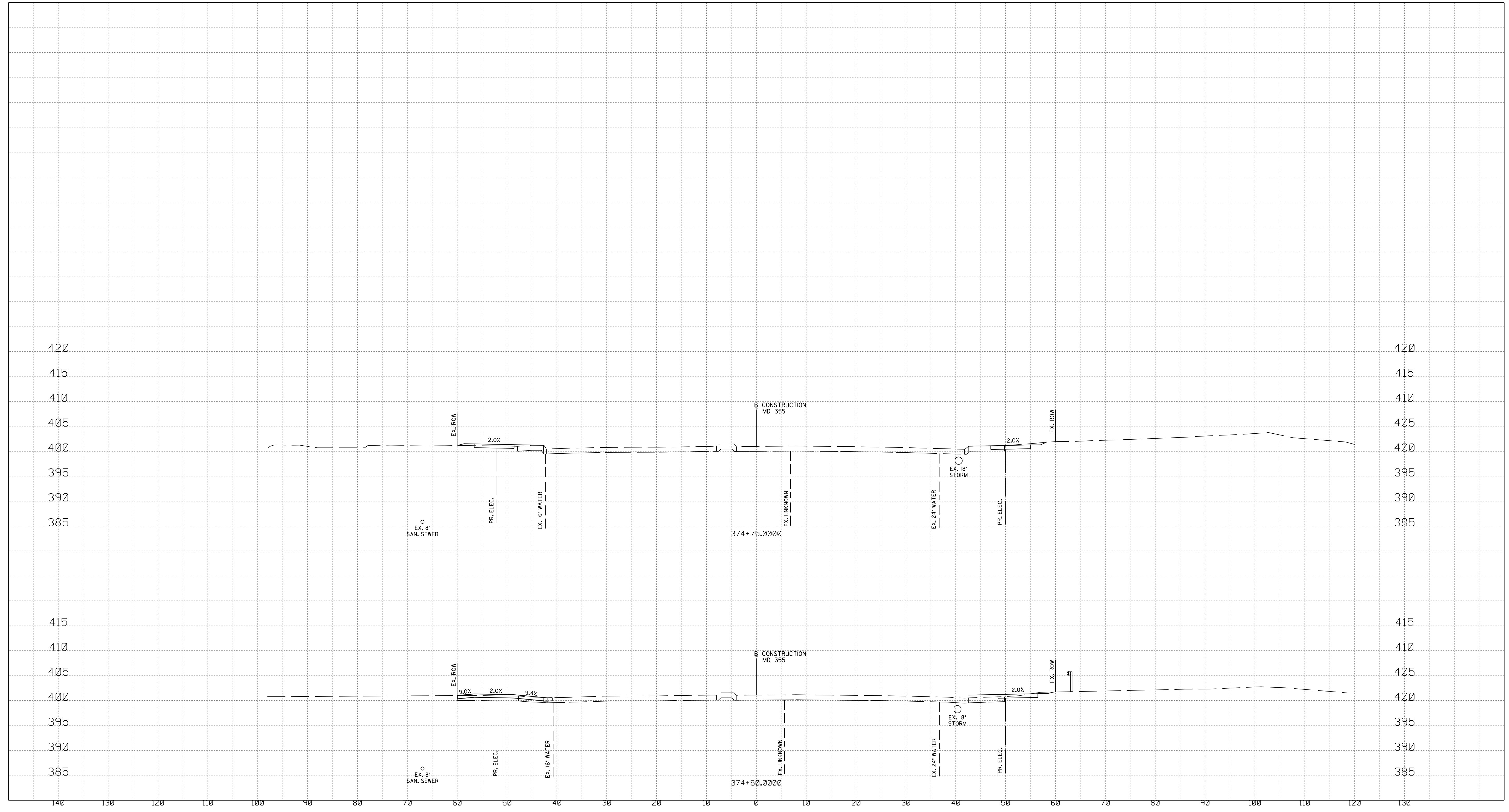
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SHA TRACKING NO. 21-AP-MO-003-21 XS-05

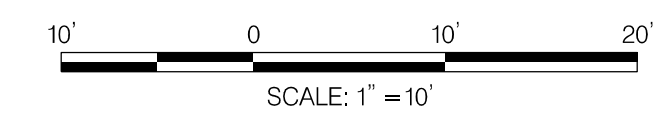
WHITE FLINT STATION
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 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : SEPT 2021
 Project No. : 502106 SHEET 27 of 28

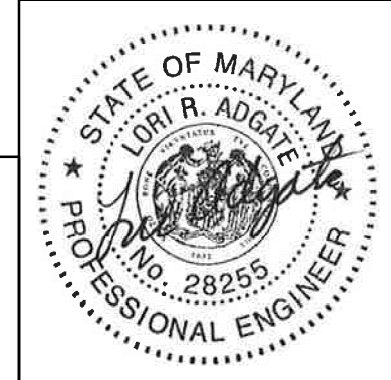
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NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____
 APPROVED

Chief, Division of Transportation Engineering _____ Date _____

Designed by : _____ Drawn by : _____ Checked by : _____

SHA TRACKING NO. 21-AP-MO-003-21 XS-06

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : SEPT 2021
 Project No. : 502106 SHEET 28 of 28