

9/22/2021
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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.

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3	GS-01	GEOMETRIC LAYOUT
4	TS-01	TYPICAL SECTION & PAVING DETAILS
5	PS-01	ROADWAY PLAN
6	PR-01	ROADWAY PROFILE
7	GR-01	GRADING PLAN
8	LN-01	LANDSCAPING PLAN
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12	MT-01	MAINTENANCE OF TRAFFIC GENERAL NOTES
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17	MT-06	MAINTENANCE OF TRAFFIC PLAN
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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.

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



Stantec
6110 FROST PLACE,
LAUREL, MARYLAND 20707
(301) 982-2800
www.stantec.com

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

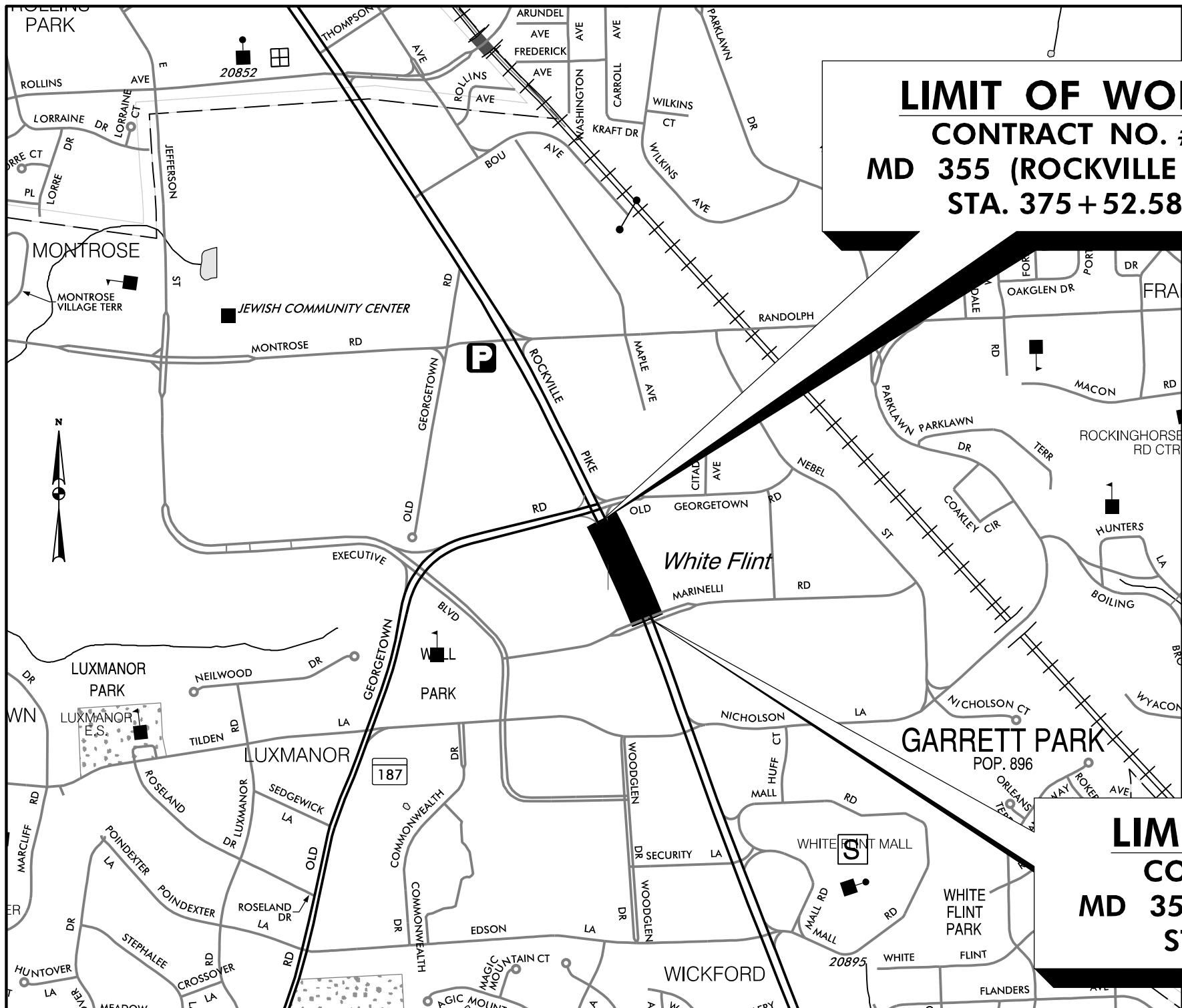


NO.	REVISION	DATE	BY

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

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



VICINITY MAP
SCALE: 1" = 1000'

**PS&E SUBMITTAL
SEPT 2021**

APPROVALS:

TRAFFIC CONTROL PLANS	SIGNATURE _____	DATE _____
LIGHTING PLANS	SIGNATURE _____	DATE _____
SIGNING & PAVEMENT MARKING PLANS	SIGNATURE _____	DATE _____
TRAFFIC SIGNAL PLANS	SIGNATURE _____	DATE _____

TI-01

9/23/2021
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GENERAL NOTES

1. 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.
2. FOR CONSTRUCTION, HORIZONTAL SHALL BE BASED ON NAD 83/91 DATUM AND VERTICAL SHALL BE BASED ON NAVD 1988 DATUM.
3. 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.
4. 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.
5. CALL "MISS UTILITY" AT 1-800-257-7777 FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING EXCAVATION TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES.
6. CLEARING IS TO BE LIMITED TO THE "LIMIT OF DISTURBANCE" AS SHOWN ON THE PLANS.
7. ALL GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
8. 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.
9. 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.
10. 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.
11. 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
B. 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	ES. End Section	MC. Moisture Content	PVT. Point of Vertical Tangency	T.C. Top of Cover
B.C. Bituminous Concrete	EX. or EXIST. Existing	MDD. Maximum Dry Content	R. Radius	TEMP. Temporary
B.M. Bench Mark	FT. Feet	MOD. Modified	REINF. Reinforcement	T.G. Top of Grate
B.O.F. Bottom of Footing	F. or FL. Flowline	MIN. Minimum	REQ'D Required	T.B.R. To Be Removed
BOT. Bottom	F.B.D. Flat Bottom Ditch	MN. Managed Roadway	R.F. Rock Fragments	T. or TL. Traverse Line
BRG. Bearing	F.H. Fire Hydrant	M.S.E. Mechanically Stabilized Earth	RT. Right	T.M. Top of Manhole
C.C. Center of Curve	F.O. Fiber Optic	N. North	RW. or RW. Right of Way	T.O.F. Top of Footing
CATV. Cable Television	F.S. Full Super Elevation	NB. Northbound	R.C.P. Reinforced Cement Pipe	TRAV. Traverse
C.B.R. California Bearing Ratio	FWD. Forward	NE. Northeast	R.C.C.P. Reinforced Cement Concrete Pipe	TS. Temporary Swale
C.J. Contraction Joint	G. Gas	NO. Number	R.Q.D. Rock Quality Designation	T.S. Top of Slab
C. or CL. Centerline	GL. Gutterline	NP. Non-Plastic	R.M. Rootmat	T.S. Topsoil
CL. Class or Clear	GP. General Purpose Roadway	N.T.S. Not To Scale	S. South	TYP. Typical
CLF. Chainlink Fence	G.V. Gas Valve	O.C. On Center	SAN. Sanitary Sewer	U.D. Under Drain
CMP. Corrugated Metal Pipe	H.B. Handbox	OH. Overhead	SB. or SB. Southbound	U.G. Underground
C.O. Cleanout	H.D.P. High Density Polyethylene	OMC. Optimum Moisture	S.D. Storm Drain	U.O.N. Unless Otherwise Noted
COMB. Combination	HDWL. Headwall	PAV'T. Pavement	S.D.D. Surface Drain Ditch	U.P. Utility Pole
CONC. Concrete	H.E.R.C.P. Horizontal Elliptical Reinforced Concrete Pipe	PC. Point of Curvature	SE. Super Elevation	USC Unified Soil Classification
CONSTR. Construction	H.P. High Point	PCC. Point of Compound Curvature	SF. Silt Fence	USDA United States Department of Agriculture
COR. Corner	H.S.D. Headlight Sight Distance	PC. Point of Crown	S.F. Square Feet	VCL. Vertical Clearance
CORR. Correction	IN. Inch	PGE. Profile Grade Elevation	SHLDR. Shoulder	V.C.L. Vertical Curve Length
C.Y. Cubic Yard	I.S.T. Inlet Sediment Trap	P.G.L. Profile Grade Line	SHA. State Highway Administration	W. Water
DC. Degree of Curve	INV. Invert	P/GL. Profile Ground Line	SHA MB. State Highway Administration Micro Bio	W. West
D.H.V. Design Hourly Volume	J.B. Junction Box	P. Plate	SHT. Sheet	W.B. Westbound
D.I. Drop Inlet	K. K Inlet	P/R. Point of Rotation	S.P.P. Structural Plate Pipe	WB. Wetland Buffer
DIA. Diameter	L. Length	P.I. Plasticity Index	S.P.T. Standard Penetration Testing	W.M. Water Meter
D.O. Double Opening	L.F. Linear Feet	P.I. Point of Intersection	S.S. Stainless Steel	W.S. Wrapped Steel
D.S. Design Speed		POC. Point On Curve	SSD. Stopping Sight Distance	
DWG. Drawing		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	TSOS
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	COLP
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)	=====		

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

GN-01


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

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

GENERAL NOTES,
SYMBOLS AND ABBREVIATIONS

SCALE : NO=SCALE DATE : SEPT 2021

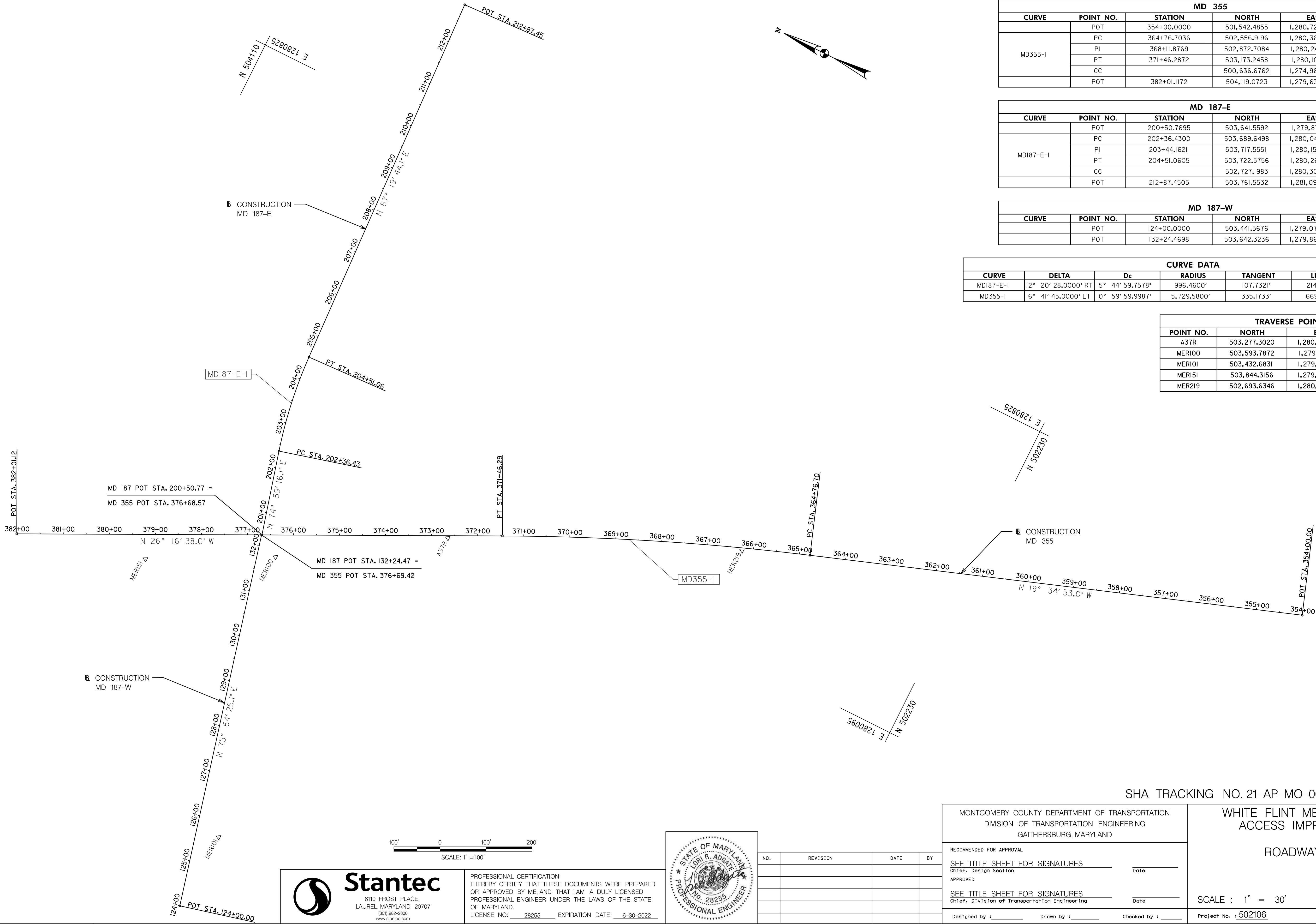
Project No. : 502106 SHEET 02 of 28

 Stantec 6110 FROST PLACE, LAUREL, MARYLAND 20707 (301) 982-2800 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
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NO.	REVISION	DATE	BY

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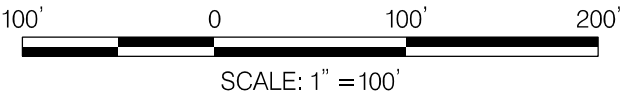
MD 355					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
MD355-I	POT	354+00.0000	501,542.4855	1,280,722.8952	N 19° 34' 53.00" W
	PC	364+76.7036	502,556.9196	1,280,362.0427	N 19° 34' 53.00" W
	PI	368+11.8769	502,872.7084	1,280,249.7109	N 26° 16' 38.00" W
	PT	371+46.2872	503,173.2458	1,280,101.3247	N 26° 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
MD187-E-I	POT	200+50.7695	503,641.5592	1,279,870.1014	N 74° 59' 16.13" E
	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



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

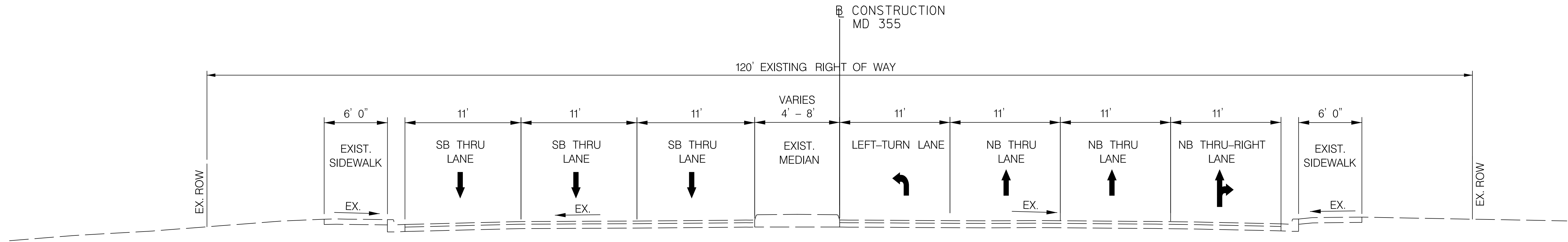


NO.	REVISION	DATE	BY

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 : _____	

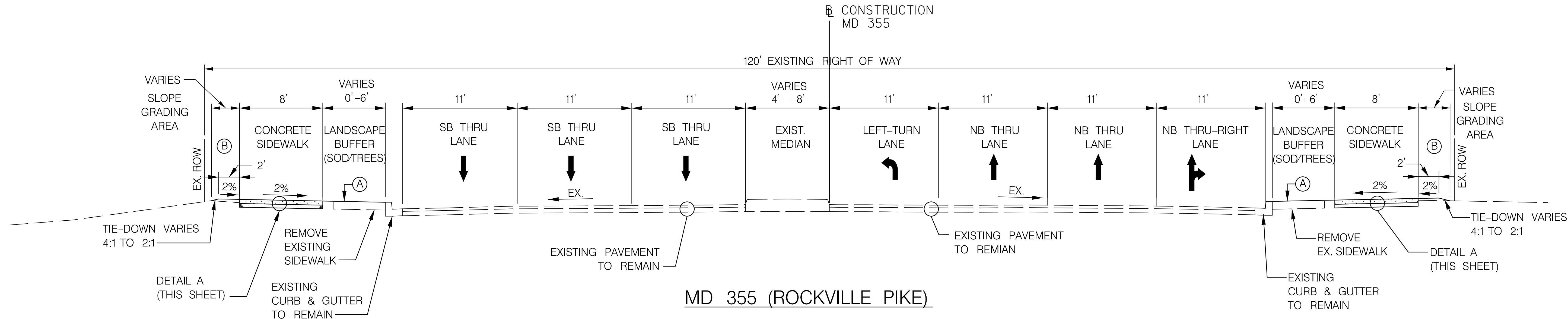
SHA TRACKING NO. 21-AP-MO-003-21		GS-01
WHITE FLINT METRO STATION ACCESS IMPROVEMENTS		
ROADWAY PLAN		
SCALE : 1" = 30'	DATE : SEPT 2021	
Project No. : 502106	SHEET 03 of 28	

9/23/2021
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MD 355 (ROCKVILLE PIKE)

EXISTING CONDITIONS
STA. 370+93.01 TO 375+21.62

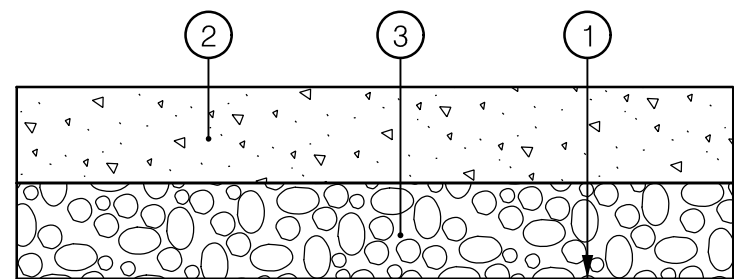


MD 355 (ROCKVILLE PIKE)

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

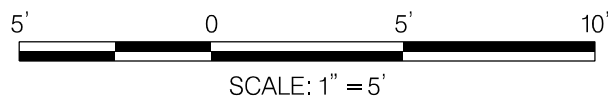
NOTE:
MDOT SHA STANDARD 580.03, NEW COMBINATION CURB AND GUTTER PLACEMENT ALONG EXISTING PAVEMENT, SHALL BE USED IF EXISTING COMBINATION CURB AND GUTTER IS DAMAGED DURING CONSTRUCTION OF THE PROPOSED SIDEWALK AND DRIVEWAY IMPROVEMENTS.



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



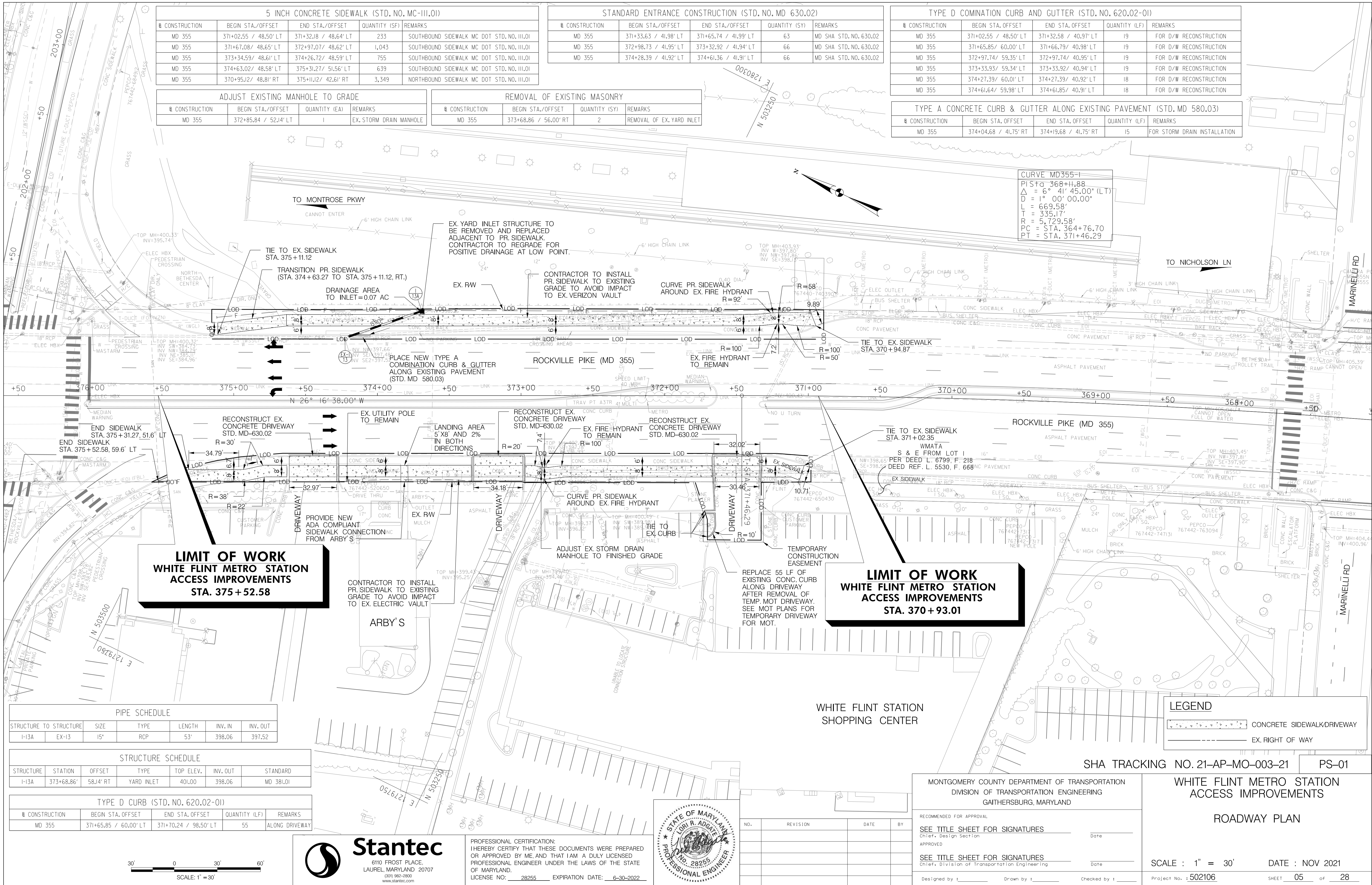
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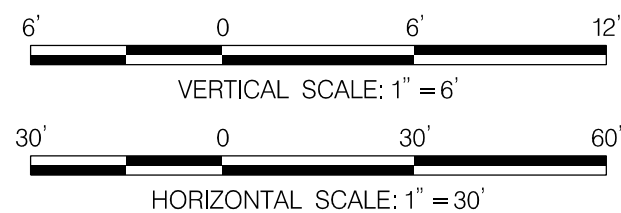
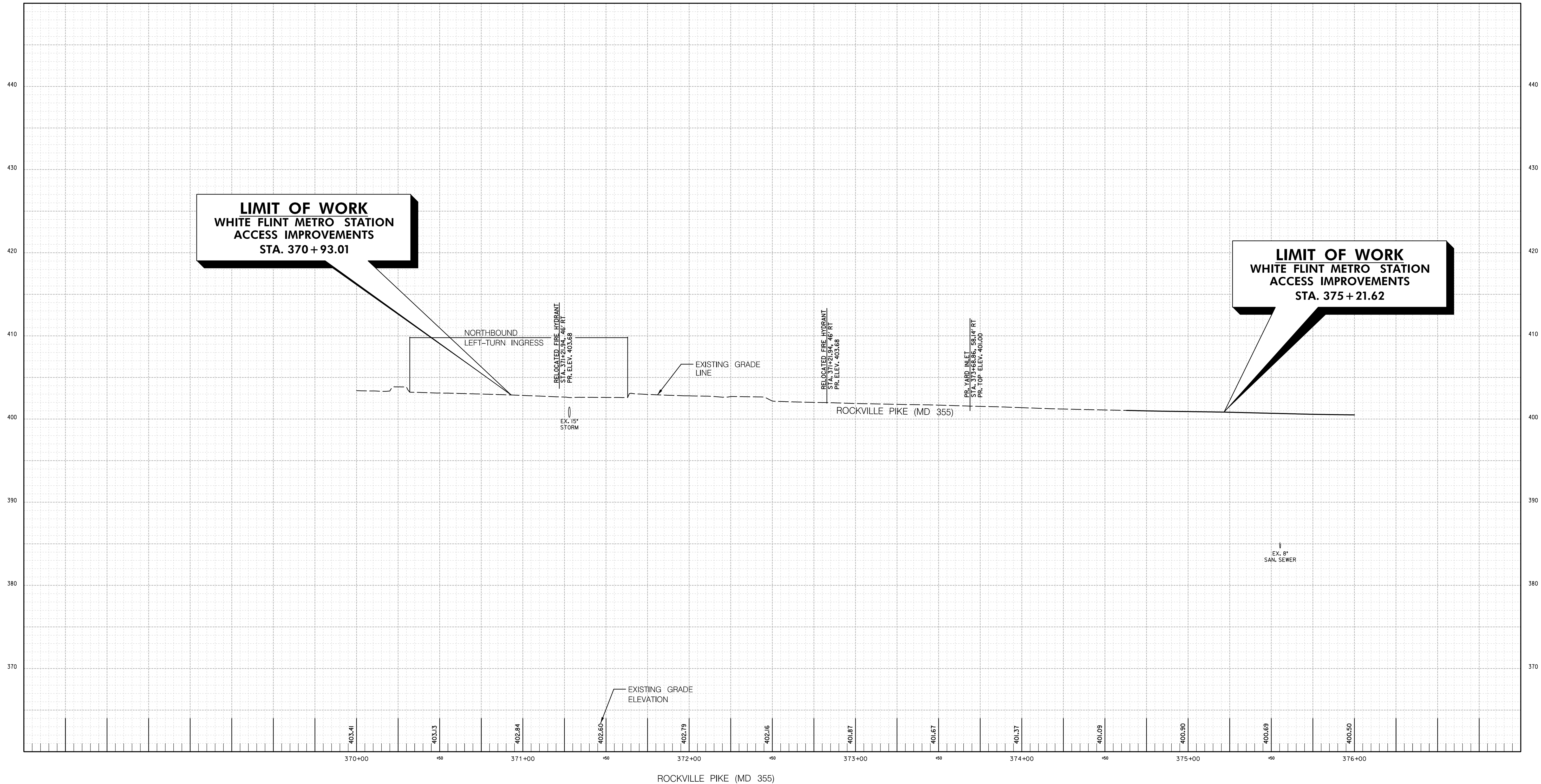
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MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION DIVISION OF TRANSPORTATION ENGINEERING GAITHERSBURG, MARYLAND	
RECOMMENDED FOR APPROVAL	
SEE TITLE SHEET FOR SIGNATURES Chief, Design Section	Date
APPROVED	
SEE TITLE SHEET FOR SIGNATURES Chief, Division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

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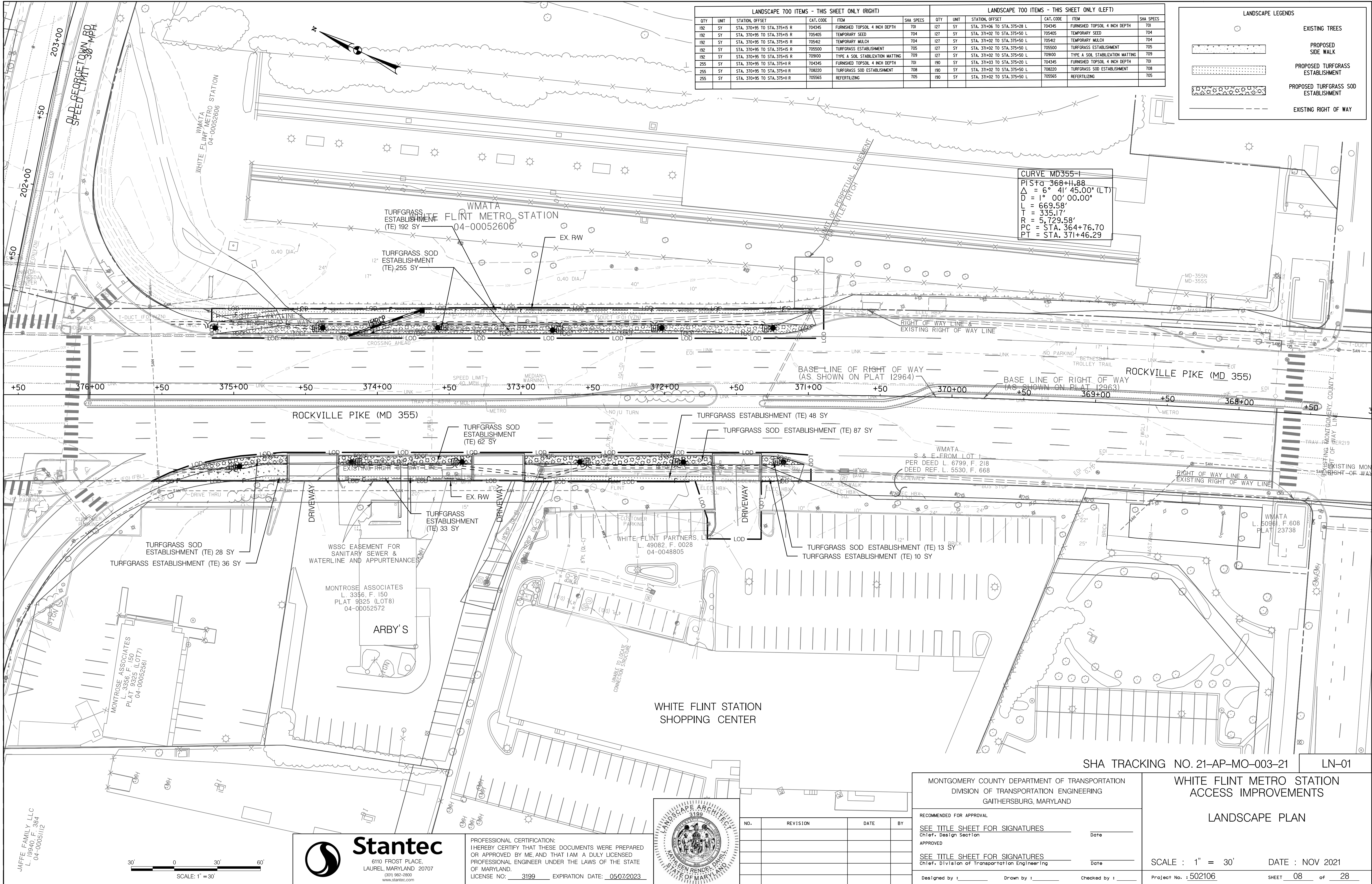
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SHA TRACKING NO. 21-AP-MO-003-21 PR-01

WHITE FLINT METRO STATION ACCESS IMPROVEMENTS	
ROADWAY CENTERLINE PROFILE	
SCALE : H 1" = 30' ; V 1" = 6' DATE : SEPT 2021	
Project No. : <u>502106</u>	SHEET <u>06</u> of <u>28</u>

11/29/2021
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11/29/2021
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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/DESMANUALSTDPU](http://apps.roads.maryland.gov/businesswithsha/bizstdsspecs/desmanualstdpub/publicationsonline/OHD/BOOKSTD/TOCCAT7.ASP)
[B/PLICATIONSONLINE/OHD/BOOKSTD/TOCCAT7.ASP](http://apps.roads.maryland.gov/businesswithsha/bizstdsspecs/desmanualstdpub/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 WITHIN 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 DISTURED 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 TRUFGRASS 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 STEEEPER THAN 6:1 AND FLATTER THAN 4:1. TYPE A OR TYPE E MATTING SHALL BE INSTALLED IN LIEU OF STRAW MULCH AND HYDORMULCH 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 BINDR 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



Stantec
6110 FROST PLACE,
LAUREL, MARYLAND 20707
(301) 982-2800
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: 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
APPROVED
Date

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

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

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

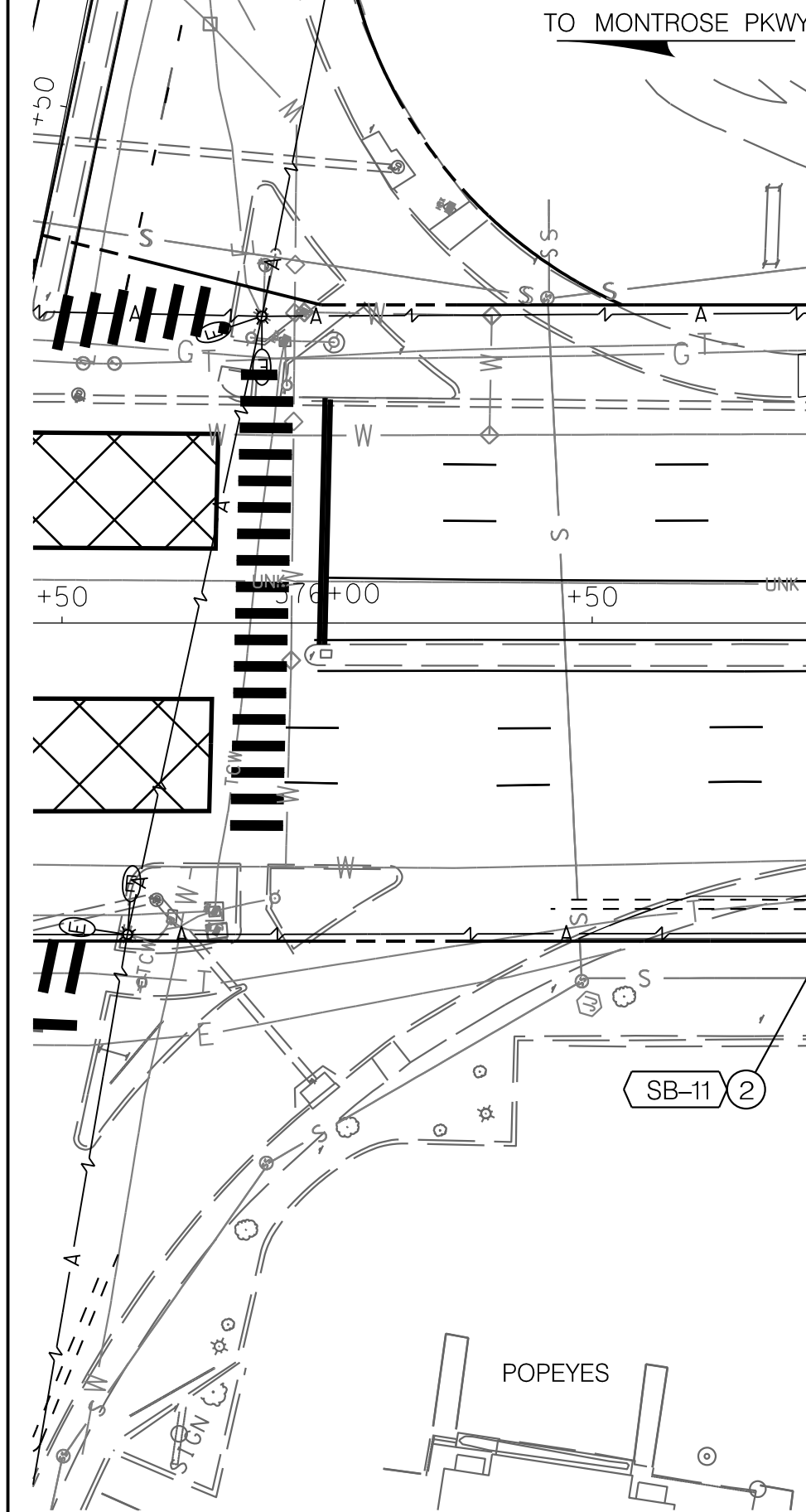
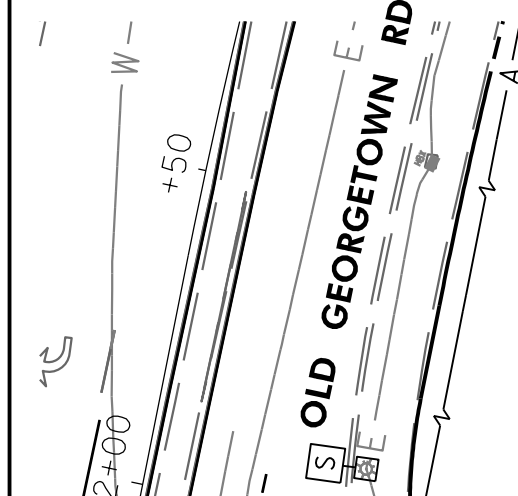
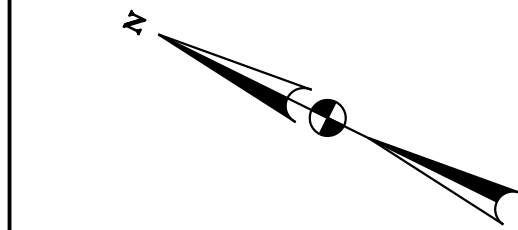
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

LANDSCAPE NOTES & DETAILS

SCALE : 1" = 30' DATE : NOV 2021

Project No. : 502106 SHEET 09 of 28

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



GEOMETRICS LEGEND	
	PROPOSED GEOMETRY
	EXISTING GEOMETRY
UTILITY LEGEND	
	TELEPHONE CABLES
	WATER MAIN
	AERIAL CABLES
	GAS MAIN
	ELECTRIC CABLES
	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
	PROP. SPLICE BOX ID NO.
	PROP. LIGHT POLE ID NO.

POLE NO.	MAPGRID	MCPOLRID	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

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

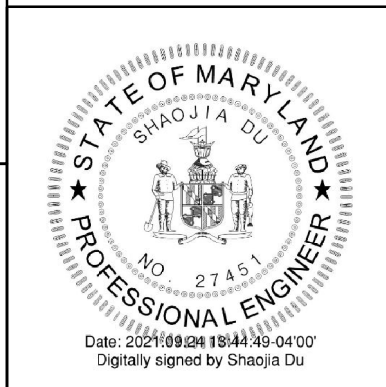
- FURNISH AND INSTALL CONCRETE FOUNDATION, 12-FOOT DECORATIVE RESIDENTIAL LAMP POST WITH 70 WATT LED DECORATIVE WASHINGTON GLOBE STYLE LUMINAIRE, LAMP, PHOTOCELL AND GROUND ROD. (SEE DETAILS ON LT-02).
- FURNISH AND INSTALL (13 IN. X 24 IN. X 24 IN.) POLYMER CONCRETE SPLICE BOX. (SEE DETAIL ON LT-02).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

GENERAL NOTES

- STREET LIGHT BASES AND LOCATIONS TO BE APPROVED BY MONTGOMERY COUNTY.
- ALL MATERIALS USED ARE TO CONFORM TO PEPCO SPECIFICATIONS.
- DAMAGE TO ANY UTILITIES OCCURRED BY THE CONTRACTOR DURING THE INSTALLATION OF LIGHTING FACILITIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL COMPLY WITH THE LATEST NATIONAL ELECTRICAL CODE (NEC), THE NATIONAL ELECTRICAL SAFETY CODE (NESC) AND ALL LOCAL CODES AND REGULATIONS.
- 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.
- ALL CONDUIT INSTALLATIONS UNDER SIDEWALKS SHALL BE DONE PRIOR TO THE INSTALLATION OF THE NEW SIDEWALKS.
- 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.

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



NO.				REVISION	DATE	BY

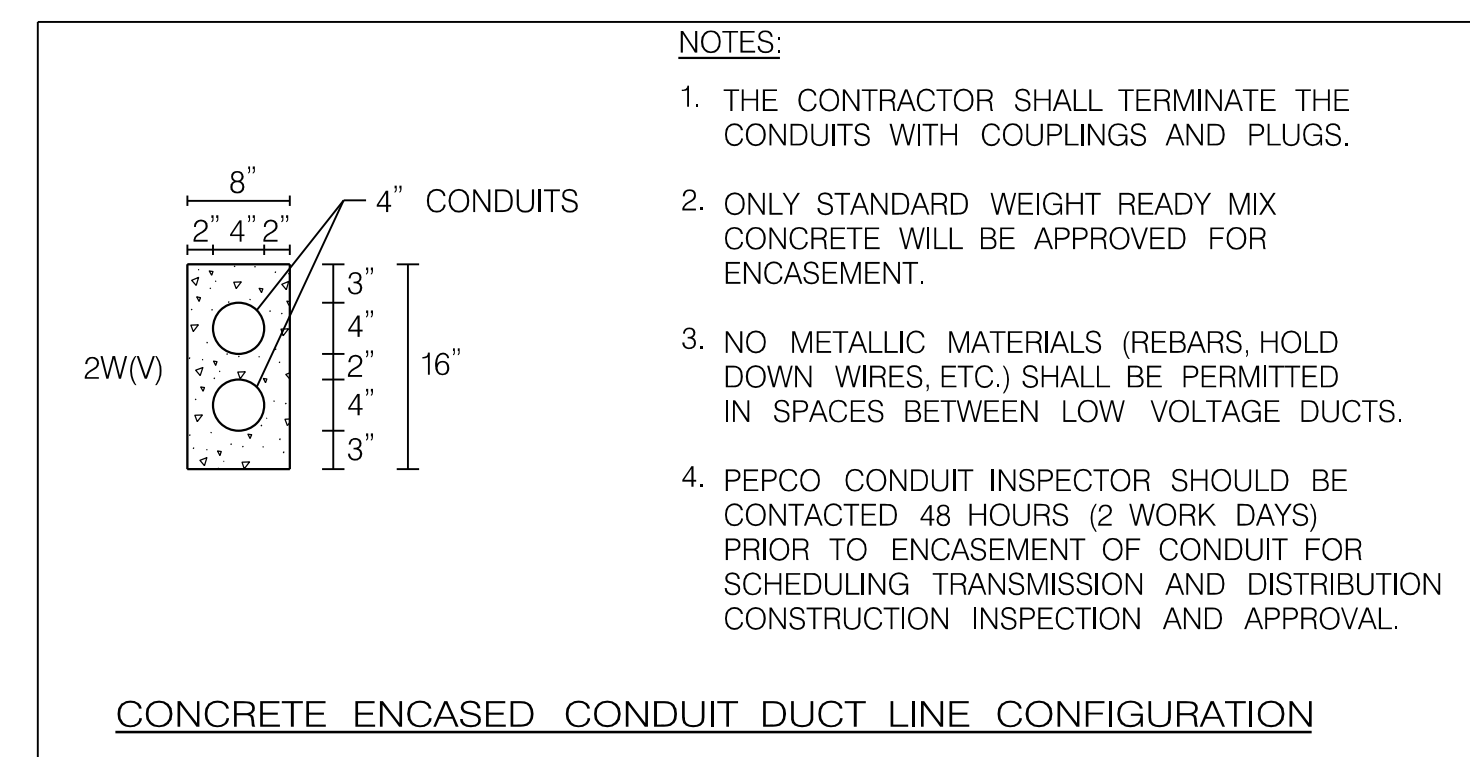
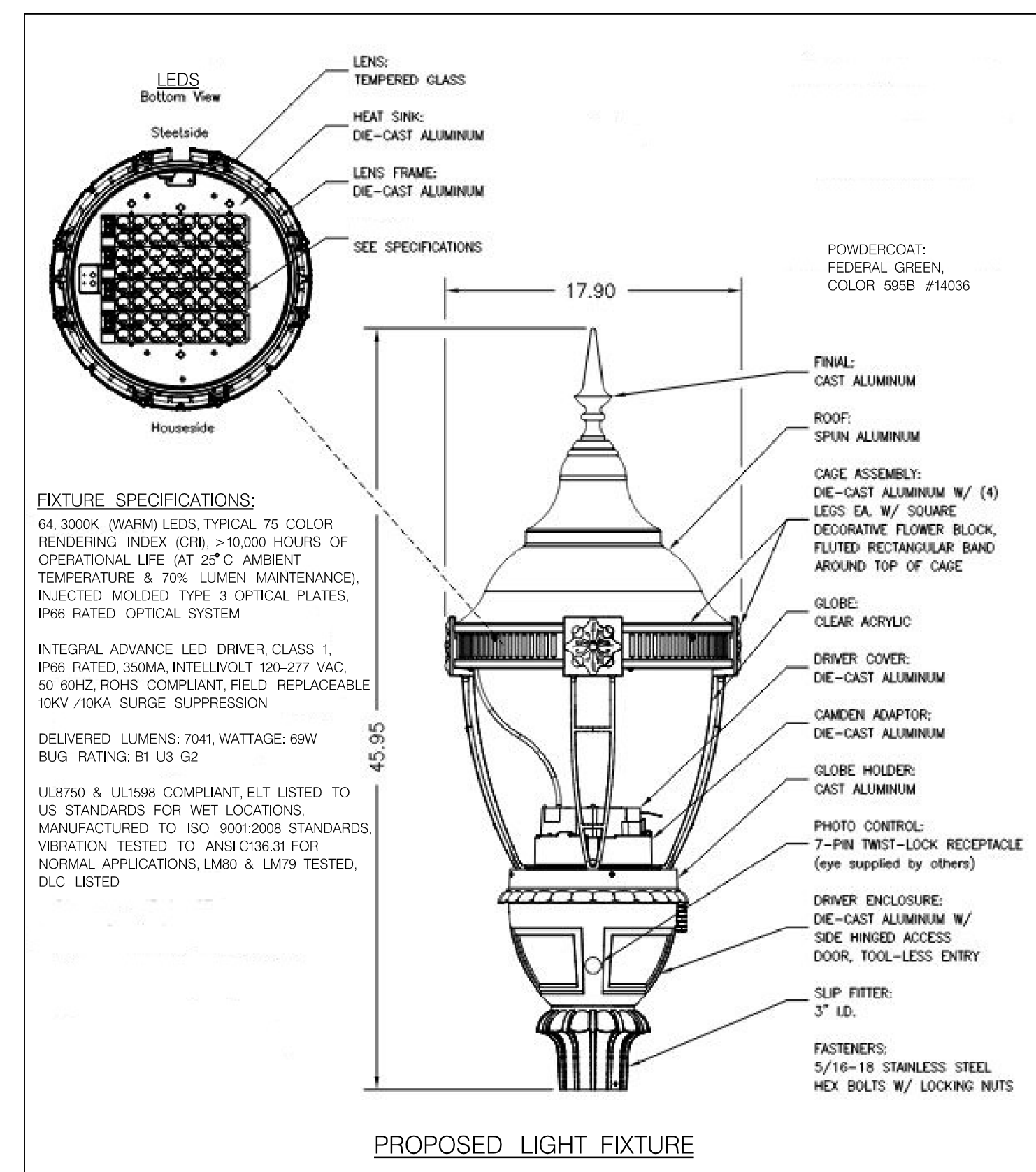
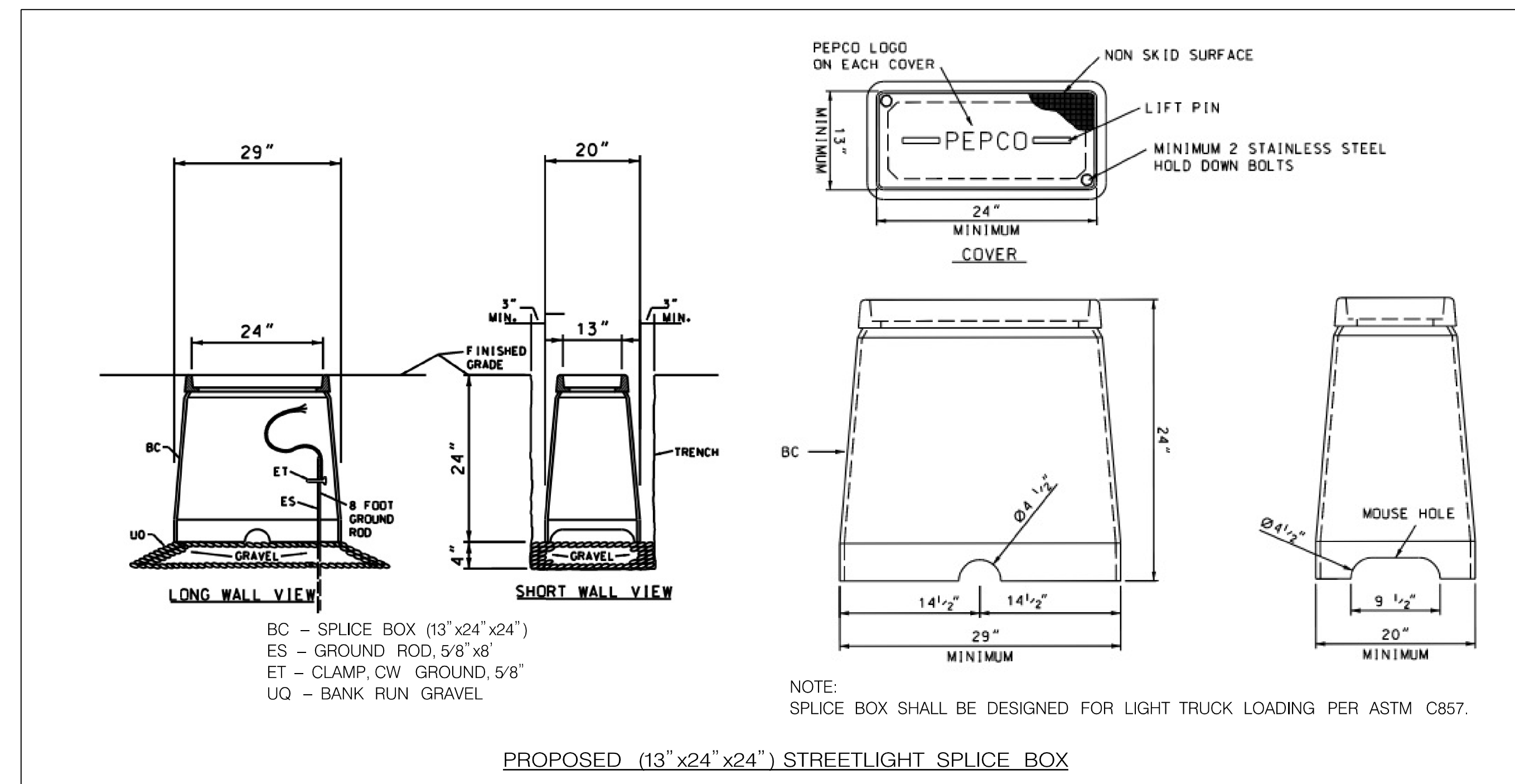
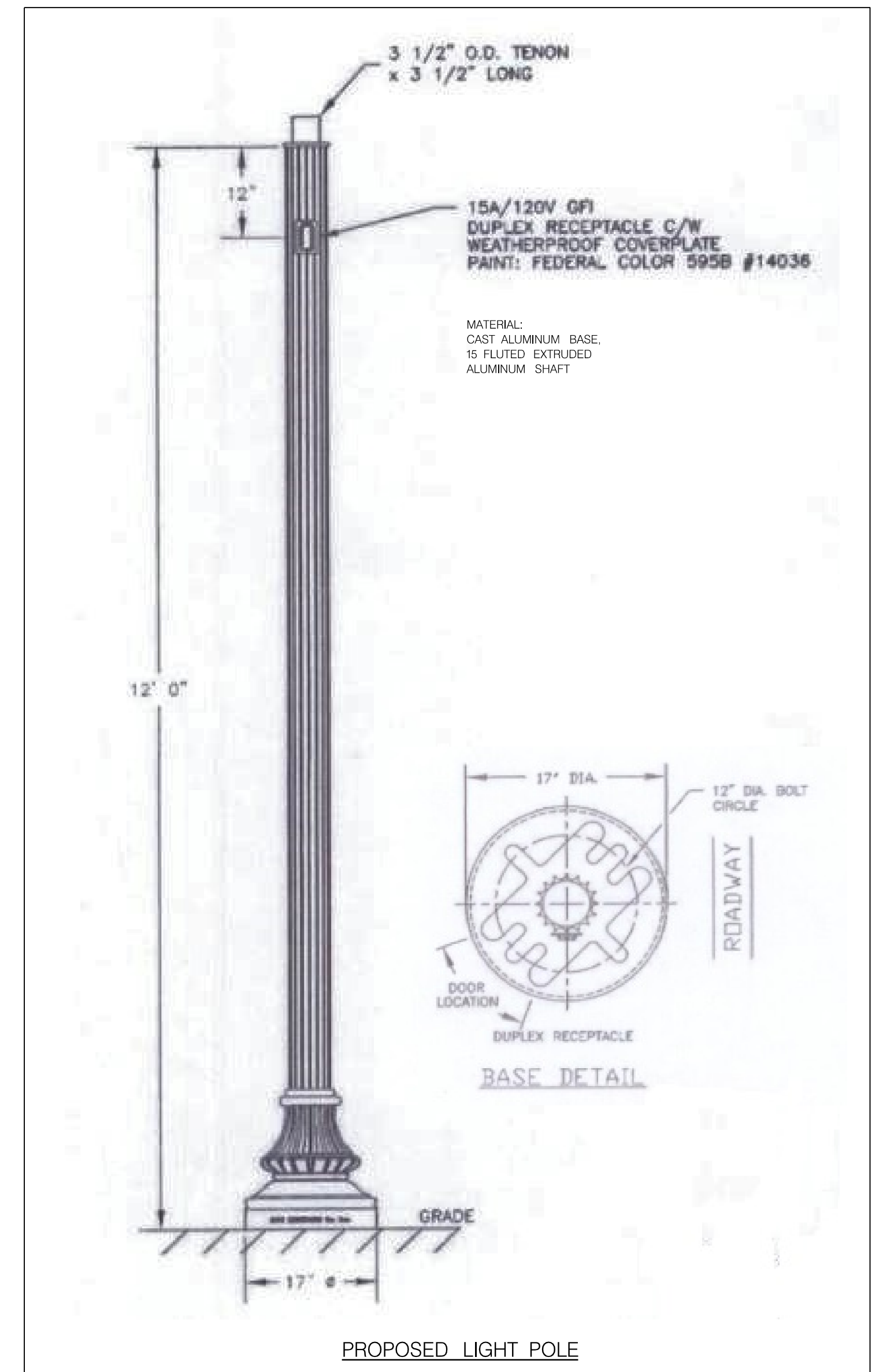
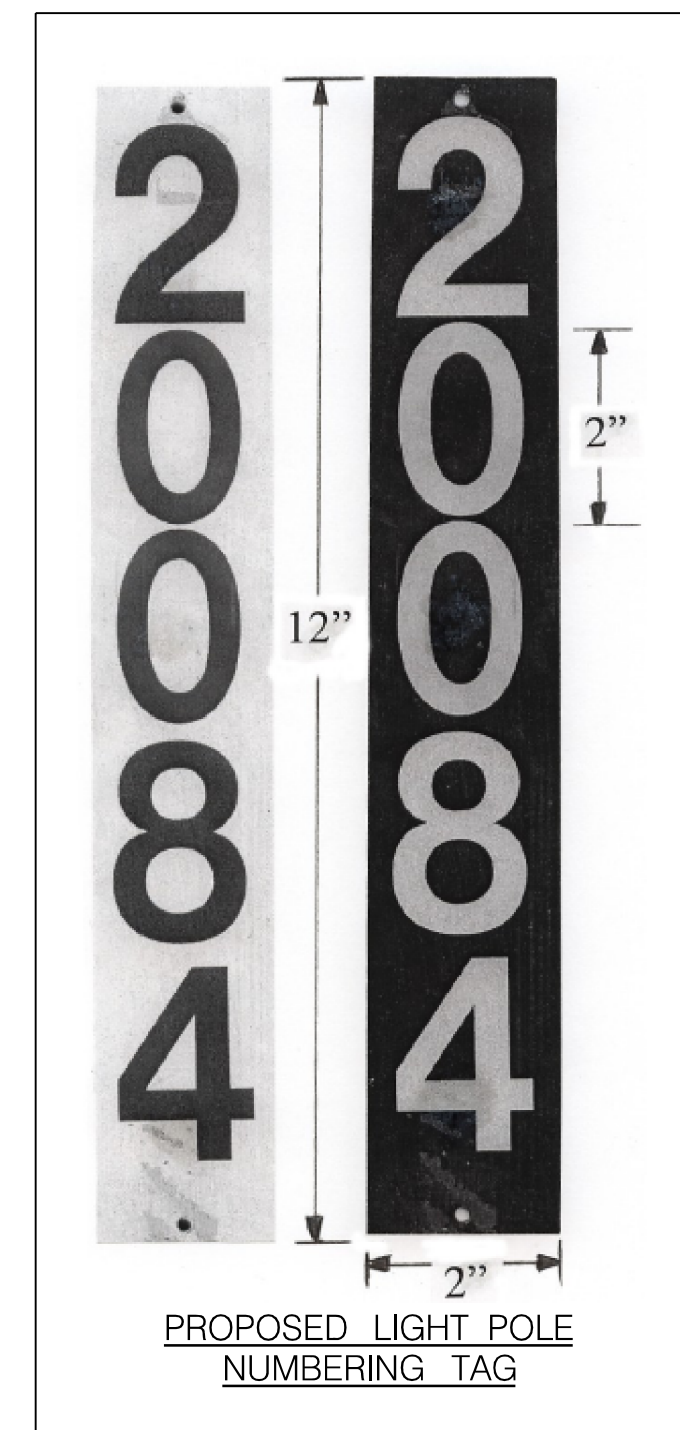
MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION DIVISION OF TRANSPORTATION ENGINEERING GAITHERSBURG, MARYLAND	
RECOMMENDED FOR APPROVAL	
SEE TITLE SHEET FOR SIGNATURES Chief, Design Section	Date
APPROVED	
SEE TITLE SHEET FOR SIGNATURES Chief, Division of Transportation Engineering	Date
Designed by :	Drawn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

WHITE FLINT METRO STATION ACCESS IMPROVEMENTS	
LIGHTING PLAN	
SCALE : 1" = 30'	DATE : SEPT 2021
Project No. : 502106	SHEET 10 of 28

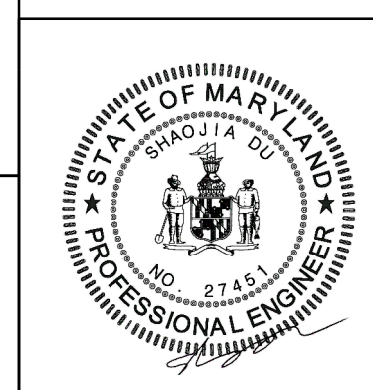
MDOT TEDD APPROVALS	
TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

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

1. 1-WAY FOUR INCH (4"), SCHEDULE 40, PVC CONDUIT TO BE INSTALLED BY THE CONTRACTOR CONNECTING EACH SPLICEBOX IN A CONTINUOUS RUN.
2. TWO INCH (2"), SCHEDULE 40, PVC CONDUIT TO BE INSTALLED BY THE CONTRACTOR CONNECTING THE SPLICEBOX TO THE STREET LIGHT FOOTING.
3. CONTRACTOR TO PROVIDE AND INSTALL PHOTOCELLS FOR EACH STREET LIGHT LUMINAIRE.
4. 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.
5. 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.
6. ALL SWEEPBENDS TO BE MINIMUM OF 24 INCHES RADIUS.
7. 14" NYLON PULL-LINES IS TO BE INSTALLED IN EACH CONDUIT DUCT.
8. CONTRACTOR TO INSTALL MARKING TAPE ONE FOOT (1") ABOVE EACH CONDUIT RUN.
9. NO MORE THAN 180 DEGREES OF BENDS IN A CONDUIT RUN.
10. CONDUIT IS TO HAVE THREE (3) FEET (MINIMUM) OF COVER OVER IT.
11. 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.
12. 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.
13. ALL STREETLIGHTS SHALL BE INSTALLED 2'-6" BEHIND THE FACE OF THE CURB (EXCEPT AS NOTED ON PLANS).
14. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS / CATALOG CUTS FOR ALL LIGHTING EQUIPMENT TO MONTGOMERY COUNTY TRAFFIC OPERATIONS DIVISION FOR APPROVAL PRIOR TO INSTALLATION.



The logo for Mead & Hunt, Inc. features the company name in a large, black, serif font. The ampersand is stylized and grey. To the right of the logo, the company name is repeated in a smaller, black, sans-serif font, followed by the address: 7055 SAMUEL MORSE DRIVE, SUITE 100, COLUMBIA, MD 21046, (443) 741-3500, and the website URL WWW.MEADHUNT.COM.



NO.	REVISION	DATE	BY

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

WHITE FLINT METRO STATION ACCESS IMPROVEMENTS

LIGHTING NOTES AND DETAILS

SCALE : NONE DATE : SEPT 2021

Project No. : 502106 SHEET 11 of 28

9/22/2021
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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 MDOT 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

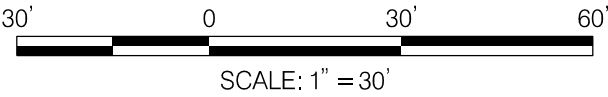
1. THE PERMITTEE WILL BE SOLELY RESPONSIBLE FOR ALL ACCIDENTS AND/OR DAMAGE TO PERSONS AND/OR PROPERTY DAMAGE RESULTING FROM HIS OPERATIONS.
2. HAZARDOUS MATERIALS SHALL NOT BE STORED WITHIN PUBLIC RIGHT-OF-WAY. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON THE ROADWAY SURFACE OR SIDEWALK DURING NON-WORK 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

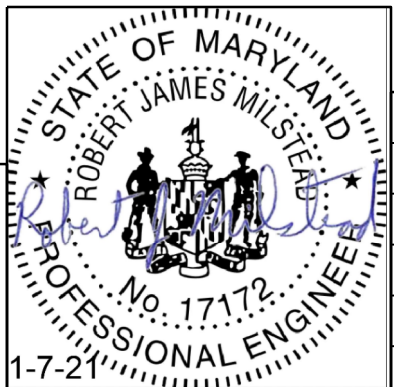
1. THE CONTRACTOR SHALL ARRANGE AND HOST A PRE-PHASE TRAFFIC SWITCH MEETING AT LEAST TWO WEEKS PRIOR TO SWITCHING TRAFFIC. THE FOLLOWING OFFICES SHALL BE NOTIFIED OF THIS MEETING AND OF THE IMPENDING TRAFFIC SWITCH:
- MONTGOMERY COUNTY DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS AT 240-777-6000
 - 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.

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

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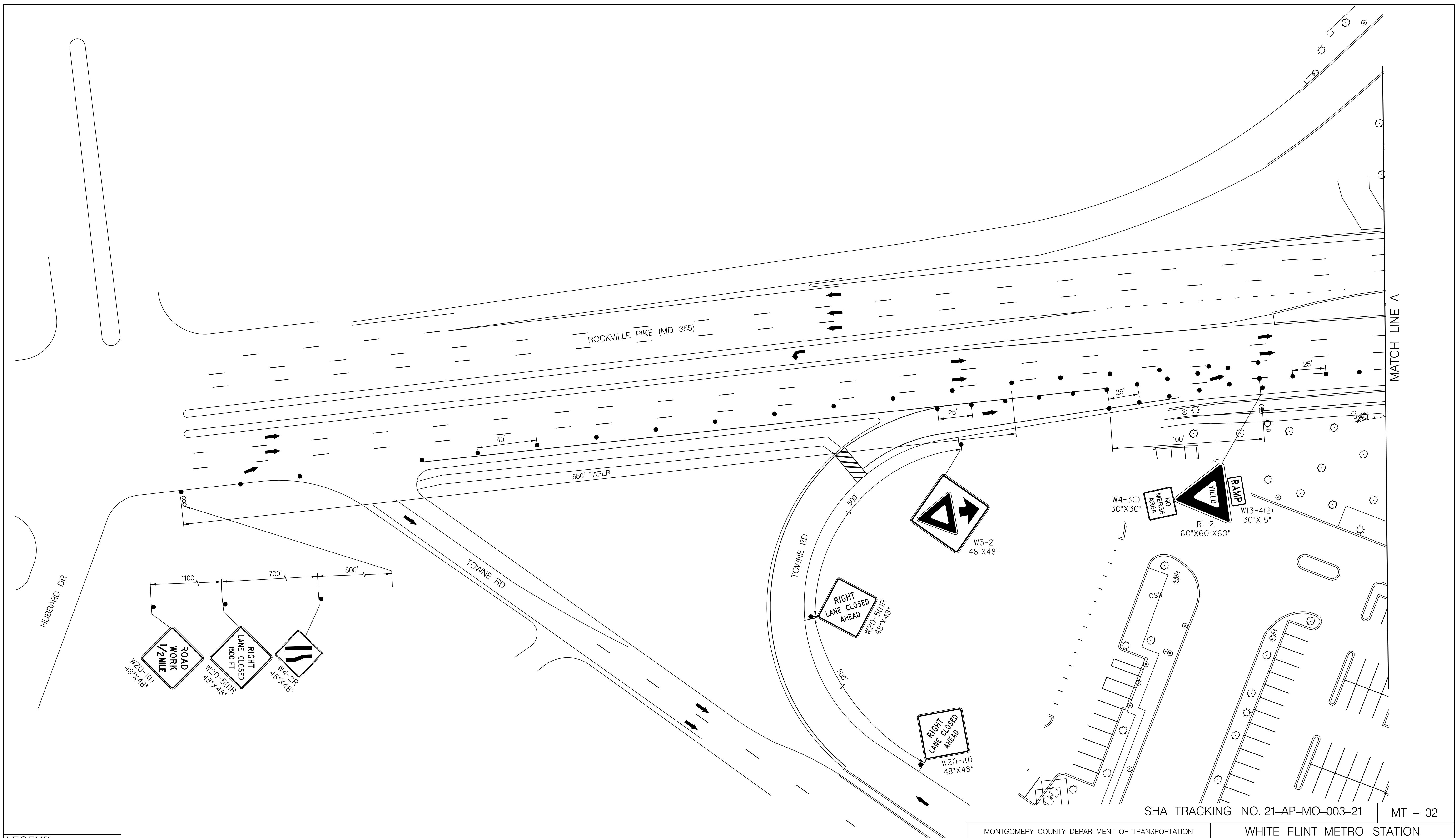
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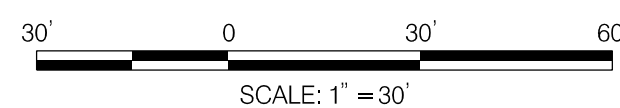
MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION DIVISION OF TRANSPORTATION ENGINEERING GAITHERSBURG, MARYLAND	
RECOMMENDED FOR APPROVAL	
SEE TITLE SHEET FOR SIGNATURES <small>Chief, Design Section</small>	Date _____
APPROVED	
SEE TITLE SHEET FOR SIGNATURES <small>Chief, Division of Transportation Engineering</small>	Date _____
Designed by : <u>RJM</u>	Drawn by : <u>WH</u> Checked by : _____

WHITE FLINT METRO STATION ACCESS IMPROVEMENTS	
MAINTENANCE OF TRAFFIC PLAN GENERAL NOTES	
SCALE : 1" = 30'	DATE : SEPT 2021
Project No. : <u>502106</u>	SHEET <u>12</u> of <u>28</u>



LEGEND

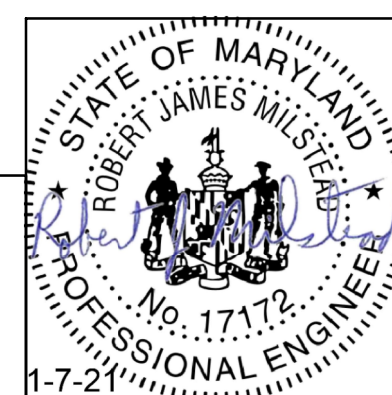
- DRUMS
- SIGN SUPPORT
- ↑ DIRECTION OF TRAFFIC
- WORK SITE
- ∞ ARROW PANEL
- ▨ TYPE III BARRICADE



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Chief, Division of Transportation Engineering

DATE

WHITE FLINT METRO STATION ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN

PHASE 1

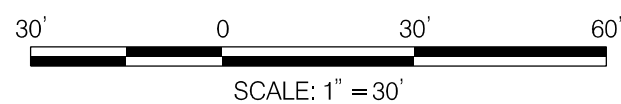
SCALE : 1" = 30' DATE : SEPT 2021

Project No. : 502106	SHEET 13 of 28
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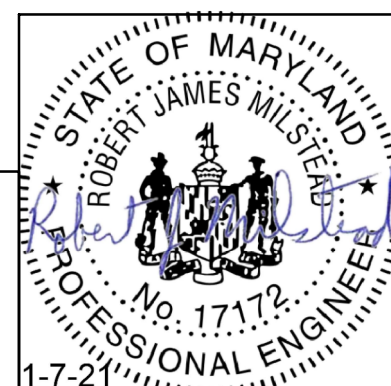
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APPROVED

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Chief, Division of Transportation Engineering

Date

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Drawn by: WH

Checked by:

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ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 1

SCALE : 1" = 30'

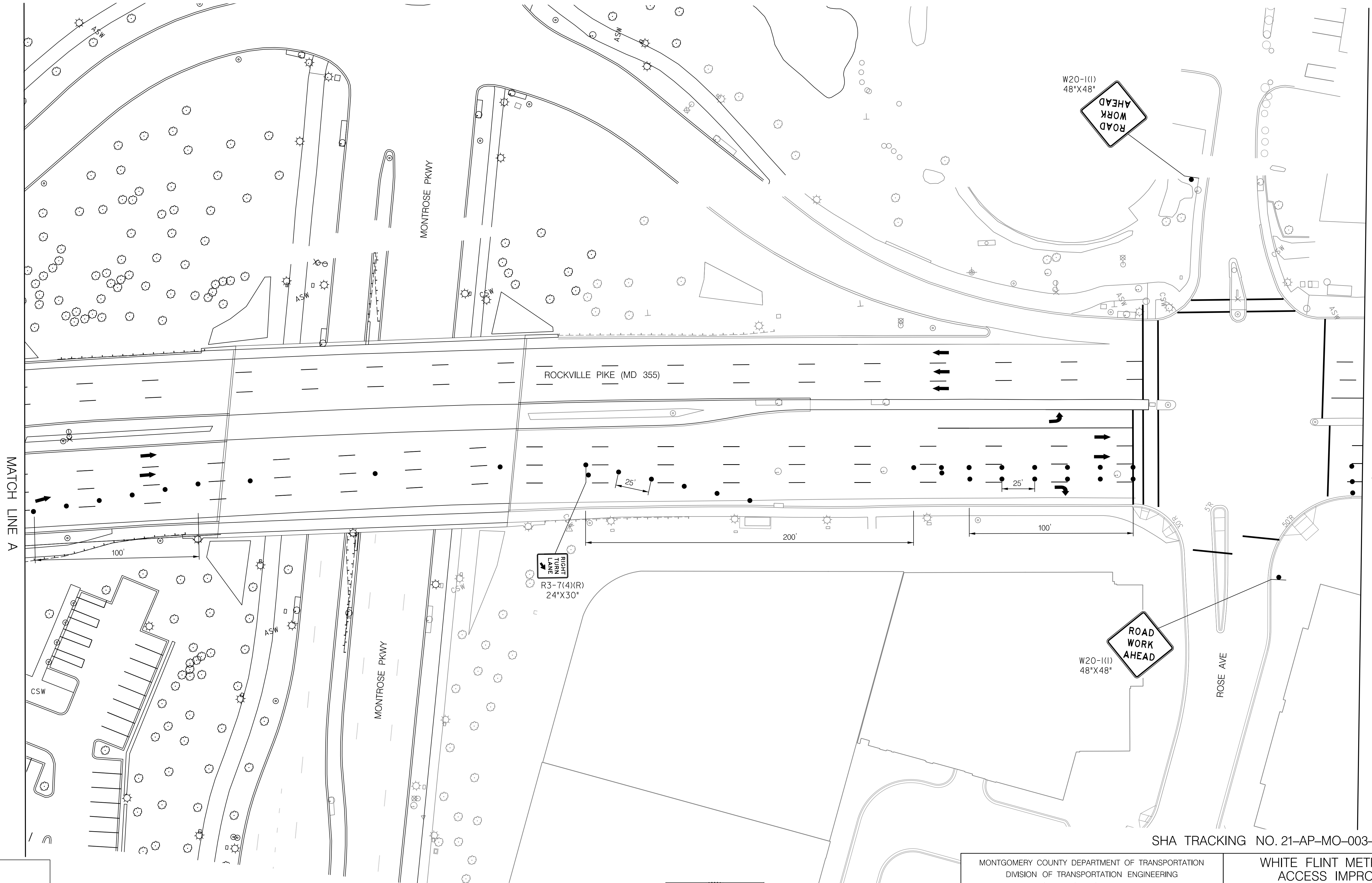
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Project No. : 502106

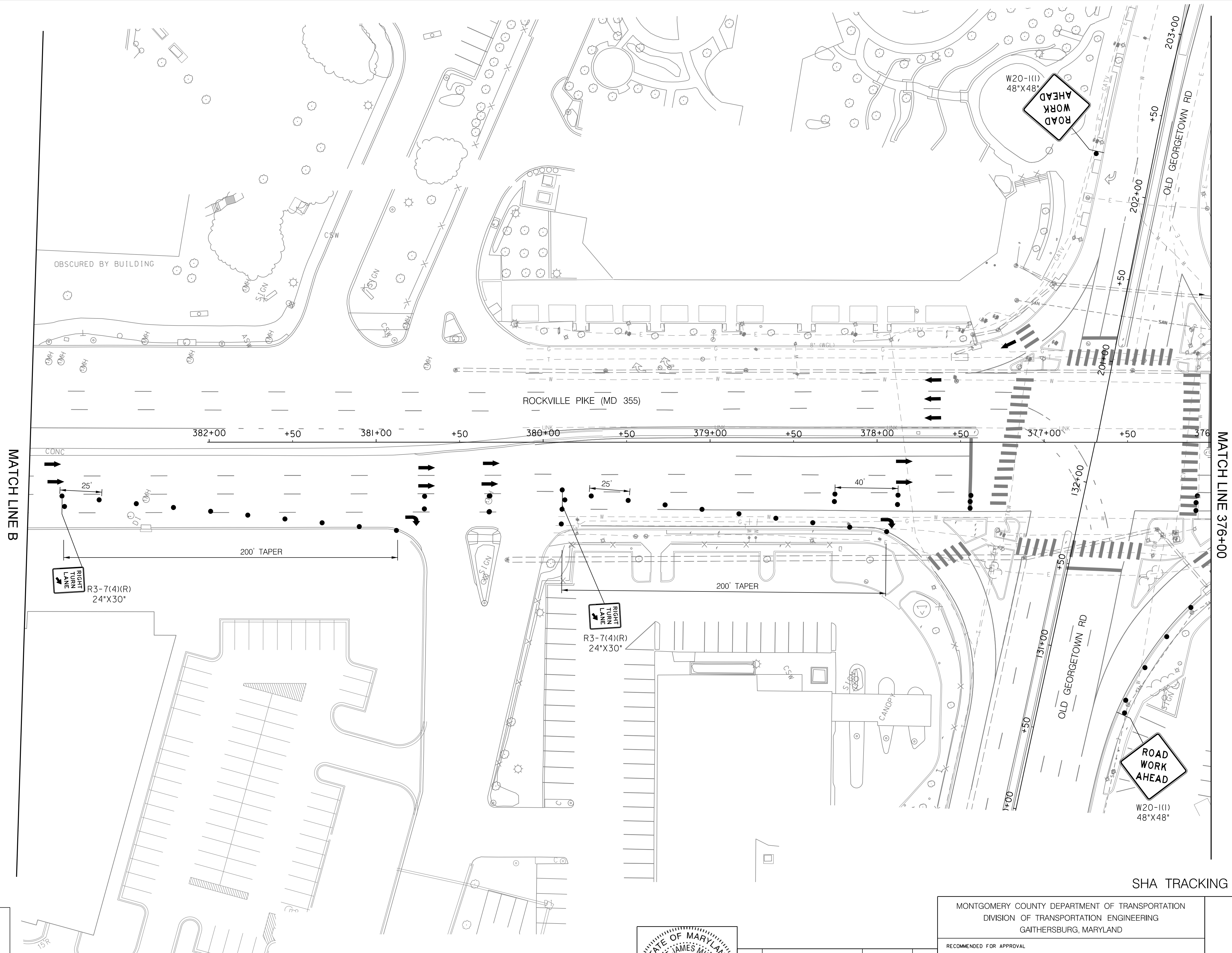
SHEET 14 of 28

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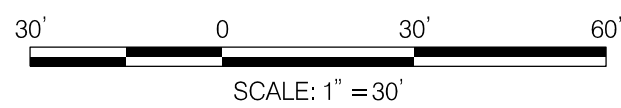


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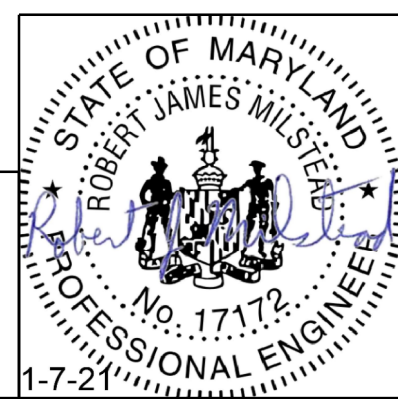
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ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN

PHASE 1

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DATE : SEPT 2021

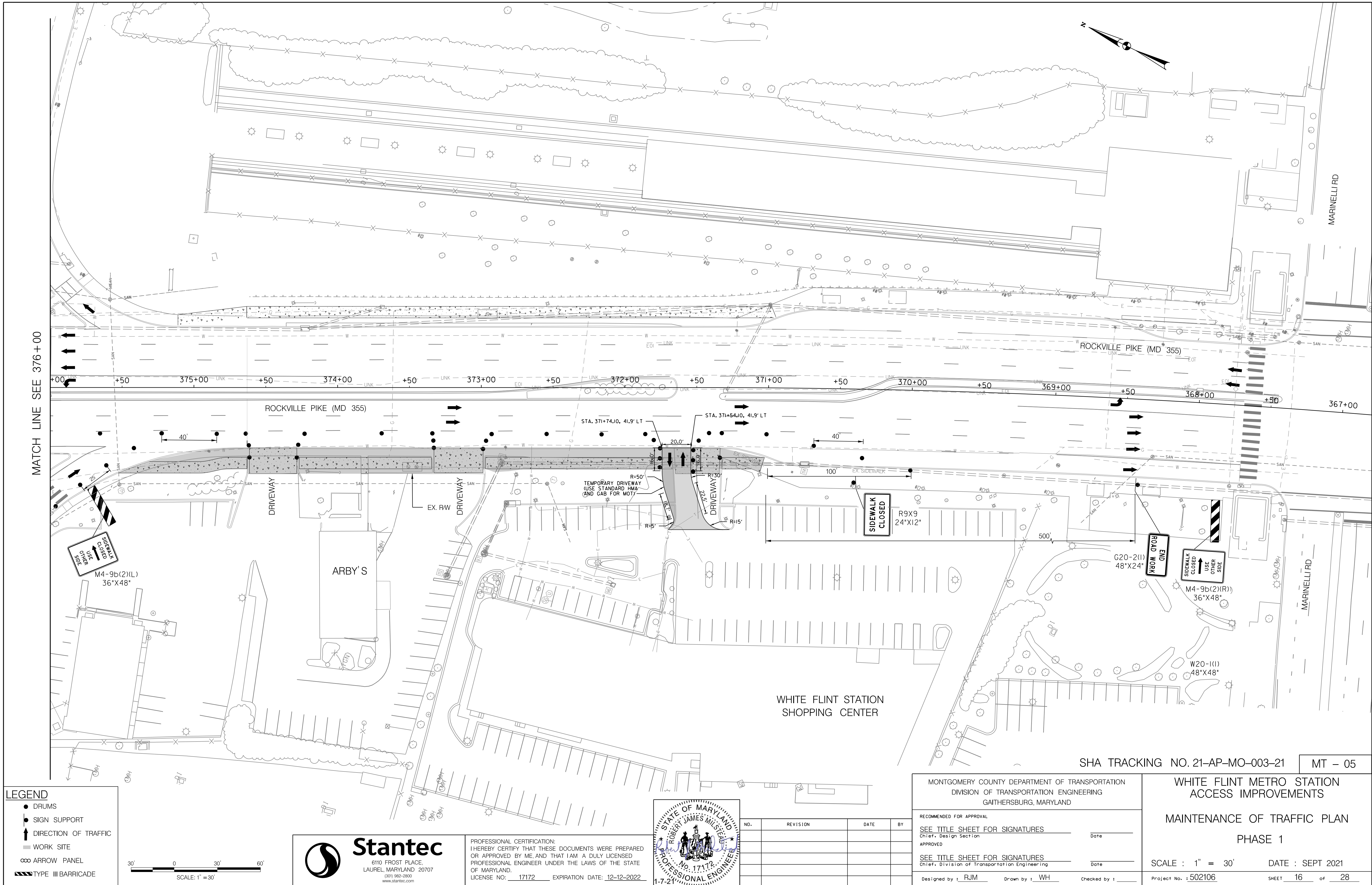
Project No. : 502106

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

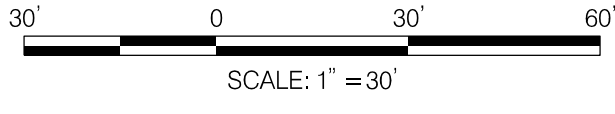
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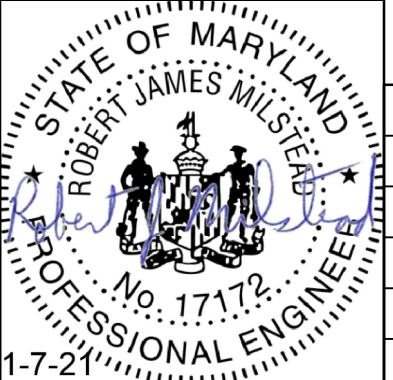
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Chief, Division of Transportation Engineering
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ACCESS IMPROVEMENTS

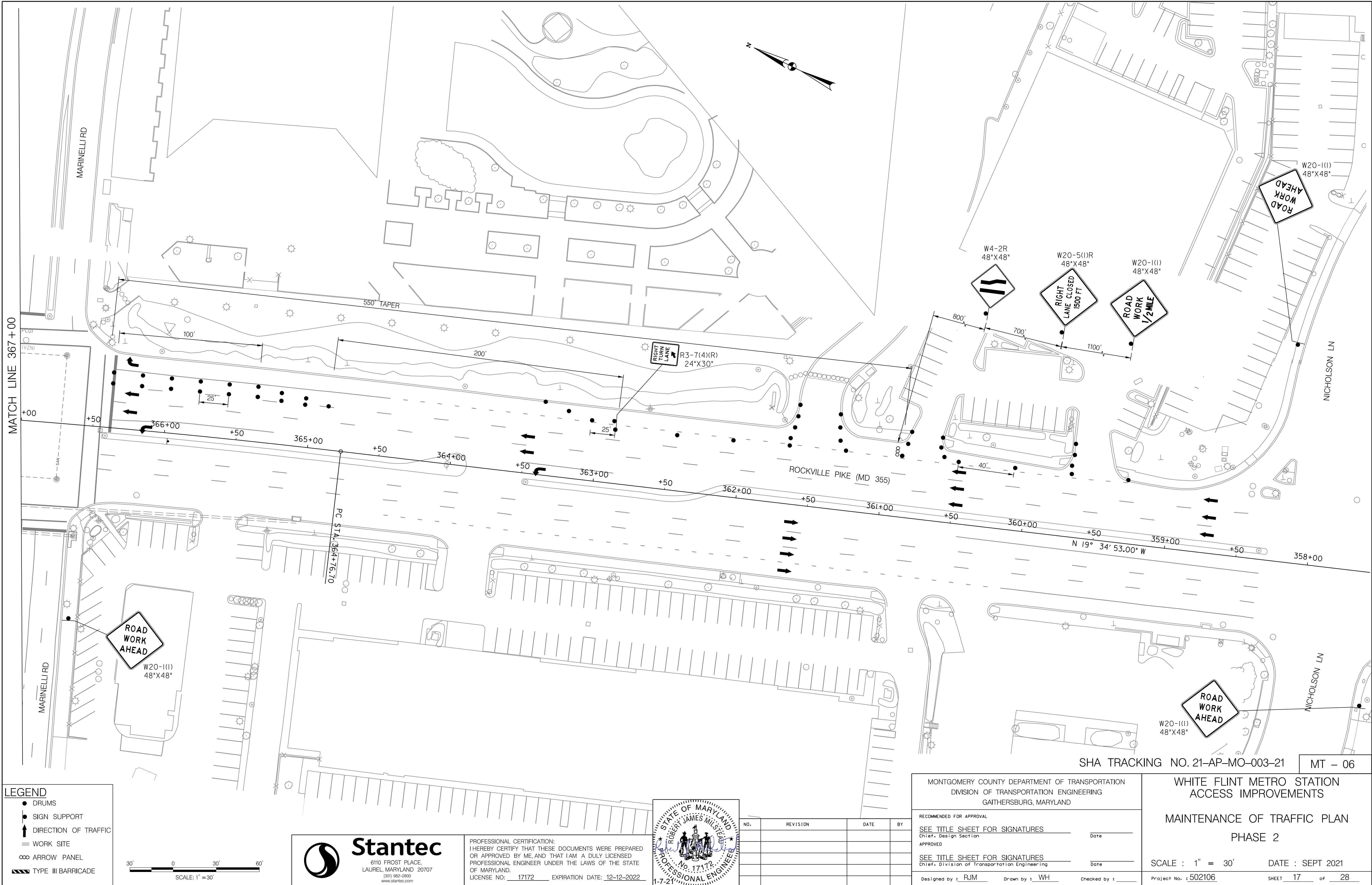
MAINTENANCE OF TRAFFIC PLAN
PHASE 1

SCALE : 1" = 30' DATE : SEPT 2021

Project No. : 502106 SHEET 16 of 28

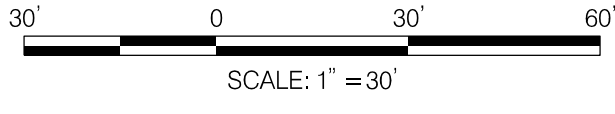
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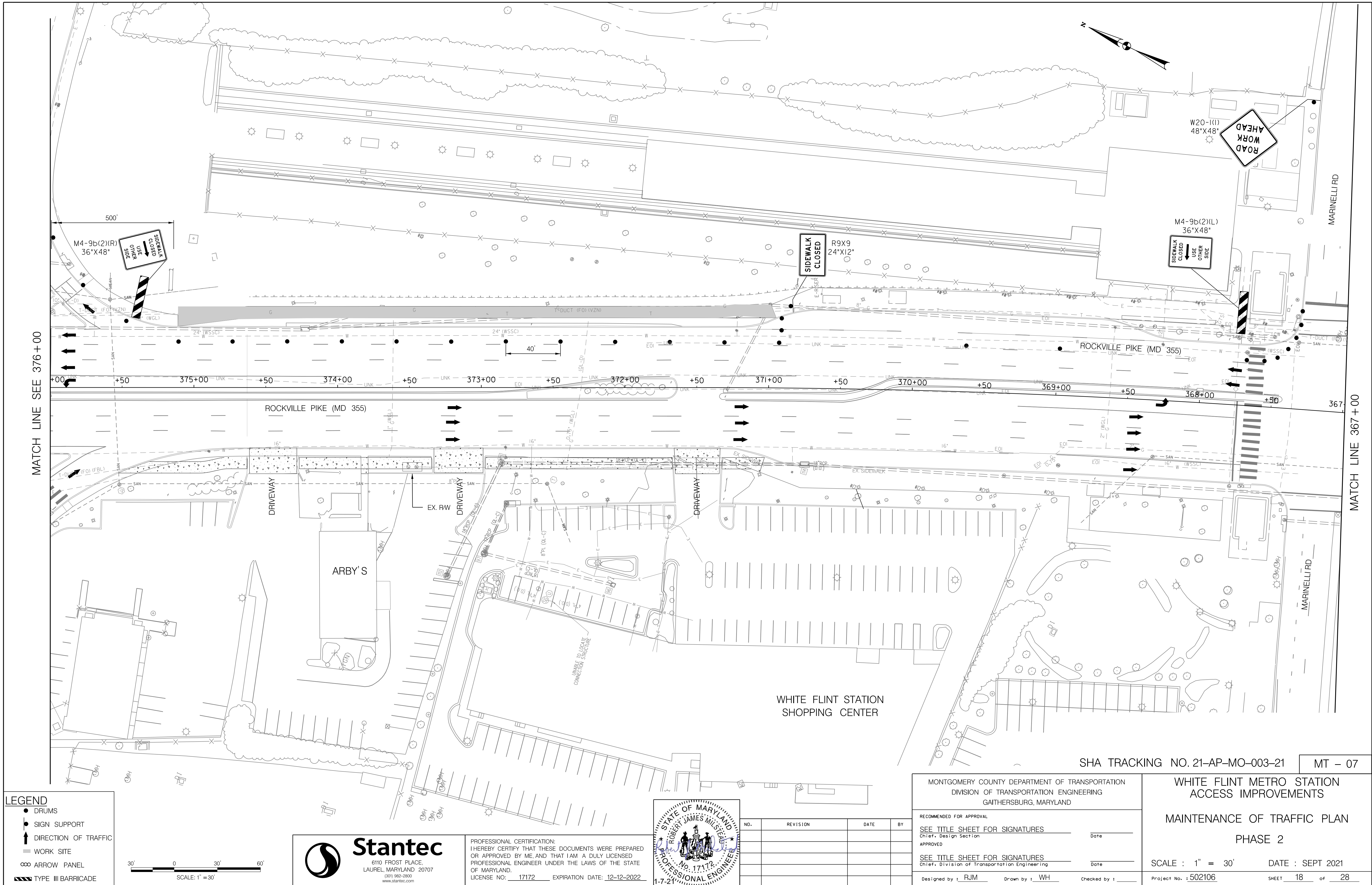


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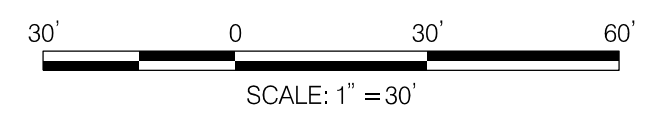
WHITE FLINT METRO STATION ACCESS IMPROVEMENTS	
MAINTENANCE OF TRAFFIC PLAN PHASE 2	
SCALE : 1" = 30'	DATE : SEPT 2021
Project No. : <u>502106</u>	SHEET <u>17</u> of <u>28</u>

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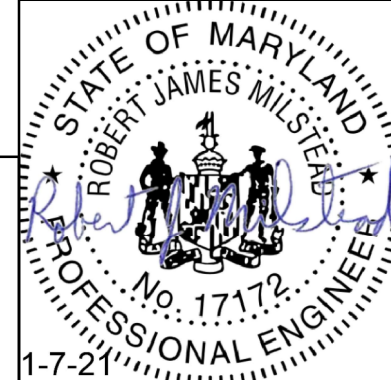
LEGEND

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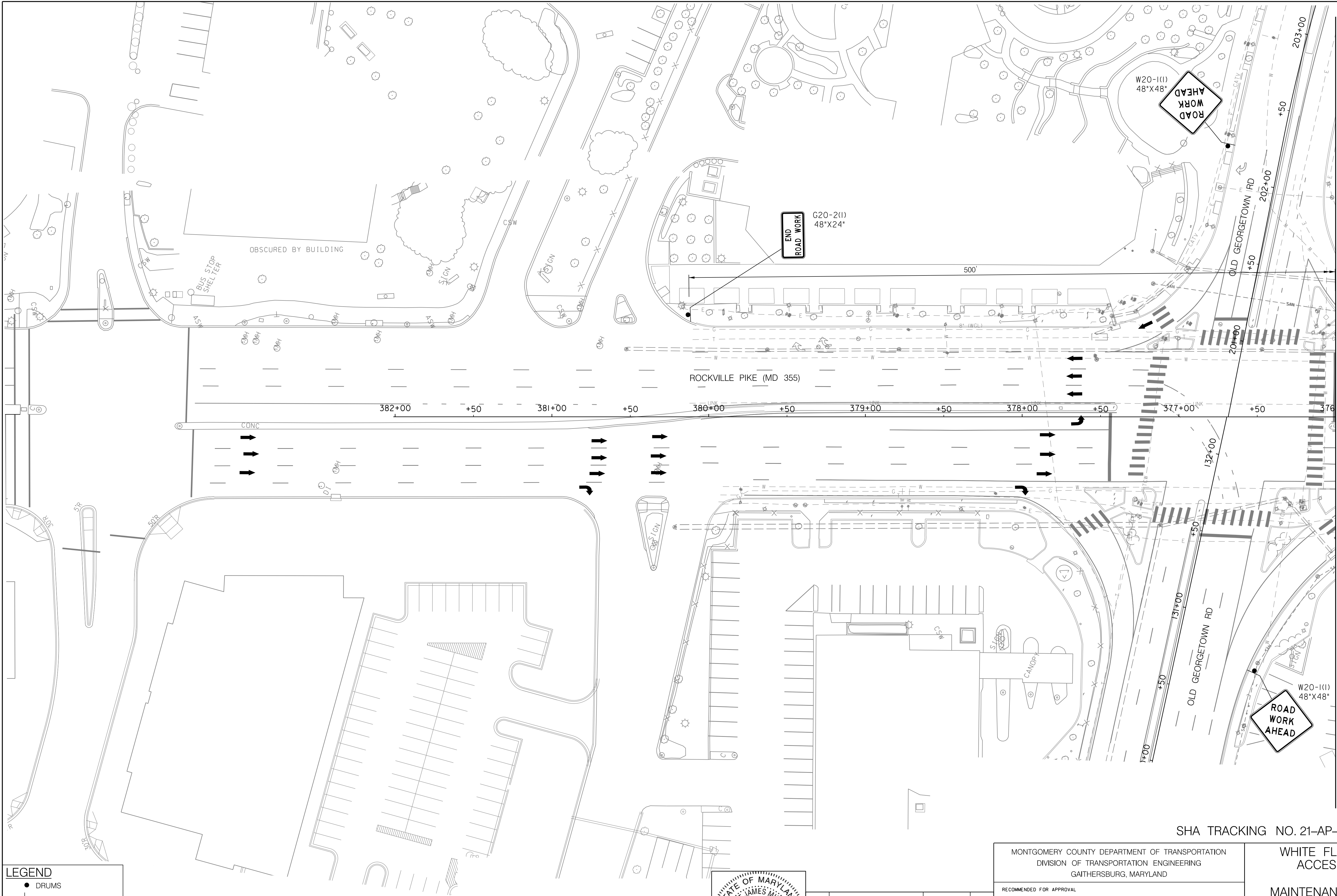
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MAINTENANCE OF TRAFFIC PLAN
PHASE 2

SCALE : 1" = 30' DATE : SEPT 2021

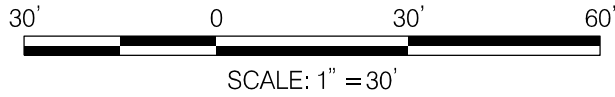
Project No. : 502106 SHEET 18 of 28

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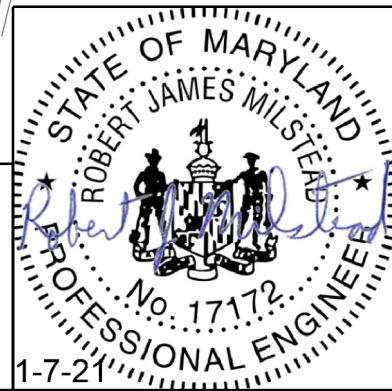
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APPROVED	
SEE TITLE SHEET FOR SIGNATURES Chief, Division of Transportation Engineering	Date
Designed by : RJM	Drawn by : WH
Checked by :	

WHITE FLINT METRO STATION ACCESS IMPROVEMENTS	
MAINTENANCE OF TRAFFIC PLAN PHASE 2	
SCALE : 1" = 30'	DATE : SEPT 2021
Project No. : 502106	SHEET 19 of 28

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

MDSHA - "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

MDSHA - "STANDARD SPECIFICATIONS FOR CONSTRUCTION & MATERIALS", 2008 EDITION AND SUBSEQUENT 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.

I. 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.

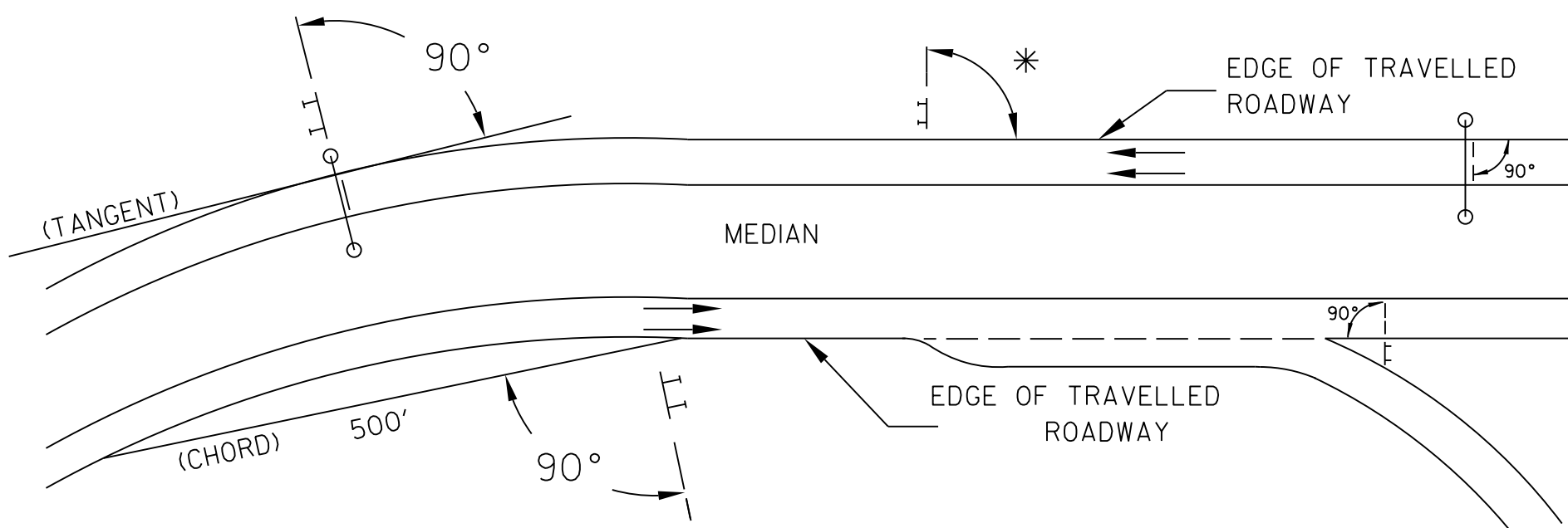
PANEL LAYOUT AND ALPHABETS

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 @ https://www.marylandroads.com/businesswithsha/bizStdSpecs/desManualStdPub/publicationsonline/oots/internet_signbook.asp

REFLECTORIZATION

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

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°

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 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 MDSHA'S STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS (JULY 2008) AND SUBSEQUENT REVISIONS
2. LISTED ON MDSHA 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

A) GUIDE, EXIT GORE, AND GENERAL INFORMATION SIGNS- RETROREFLECTIVE SHEETING FOR GUIDE SIGNS, EXIT GORE, AND GENERAL INFORMATION (INCLUDES WHITE ON GREEN, WHITE ON BLUE, WHITE ON BROWN AND THE REVERSE OF THESE COLORS) SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE IX LEGEND ON ASTM TYPE IX BACKGROUND. REGULATORY AND WARNING MESSAGES WITHIN GUIDE SIGNS SHALL BE NON-REFLECTIVE BLACK LEGEND ON BACKGROUND SHEETING WHICH MEETS OR EXCEEDS THE REQUIREMENTS FOR ASTM TYPE IX SHEETING.

B) WARNING SIGNS - RETROREFLECTIVE SHEETING FOR BLACK ON FLUORESCENT YELLOW WARNING SIGNS SHALL BE NON-REFLECTIVE BLACK LEGEND ON BACKGROUND SHEETING WHICH MEETS OR EXCEEDS THE REQUIREMENTS FOR ASTM TYPE IX SHEETING. REGULATORY MESSAGES WITHIN WARNING SIGNS SHALL FOLLOW THE GUIDELINES FOR REGULATORY SIGNS.

C) SCHOOL SIGNS - RETROREFLECTIVE SHEETING FOR SCHOOL SIGNS (BLACK ON FLUORESCENT YELLOW AND BLACK ON FLUORESCENT YELLOW GREEN) SHALL BE NON-REFLECTIVE BLACK LEGEND ON BACKGROUND SHEETING WHICH MEETS OR EXCEEDS THE REQUIREMENTS FOR ASTM TYPE IX SHEETING. REGULATORY MESSAGES WITHIN SCHOOL SIGNS SHALL FOLLOW THE REQUIREMENTS FOR REGULATORY SIGNS.

D) REGULATORY SIGNS - FALL INTO THREE SUBCATEGORIES:

- i. "RED" REGULATORY SIGNS (STOP, YIELD, DO NOT ENTER AND WRONG WAY)
RETROREFLECTIVE SHEETING FOR THESE SIGNS AND THEIR SUPPLEMENTAL PANELS (INCLUDES WHITE ON RED AND RED ON WHITE) SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE IX SHEETING.

ii. ALL R7 AND R8 SERIES PARKING RELATED SIGNS AND THEIR SUPPLEMENTAL PANELS, NO TRESPASSING SIGNS, AND SIGNS DIRECTED AT PEDESTRIANS AND BICYCLISTS ONLY (INCLUDES RED ON WHITE, GREEN ON WHITE, BLUE ON WHITE, BLACK ON WHITE AND THE REVERSE OF THESE COLORS) SHALL BE ASTM TYPE I LEGEND ON ASTM TYPE I BACKGROUND.

iii. ALL OTHER REGULATORY SIGNS - RETROREFLECTIVE SHEETING FOR THESE SIGNS AND THEIR SUPPLEMENTAL PANELS (INCLUDES BLACK ON WHITE) SHALL BE NON-REFLECTIVE BLACK LEGEND ON ASTM TYPE IV BACKGROUND. WHERE RED IS SPECIFIED, OR WHERE THE COLOR OF THE SIGN IS WHITE ON BLACK, THE LEGEND SHALL BE ASTM TYPE IV RETROREFLECTIVE SHEETING ON NON-REFLECTIVE BLACK BACKGROUND. WARNING MESSAGES WITHIN REGULATORY SIGNS SHALL FOLLOW THE GUIDELINES FOR WARNING SIGNS.

E) ROUTE MARKERS - RETROREFLECTIVE SHEETING FOR ROUTE MARKERS (INCLUDES BLACK ON WHITE, GREEN ON WHITE, WHITE ON GREEN, WHITE ON RED/BLUE) SHALL MEET THE REQUIREMENTS OF GUIDE SIGNS ABOVE WHEN SPECIFIED AS THE LEGEND OF A GUIDE SIGN. RETROREFLECTIVE SHEETING FOR ALL INDEPENDENT ROUTE MARKERS AND THEIR AUXILIARY PANELS SHALL BE ASTM TYPE IV AND/OR NON-REFLECTIVE BLACK LEGEND ON ASTM TYPE IV BACKGROUND.

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


G) 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"

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

SN - 01



MDOT
MARYLAND DEPARTMENT
OF TRANSPORTATION

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 355 (ROCKVILLE PIKE) AND
MD 187 (OLD GEORGETOWN RD)

STATE HIGHWAY
ADMINISTRATION

GENERAL NOTES AND PROPOSALS

SCALE _____ ADVERTISED DATE _____ CONTRACT NO. _____

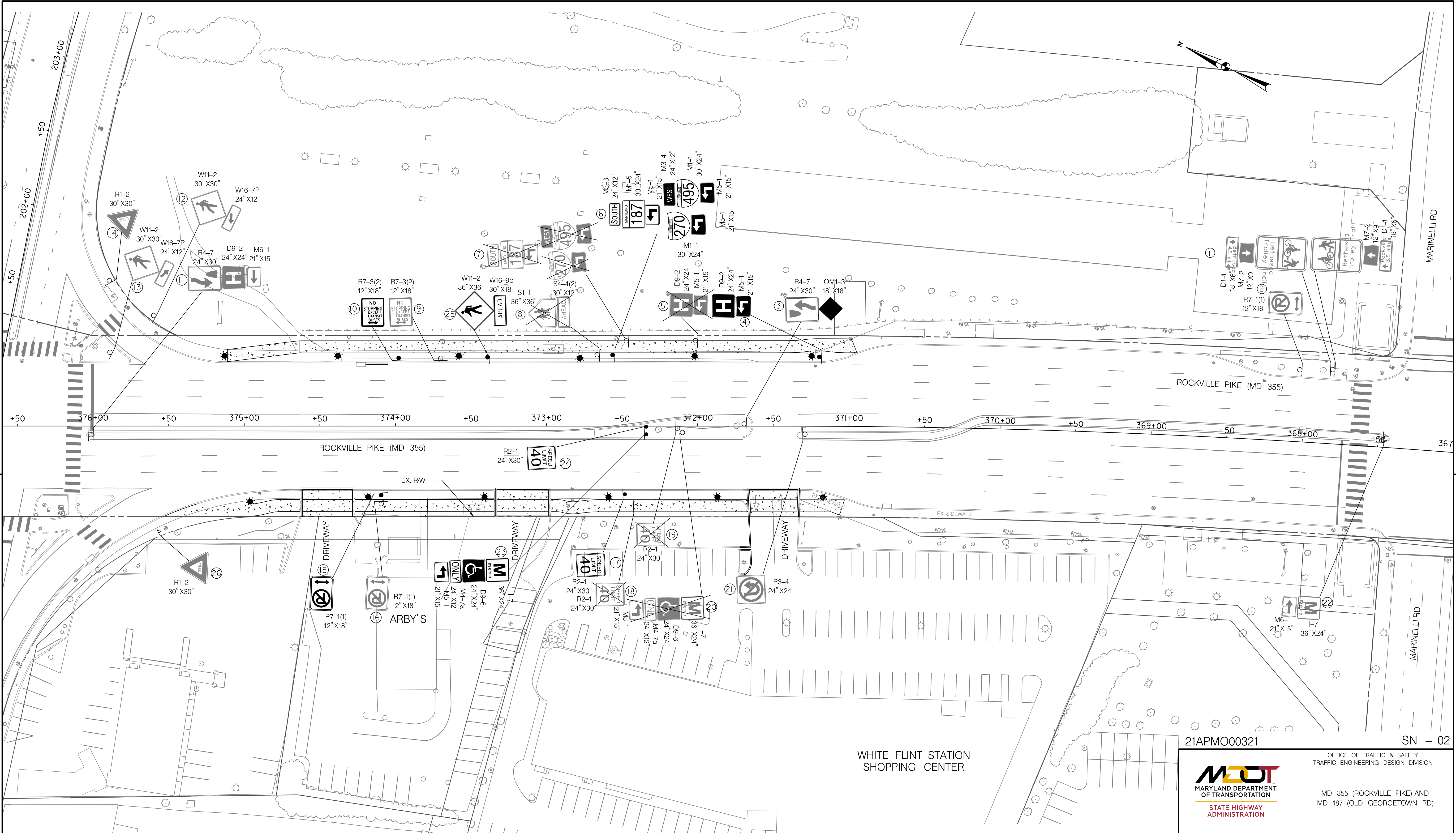
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DRAWN BY _____ LOGMILE _____ 15035506.356
CHECKED BY _____ TMS NO. _____
MDE/PRD _____ NA TOD NO. _____

DRAWING NO. SN-1 1 OF 1 SHEET NO. 20 OF 28



PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
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LICENSE NO: 17172 EXPIRATION DATE: 12-12-2022





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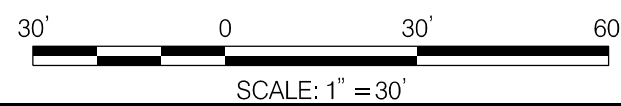
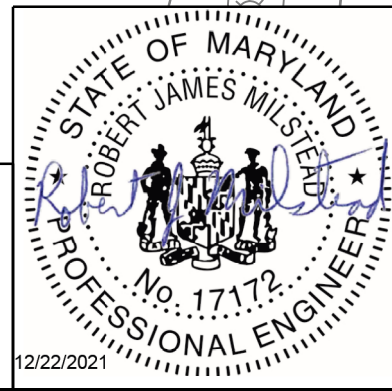
LEGEND

EXISTING SIGN SUPPORT
PROPOSED SIGN SUPPORT

CONCRETE SIDEWALK

EX. RIGHT OF WAY

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21APMO00321 SN - 02

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MDOT
MARYLAND DEPARTMENT
OF TRANSPORTATION
STATE HIGHWAY
ADMINISTRATION

MD 355 (ROCKVILLE PIKE) AND
MD 187 (OLD GEORGETOWN RD)

SIGNING AND PAVEMENT MARKING PLAN

SCALE _____ ADVERTISED DATE _____ CONTRACT NO. _____

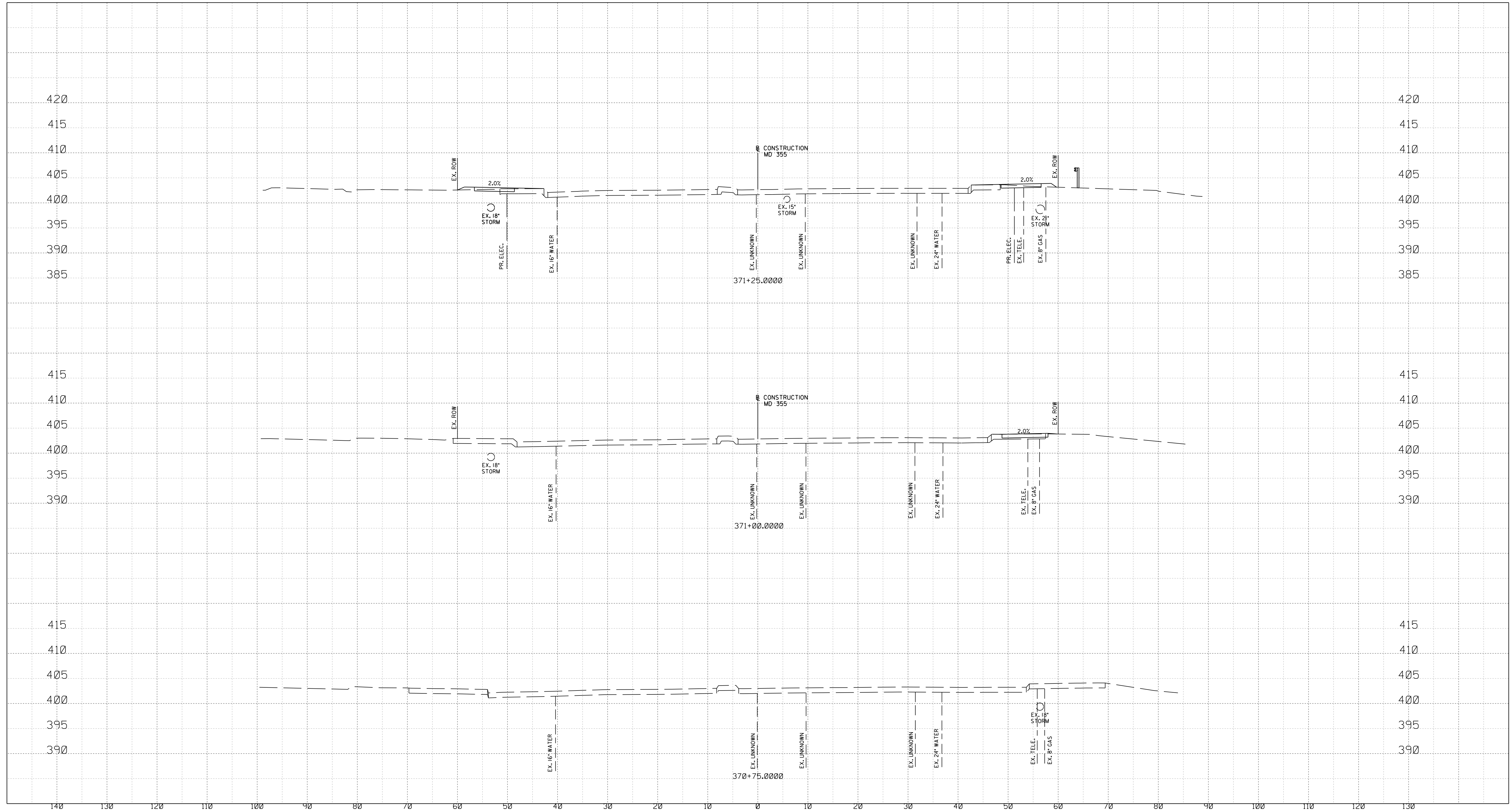
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CHECKED BY _____ TMS NO. _____
MDE/PRD _____ NA TOD NO. _____

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

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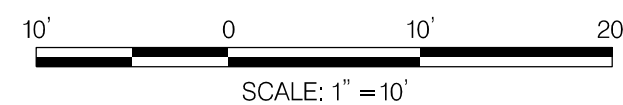
BY: rmilstead -

9/22/2021
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NOTE:

1. CONTRACTOR SHALL VERIFY ALL EXISTING UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
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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
Designed by : _____	Drawn by : _____
Checked by : _____	

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

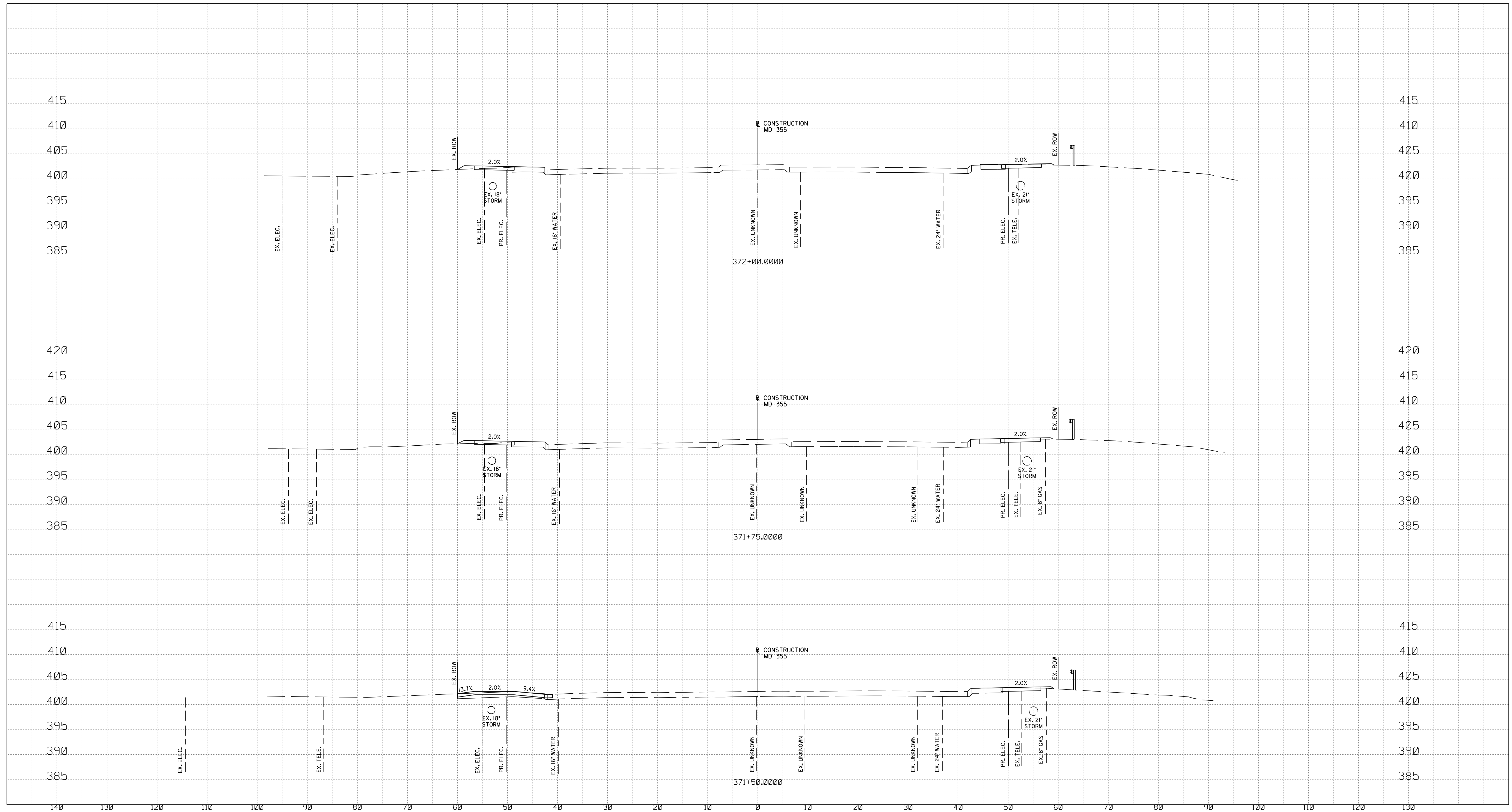
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WHITE FLINT STATION
PEDESTRIAN ACCESS IMPROVEMENTS
ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : SEPT 2021

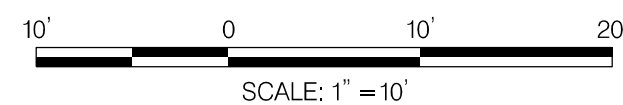
Project No. : 502106 SHEET 23 of 28

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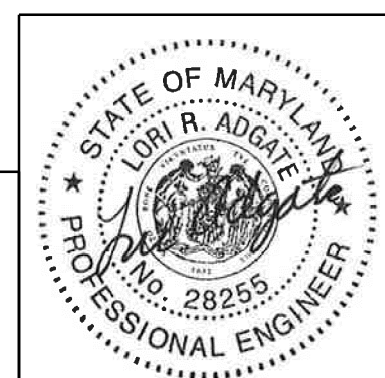
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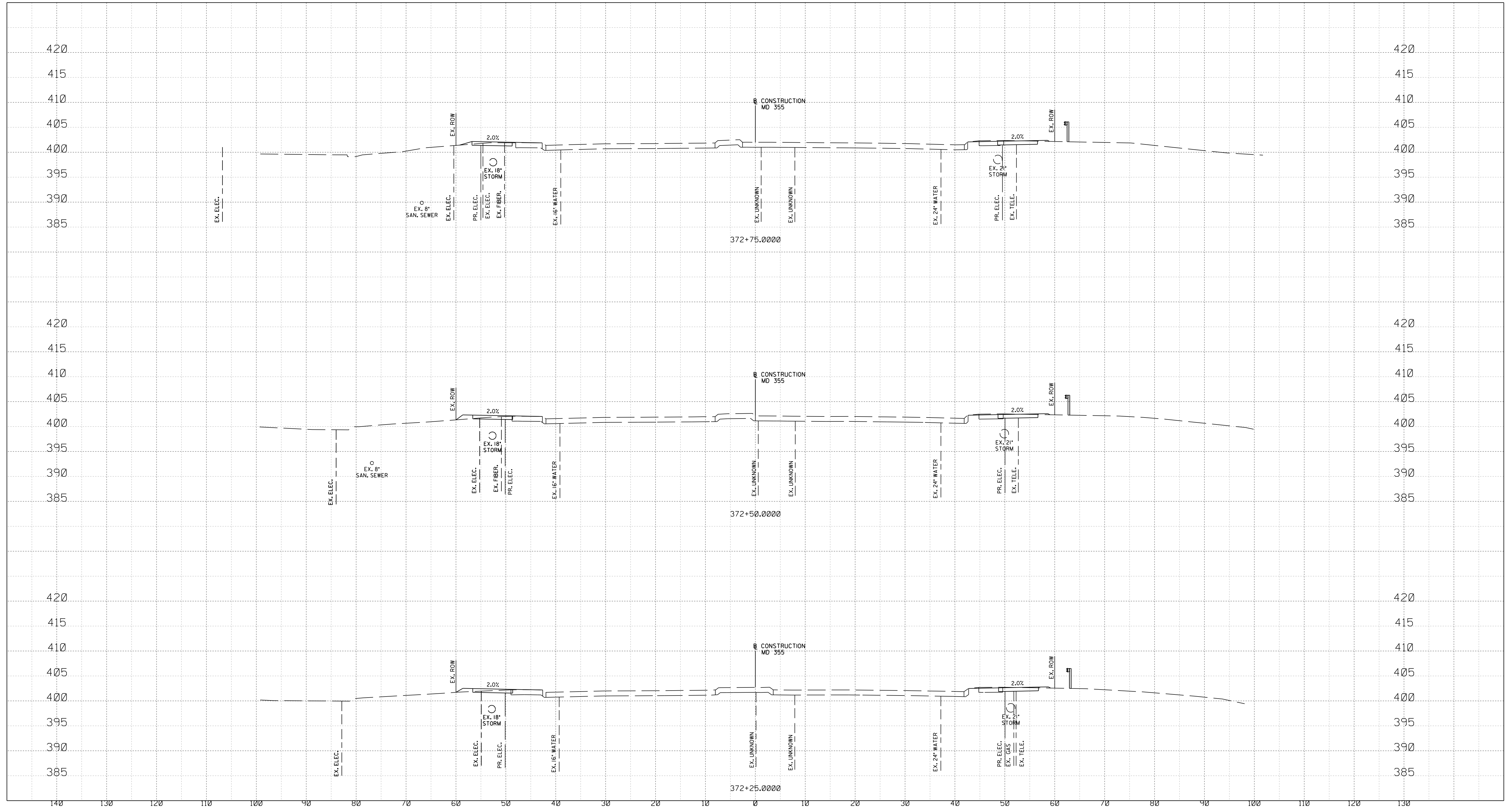
MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION DIVISION OF TRANSPORTATION ENGINEERING GAITHERSBURG, MARYLAND	
RECOMMENDED FOR APPROVAL	
Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date
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WHITE FLINT STATION
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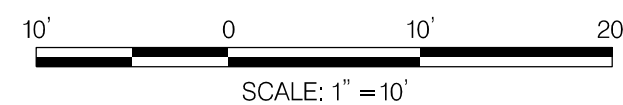
SCALE : 1" = 10' DATE : SEPT 2021
Project No. : 502106 SHEET 24 of 28

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SCALE: 1" = 10'



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Chief, Division of Transportation Engineering	Date
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Checked by : _____	

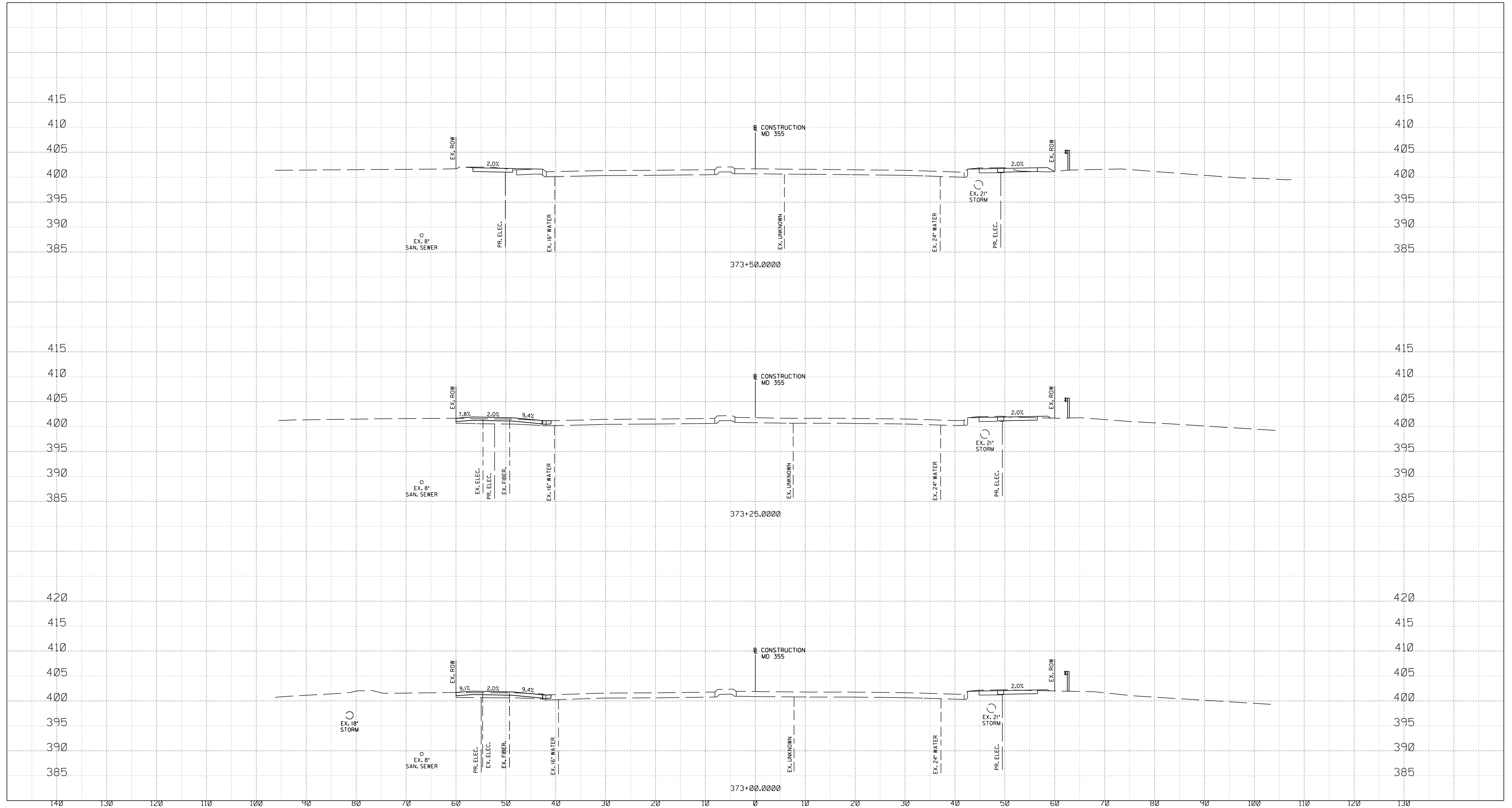
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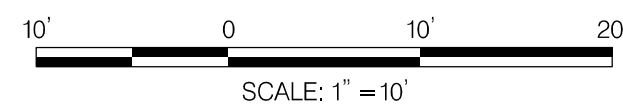
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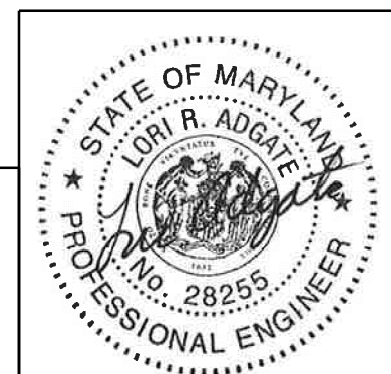


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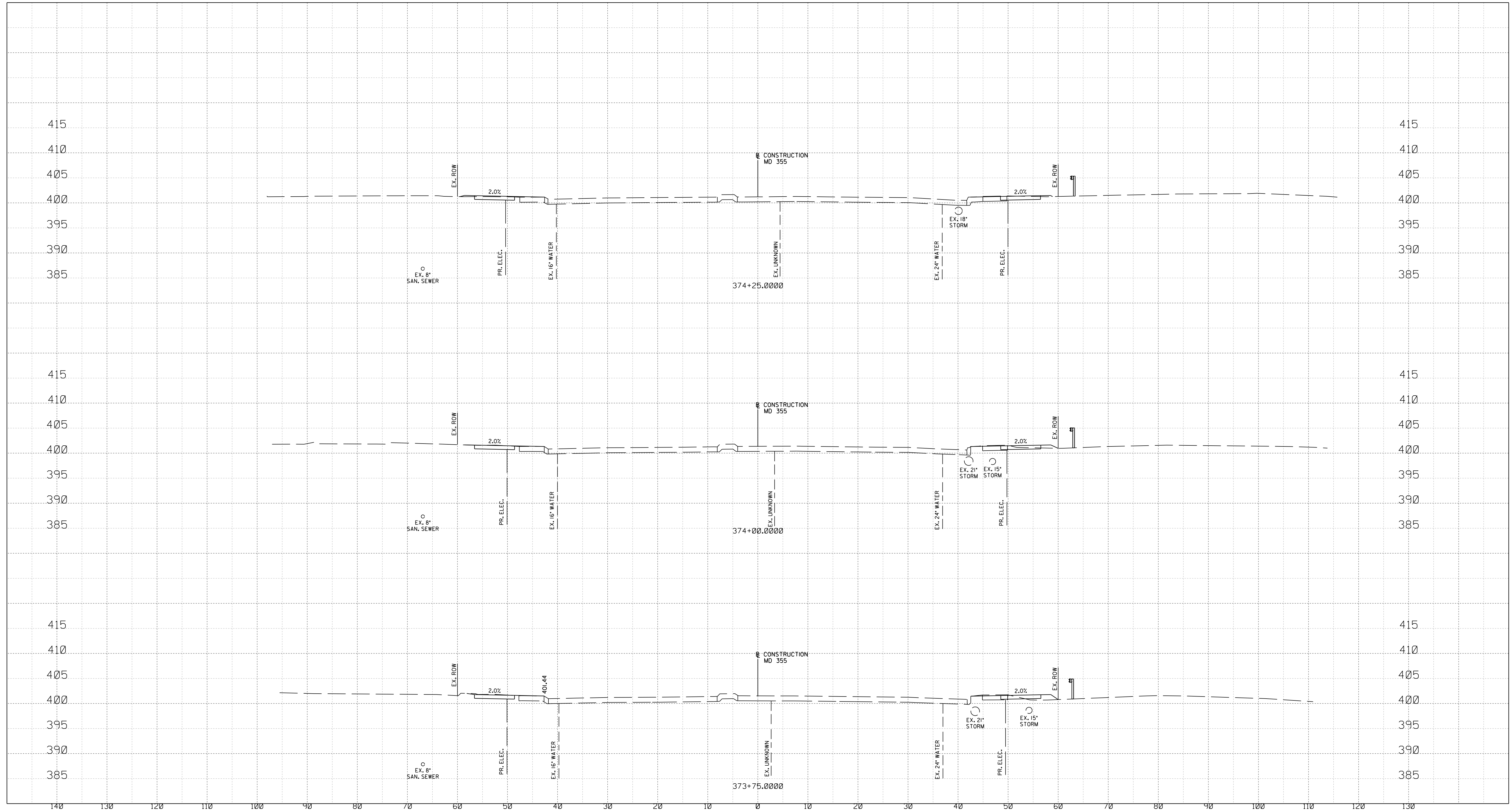
MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION DIVISION OF TRANSPORTATION ENGINEERING GAITHERSBURG, MARYLAND	
RECOMMENDED FOR APPROVAL	
Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date
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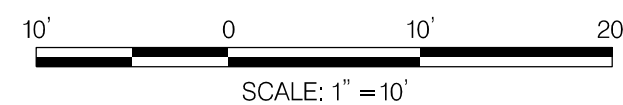
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Project No. : 502106 SHEET 26 of 28

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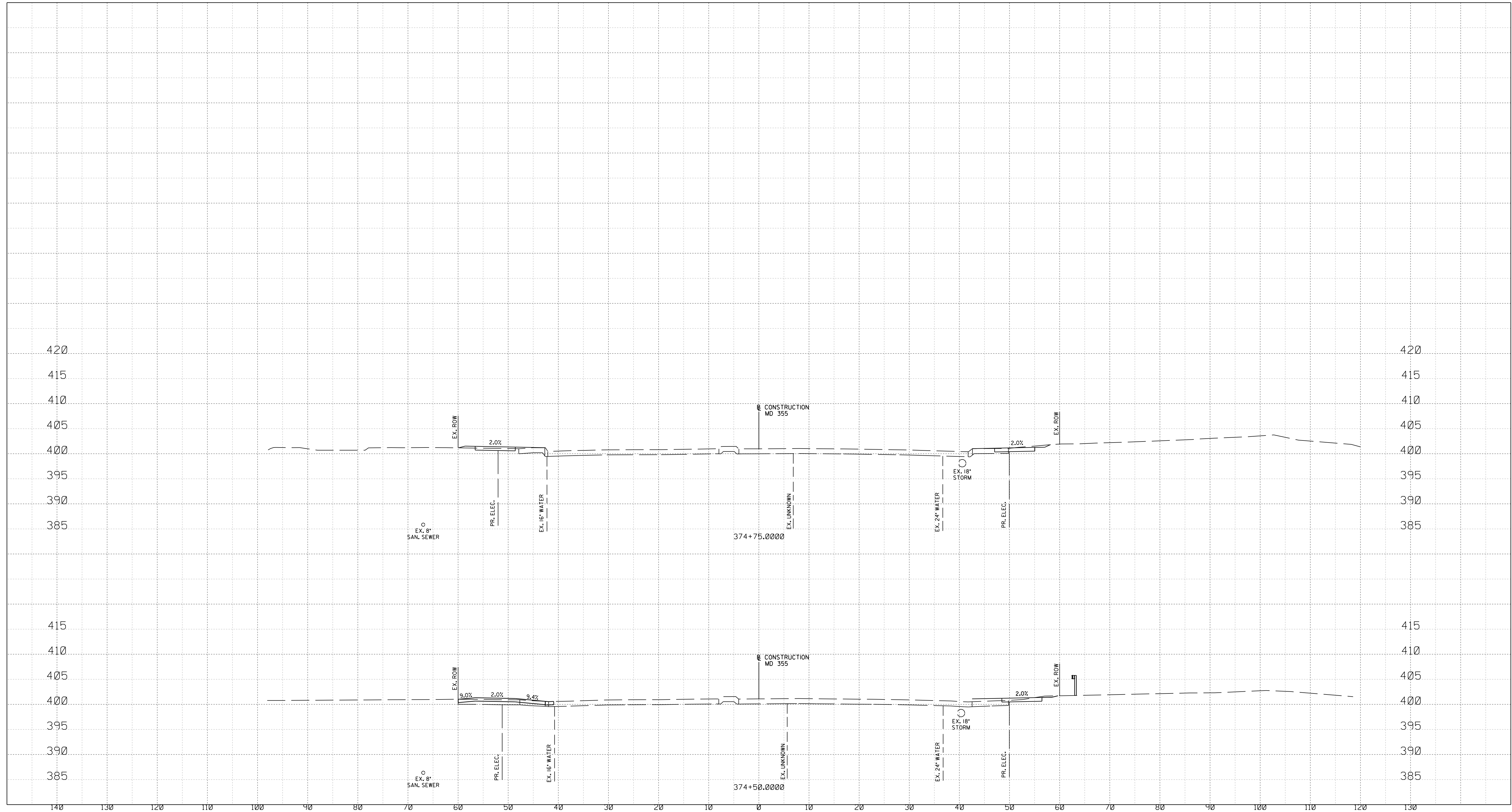
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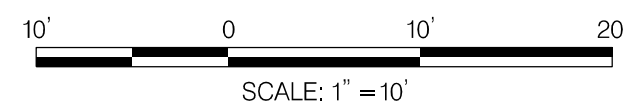
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WHITE FLINT STATION
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SCALE : 1" = 10' DATE : SEPT 2021

Project No. : 502106 SHEET 28 of 28