

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 104.06-25 - MEDIAN WORK ALL SPEEDS
- MD 374.04 - STANDARD WR INLET
- MD 374.05 - STANDARD WRM INLET
- MD 374.06 - SINGLE WR INLET
- MD 374.08 - TRIPLE WR INLET
- MD 374.51 - PRECAST OR CAST IN PLACE SQUARE AND RECTANGULAR COG INLETS 5', 10', 15', & 20'
- MD 383.11 - STANDARD DROP MANHOLE
- MD 383.21 - STANDARD 4" CIRCULAR MANHOLE MAX. DEPTH 36"
- MD 384.03 - 60" DIAMETER PRECAST MANHOLE FOR 27" TO 36" PIPES
- MD 384.05 - 72" DIAMETER PRECAST MANHOLE FOR 42" & 48" PIPES
- MD 387.11 - 01 - LONGITUDINAL UNDERDRAIN LOCATED AT CURB & GUTTER FOR FLEXIBLE PAVEMENT
- MD 578.01 - REPAIRING PAVEMENT OPENINGS FOR UTILITY TRENCHES
- MD 580.03 - NEW CURB AND GUTTER PLACEMENT ALONG EXISTING PAVEMENT
- MD 620.02 - STANDARD TYPES A AND B CONCRETE CURB AND COMBINATION CONCRETE CURB & GUTTER
- MD 630.02 - STANDARD ENTRANCE CONSTRUCTION RESIDENTIAL AND COMMERCIAL, METHOD NO. 2
- MD 645.01 - STANDARD MONOLITHIC CONCRETE MEDIAN TYPE A
- MD 655.11 - SIDEWALK RAMPS PERPENDICULAR
- MD 655.21 - CUT-THROUGH MEDIAN AND ISLAND OPENINGS
- 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: <http://apps.roads.maryland.gov/businesswithsho/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.

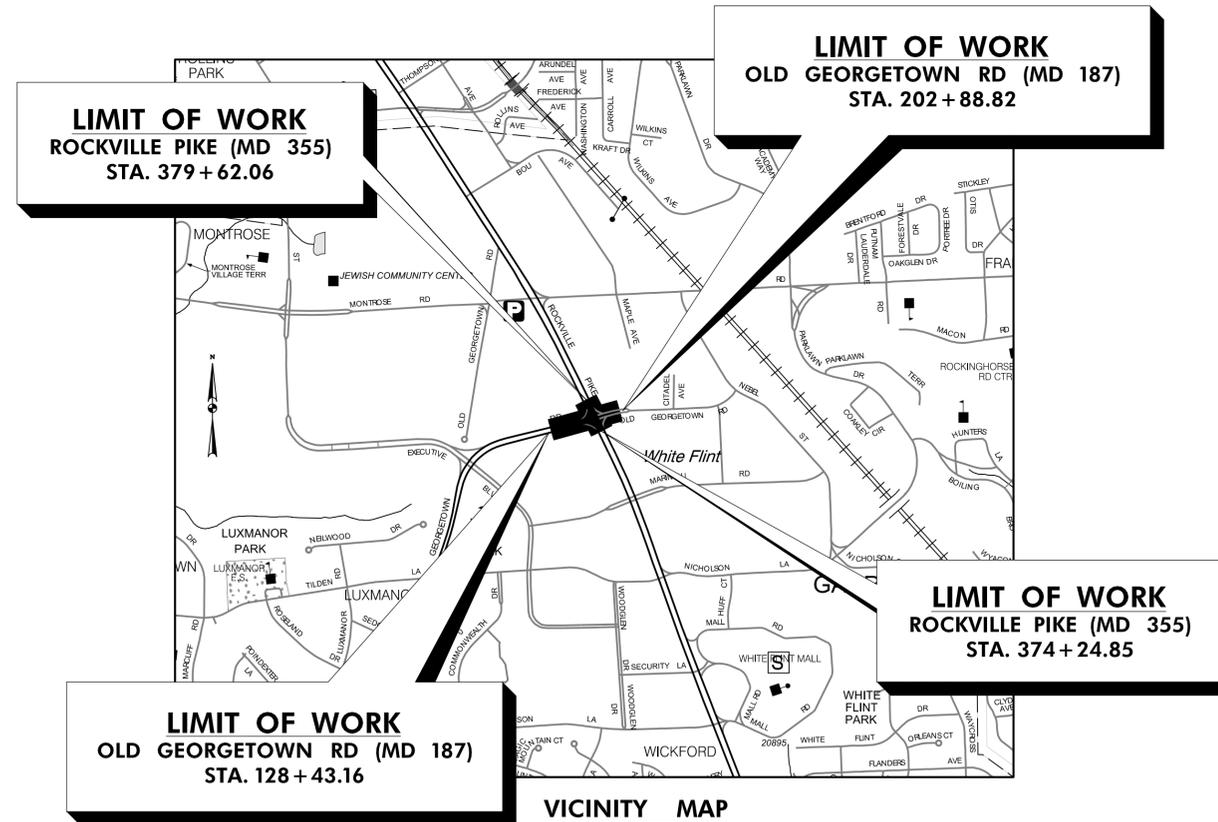
MONTGOMERY COUNTY, MARYLAND DEPARTMENT OF TRANSPORTATION

WHITE FLINT METRO STATION ACCESS IMPROVEMENTS

C. I. P. PROJECT NO. 502106 SHA TRACKING NO. 21-AP-MO-008-XX

**95% SUBMITTAL
JUNE 2022**

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



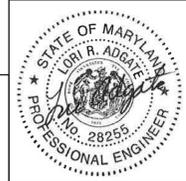
VICINITY MAP
SCALE: 1" = 1000'

SC/SWM Sheet	Sheet No.	Drawing No.	Sheet Name
	01	TI-01	TITLE SHEET
	02	GN-01	GENERAL NOTES, DESIGN TRAFFIC DATA, SYMBOLS, ABBREVIATIONS
	03	GS-01	GEOMETRIC LAYOUT
	04	TS-01	TYPICAL SECTIONS
	05	TS-02	TYPICAL SECTIONS
	06	DT-01	PAVING DETAILS
	07	PS-01	ROADWAY PLAN
	08	PS-01A	ROADWAY CONSTRUCTION NOTES
	09	PR-01	ROADWAY PROFILES
SC/SWM-02	10	DD-01	DRAINAGE AND STORMWATER MANAGEMENT PLAN
SC/SWM-03	11	DD-02	DRAINAGE AND STORMWATER MANAGEMENT PLAN
SC/SWM-04	12	DD-03	DRAINAGE AND STORMWATER MANAGEMENT PLAN
SC/SWM-05	13	PP-01	PIPE PROFILES
SC/SWM-06	14	PP-02	PIPE PROFILES
SC/SWM-07	15	DA-01	EXISTING DRAINAGE AREA MAP
SC/SWM-08	16	DA-02	EXISTING DRAINAGE AREA MAP
SC/SWM-09	17	DA-03	EXISTING DRAINAGE AREA MAP
SC/SWM-10	18	DA-04	PROPOSED DRAINAGE AREA MAP
SC/SWM-11	19	DA-05	PROPOSED DRAINAGE AREA MAP
SC/SWM-12	20	DA-06	PROPOSED DRAINAGE AREA MAP
SC/SWM-01	21	ES-00	EROSION AND SEDIMENT CONTROL TITLE SHEET
SC/SWM-13	22	ES-01	EROSION AND SEDIMENT CONTROL NOTES
SC/SWM-14	23	ES-02	EROSION AND SEDIMENT CONTROL NOTES
SC/SWM-15	24	ES-03	EROSION AND SEDIMENT CONTROL DETAILS & EARTHWORK SUMMARY
SC/SWM-16	25	ES-04	EROSION AND SEDIMENT CONTROL PLAN
SC/SWM-17	26	LP-01	LANDSCAPE PLAN & TREE PROTECTION PLAN
SC/SWM-18	27	LP-02	LANDSCAPE NOTES & DETAILS
	28	LT-01	LIGHTING PLAN
	29	LT-02	LIGHTING NOTES & DETAILS
	30	SG-01	SIGNAL PLAN
	31	SG-02	SIGNAL PLAN GENERAL NOTES
	32	MT-01	MAINTENANCE OF TRAFFIC GENERAL NOTES
	33	MT-02	MAINTENANCE OF TRAFFIC PLAN - PHASE 1
	34	MT-03	MAINTENANCE OF TRAFFIC PLAN - PHASE 1
	35	MT-04	MAINTENANCE OF TRAFFIC PLAN - PHASE 1
	36	MT-05	MAINTENANCE OF TRAFFIC PLAN - PHASE 1
	37	MT-06	MAINTENANCE OF TRAFFIC PLAN - PHASE 1
	38	MT-07	MAINTENANCE OF TRAFFIC PLAN - PHASE 1
	39	MT-08	MAINTENANCE OF TRAFFIC PLAN - PHASE 1
	40	MT-09	MAINTENANCE OF TRAFFIC PLAN - PHASE 1
	41	MT-10	MAINTENANCE OF TRAFFIC PLAN - PHASE 2
	42	MT-11	MAINTENANCE OF TRAFFIC PLAN - PHASE 2
	43	MT-12	MAINTENANCE OF TRAFFIC PLAN - PHASE 2
	44	MT-13	MAINTENANCE OF TRAFFIC PLAN - PHASE 2
	45	MT-14	MAINTENANCE OF TRAFFIC PLAN - PHASE 3
	46	MT-15	MAINTENANCE OF TRAFFIC PLAN - PHASE 3
	47	MT-16	MAINTENANCE OF TRAFFIC PLAN - PHASE 3
	48	MT-17	MAINTENANCE OF TRAFFIC PLAN - PHASE 3
	49	MT-18	MAINTENANCE OF TRAFFIC PLAN - PHASE 3
	50	MT-19	MAINTENANCE OF TRAFFIC PLAN - PHASE 3
	51	MT-20	MAINTENANCE OF TRAFFIC PLAN - PHASE 3
	52	MT-21	MAINTENANCE OF TRAFFIC PLAN - PHASE 4
	53	MT-22	MAINTENANCE OF TRAFFIC PLAN - PHASE 4
	54	MT-23	MAINTENANCE OF TRAFFIC PLAN - PHASE 4
	55	MT-24	MAINTENANCE OF TRAFFIC PLAN - PHASE 4
	56	MT-25	MAINTENANCE OF TRAFFIC PLAN - PHASE 4
	57	MT-26	MAINTENANCE OF TRAFFIC PLAN - PHASE 4
	58	MT-27	MAINTENANCE OF TRAFFIC PLAN - PHASE 5
	59	MT-28	MAINTENANCE OF TRAFFIC PLAN - PHASE 5
	60	MT-29	MAINTENANCE OF TRAFFIC PLAN - PHASE 5
	61	MT-30	MAINTENANCE OF TRAFFIC PLAN - PHASE 5
	62	MT-31	MAINTENANCE OF TRAFFIC PLAN - PHASE 6
	63	MT-32	MAINTENANCE OF TRAFFIC PLAN - PHASE 6
	64	MT-33	MAINTENANCE OF TRAFFIC PLAN - PHASE 6
	65	MT-34	MAINTENANCE OF TRAFFIC PLAN - PHASE 6
	66	MT-35	MAINTENANCE OF TRAFFIC PLAN - PHASE 6
	67	MT-36	MAINTENANCE OF TRAFFIC PLAN - PHASE 6
	68	MT-37	MAINTENANCE OF TRAFFIC PLAN - PHASE 7
	69	MT-38	MAINTENANCE OF TRAFFIC PLAN - PHASE 7
	70	MT-39	MAINTENANCE OF TRAFFIC PLAN - PHASE 7
	71	MT-40	MAINTENANCE OF TRAFFIC PLAN - PHASE 7
	72	MT-41	MAINTENANCE OF TRAFFIC PLAN - PHASE 7
	73	MT-42	MAINTENANCE OF TRAFFIC PLAN - PHASE 7
	74	SN-01	SIGNING & PAVEMENT MARKING GENERAL NOTES
	75	SN-02	SIGNING & PAVEMENT MARKING PLAN
	76	SN-03	SIGNING & PAVEMENT MARKING QUANTITIES
	77	X5-01	ROADWAY CROSS SECTIONS
	78	X5-02	ROADWAY CROSS SECTIONS
	79	X5-03	ROADWAY CROSS SECTIONS
	80	X5-04	ROADWAY CROSS SECTIONS
	81	X5-05	ROADWAY CROSS SECTIONS
	82	X5-06	ROADWAY CROSS SECTIONS
	83	X5-07	ROADWAY CROSS SECTIONS
	84	X5-08	ROADWAY CROSS SECTIONS
	85	X5-09	ROADWAY CROSS SECTIONS
	86	X5-10	ROADWAY CROSS SECTIONS
	87	X5-11	ROADWAY CROSS SECTIONS
	88	X5-12	ROADWAY CROSS SECTIONS
	89	X5-13	ROADWAY CROSS SECTIONS
	90	X5-14	ROADWAY CROSS SECTIONS
	91	X5-15	ROADWAY CROSS SECTIONS
	92	X5-16	ROADWAY CROSS SECTIONS
	93	X5-17	ROADWAY CROSS SECTIONS

6/23/2022 LA:2026213204\700 CADD\701 Sheet\Phase 2\DCN-TOOL_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: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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: _____

TI-01

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

TITLE SHEET

SCALE : N.T.S. DATE : JUNE 2022

Project No. : 502106 SHEET 01 of 93

GENERAL NOTES

- THE SPECIFICATIONS FOR THIS CONTRACT WILL BE THOSE OF THE MARYLAND STATE HIGHWAY ADMINISTRATION DATED JULY 2021, ALL ERATA AND ADDENDA THERETO, THE MARYLAND STATE HIGHWAY ADMINISTRATION BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES, SOIL CONSERVATION SERVICE POND CONSTRUCTION SPECIFICATIONS FOR MARYLAND, AND 2016 WASHINGTON SUBURBAN SANITARY COMMISSION (W.S.S.C.) STANDARDS.
- FOR CONSTRUCTION, HORIZONTAL SHALL BE BASED ON NAD 83/91 DATUM AND VERTICAL SHALL BE BASED ON NAVD 1988 DATUM.
- WHEN THE DROP ON THE MAIN LINE THROUGH A STORM DRAIN STRUCTURE CAN BE ACCOMMODATED BY AN INVERT SLOPE OF 1.5:1 OR FLATTER, A ROUNDED CHANNEL LINED WITH SEWER BRICK ON EDGE SHALL BE BUILT TO THE CROWN OF THE PIPES. WHEN THE INVERT SLOPES WOULD BE GREATER THAN 1.5:1 A SPECIAL INVERT SHALL BE CONSTRUCTED AS NOTED.
- ALL STORM DRAIN PIPE SHALL BE INSTALLED WITH CLASS "C" BEDDING UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO STORM DRAIN STRUCTURES, WHEN NECESSARY, TO MEET EXISTING CONDITIONS, AS APPROVED BY MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION'S PROJECT INSPECTOR.
- 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 AT NO ADDITIONAL COST TO THE COUNTY 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.
- DISTURBED AREAS ADJACENT TO ESTABLISHED LAWNS AND WATER QUALITY SWALES SHALL BE SODDED. OTHER DISTURBED AREAS SHALL BE SEEDED AND MULCHED.
- 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.
- ALL UTILITY POLES NOTED FOR RELOCATION SHALL BE PERFORMED BY OTHERS.
- THE CONTRACTOR SHALL INSTALL PEDESTRIAN DETECTABLE WARNING SURFACES AT ALL SIDEWALK & PEDESTRIAN CROSSING 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	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 ₁ 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	VC.L Vertical Clearance
CORR. Correction	I.N. 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	R 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	

DESIGN TRAFFIC DATA

ROADWAY	MD 355 (ROCKVILLE PIKE)	
CONTROLS / YEARS	2018	2042
AVERAGE DAILY TRAFFIC (A.D.T.)	50,000	59,800
DESIGN HOURLY VOLUME (D.H.V.)	4,200	5,000
DIRECTIONAL DISTRIBUTION	62.68%	56.46%
% TRUCKS - A.D.T.	2	2
% TRUCKS - D.H.V.	2	2
DESIGN SPEED M. P. H.	45 M. P. H.	
FUNCTIONAL CLASSIFICATION	ARTERIAL	
CONTROL OF ACCESS	NONE	
INTENSITY OF DEVELOPMENT	URBAN	
TERRAIN	ROLLING	
ANTICIPATED POSTED SPEED	40 M. P. H.	
ROADWAY	OLD GEORGETOWN ROAD (MD 187)	
CONTROLS / YEARS	2018	2042
AVERAGE DAILY TRAFFIC (A.D.T.)	23,200	17,000
DESIGN HOURLY VOLUME (D.H.V.)	2,000	1,400
DIRECTIONAL DISTRIBUTION	56.86%	57.86%
% TRUCKS - A.D.T.	2	2
% TRUCKS - D.H.V.	2	2
DESIGN SPEED M. P. H.	35 M. P. H.	
FUNCTIONAL CLASSIFICATION	ARTERIAL	
CONTROL OF ACCESS	PARTIAL	
INTENSITY OF DEVELOPMENT	URBAN	
TERRAIN	ROLLING	
ANTICIPATED POSTED SPEED	30 M. P. H.	

SYMBOLS

EXISTING RIGHT OF WAY LINE	-----	LIMIT OF DISTURBANCE	-----
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	X-----X	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	-----C-----	EXISTING GAS	-----G-----
FILL SLOPE	-----F-----	EXISTING WATER	-----W-----
STREET LIGHT	-----	EXISTING SEWER	-----SS-----
STREET LIGHT HANDBOX	-----	EXISTING FIBER OPTIC	-----FO-----
STREET LIGHT CONDUIT	-----		
EXISTING CONTOUR (MINOR)	-----		
EXISTING CONTOUR (MAJOR)	-----		

6/23/2022 UA\2026213204\700 CADD\701 Sheet\Phase 2\pCN-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: 28255 EXPIRATION DATE: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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: _____

GN-01

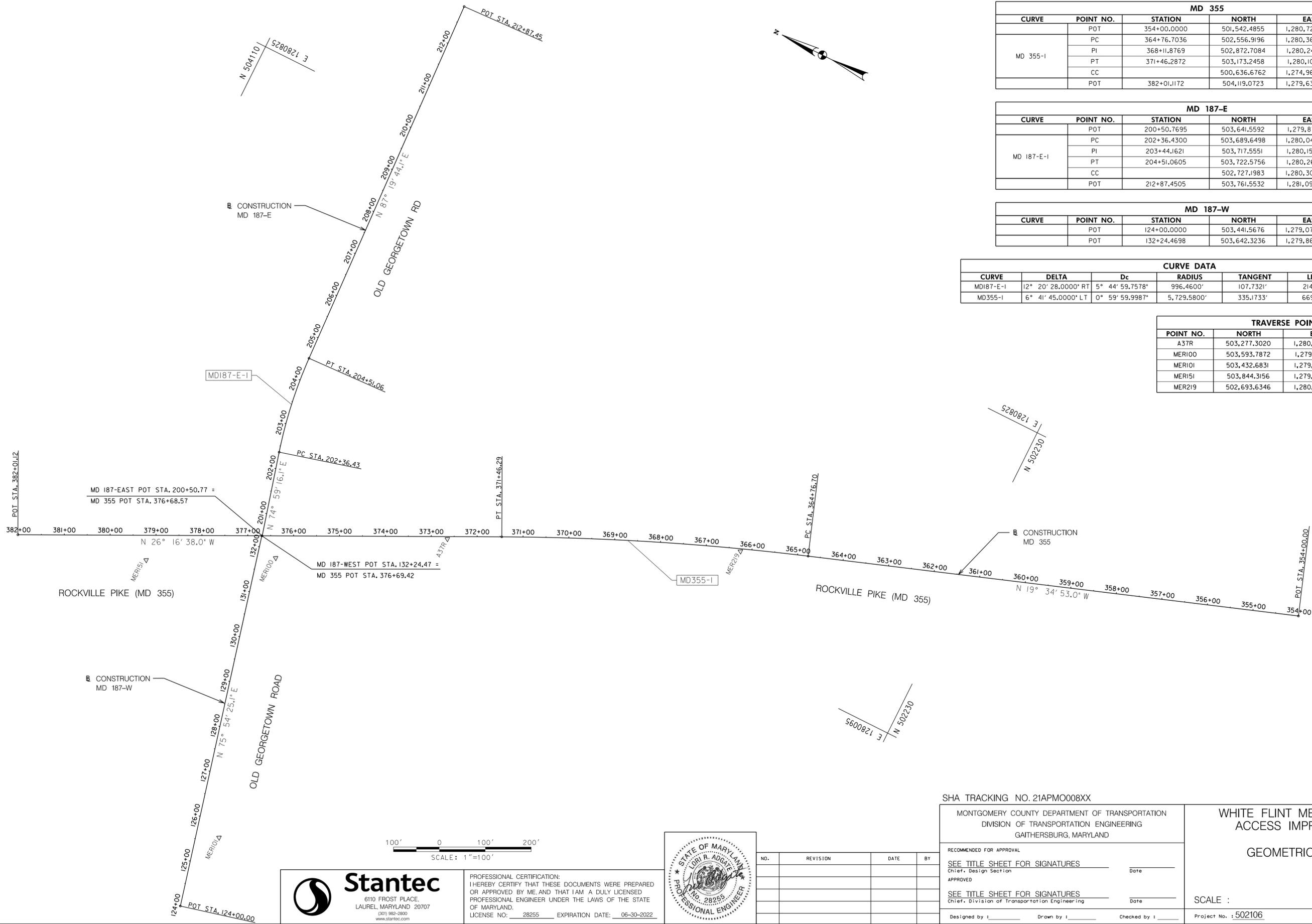
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

GENERAL NOTES, DESIGN TRAFFIC
DATA, SYMBOLS & ABBREVIATIONS

SCALE : NO SCALE DATE : JUNE 2022

Project No. : 502106 SHEET 02 of 93

6/23/2022
 UA\2026213204\700 CADD\701 Sheet\Phase 2\PCS-P000_WFMetro.dgn



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
MD 355-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
MD 187-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	

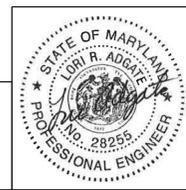
CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
MD187-E-I	12° 20' 28.0000" RT	5° 44' 59.7578"	996,4600'	107.7321'	214.6305'	5.8068'
MD355-I	6° 41' 45.0000" LT	0° 59' 59.9987"	5,729.5800'	335.1733'	669.5836'	9.7952'

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,
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 OF MARYLAND.
 LICENSE NO.: 28255 EXPIRATION DATE: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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

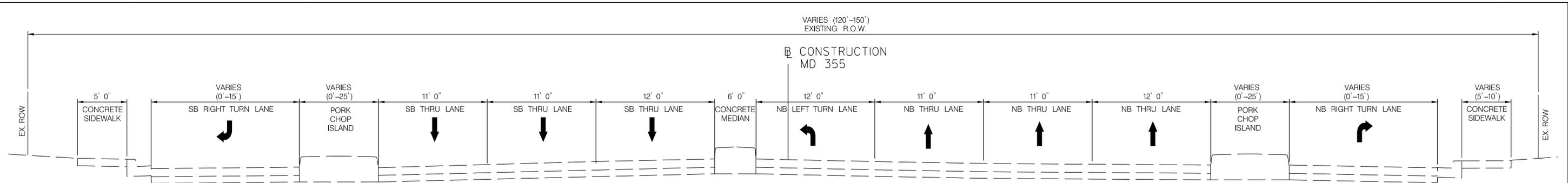
RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
 Chief, Division of Transportation Engineering
 Designed by : _____ Drawn by : _____ Checked by : _____

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

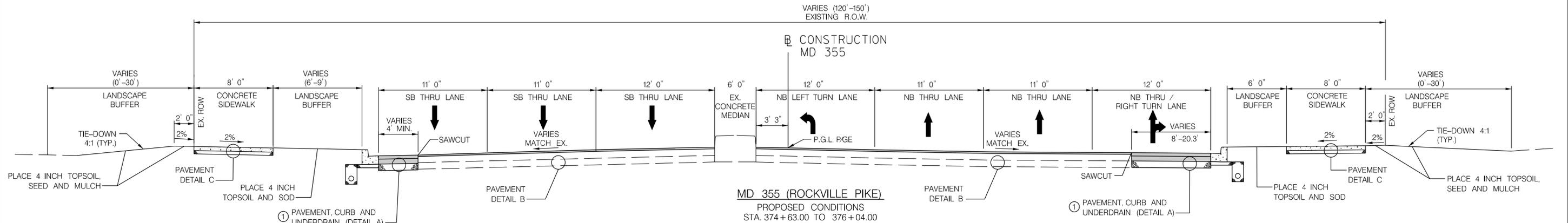
GEOMETRIC LAYOUT

SCALE : _____ DATE : JUNE 2022
 Project No. : 502106 SHEET 03 of 93

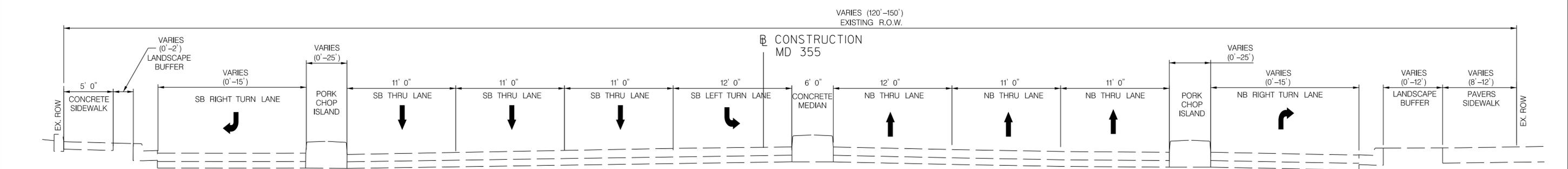
GS-01



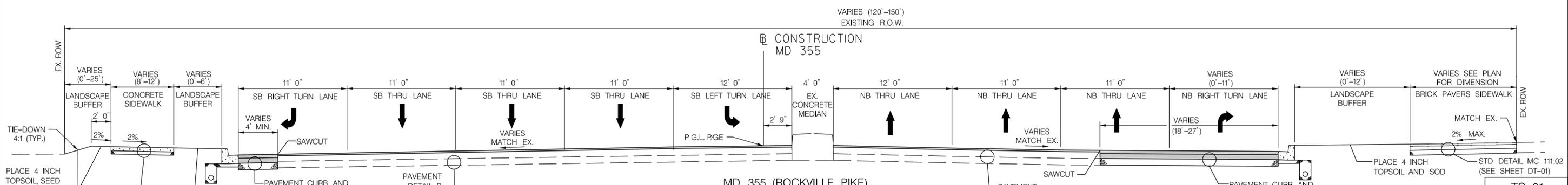
MD 355 (ROCKVILLE PIKE)
EXISTING CONDITIONS
STA. 374+63.00 TO 376+04.00



MD 355 (ROCKVILLE PIKE)
PROPOSED CONDITIONS
STA. 374+63.00 TO 376+04.00



MD 355 (ROCKVILLE PIKE)
EXISTING CONDITIONS
STA. 377+39.50 TO 378+25.00



MD 355 (ROCKVILLE PIKE)
PROPOSED CONDITIONS
STA. 377+39.50 TO 378+25.00

NOTES:
① SEE ROADWAY PLANS FOR LIMITS OF FULL DEPTH PAVING.

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WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

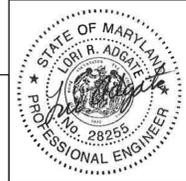
TYPICAL SECTIONS

SCALE: 1" = 5' DATE: JUNE 2022

Project No.: 502106 SHEET 04 of 93



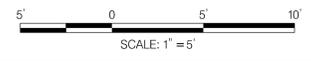
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LICENSE NO.: 28255 EXPIRATION DATE: 06-30-2022



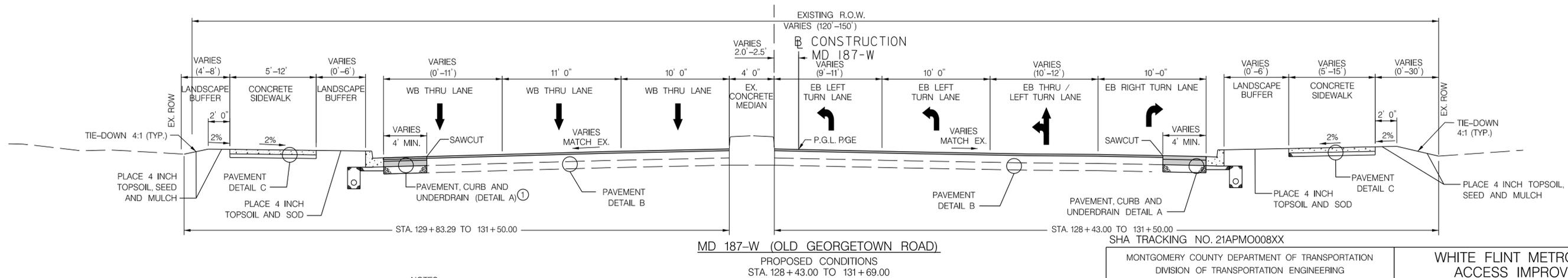
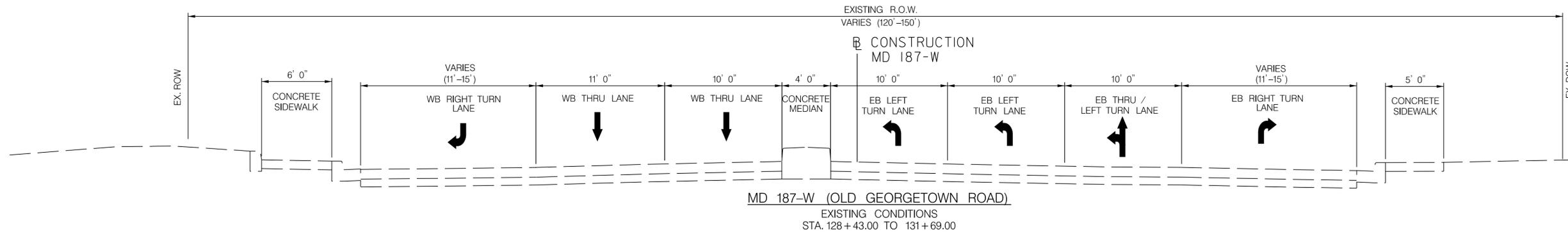
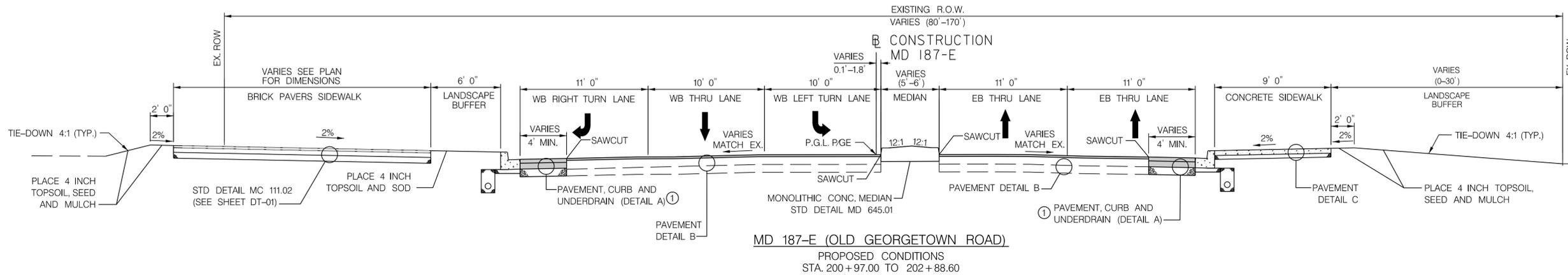
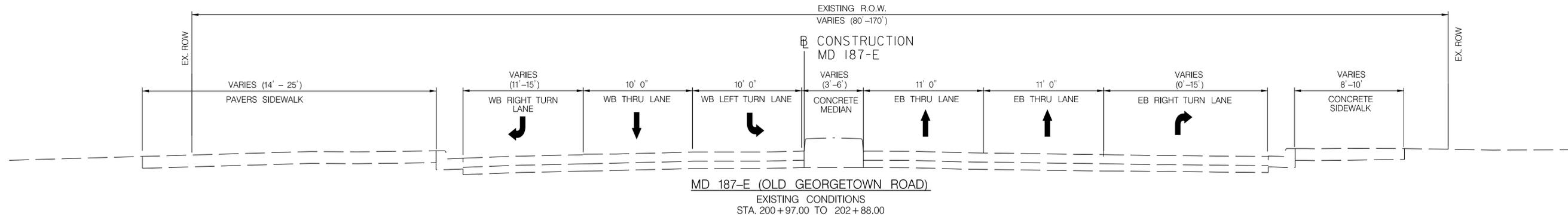
NO.	REVISION	DATE	BY

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

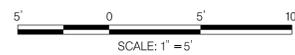
6/23/2022 U:\2026213204\700 CADD\701 Sheet\Phase 2\pht-0001_WFMetro.dgn



6/23/2022
 UA\2026213204\700 CADD\701 Sheet\Phase 2\pht-0002-WF Metro.dgn



NOTES:
 ① SEE ROADWAY PLANS FOR LIMITS OF FULL DEPTH PAVING.



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 Chief, Design Section Date

APPROVED
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 Chief, Division of Transportation Engineering Date

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WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

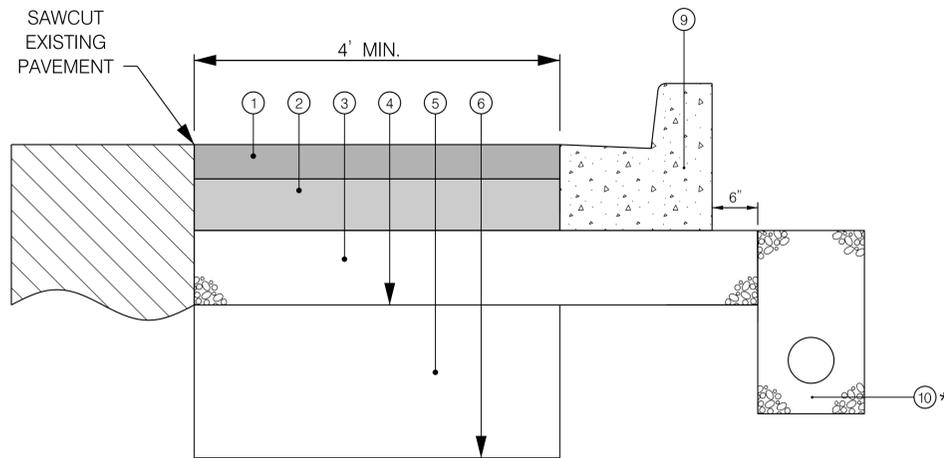
TYPICAL SECTIONS

SCALE : 1" = 5' DATE : JUNE 2022

Project No. : 502106 SHEET 05 of 93

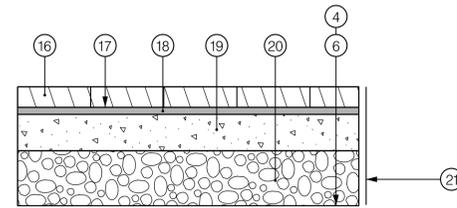
TS-02

6/23/2022
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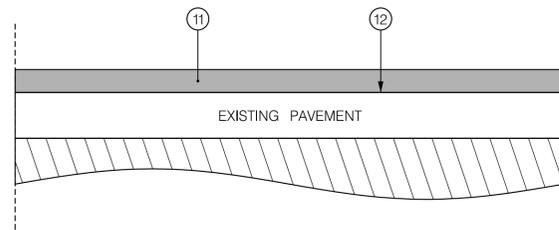


DETAIL A
 FULL DEPTH PAVEMENT, CURB & GUTTER, UNDERDRAIN
 (INCLUDES PORK CHOP ISLAND REPLACEMENT)
 ROCKVILLE PIKE (MD 355)
 OLD GEORGETOWN ROAD (MD 187)

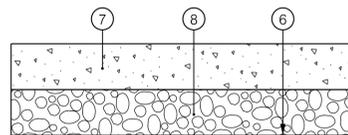
*SEE PLAN SHEETS FOR LOCATION OF
 6 INCH LONGITUDINAL UNDERDRAIN



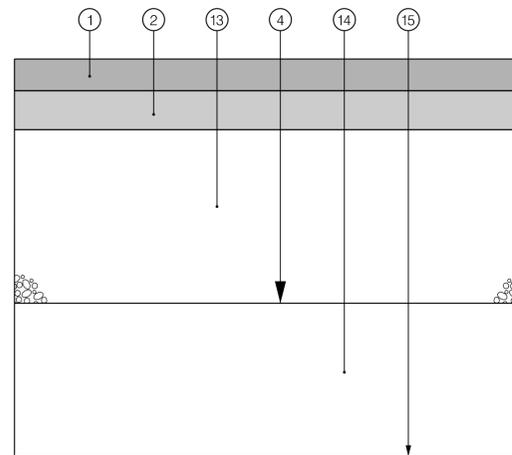
DETAIL D
 PAVERS SIDEWALK
 ROCKVILLE PIKE (MD 355)
 OLD GEORGETOWN ROAD (MD 187)



DETAIL B
 MILL & OVERLAY
 ROCKVILLE PIKE (MD 355)
 OLD GEORGETOWN ROAD (MD 187)



DETAIL C
 CONCRETE SIDEWALK
 ROCKVILLE PIKE (MD 355)
 OLD GEORGETOWN ROAD (MD 187)



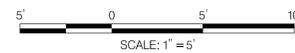
DETAIL E
 UTILITY PAVEMENT PATCH

PAVEMENT LEGEND

- ① 2" SUPERPAVE ASPHALT MIX 12.5 MM FOR SURFACE, PG 64S-22, LEVEL 2
- ② 8" SUPERPAVE ASPHALT MIX 19.0 MM FOR BASE, PG 64S-22, LEVEL 2 (TWO 4 INCH LIFTS)
- ③ 8" GRADED AGGREGATE BASE COURSE (TWO 4 INCH LIFTS)
- ④ TOP OF SUBGRADE
- ⑤ 3' SELECT BORROW WITH CBR OF MINIMUM 7
- ⑥ LIMIT OF CLASS 1 EXCAVATION (SEE NOTE 2 BELOW)
- ⑦ 5" CONCRETE (MDSHA STD. MD 655.01)
- ⑧ 4" GRADED AGGREGATE BASE
- ⑨ COMBINATION CONCRETE CURB AND GUTTER, TYPE A, 10 INCH MINIMUM DEPTH (MDSHA STD. MD 620.02)
- ⑩ LONGITUDINAL UNDERDRAIN, MDSHA STD. MD 387.11-01
- ⑪ 2" SUPERPAVE ASPHALT MIX 12.5 MM FOR SURFACE, PG 64S-22, LEVEL 2
- ⑫ TOP OF EXISTING PAVEMENT SURFACE AFTER 2 INCH FINE MILLING
- ⑬ 16" GRADED AGGREGATE BASE COURSE (TWO 8 INCH LIFTS)
- ⑭ SELECT BORROW WITH CBR OF MINIMUM 7 (DEPTH VARIES)
- ⑮ LIMIT OF UTILITY WORK
- ⑯ 2-1/4" BRICK PAVERS WITH HAND TIGHT JOINTS AND 3:1 SAND CEMENT SWEEP
- ⑰ ADHESIVE COAT-NEOPRENE MODIFIED ASPHALT PRIMECOAT-LOW VISCOSITY LIQUID ASPHALT
- ⑱ 3/4" BITUMINOUS SETTING BED
- ⑲ 4" POURED CONCRETE BASE, 3500 PSI, 6"X6"X2.1X2.1 WELDED WIRE CONTINUOUS WITHIN SLAB
- ⑳ 6" DENSE GRADED AGGREGATE SUBBASE
- ㉑ 14"X7" STEEL EDGE FRAME BOLTED TO CONCRETE BASE WITH 12" GALVANIZED WEDGE ANCHOR AND WASHER, 18" CC

NOTES:

1. THE SUBGRADE SHALL BE TEST ROLLED AS SPECIFIED IN SECTION 204 OF THE LATEST STANDARD SPECIFICATIONS FOR CONSTRUCTION MATERIALS.
2. ALL EXCAVATION ON THIS PROJECT SHALL BE CONSIDERED CLASS I OR CLASS I-A.



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 LICENSE NO: 28255 EXPIRATION DATE: 06-30-2022



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 GAITHERSBURG, MARYLAND

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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 : _____

DT-01
 WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

PAVING DETAILS

SCALE : _____ DATE : JUNE 2022
 Project No. : 502106 SHEET 06 of 93

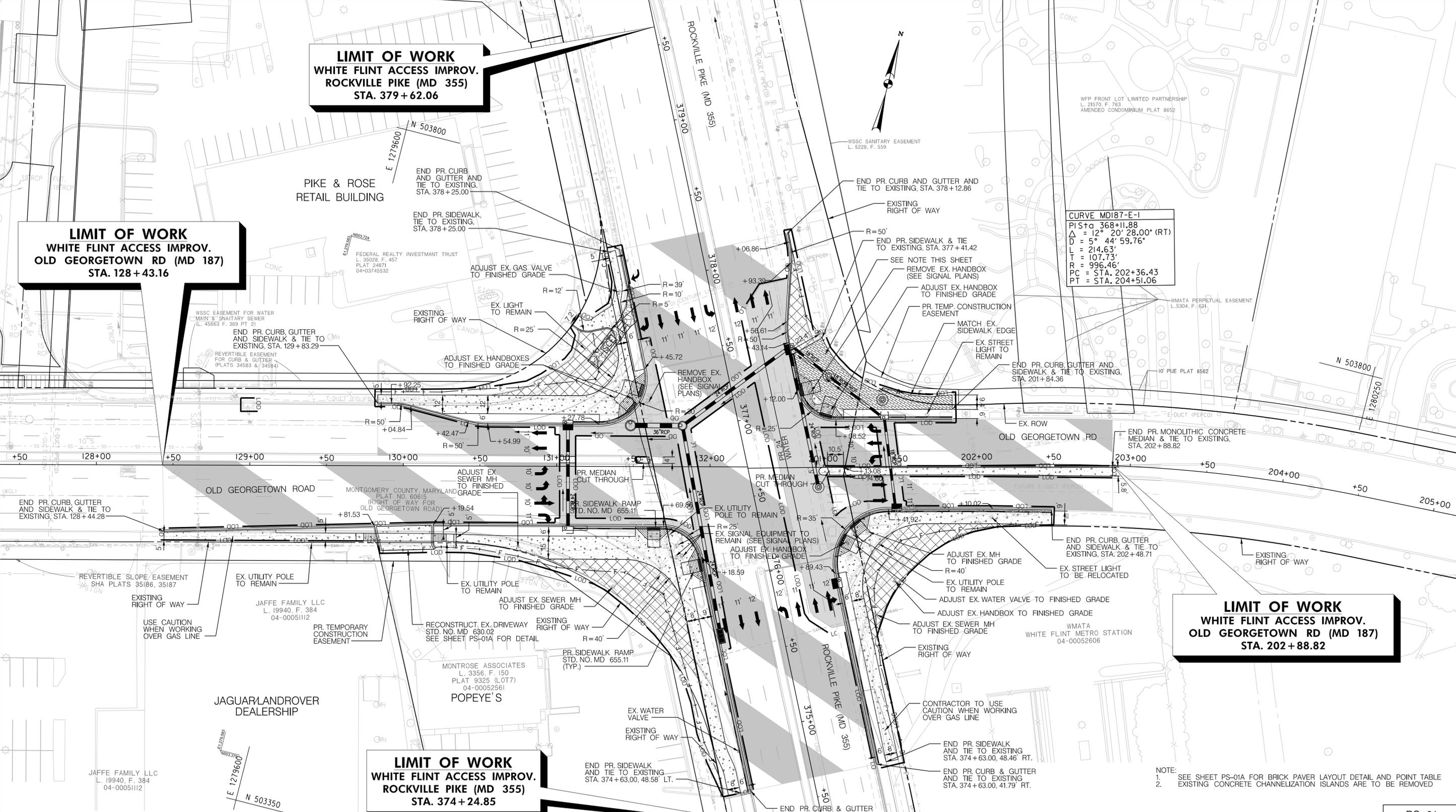
LIMIT OF WORK
WHITE FLINT ACCESS IMPROV.
ROCKVILLE PIKE (MD 355)
STA. 379 + 62.06

LIMIT OF WORK
WHITE FLINT ACCESS IMPROV.
OLD GEORGETOWN RD (MD 187)
STA. 128 + 43.16

LIMIT OF WORK
WHITE FLINT ACCESS IMPROV.
OLD GEORGETOWN RD (MD 187)
STA. 202 + 88.82

LIMIT OF WORK
WHITE FLINT ACCESS IMPROV.
ROCKVILLE PIKE (MD 355)
STA. 374 + 24.85

CURVE MD187-E-1
 PIS+0 368+11.88
 $\Delta = 12^\circ 20' 28.00" (RT)$
 $D = 5^\circ 44' 59.76"$
 $L = 214.63'$
 $T = 107.73'$
 $R = 996.46'$
 $PC = STA. 202+36.43$
 $PT = STA. 204+51.06$

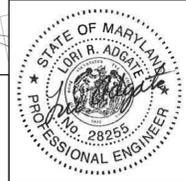


LEGEND

	FULL-DEPTH ASPHALT PAVEMENT
	MILL & OVERLAY
	REMOVAL OF EX. CURB, SIDEWALK, PAVEMENT
	CONCRETE MEDIAN AND CONCRETE SIDEWALK
	BRICK PAVERS
	EX. RIGHT OF WAY

Stantec
 6110 FROST PLACE,
 LAUREL, MARYLAND 20707
 (301) 982-2900
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APPROVED
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 Chief, Division of Transportation Engineering Date

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

PS-01

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

ROADWAY PLAN

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 07 of 93

6/23/2022 U:\2026213204\700 CADD\701 Sheet\Phase 2\pHD-0001_WFMetro.dgn

DETECTABLE WARNING SURFACE (STD. NO. MD 655.40)				
CONSTRUCTION	STA./OFFSET	QUANTITY (SF)	REMARKS	
MD 355	376+13.42 / 42.55' LT	16	MD SHA STD. NO. 655.40	
MD 187 W	131+63.45 / 39.45' RT	16	MD SHA STD. NO. 655.40	
MD 187 W	131+49.70 / 37.72' LT	16	MD SHA STD. NO. 655.40	
MD 355	377+32.16 / 56.42' LT	16	MD SHA STD. NO. 655.40	
MD 355	377+11.30 / 43.52' RT	16	MD SHA STD. NO. 655.40	
MD 187 E	201+01.28 / 32.67' LT	16	MD SHA STD. NO. 655.40	
MD 187 W	201+19.37 / 36.37' RT	16	MD SHA STD. NO. 655.40	
MD 355	376+10.28 / 49.46' RT	16	MD SHA STD. NO. 655.40	

BRICK SIDEWALK PAVERS (MC DOT STD. NO. III.02)				
CONSTRUCTION	STA./OFFSET	QUANTITY (SF)	REMARKS	
MD 187 E	201+84.36 / 36.54' LT	1,812	MATCH BRICK PAVEMENT TYPE AND PATTERN OF THE STERLING AT THE METRO	

5 INCH CONCRETE SIDEWALK				
BL/BEGIN STA./OFFSET	BL/END STA./OFFSET	QUANTITY (SF)	REMARKS	
MD 187 W / 129+83.29 / 41.07' LT	MD 355 / 378+25.00 / 55.02' LT	3,045	NW QUADRANT	
MD 187 W / 128+44.29 / 43.78' RT	MD 355 / 374+63.02 / 48.58' LT	4,578	SW QUADRANT	
MD 355 / 377+23.23 / 43.52' RT	MD 187 E / 201+13.49 / 31.40' LT	321	NE QUADRANT	
MD 355 / 374+63.00 / 48.46' RT	MD 187 E / 202+48.70 / 30.17' RT	2,895	SE QUADRANT	

STANDARD TYPE 'A' COMBINATION CURB & GUTTER (STD. NO. MD 620.02)					
CONSTRUCTION	BEGIN STA./OFFSET	END STA./OFFSET	QUANTITY (LF)	REMARKS	
MD 355 / MD 187 W	374+63.00 / 41.91' LT	130+21.13 / 53.49' LT	356	MD SHA STD. NO. 620.02	
MD 187 W	130+18.54 / 38.59' RT	129+82.55 / 39.54' RT	36	MD SHA STD. NO. 620.02	
MD 187 W	129+85.19 / 55.33' RT	128+44.28 / 43.11' RT	154	MD SHA STD. NO. 620.02	
MD 187 W / MD 355	129+83.29 / 40.40' LT	378+25.00 / 52.15' LT	279	MD SHA STD. NO. 620.02	
MD 355 / MD 187 E	377+41.72 / 52.66' LT	201+84.28 / 29.87' LT	212	MD SHA STD. NO. 620.02	
MD 187 E / MD 355	202+48.71 / 29.50' RT	374+63.00 / 41.79' RT	295	MD SHA STD. NO. 620.02	

SIDEWALK RAMPS - PERPENDICULAR (MD SHA STD. NO. 655.11)				
CONSTRUCTION	BEGIN STA. / OFFSET	QUANTITY (EA)	REMARKS	
MD 355	376+13.42 / 42.55' LT	1	8 FT MD SHA STD. NO. 655.11	
MD 187 W	131+63.45 / 39.45' RT	1	8 FT MD SHA STD. NO. 655.11	
MD 187 W	131+49.70 / 37.72' LT	1	8 FT MD SHA STD. NO. 655.11	
MD 355	377+32.16 / 56.42' LT	1	8 FT MD SHA STD. NO. 655.11	
MD 355	377+11.30 / 43.52' RT	1	8 FT MD SHA STD. NO. 655.11	
MD 187 E	201+01.28 / 32.67' LT	1	8 FT MD SHA STD. NO. 655.11	
MD 187 E	201+19.37 / 36.37' RT	1	8 FT MD SHA STD. NO. 655.11	
MD 355	376+10.28 / 49.46' RT	1	8 FT MD SHA STD. NO. 655.11	

6 INCH PERFORATED CIRCULAR PIPE LONGITUDINAL UNDERDRAIN (MD SHA STD. NO. 387.11-01)					
CONSTRUCTION	BEGIN STA. / OFFSET	END STA. / OFFSET	QUANTITY (LF)	REMARKS	OUTLET
MD 355 / MD 187 W	374+63.02 / 43.58' LT	128+44.32 / 44.78' RT	246	MD SHA STD. NO. 387.11-01	I-3, I-4A
MD 355 / MD 187 E	378+12.85 / 58.69' RT	201+84.30 / 31.54' LT	126	MD SHA STD. NO. 387.11-01	I-11A, I-24A
MD 187 E / MD 355	202+48.68 / 31.17' RT	374+63.00 / 42.94' RT	286	MD SHA STD. NO. 387.11-01	I-12A, I-25
MD 187 W / MD 187 W	131+10.50 / 29.00' LT	131+46.07 / 35.60' LT	37	MD SHA STD. NO. 387.11-01	I-B

8 INCH PORTLAND CEMENT CONCRETE PAVEMENT FOR DRIVEWAY MIX NO.9 (MD SHA STD. NO. 630.02)				
CONSTRUCTION	STA./OFFSET	QUANTITY (SY)	REMARKS	
MD 187 W	130+00.55 / 39.06' RT	60	MD SHA STD. NO. 630.02	

MONOLITHIC CONCRETE MEDIAN TYPE A-1 (MD SHA STD. NO. 645.01)				
CONSTRUCTION	BEGIN STA. / OFFSET	END STA. / OFFSET	QUANTITY (LF)	REMARKS
MD 187 E	200+97.06 / 2.57' RT	202+88.59 / 3.83' RT	192	MD SHA STD. NO. 645.01
MD 187 W	131+53.76 / 6.22' LT	131+63.20 / 6.44' LT	8	MD SHA STD. NO. 645.01
MD 187 W	131+01.93 / 4.33' LT	131+12.35 / 4.33' LT	10.5	MD SHA STD. NO. 645.01

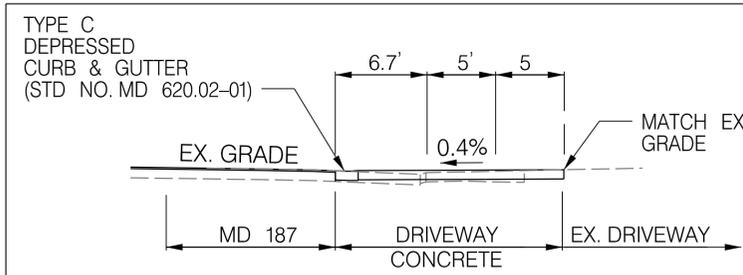
BRICK PAVEMENT LAYOUT POINT TABLE		
POINT NUMBER	NORTHING	EASTING
1	503720.5850	1279987.3365
2	503714.0313	1279942.4904
3	503711.0894	1279942.2745
4	503735.6048	1279896.0416
5	503720.1367	1279879.8693
6	503709.8409	1279884.9287
7	503706.5142	1279895.7153
8	503699.4482	1279899.4665
9	503694.6570	1279907.0820
10	503694.3339	1279915.0754
11	503693.9460	1279921.0595
12	503711.4561	1279989.6664

STANDARD TYPE 'A' CURB (STD. NO. MD 620.02)				
CONSTRUCTION	BEGIN STA./OFFSET	END STA./OFFSET	QUANTITY (LF)	REMARKS
MD 355	377+83.33 / 92.26' LT	377+72.22 / 66.97' LT	30	MD SHA STD. NO. 620.02
MD 355	376+14.27 / 53.04' RT	376+09.85 / 57.10' RT	8	MD SHA STD. NO. 620.02
MD 355	376+17.15 / 56.48' RT	376+12.50 / 60.29' RT	8	MD SHA STD. NO. 620.02

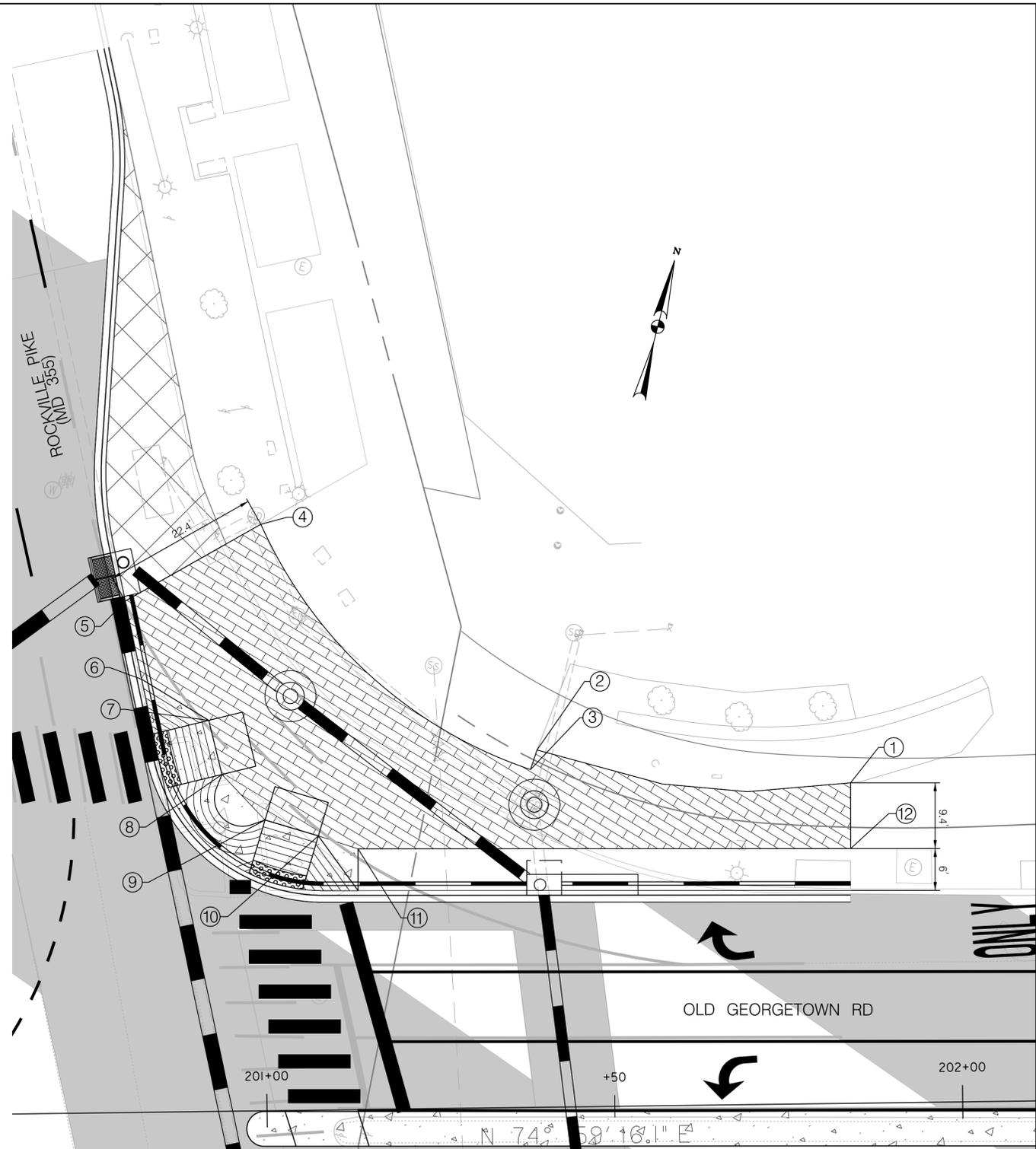
REMOVAL OF EXISTING COMBINATION CURB & GUTTER (ITEM 2004)				
CONSTRUCTION	BEGIN STA./OFFSET	END STA./OFFSET	QUANTITY (LF)	REMARKS
MD 355 / MD 187 W	375+52.60 / 59.56' LT	131+07.86 / 60.37' RT	108	SW QUADRANT
MD 187 E / MD 355	130+79.96 / 46.01' LT	377+75.29 / 68.90' LT	71	NW QUADRANT
MD 355 / MD 187 E	378+12.85 / 57.78' RT	377+39.70 / 59.44' RT	73	NE QUADRANT
MD 187 E / MD 355	201+83.60 / 37.79' RT	375+58.54 / 56.43' RT	84	SE QUADRANT

REMOVAL OF EXISTING SIDEWALK (ITEM 2007)				
CONSTRUCTION	BEGIN STA./OFFSET	END STA./OFFSET	QUANTITY (CY)	REMARKS
MD 355 / MD 187 W	375+39.79 / 59.56' LT	131+07.86 / 60.37' RT	9	SW QUADRANT
MD 187 E / MD 355	130+57.15 / 46.04' LT	377+75.29 / 68.90' LT	9	NW QUADRANT
MD 187 E / MD 355	202+33.15 / 39.15' RT	375+38.08 / 56.61' RT	15	SE QUADRANT

REMOVAL OF EXISTING PAVEMENT (ITEM 2006)				
CONSTRUCTION	BEGIN STA./OFFSET	END STA./OFFSET	QUANTITY (CY)	REMARKS
MD 355 / MD 187 W	375+54.33 / 59.56' LT	131+09.65 / 60.37' RT	55	SW QUADRANT
MD 187 E / MD 355	130+82.13 / 46.01' LT	377+75.29 / 68.90' LT	34	NW QUADRANT
MD 355 / MD 187 E	378+12.85 / 57.78' RT	377+34.71 / 43.55' RT	19	NE QUADRANT
MD 187 E / MD 355	201+81.64 / 37.76' RT	375+60.20 / 56.43' RT	35	SE QUADRANT



DRIVEWAY DETAIL
 OLD GEORGETOWN RD (MD 187)
 STA. 130+00.05 RT
 (SEE STD. MD-630.02)
 N.T.S.

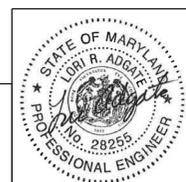


BRICK PAVER LAYOUT
 SCALE 1" = 10'

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 GAITHERSBURG, MARYLAND

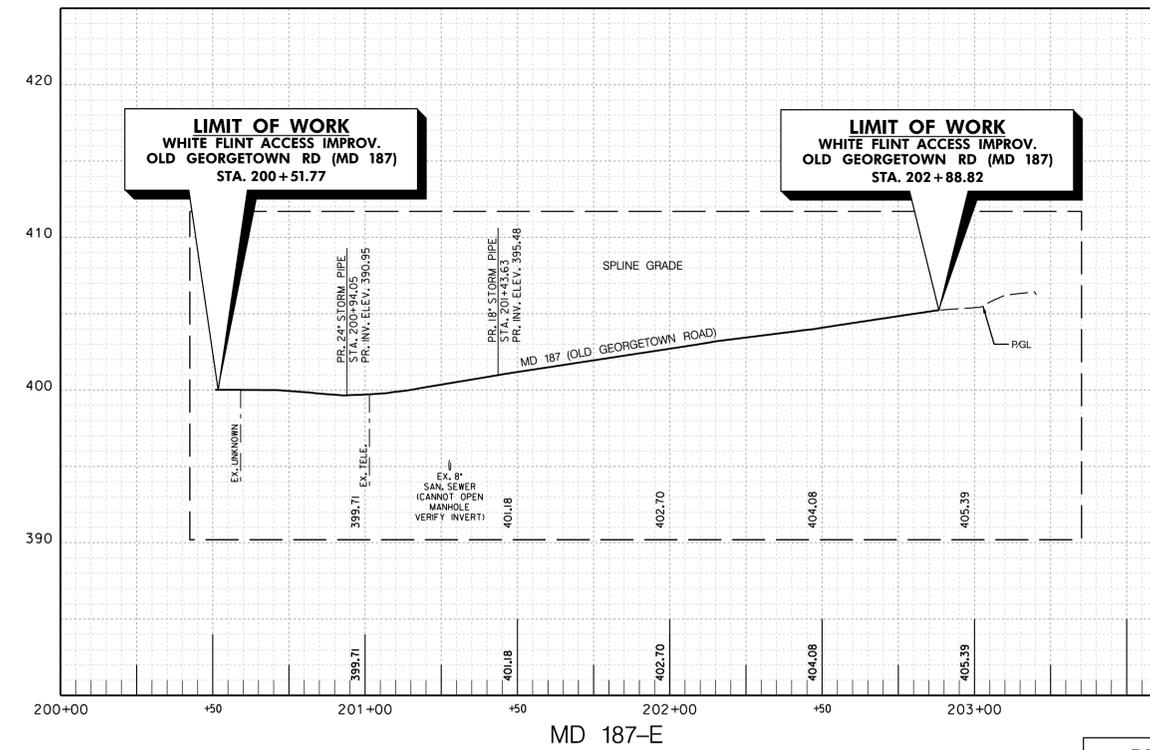
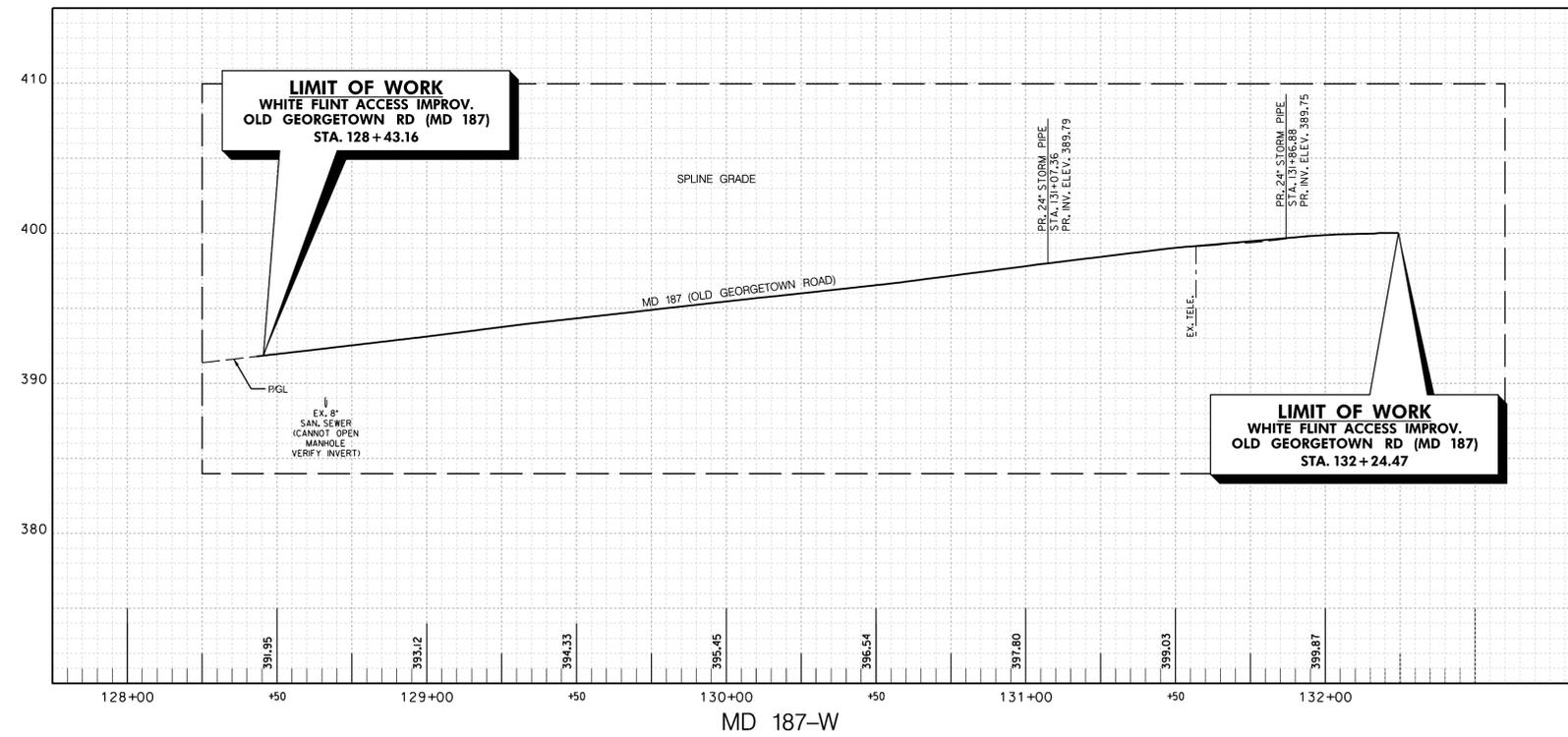
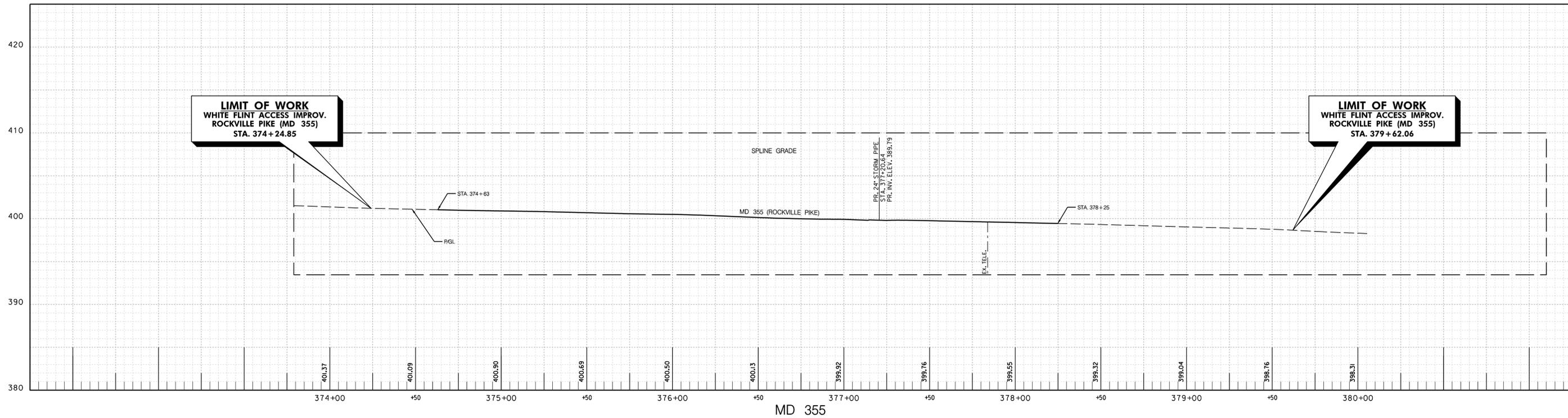
RECOMMENDED FOR APPROVAL
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Design Section _____ Date _____
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering _____ Date _____
 Designed by: _____ Drawn by: _____ Checked by: _____

PS-01A
 WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

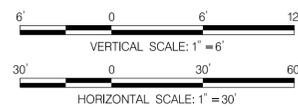
ROADWAY CONSTRUCTION NOTES

SCALE: DATE: JUNE 2022

Project No.: 502106 SHEET 08 of 93



6/23/2022 UA\2026213204\700 CADD\701 Sheet\Phase 2\pHP-V001_WF\Metro.dgn



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LICENSE NO.: 28255 EXPIRATION DATE: 06-30-2018



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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 PROFILES

SCALE : H 1" = 30'; V 1" = 6' DATE : JUNE 2022

Project No. : 502106 SHEET 09 of 93

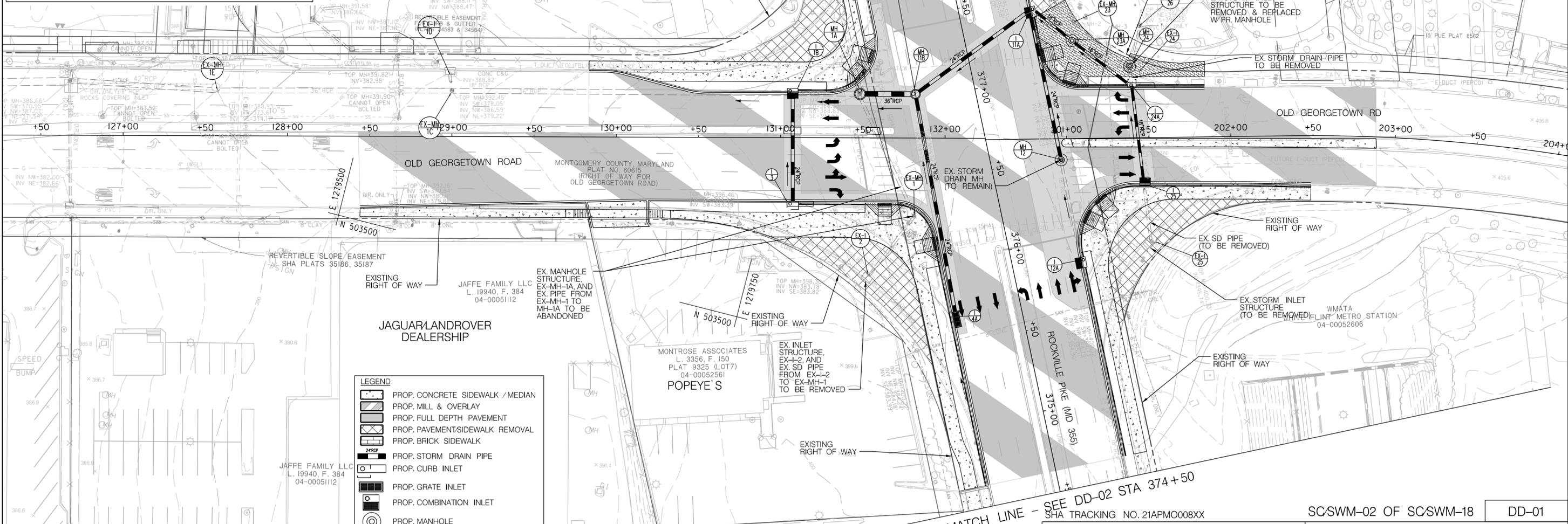
PR-01

STRUCTURE SCHEDULE						
STRUCTURE	STATION	OFFSET	TYPE	TOP ELEV.	INV. OUT	STANDARD
MH-1A	131+48.16'	26.70' LT	72" DIA. MANHOLE	398.78	388.23	MD 384.05
I-1B	131+05.71'	28.44' LT	STD. WRM INLET	398.21	386.73	MD 374.05
I-3	131+05.91'	40.18' RT	15' COG INLET	398.04	395.31	MD 374.51
I-4A	375+65.47'	39.84' LT	TRIPLE WR INLET	400.13	395.28	MD 374.08
I-11A	377+40.18'	44.40' RT	STD. WRM INLET	399.46	392.23	MD 374.05
MH-11B	377+04.45'	35.96' LT	60" DIA. MANHOLE	399.50	388.47	MD-384.03
I-12A	375+84.86'	42.93' RT	STD. WRM INLET	400.65	396.69	MD 374.05
MH-12	376+47.02'	42.42' RT	48" DIA. MANHOLE	399.62	391.06	MD 383.21
MH-23A	377+16.42'	63.93' RT	48" DIA. MANHOLE	399.67	390.77	MD 383.21
MH-24	201+38.97'	43.41' LT	48" DIA. MANHOLE	400.25	395.74	MD 383.21
I-24A	201+39.64'	31.91' LT	15' COG INLET	400.77	396.12	MD 374.51
I-25	201+38.66'	26.27' RT	STD. WR INLET	401.02	396.51	MD 374.04

NOTE:
 1) MANHOLE STATIONS AND OFFSETS ARE MEASURED AT THE CENTER OF STRUCTURE
 2) COG INLET STATIONS AND OFFSETS ARE MEASURED AT THE CENTER OF THE MANHOLE OPENING
 3) STD. WRM INLETS ARE MEASURED AT THE CENTER OF THE MANHOLE OPENING
 4) GRATE INLETS AND STD. WR ARE MEASURED AT THE CENTER OF GRATE

PIPE SCHEDULE							
STRUCTURE TO STRUCTURE	SIZE	TYPE	CLASS	LENGTH	INV. IN	INV. OUT	
I-3	I-1B	24"	RCP	IV	63'	388.73	388.10
I-4A	MH-11B	24"	RCP	IV	132'	390.82	389.50
I-11A	MH-11B	24"	RCP	IV	81'	390.01	389.60
MH-11B	MH-1A	36"	RCP	IV	28'	388.47	388.33
I-25	I-24A	18"	RCP	IV	57'	396.51	396.22
I-24A	MH-23A	18"	RCP	IV	41'	395.12	394.71
MH-23A	I-11A	18"	RCP	IV	27'	390.77	390.50

* CONNECT TO EXISTING PIPE

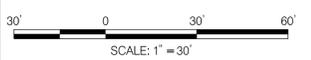


LEGEND	
[Symbol]	PROP. CONCRETE SIDEWALK / MEDIAN
[Symbol]	PROP. MILL & OVERLAY
[Symbol]	PROP. FULL DEPTH PAVEMENT
[Symbol]	PROP. PAVEMENT/SIDEWALK REMOVAL
[Symbol]	PROP. BRICK SIDEWALK
[Symbol]	PROP. STORM DRAIN PIPE
[Symbol]	PROP. CURB INLET
[Symbol]	PROP. GRATE INLET
[Symbol]	PROP. COMBINATION INLET
[Symbol]	PROP. MANHOLE

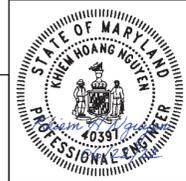
MATCH LINE - SEE DD-03 STA 379+50

MATCH LINE - SEE DD-02 STA 374+50

NOTE:
 NO SWM IS PROPOSED FOR THIS PROJECT, PLEASE REFER TO SWM WAIVER AND SWM REPORT.



PROFESSIONAL CERTIFICATION:
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 LICENSE NO.: 40397 EXPIRATION DATE: 06/09/2024



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: _____

SCSWM-02 OF SCSWM-18 DD-01

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

DRAINAGE & STORMWATER
 MANAGEMENT PLAN

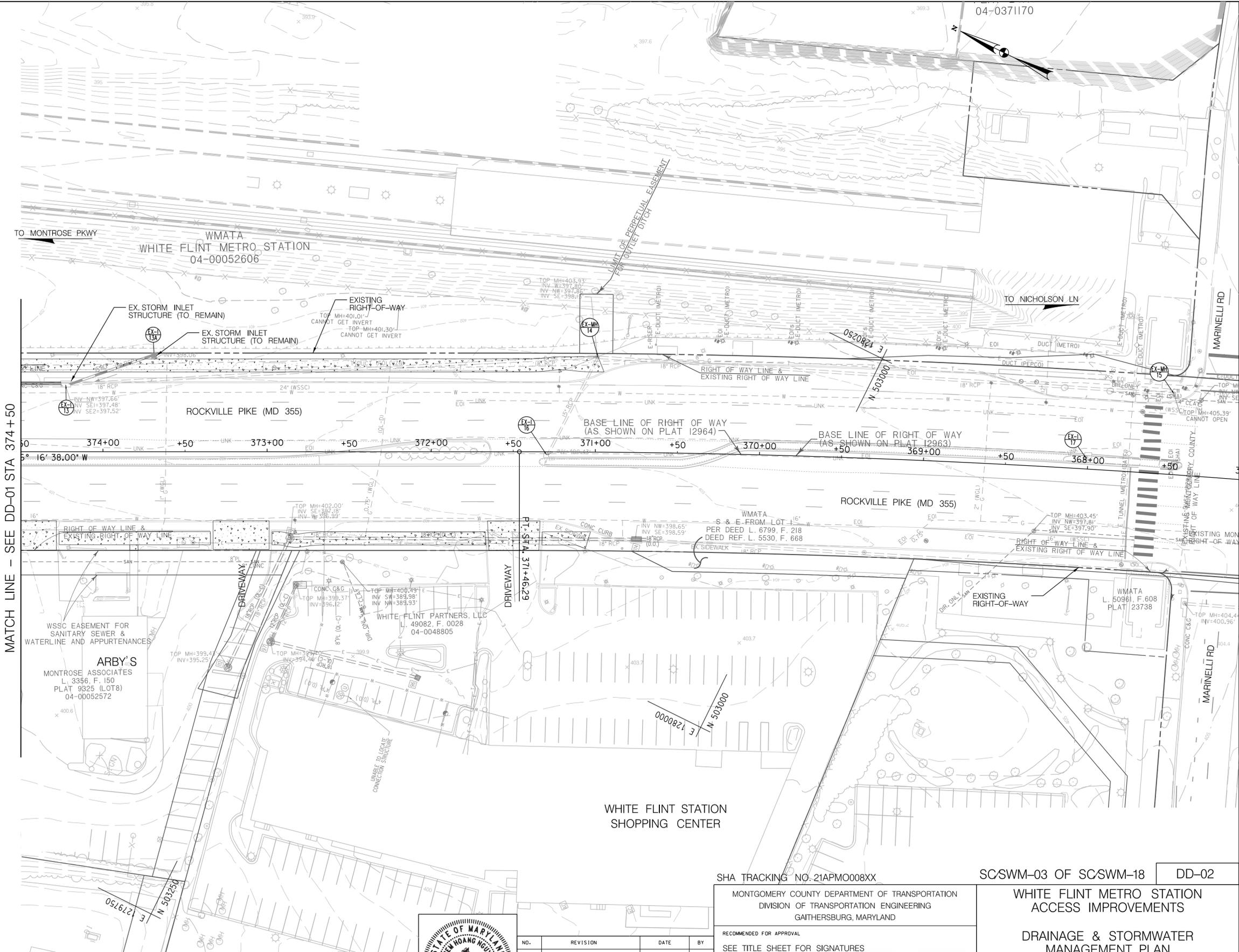
SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 10 of 93

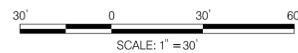
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NOTES:
NO SWM IS PROPOSED FOR THIS PROJECT, PLEASE REFER TO SWM WAIVER AND SWM REPORT.

- LEGEND**
- PROP. CONCRETE SIDEWALK / MEDIAN
 - PROP. MILL & OVERLAY
 - PROP. FULL DEPTH PAVEMENT
 - PROP. PAVEMENT/SIDEWALK REMOVAL
 - PROP. BRICK SIDEWALK
 - PROP. STORM DRAIN PIPE
 - PROP. CURB INLET
 - PROP. GRATE INLET
 - PROP. COMBINATION INLET
 - PROP. MANHOLE

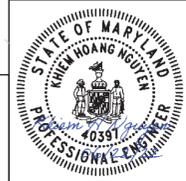


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LICENSE NO.: 40397 EXPIRATION DATE: 06/09/2024



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX
MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
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GAITHERSBURG, MARYLAND

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Chief, Design Section Date

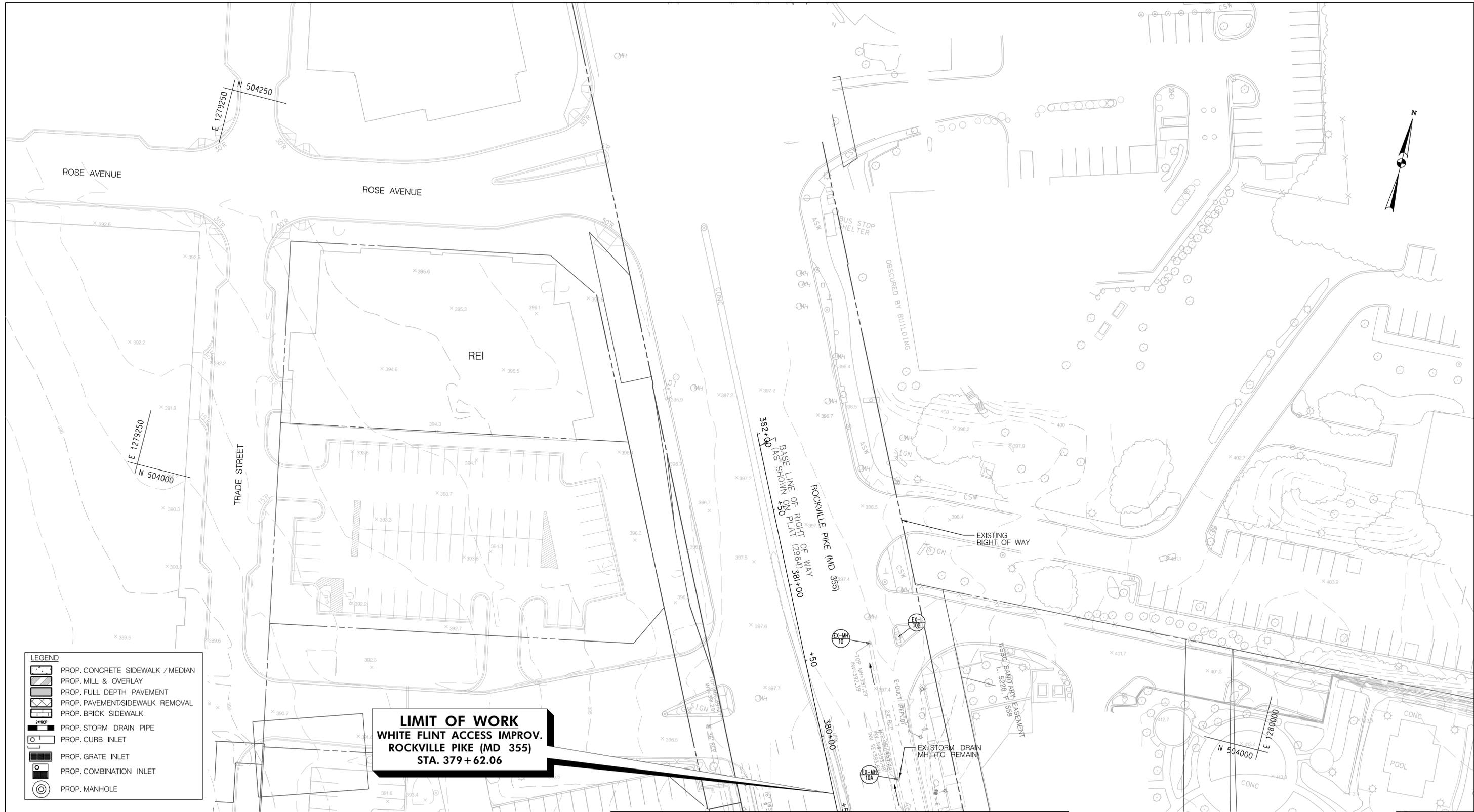
APPROVED
SEE TITLE SHEET FOR SIGNATURES
Chief, Division of Transportation Engineering Date

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

SCSWM-03 OF SCSWM-18 DD-02
**WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS**
**DRAINAGE & STORMWATER
MANAGEMENT PLAN**

SCALE : 1" = 30' DATE : JUNE 2022
Project No. : 502106 SHEET 11 of 93

6/23/2022 UA\2026213204\700 CADD\701 Sheet\Phase 2\pdd-0003_WFMetro.dgn

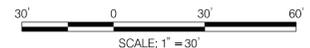


LEGEND

	PROP. CONCRETE SIDEWALK / MEDIAN
	PROP. MILL & OVERLAY
	PROP. FULL DEPTH PAVEMENT
	PROP. PAVEMENT/SIDEWALK REMOVAL
	PROP. BRICK SIDEWALK
	PROP. STORM DRAIN PIPE
	PROP. CURB INLET
	PROP. GRATE INLET
	PROP. COMBINATION INLET
	PROP. MANHOLE

LIMIT OF WORK
WHITE FLINT ACCESS IMPROV.
ROCKVILLE PIKE (MD 355)
STA. 379+62.06

NOTES:
 NO SWM IS PROPOSED FOR THIS PROJECT, PLEASE REFER TO SWM WAIVER AND SWM REPORT.

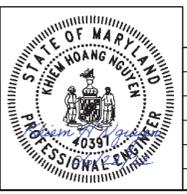


MATCH LINE -- SEE DD-01 STA 379+50 SHA TRACKING NO. 21APMO008XX

SCSWM-04 OF SCSWM-18 DD-03



PROFESSIONAL CERTIFICATION:
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 LICENSE NO.: 40397 EXPIRATION DATE: 06/09/2024



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

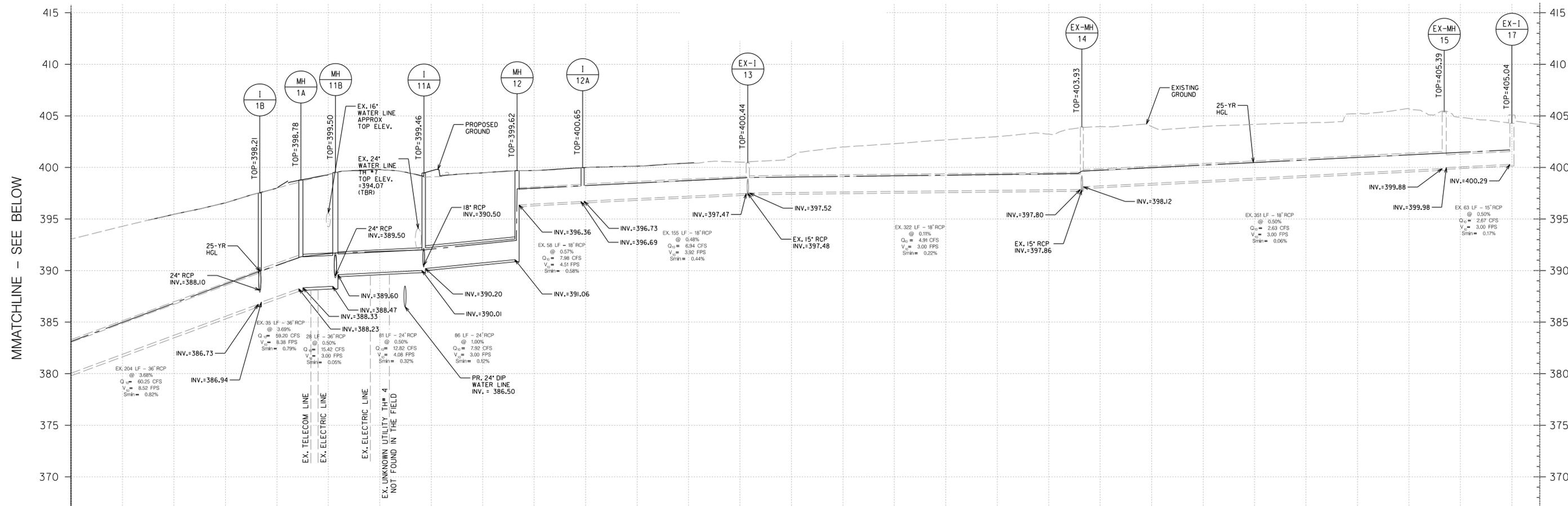
Designed by: _____ Drawn by: _____ Checked by: _____

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS
DRAINAGE & STORMWATER
MANAGEMENT PLAN

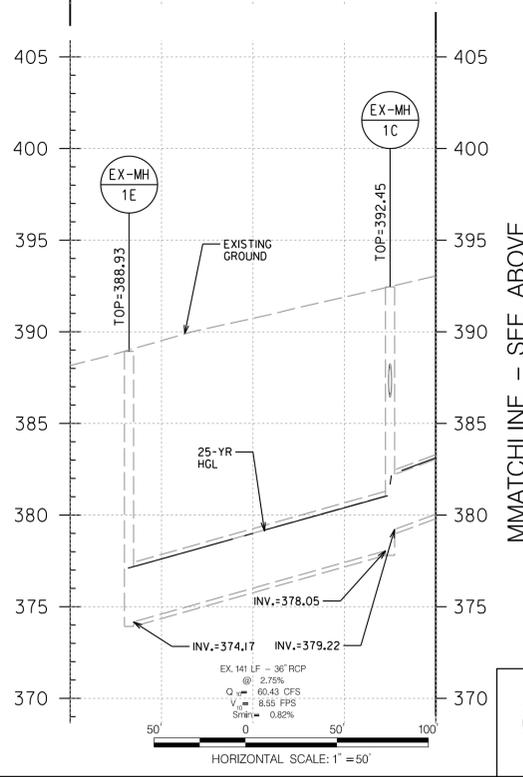
SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 12 of 93

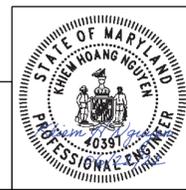
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PIPE PROFILE FROM EX-I-17 TO EX-MH-1D
SEE SHEET DD-01, DD-02, DD-03



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LICENSE NO: _____ EXPIRATION DATE: _____



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SHA TRACKING NO. 21APM008XX

SC/SWM-06 OF SC/SWM-18

PP-02

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

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

PIPE PROFILES

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

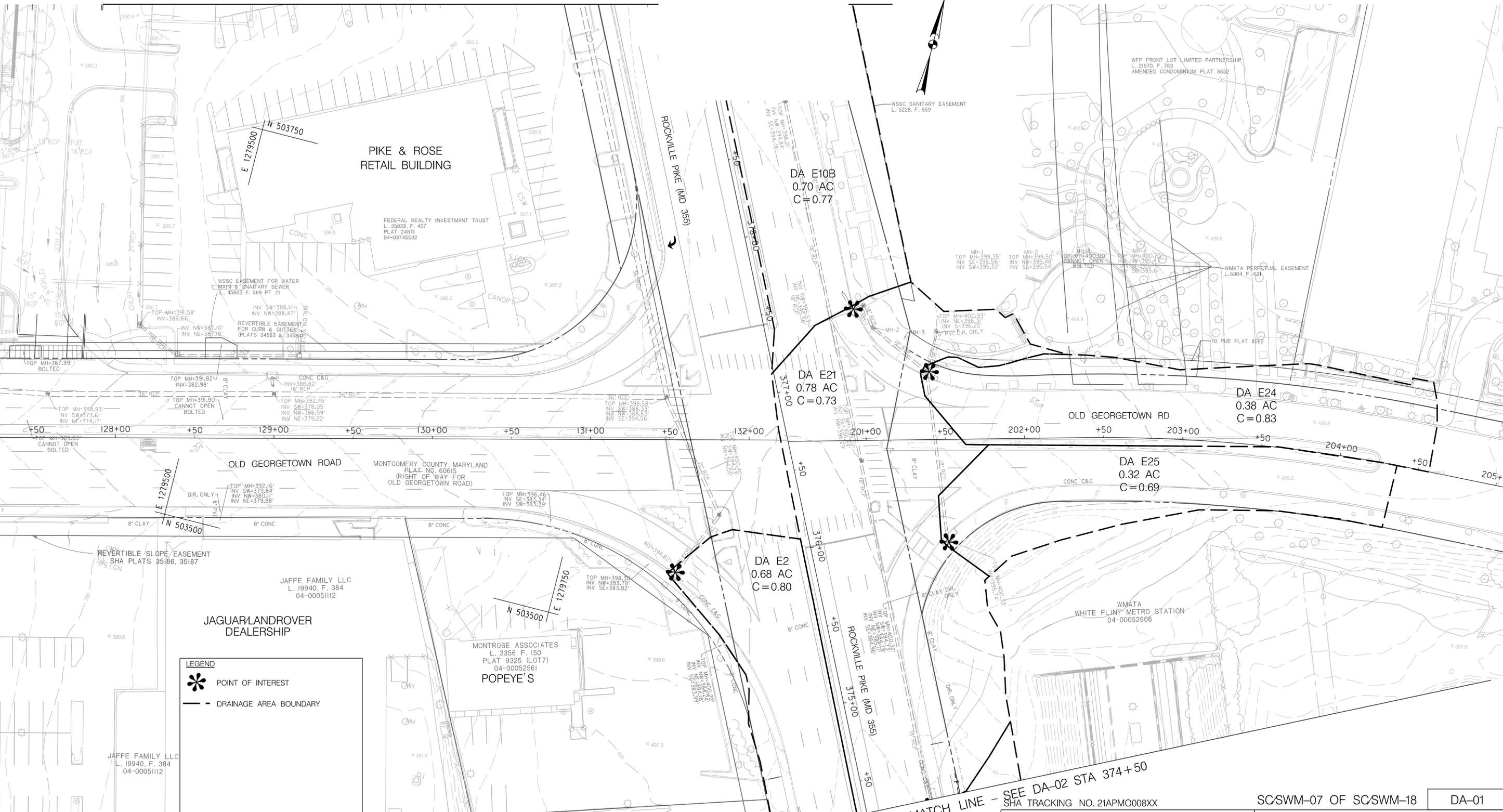
SEE TITLE SHEET FOR SIGNATURES _____ Date _____
Chief, Division of Transportation Engineering

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

SCALE : 1" = 50' DATE : JUNE 2022

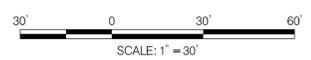
Project No. : 502106 SHEET \$PP02\$ of 93

MATCH LINE - SEE DA-03 STA 379+50



LEGEND

- POINT OF INTEREST
- DRAINAGE AREA BOUNDARY

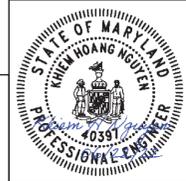


MATCH LINE - SEE DA-02 STA 374+50

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LICENSE NO.: 40397 EXPIRATION DATE: 06/09/2024



NO.	REVISION	DATE	BY

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

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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: _____

SCSWM-07 OF SCSWM-18 DA-01

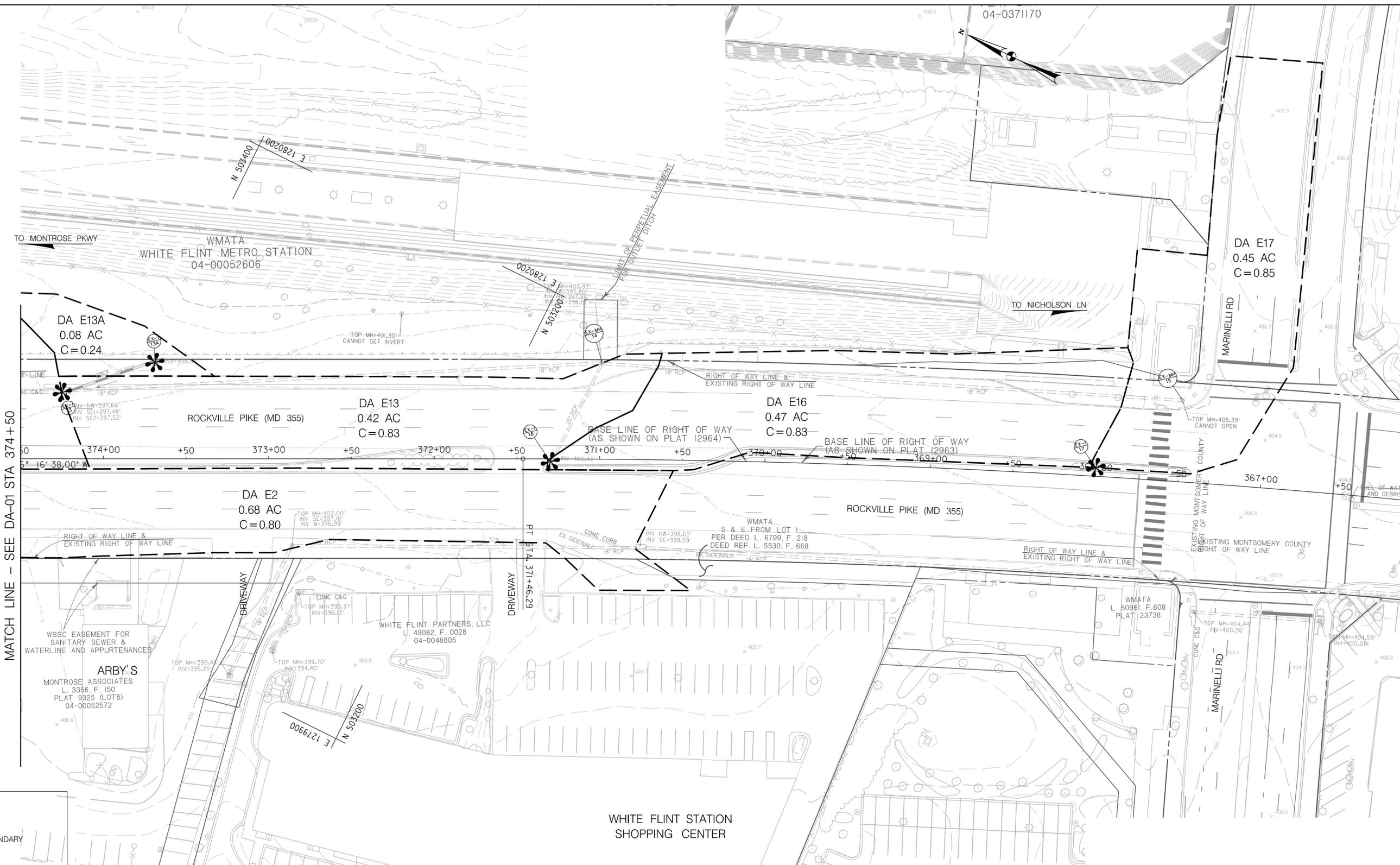
**WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS**

EXISTING DRAINAGE AREA MAP

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 15 of 93

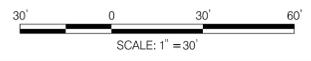
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MATCH LINE - SEE DA-01 STA 374+50

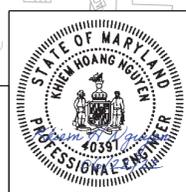
LEGEND

- POINT OF INTEREST
- DRAINAGE AREA BOUNDARY



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NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO008XX

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

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 Chief, Design Section _____ Date _____

APPROVED

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

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

SCSWM-08 OF SCSWM-18 DA-02

**WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS**

EXISTING DRAINAGE AREA MAP

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 16 of 93

6/23/2022 UA\2026213204\700 CADD\701 Sheet\Phase 2\pda-0003_WFMetro.dgn



LEGEND

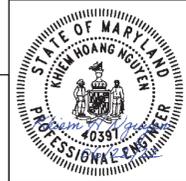
- POINT OF INTEREST
- DRAINAGE AREA BOUNDARY

SCALE: 1" = 30'

MATCH LINE - SEE DA-01 STA 379+50 SHA TRACKING NO. 21APMO08XX SCSWM-09 OF SCSWM-18 DA-03

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GAITHERSBURG, MARYLAND

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Chief, Design Section Date

APPROVED

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Chief, Division of Transportation Engineering Date

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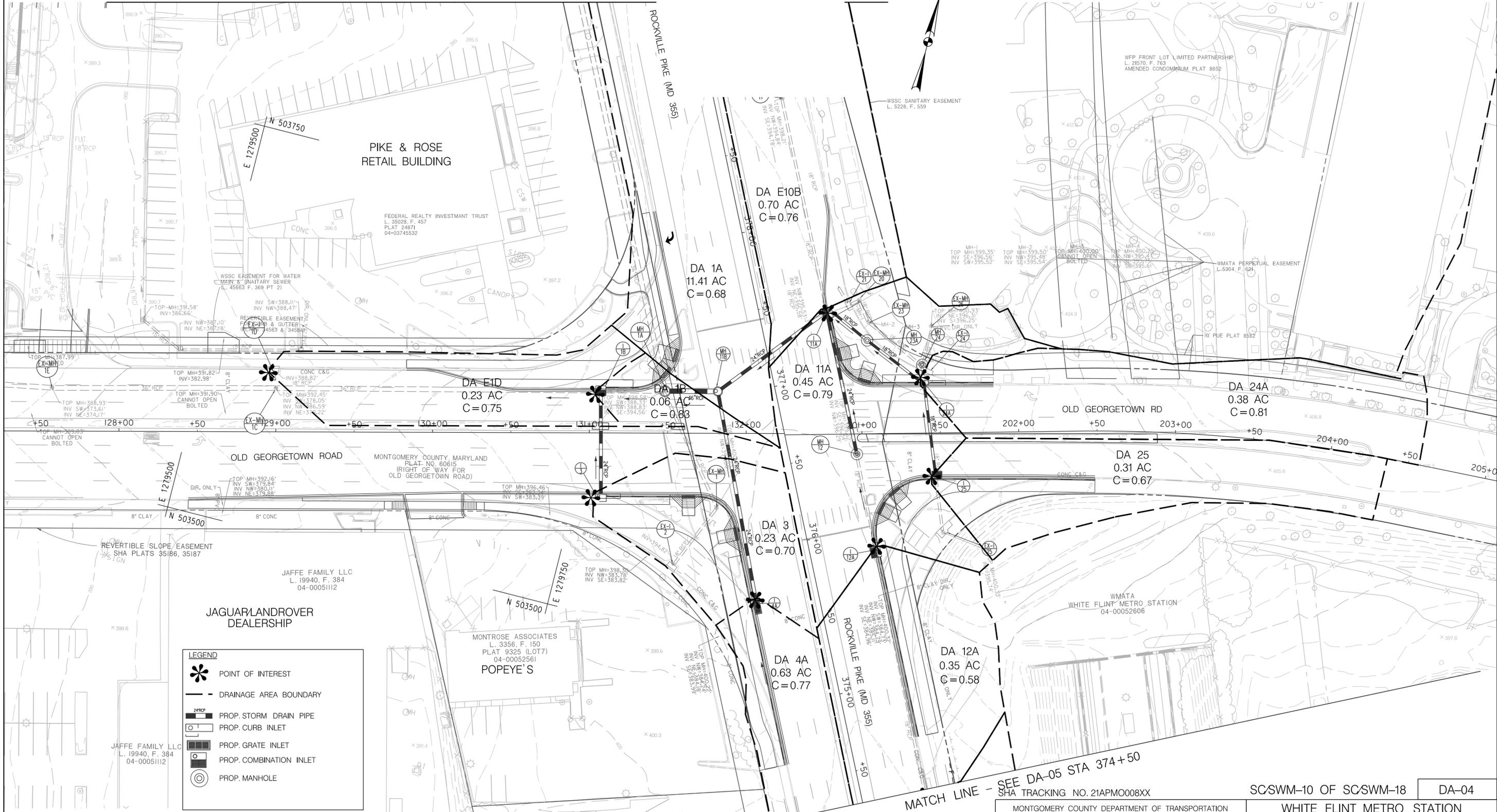
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

EXISTING DRAINAGE AREA MAP

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 17 of 93

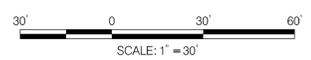
MATCH LINE - SEE DA-06 STA 379+50



MATCH LINE - SEE DA-05 STA 374+50

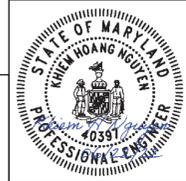
LEGEND

- POINT OF INTEREST
- DRAINAGE AREA BOUNDARY
- PROP. STORM DRAIN PIPE
- PROP. CURB INLET
- PROP. GRATE INLET
- PROP. COMBINATION INLET
- PROP. MANHOLE



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 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
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 Chief, Design Section Date

APPROVED
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 Chief, Division of Transportation Engineering Date

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

SCSWM-10 OF SCSWM-18 DA-04

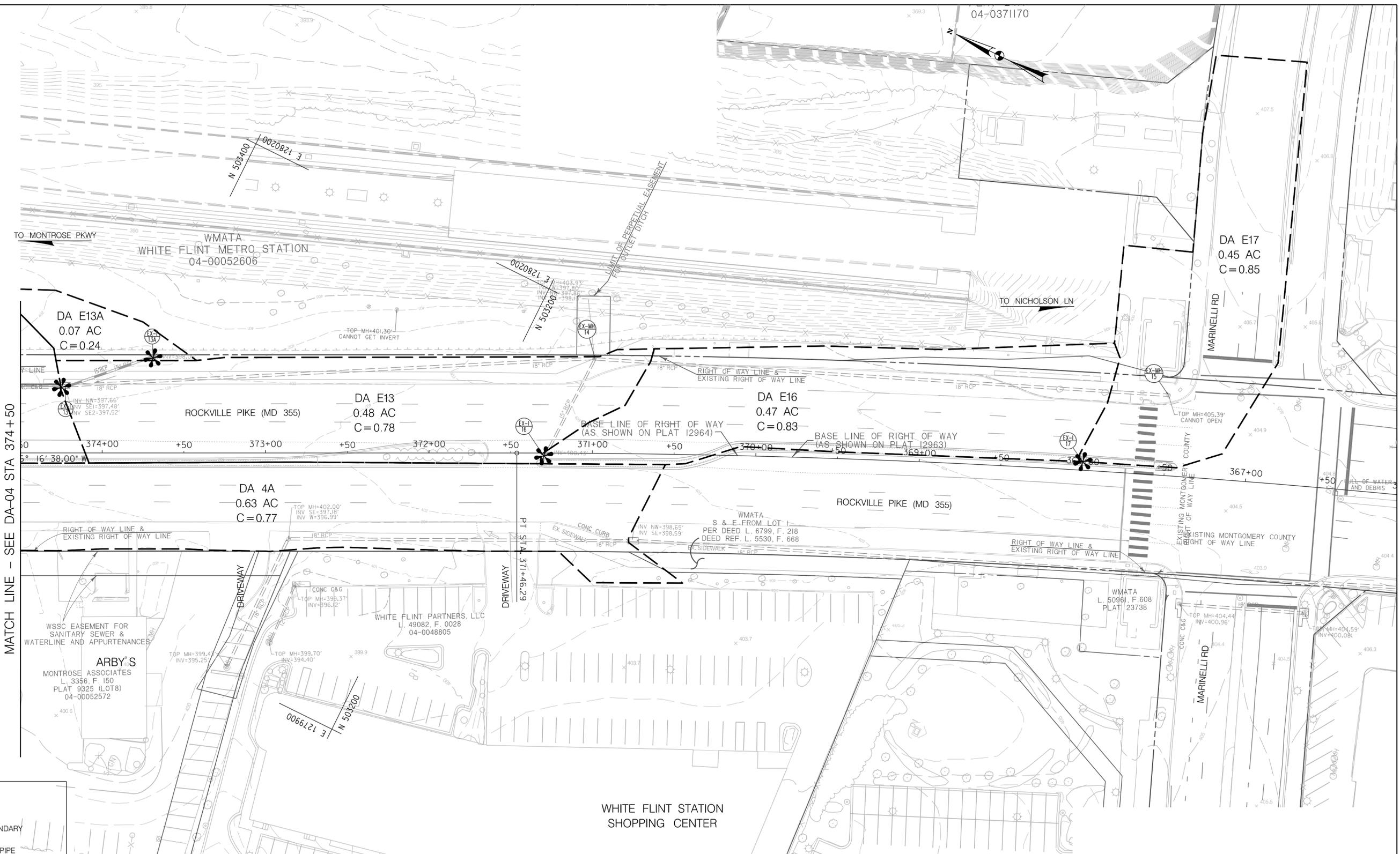
WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

PROPOSED DRAINAGE AREA MAP

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 18 of 93

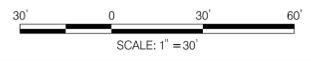
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MATCH LINE - SEE DA-04 STA 374+50

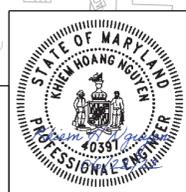
LEGEND

- POINT OF INTEREST
- DRAINAGE AREA BOUNDARY
- PROP. STORM DRAIN PIPE
- PROP. CURB INLET
- PROP. GRATE INLET
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NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
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 GAITHERSBURG, MARYLAND

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 Chief, Division of Transportation Engineering _____ Date _____

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SCSWM-11 OF SCSWM-18 DA-05

**WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS**

PROPOSED DRAINAGE AREA MAP

SCALE : 1" = 30' DATE : JUNE 2022

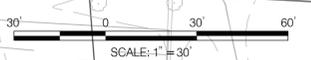
Project No. : 502106 SHEET 19 of 93

6/23/2022 UA\2026213204\700 CADD\701 Sheet\Phase 2\pda-0006_WFMetro.dgn



LEGEND

- POINT OF INTEREST
- DRAINAGE AREA BOUNDARY
- PROP. STORM DRAIN PIPE
- PROP. CURB INLET
- PROP. GRATE INLET
- PROP. COMBINATION INLET
- PROP. MANHOLE



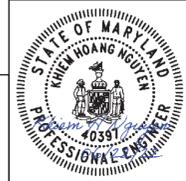
MATCH LINE - SEE DA-04 STA 379+50

SHA TRACKING NO. 21APMO08XX

SCSWM-12 OF SCSWM-18 DA-06

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: 40397 EXPIRATION DATE: 06/09/2024



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

PROPOSED DRAINAGE AREA MAP

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 20 of 93

MONTGOMERY COUNTY GOVERNMENT
STANDARD EROSION AND SEDIMENT CONTROL NOTES

- The permittee shall notify the Department of Permitting Services (DPS) forty-eight (48) hours before commencing any land disturbing activity and, unless waived by the Department, shall be required to hold a pre-construction meeting between them or their representative, their engineer and an authorized representative of the Department.
- The permittee must obtain inspection and approval by DPS at the following points:
 - At the required pre-construction meeting.
 - Following installation of sediment control measures and prior to any other land disturbing activity.
 - During the installation of a sediment basin or stormwater management structure at the required inspection points (see Inspection Checklist on plan). Notification prior to commencing construction is mandatory.
 - Prior to removal or modification of any sediment control structure(s).
 - Prior to final acceptance.
- The permittee shall construct all erosion and sediment control measures per the approved plan and construction sequence, shall have them inspected and approved by the Department prior to beginning any other land disturbances, shall ensure that all runoff from disturbed areas is directed to the sediment control devices, and shall not remove any erosion or sediment control measure without prior permission from the Department.
- The permittee shall protect all points of construction ingress and egress to prevent the deposition of materials onto traversed public thoroughfare(s). All materials deposited onto public thoroughfare(s) shall be removed immediately.
- The permittee shall inspect periodically and maintain continuously in effective operating condition, all erosion and sediment control measures until such time as they are removed with prior permission from the Department. The permittee is responsible for immediately repairing or replacing any sediment control measures which have been damaged or removed by the permittee or any other person.
- Following initial soil disturbance or re-disturbance, permanent or temporary stabilization must be completed within:
 - Three (3) calendar days as to the surface of all perimeter dikes, swales, ditches, perimeter slopes and all slopes steeper than 3 horizontal to 1 vertical (3:1); and
 - Seven (7) calendar days as to all other disturbed or graded areas on the project site not under active grading.

All areas disturbed outside of the perimeter sediment control system must be minimized and stabilized immediately. Maintenance must be performed as necessary to ensure continued stabilization.
- The permittee shall apply sod, seed, and anchored straw mulch, or other approved stabilization measures to all disturbed areas within seven (7) calendar days after striping and grading activities have ceased on that area. Maintenance shall be performed as necessary to ensure continued stabilization. Active construction areas such as borrow or stockpile areas, roadway improvements, and areas within fifty (50) feet of a building under construction may be exempt from this requirement, provided that erosion and sediment control measures are installed and maintained to protect those areas.
- Prior to removal of sediment control measures, the permittee shall stabilize all contributory disturbed areas with required soil amendments and topsoil, using sod or an approved permanent seed mixture and an approved anchored mulch. Wood fiber mulch may only be used in seeding season when the slope does not exceed 10% and grading has been done to promote sheet flow drainage. Areas brought to finished grade during the seeding season shall be permanently stabilized within seven (7) calendar days of establishment. When property is brought to finished grade during the months of November through February, and permanent stabilization is found to be impractical, an approved temporary seed and straw anchored mulch shall be applied to disturbed areas. The final permanent stabilization of such property shall be completed prior to the following April 15.
- The site permit, work, materials, approved SC/SM plans, and test reports shall be available at the site for inspection by duly authorized officials of Montgomery County.
- Surface drainage flows over unstabilized cut and fill slopes shall be controlled by either preventing drainage flows from traversing the slopes or by installing mechanical devices to lower the water down slope without causing erosion. Dikes shall be installed and maintained at the top of cut or fill slopes until the slope and drainage area to it are fully stabilized, at which time they must be removed and final grading done to promote sheet flow drainage. Mechanical devices must be provided at points of concentrated flow where erosion is likely to occur.
- Permanent swales or other points of concentrated water flow shall be stabilized within 3 calendar days of establishment with sod or seed with an approved erosion control matting or by other approved stabilization measures.
- Sediment control devices shall be removed, with permission of the Department, within thirty (30) calendar days following establishment of permanent stabilization in all contributory drainage areas. Stormwater management structures used temporarily for sediment control shall be converted to the permanent configuration within this time period as well.
- No permanent cut or fill slope with a gradient steeper than 3:1 will be permitted in lawn maintenance areas or on residential lots. A slope gradient of up to 2:1 will be permitted in non-maintenance areas provided that those areas are indicated on the erosion and sediment control plan with a low-maintenance ground cover specified for permanent stabilization. Slope gradient steeper than 2:1 will not be permitted with vegetative stabilization.
- The permittee shall install a splashblock at the bottom of each downspout unless the downspout is connected by a drain line to an acceptable outlet.
- For finished grading, the permittee shall provide adequate gradients so as to prevent water from standing on the surface of lawns more than twenty-four (24) hours after the end of a rainfall, except in designated drainage courses and swale flow areas, which may drain as long as forty-eight (48) hours after the end of a rainfall.
- Sediment traps or basins are not permitted within 20 feet of a building which is existing or under construction. No building may be constructed within 20 feet of a sediment trap or basin.
- All inlets in non-sump areas shall have asphalt berms installed at the time of base paving establishment.
- The sediment control inspector has the option of requiring additional sediment control measures, as deemed necessary.
- All trap elevations are relative to the outlet elevation, which must be on existing undisturbed ground.
- Vegetative stabilization shall be performed in accordance with the Standards and Specifications for Soil Erosion and Sediment Control.
- Sediment trap(s)/basin(s) shall be cleaned out and restored to the original dimensions when sediment has accumulated to the point of one-half (1/2) the wet storage depth of the trap/basin (1/4 the wet storage depth for ST-III) or when required by the sediment control inspector.

- Sediment removed from traps/basins shall be placed and stabilized in approved areas, but not within a floodplain.
- All sediment basins and traps must be surrounded with a welded wire safety fence. The fence must be at least 42 inches high, have posts spaced no farther apart than 8 feet, have mesh openings no greater than two inches in width and four inches in height, with a minimum of 14 gauge wire. Safety fence must be maintained in good condition at all times.
- No excavation in the areas of existing utilities is permitted unless their location has been determined. Call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work.
- Off-site spoil or borrow areas must have prior approval by DPS.
- Sediment trap/basin dewatering for cleanup or repair may only be done with the DPS inspector's permission. The inspector must approve the dewatering method for each application. The following methods may be considered:
 - Pump discharge may be directed to another on-site sediment trap or basin, provided it is of sufficient volume and the pump intake is floated to prevent agitation or suction of deposited sediments; or
 - the pump intake may utilize a Removable Pumping Station and must discharge into an undisturbed area through a non-erosive outlet; or
 - the pump intake may be floated and discharge into a Dirt Bag (12 oz. non-woven fabric), or approved equivalent, located in an undisturbed buffer area.

Remember: Dewatering operation and method must have prior approval by the DPS inspector.
- The permittee must notify the Department of all utility construction activities within the permitted limits of disturbance prior to the commencement of those activities.
- Topsoil must be applied to all pervious areas within the limits of disturbance prior to permanent stabilization in accordance with MDE "Standards and Specifications for Soil Preparation, Topsoiling, and Soil Amendments".

STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING AND SOIL AMENDMENTS

Definition
The process of preparing the soils to sustain adequate vegetative stabilization.

Purpose
To provide a suitable soil medium for vegetative growth.

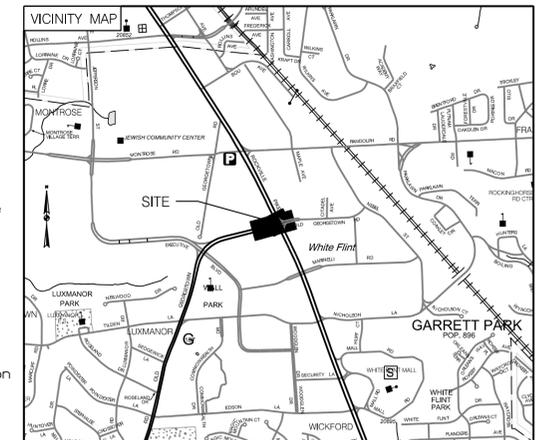
Conditions Where Practice Applies
Where vegetative stabilization is to be established.

Criteria

- Soil Preparation**
 - Temporary stabilization**
 - Seeded preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment, such as disc harrows or chisel plows or rippers mounted on construction equipment. After the soil is loosened, it must not be rolled or dragged smooth but left in the roughened condition. Slopes 3:1 or flatter are to be tracked with ridges running parallel to the contour of the slope.
 - Apply fertilizer and lime as prescribed on these plans.
 - Incorporate lime and fertilizer into the top 3 to 5 inches of soil by disking or other suitable means.
 - Permanent Stabilization**
 - A soil test is required for any earth disturbance of 5 acres or more. The minimum soil conditions required for permanent vegetative establishment are:
 - Soil pH between 6.0 and 7.0.
 - Soluble salts less than 500 parts per million (ppm), than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture. An exception: if lovegrass will be planted, then a sandy soil (less than 30 percent silt plus clay) would be acceptable.
 - Soil contains 1.5 percent minimum organic matter by weight.
 - Soil contains sufficient pore space to permit adequate root penetration.
 - Application of amendments or topsoil is required if on-site soils do not meet the above conditions.
 - Graded areas must be maintained in a true and even grade as specified on the approved plan, then scarified or otherwise loosened to a depth of 3 to 5 inches.
 - Apply soil amendments as specified on the approved plan or as indicated by the results of a soil test.
 - Mix soil amendments into the top 3 to 5 inches of soil by disking or other suitable means. Rake lawn areas to smooth the surface, remove large objects like stones and branches, and ready the area for seed application. Loosen surface soil by dragging with a heavy chain or other equipment to roughen the surface where site conditions will not permit normal seeded preparation. Track slopes 3:1 or flatter with tracked equipment leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. Leave the top 1 to 3 inches of soil loose and friable. seedbed loosening may be unnecessary on newly disturbed areas.
- Topsoiling**
 - Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation. The purpose is to provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants and/or unacceptable soil gradation.
 - Topsoil salvaged from an existing site may be used provided it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the soil survey published by USDA-NRCS.
 - Topsoiling is limited to areas having 2:1 for flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plants growth.

- The soil is so acidic that treatment with limestone is not feasible.
- Areas having slopes steeper than 2:1 require special consideration and design.
- Topsoil specifications: soil to be used as topsoil must meet the following criteria:
 - Topsoil must be a loam, sandy loam, clay loam, silt loam, sandy clay loam, or loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Topsoil must not be a mixture of contrasting textured subsoils and must contain less than 5 percent by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1.5 inches in diameter.
 - Topsoil must be free of noxious plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nut sledge, poison ivy, thistle, or others as specified.
 - Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.
- Topsoil Application
 - Erosion and sediment control practices must be maintained when applying topsoil.
 - Uniformly distribute topsoil in a 5 to 8 inch layer and lightly compacted to a minimum thickness of 4 inches. Spreading is to be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations must be corrected in order to prevent the formation of depressions or water pockets.
 - Topsoil must not be placed if the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet, or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.
- Soil amendments (fertilizer and lime specifications)
 - Soil tests must be performed to determine the exact ratios and application rates for both lime and fertilizer on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analysis.
 - Fertilizers must be uniform in composition, free flowing and suitable for accurate application by appropriate equipment. Manure may be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers must all be delivered to the site fully labeled according to the applicable laws and must bear the name, trade name or trademark and warranty of the producer.
 - Lime materials must be ground limestone (hydrated or burnt lime may be substituted except when hydroseeding) which contains at least 50 percent total oxides (calcium oxide plus magnesium oxide). Limestone must be ground to such fineness that at least 50 percent will pass through a #100 mesh sieve and 98 to 100 percent will pass through a #20 mesh sieve.
 - Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by disking or other suitable means.
 - Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

BEFORE BEGINNING CONSTRUCTION CONTACT
"MISS UTILITY"
AT
1-800-257-7777
AT LEAST 48 HOURS PRIOR TO EXCAVATION



SHA TRACKING NO. 21APMO08XX

SCSWM-13 OF SCSWM-18 ESC-01

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

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

EROSION & SEDIMENT
CONTROL NOTES



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: 06-30-2022



NO.	REVISION	DATE	BY

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: _____

SCALE : 1" = 30' DATE : JUNE 2022
Project No. : 502106 SHEET 22 of 93

STANDARD SYMBOLS

AT-GRADE INLET PROTECTION		ROCK OUTLET PROTECTION II	
BAFFLE BOARDS		ROCK OUTLET PROTECTION III	
CATCH BASIN INSERT		SILT FENCE	
CLEAR WATER DIVERSION PIPE	 <small>NOTE: DESIGNATION CWD-12 REFERS TO CLEAR WATER DIVERSION WITH 12 INCH PIPE.</small>	SILT FENCE ON PAVEMENT	
COMBINATION INLET PROTECTION		SOD	
CURB INLET PROTECTION		STABILIZED CONSTRUCTION ENTRANCE	
DIVERSION FENCE		STANDARD INLET PROTECTION	
EARTH DIKE	 <small>PLACE DESIGNATION A-1-10 TO INDICATE LOCATION OF FLOW CHANNEL SIDE OF DIKE.</small>	STOCKPILE AREA	
EMERGENCY SPILLWAY		STONE CHECK DAM	
FILTER BAG		STONE/RIPRAP OUTLET SEDIMENT TRAP ST II	
FILTER BERM	 <small>FB-B symbol</small>	SUBSURFACE DRAINS	
FILTER LOG	 <small>NOTE: DESIGNATION FL-18 REFERS TO FILTER LOG WITH 18 INCH DIAMETER.</small>	SUMP PIT	
GABION INFLOW PROTECTION		SUPER SILT FENCE	
GABION INLET PROTECTION		TEMPORARY ACCESS CULVERT	
LIMIT OF DISTURBANCE		TEMPORARY ASPHALT BERM	
MEDIAN INLET PROTECTION		TEMPORARY BARRIER DIVERSION	
MEDIAN SUMP INLET PROTECTION		TEMPORARY GABION OUTLET STRUCTURE	
MOUNTABLE BERM		TEMPORARY SOIL STABILIZATION MATTING-TYPE A	
PERIMETER DIKE/SWALE		TEMPORARY SOIL STABILIZATION MATTING-TYPE E	
PERMANENT SOIL STABILIZATION MATTING-TYPE B		TEMPORARY SOIL STABILIZATION MATTING-TYPE D	
PERMANENT SOIL STABILIZATION MATTING-TYPE C		TEMPORARY STONE OUTLET STRUCTURE	
PIPE OUTLET SEDIMENT TRAP ST I		TEMPORARY SWALE	 <small>PLACE DESIGNATION A-1-10 TO INDICATE LOCATION OF FLOW CHANNEL SIDE OF SWALE.</small>
PIPE SLOPE DRAIN	 <small>NOTE: DESIGNATION PSD-12 REFERS TO PIPE SLOPE DRAIN WITH 12 INCH PIPE.</small>	WASH RACK OPTION	
PLUNGE POOL		CHESAPEAKE BAY CRITICAL AREA	
PORTABLE SEDIMENT TANK		DRAINAGE BOUNDARY	
REMOVABLE PUMPING STATION		EXISTING CONTOURS	
RIPRAP INFLOW PROTECTION		PROPOSED CONTOURS	
RIPRAP OUTLET SEDIMENT TRAP ST III		TREE PROTECTION FENCE	
ROCK OUTLET PROTECTION I		WETLAND	
		WETLAND BUFFER	
		100-YEAR FLOODPLAIN	

GENERAL NOTES

- PRIOR TO CLEARING OF TREES, INSTALLING SEDIMENT CONTROL MEASURES, OR GRADING, A PRECONSTRUCTION MEETING MUST BE CONDUCTED ON-SITE WITH THE MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES (MCPDS) SEDIMENT CONTROL INSPECTOR (240) 777-0311 (48 HOURS NOTICE), THE OWNERS REPRESENTATIVE, AND THE SITE ENGINEER. IN ORDER FOR THE MEETING TO OCCUR, THE APPLICANT MUST PROVIDE ONE PAPER SET OF APPROVED SEDIMENT CONTROL PLANS TO THE MCPDS SEDIMENT CONTROL INSPECTOR AT THE PRECONSTRUCTION MEETING. IF NO PLANS ARE PROVIDED, THE MEETING SHALL NOT OCCUR AND WILL NEED TO BE RESCHEDULED PRIOR TO COMMENCING ANY WORK. APPLIES FOR ALL PHASES.
- THE LIMITS OF DISTURBANCE MUST BE FIELD MARKED PRIOR TO CLEARING OF TREES, INSTALLATION OF SEDIMENT CONTROL MEASURES, CONSTRUCTION, OR OTHER LAND DISTURBING ACTIVITIES.
- THE PERMITTEE MUST OBTAIN WRITTEN APPROVAL FROM THE MNCPPC INSPECTOR, CERTIFYING THAT THE LIMITS OF DISTURBANCE AND ANY TREE PROTECTION MEASURES ARE CORRECTLY MARKED AND INSTALLED PRIOR TO COMMENCING AND CLEARING.
- ONCE THE SEDIMENT CONTROL DEVICES ARE INSTALLED THE PERMITTEE MUST OBTAIN WRITTEN APPROVAL FROM THE MCPDS INSPECTOR BEFORE PROCEEDING WITH ANY ADDITIONAL CLEARING, GRUBBING, OR GRADING.
- CLEAR AND GRADE FOR INSTALLATION OF SEDIMENT CONTROL DEVICES.
- CONSTRUCTION OF PHASE 1 AND PHASE 2 TO OCCUR CONCURRENTLY. CONSTRUCTION OF OTHER PHASES CAN OCCUR COINCIDENTALLY IF THE CONTRACTOR CHOOSES AS LONG AS APPROVALS ARE IN PLACE.
- REMOVE WATER THAT POOLS WITHIN ANY AREA OF EXCAVATION WITH SUMP PIT, PUMP, AND FILTER BAG.
- WEATHER SHOULD BE MONITORED TO ENSURE CONSTRUCTION IS DONE IN A DAY WITH NO EXPECTED RAINFALL.
- SITE SHOULD BE STABILIZED AT THE END OF EACH WORKDAY.
- OBTAIN WRITTEN APPROVAL FROM MCPDS INSPECTOR, PRIOR TO THE REMOVAL OF ANY SEDIMENT CONTROL DEVICES FOR EACH SEQUENCE.
- PLANT AND VEGETATE SITE AS SHOWN ON LANDSCAPE PLAN. CONTRACTOR MAY HAVE ALL TREE PLANTING TO OCCUR AT THE FINAL PHASE OF THE PROJECT.
- STABILIZE SITE AND GET WRITTEN APPROVAL FROM MCPDS INSPECTOR TO REMOVE REMAINING SEDIMENT CONTROL DEVICES.



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: 06-30-2022



SEQUENCE OF CONSTRUCTION

PHASE 1 & PHASE 2 (CONCURRENT)

- CLEAR AND GRADE FOR INSTALLATION OF SEDIMENT CONTROL DEVICES.
- INSTALL SEDIMENT CONTROL DEVICES: SUPER SILT FENCES (FOR PHASE 2 ONLY), STABILIZED CONSTRUCTION ENTRANCE WITH WASH RACK, STOCKPILING AND STAGING AREA, AND INLET PROTECTION FOR THE EXISTING INLETS, EX-1-10, EX-1-21 AND EX-1-25
- ONCE THE SEDIMENT CONTROL DEVICES ARE INSTALLED THE PERMITTEE MUST OBTAIN WRITTEN APPROVAL FROM THE MCPDS INSPECTOR BEFORE PROCEEDING WITH ANY ADDITIONAL CLEARING, GRUBBING, OR GRADING.
- BEGINNING AT THE ROCKVILLE PIKE/OLD GEORGETOWN RD INTERSECTION BETWEEN STA. 375+62 TO STA. 377+78, EXCAVATE AND RELOCATE THE EXISTING 24" WATERMAIN ALONG ROCKVILLE PIKE NB. PLACE FULL DEPTH PAVEMENT.
- OBTAIN WRITTEN APPROVAL FROM MCPDS INSPECTOR AND REMOVE SEDIMENT CONTROL DEVICES FROM EX-1-21 AND EX-1-25.
- BEGINNING IN THE NW QUADRANT OF THE ROCKVILLE PIKE/OLD GEORGETOWN RD INTERSECTION, PERFORM EXCAVATION FOR THE REMOVAL OF THE EXISTING CHANNELIZATION ISLAND AND RIGHT TURN RAMP.
- CONSTRUCT THE PROPOSED STORM DRAIN IMPROVEMENTS: THIS INCLUDES STRUCTURES I-1B, MH-1A, MH-11B AND THE PIPE FROM MH-11B TO MH-1A, AND THE THREE (3) 8-FT 24" RCP STUBS GOING INTO MH-11B AND I-1B. NOTE: INSTALLATION OF DRAINAGE STRUCTURES I-1B AND MH-1A MUST OCCUR DURING DAYS WITH NO EXPECTED RAINFALL AND CONTRACTOR MUST ENSURE EXISTING DRAINAGE SYSTEM REMAINS ONLINE AND FUNCTIONAL WHEN CONSTRUCTION IS NOT OCCURRING OR DURING RUNOFF PRODUCING RAIN EVENTS. ALL STUBS MUST BE PLUGGED PRIOR TO FILL.
- CONSTRUCT THE CURB AND GUTTER, SIDEWALK AND PEDESTRIAN RAMPS AS SHOWN ON THE PLANS AT THE NW QUADRANT AT PHASE 2 OF CONSTRUCTION. PLACE FULL DEPTH PAVEMENT AND PERMANENTLY STABILIZE DISTURBED ROADSIDE AREAS AS INDICATED ON THE LANDSCAPE PLANS WITH THE EXCEPTION OF THE STAGING AND STOCKPILING AREA.
- OBTAIN WRITTEN APPROVAL FROM MCPDS INSPECTOR AND REMOVE SEDIMENT CONTROL DEVICES EXCEPT FOR DEVICES REQUIRED OF THE STOCKPILING AND STAGING AREA, SUCH AS THE STABILIZED CONSTRUCTION ENTRANCE AND SUPER SILT FENCE.

PHASE 3

- CLEAR AND GRADE FOR INSTALLATION OF SEDIMENT CONTROL DEVICES.
- INSTALL SEDIMENT CONTROL DEVICE(S): INLET PROTECTION FOR INLETS, EX-1-10, I-1B, AND EX-1-21.
- PERFORM EXCAVATION AND CONSTRUCT THE PROPOSED STORM DRAIN IMPROVEMENTS, A 63-FT 24" RCP SEGMENT THAT EXTENDS FROM A PIPE STUB AT MH-11B TOWARDS PROPOSED INLET I-11A AT THE NE QUADRANT OF THE ROCKVILLE PIKE/OLD GEORGETOWN RD INTERSECTION. PLACE FULL DEPTH PAVEMENT. THE EXTENDED PIPE SEGMENT MUST BE PLUGGED PRIOR TO FILL.
- OBTAIN WRITTEN APPROVAL FROM MCPDS INSPECTOR AND REMOVE SEDIMENT CONTROL DEVICES.

PHASE 4

- CLEAR AND GRADE FOR INSTALLATION OF SEDIMENT CONTROL DEVICES.
- INSTALL SEDIMENT CONTROL DEVICE(S): SUPER SILT FENCE(S) AND INLET PROTECTION FOR INLETS, EX-1-21, EX-1-24, AND EX-1-25
- PERFORM EXCAVATION FOR THE REMOVAL OF THE EXISTING CHANNELIZATION ISLAND AND RIGHT TURN RAMP LOCATED IN THE NE QUADRANT OF THE ROCKVILLE PIKE/OLD GEORGETOWN RD INTERSECTION.
- CONSTRUCT THE PROPOSED STORM DRAIN IMPROVEMENTS: THIS INCLUDES STRUCTURES I-11A, MH-12, MH-23A, MH-24, I-24A, AND I-25, AND THE PROPOSED PIPES CONNECTING THE STRUCTURES, INCLUDING THE 24" RCP STUB THAT COMPLETES THE PIPE CONNECTION FROM MH-11B TO I-11A. REMOVE EXISTING PIPE SEGMENTS AND STRUCTURES FOR THE INSTALLATION OF THE PROPOSED STRUCTURE AND PIPES IN THIS PHASE. TEMPORARILY CONNECT EX-1-25 AND THE EXISTING 18" RCP TO I-25 UNTIL START OF THE NEXT PHASE. NOTE: INSTALLATION OF DRAINAGE STRUCTURES AND PIPES MUST OCCUR DURING DAYS WITH NO EXPECTED RAINFALL AND CONTRACTOR MUST ENSURE EXISTING DRAINAGE SYSTEM REMAINS ONLINE AND FUNCTIONAL WHEN CONSTRUCTION IS NOT OCCURRING OR DURING RUNOFF PRODUCING RAIN EVENTS.
- INSTALL SEDIMENT CONTROL DEVICE(S): INLET PROTECTION FOR PR. INLETS, I-11A, I-25, AND I-24A
- CONSTRUCT THE CURB AND GUTTER, SIDEWALK AND PEDESTRIAN RAMPS AS SHOWN ON THE PLANS. PLACE CONSTRUCT PROPOSED MEDIAN ALONG OLD GEORGETOWN ROAD FROM STA. 200+97.06 TO STA. 202+88.59. FULL DEPTH PAVEMENT AND PERMANENTLY STABILIZE DISTURBED ROADSIDE AREAS AS INDICATED ON THE LANDSCAPE PLANS.
- OBTAIN WRITTEN APPROVAL FROM MCPDS INSPECTOR AND REMOVE SEDIMENT CONTROL DEVICES.

PHASE 5

- CLEAR AND GRADE FOR INSTALLATION OF SEDIMENT CONTROL DEVICES.
- INSTALL SEDIMENT CONTROL DEVICE(S): SUPER SILT FENCE(S) AND INLET PROTECTION FOR INLETS, EX-1-25, I-11A, I-25, AND I-24A
- PERFORM EXCAVATION FOR THE REMOVAL OF THE EXISTING CHANNELIZATION ISLAND AND RIGHT TURN RAMP LOCATED IN THE SE QUADRANT OF THE ROCKVILLE PIKE/OLD GEORGETOWN RD INTERSECTION.
- CONSTRUCT THE PROPOSED STORM DRAIN IMPROVEMENTS: THIS INCLUDES STRUCTURE I-12A. REMOVE EXISTING INLET EX-1-25 AND PIPE SEGMENT FROM EX-1-25 AND I-25. INSTALLATION OF DRAINAGE STRUCTURES AND PIPES MUST OCCUR DURING DAYS WITH NO EXPECTED RAINFALL AND CONTRACTOR MUST ENSURE EXISTING DRAINAGE SYSTEM REMAINS ONLINE AND FUNCTIONAL WHEN CONSTRUCTION IS NOT OCCURRING OR DURING RUNOFF PRODUCING RAIN EVENTS.
- INSTALL SEDIMENT CONTROL DEVICE(S): INLET PROTECTION FOR INLETS I-12A.
- CONSTRUCT THE CURB AND GUTTER, SIDEWALK AND PEDESTRIAN RAMPS AS SHOWN ON THE PLANS. PLACE FULL DEPTH PAVEMENT AND PERMANENTLY STABILIZE DISTURBED ROADSIDE AREAS AS INDICATED ON THE LANDSCAPE PLANS.
- OBTAIN WRITTEN APPROVAL FROM MCPDS INSPECTOR AND REMOVE SEDIMENT CONTROL DEVICES.

PHASE 6

- CLEAR AND GRADE FOR INSTALLATION OF SEDIMENT CONTROL DEVICES.
- INSTALL SEDIMENT CONTROL DEVICE(S): INLET PROTECTION FOR INLETS, EX-1-10, I-1B, AND EX-1-2
- AT THE STA. 131+07 AND STA. 132+87 ALONG OLD GEORGETOWN RD, CONSTRUCT THE PROPOSED STORM DRAIN IMPROVEMENTS: THIS INCLUDES THE TWO 24" RCP SEGMENTS EXTENDING FROM THE STRUCTURES AND STUBS AT I-1B TO I-3 AND MH-11B TO I-4A, RESPECTIVELY. THE EXTENDED PIPE SEGMENTS MUST BE PLUGGED PRIOR TO FILL.
- RECONSTRUCT PROPOSED MEDIAN SEGMENTS ALONG OLD GEORGETOWN ROAD AS SHOWN ON PLAN.
- OBTAIN WRITTEN APPROVAL FROM MCPDS INSPECTOR AND REMOVE SEDIMENT CONTROL DEVICES.

PHASE 7

- CLEAR AND GRADE FOR INSTALLATION OF SEDIMENT CONTROL DEVICES.
- INSTALL SEDIMENT CONTROL DEVICE(S): SUPER SILT FENCE(S) AND INLET PROTECTION FOR INLET EX-1-2 AND THE SUPER SILT FENCE ALONG LOD.
- PERFORM EXCAVATION FOR THE REMOVAL OF THE EXISTING CHANNELIZATION ISLAND AND RIGHT TURN RAMP LOCATED IN THE SW QUADRANT OF THE ROCKVILLE PIKE/OLD GEORGETOWN RD INTERSECTION.
- CONSTRUCT THE PROPOSED STORM DRAIN IMPROVEMENTS: THIS INCLUDES STRUCTURES I-3 AND I-4A, AND THE REMAINING PIPE SEGMENTS THAT COMPLETES THE CONNECTION TO I-1B AND MH-11B, RESPECTIVELY. REMOVE EX-1-2 AND EXISTING PIPE FROM EX-1-2 TO EX-MH-1, ABANDON EX-MH-1 AND EXISTING PIPE FROM EX-MH-1 TO MH-1A.
- INSTALL SEDIMENT CONTROL DEVICE(S): INLET PROTECTION FOR I-4A AND I-3.
- CONSTRUCT THE CURB AND GUTTER, SIDEWALK AND PEDESTRIAN RAMPS AS SHOWN ON THE PLANS. PLACE FULL DEPTH PAVEMENT AND PERMANENTLY STABILIZE DISTURBED ROADSIDE AREAS AS INDICATED ON THE LANDSCAPE PLANS.
- UPON FINAL STABILIZATION AND WRITTEN APPROVAL FROM MCPDS INSPECTOR, THE PERMITTEE SHALL REMOVE THE SEDIMENT CONTROL DEVICES.

DEPARTMENT OF PERMITTING SERVICES

Marc Elich
County Executive

Mira Pedocem
Director

May 24, 2021

Ms. Lori Adgate
Stantec
6110 Frost Place
Laurel, Maryland 20707

Re: **COMBINED STORMWATER MANAGEMENT CONCEPT/SITE DEVELOPMENT STORMWATER MANAGEMENT PLAN** for MD 355 at Old Georgetown Road
Preliminary Plan #: N/A
SM File #: 286756
Tract Size/Zone: 3.69 Acres
Total Concept Area: 1.41 Acres
Lots/Block: N/A
Parcel(s): N/A
Watershed: Cabin John Creek

Dear Ms. Adgate:

Based on a review by the Department of Permitting Services Review Staff, the stormwater management concept for the above-mentioned site is acceptable. The stormwater management concept proposes to meet required stormwater management goals via waiver of stormwater management requirements due to project restrictions.

This stormwater management concept approval is for the portion of the project that is within the Montgomery County Right-of-Way only. Portions of the project are within the MSHA right-of-way and are subject to MSHA stormwater management requirements and design guidelines. Any stormwater management practices required for this project by MSHA will be reviewed, inspected and maintained by MSHA. The MSHA approved details for these practices must be included as a part of the DPS sediment control plan set, and must be noted as approved, inspected and maintained by MSHA.

The following items will need to be addressed during the detailed sediment control/stormwater management plan stage:

- A detailed review of the stormwater management computations will occur at the time of detailed plan review.
- An engineered sediment control plan must be submitted for this project.
- All filtration media for manufactured best management practices, whether for new development or redevelopment, must consist of MDE approved material.

This list may not be all-inclusive and may change based on available information at the time.

2425 Reeds Drive, 7th Floor, Wheaton, Maryland 20902 | 240-777-0311
www.montgomerycountymd.gov/permitservices

Ms. Lori Adgate
May 24, 2021
Page 2 of 2

Payment of a stormwater management contribution in accordance with Section 2 of the Stormwater Management Regulation 4-90 is not required.

This letter must appear on the sediment control/stormwater management plan at its initial submittal. The concept approval is based on all stormwater management structures being located outside of the Public Utility Easement, the Public Improvement Easement, and the Public Right of Way unless specifically approved on the concept plan. Any divergence from the information provided to this office, or additional information received during the development process, or a change in an applicable Executive Regulation may constitute grounds to rescind or amend any approval actions taken, and to reevaluate the site for additional or amended stormwater management requirements. If there are subsequent additions or modifications to the development, a separate concept request shall be required.

If you have any questions regarding these actions, please feel free to contact Andrew Kohler at 240-777-6275.

Sincerely,
Mark C. Etheridge
Mark C. Etheridge, Manager
Water Resources Section
Division of Land Development Services

MCE: DN 286756
cc: SM File # 286756
ESD: Required/Provided 6274 of 10 of
PS: Target/Provided: 1.870 of
STRUCTURAL: 0 of
WAIVED: Full Waiver

SHA TRACKING NO. 21APMO008XX SCSWM-14 OF SCSWM-18 ESC-02

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

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

EROSION & SEDIMENT
CONTROL NOTES

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: _____

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 23 of 93

6/23/2022 UA:2026213204700 CADD\701_Sheet\Phase 2\DES-NO02-WFMetro.dgn

6/23/2022
 UA:\2026213204\700 CADD\701 Sheet\Phase 2\DES-DO01_WFMe+rc.dgn

DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE

STANDARD SYMBOL:

CONSTRUCTION SPECIFICATIONS

- PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET + 20 FEET FOR SINGLE RESIDENCE LOT. USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.
- PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE. MAINTAIN POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY, A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.
- PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.
- PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.
- MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DRIPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, 2011, MARYLAND DEPARTMENT OF ENVIRONMENT AND WATER MANAGEMENT ADMINISTRATION

DETAIL B-2 WASH RACK OPTION

STANDARD SYMBOL:

CONSTRUCTION SPECIFICATIONS

- USE A WASH RACK DESIGNED AND CONSTRUCTED/MANUFACTURED FOR THE ANTICIPATED TRAFFIC LOADS. CONCRETE, STEEL, OR OTHER MATERIALS ARE ACCEPTABLE. PRE-FABRICATED UNITS SUCH AS CATTLE GUARDS ARE ACCEPTABLE. USE MINIMUM DIMENSION OF 6 FEET x 10 FEET. ORIENT DIRECTION OF RIBS AS SHOWN ON THE DETAIL.
- INSTALL PRIOR TO, ALONG SIDE OF, OR AS PART OF THE SCE.
- DIRECT WASH WATER TO AN APPROVED SEDIMENT TRAPPING DEVICE.
- KEEP AREA UNDER WASH RACK FREE OF ACCUMULATED SEDIMENT. IF DAMAGED, REPAIR OR REPLACE WASH RACK.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, 2011, MARYLAND DEPARTMENT OF ENVIRONMENT AND WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-1 STANDARD INLET PROTECTION

STANDARD SYMBOL:

TYPE A MAXIMUM DRAINAGE AREA = 1/4 ACRE
 TYPE B MAXIMUM DRAINAGE AREA = 1 ACRE

CONSTRUCTION SPECIFICATIONS

- USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
- EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18 INCHES BELOW THE NOTCH ELEVATION.
- FOR TYPE A, USE NOMINAL 2 INCH x 4 INCH CONSTRUCTION GRADE LUMBER POSTS, DRIVEN 1 FOOT INTO THE GROUND AT EACH CORNER OF THE INLET. PLACE NAIL STRIPS BETWEEN THE POSTS ON THE ENDS OF THE INLET. ASSEMBLE THE TOP PORTION OF THE 2x4 FRAME AS SHOWN. STRETCH 1/2 INCH GALVANIZED HARDWARE CLOTH TIGHTLY AROUND THE FRAME AND FASTEN SECURELY. FASTEN GEOTEXTILE SECURELY TO THE HARDWARE CLOTH WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND HARDWARE CLOTH A MINIMUM OF 18 INCHES BELOW THE WEIR CREST. THE ENDS OF THE GEOTEXTILE MUST MEET AT A POST, BE OVERLAPPED AND FOLDED, THEN FASTENED TO THE POST.
- FOR TYPE B, USE 2 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND 6 FOOT LENGTH, DRIVEN A MINIMUM OF 36 INCHES BELOW THE WEIR CREST AT EACH CORNER OF THE STRUCTURE. FASTEN 9 GAUGE OR HEAVIER CHAIN LINK FENCE, 42 INCHES IN HEIGHT, SECURELY TO THE FENCE POSTS WITH WIRE TIES. FASTEN GEOTEXTILE SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 18 INCHES BELOW THE WEIR CREST.
- BACKFILL AROUND THE INLET IN LOOSE 4 INCH LIFTS AND COMPACT UNTIL SOIL IS LEVEL WITH THE NOTCH ELEVATION ON THE ENDS AND TOP ELEVATION ON THE SIDES.
- STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, 2011, MARYLAND DEPARTMENT OF ENVIRONMENT AND WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-1 STANDARD INLET PROTECTION

STANDARD SYMBOL:

MAXIMUM DRAINAGE AREA = 1 ACRE

CONSTRUCTION SPECIFICATIONS

- USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
- LIFT GRATE AND WRAP WITH NONWOVEN GEOTEXTILE TO COMPLETELY COVER ALL OPENINGS. SECURE WITH WIRE TIES AND SET GRATE BACK IN PLACE.
- PLACE CLEAN 1/2 TO 1 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE 6 INCHES THICK ON THE GRATE.
- STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, 2011, MARYLAND DEPARTMENT OF ENVIRONMENT AND WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-2 AT-GRADE INLET PROTECTION

STANDARD SYMBOL:

MAXIMUM DRAINAGE AREA = 1/4 ACRE

CONSTRUCTION SPECIFICATIONS

- USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
- PLACE CLEAN 1/2 TO 1 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE 6 INCHES THICK ON THE GRATE.
- STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, 2011, MARYLAND DEPARTMENT OF ENVIRONMENT AND WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-3 CURB INLET PROTECTION

STANDARD SYMBOL:

MAXIMUM DRAINAGE AREA = 1/4 ACRE

CONSTRUCTION SPECIFICATIONS

- USE NOMINAL 2 INCH x 4 INCH LUMBER.
- USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
- NAIL THE 2x4 WEIR TO 9 INCH LONG VERTICAL SPACERS (MAXIMUM 6 FEET APART).
- ATTACH A CONTINUOUS PIECE OF 1/2 INCH GALVANIZED HARDWARE CLOTH, WITH A MINIMUM WIDTH OF 30 INCHES AND A MINIMUM LENGTH OF 4 FEET LONGER THAN THE THROAT OPENING, TO THE 2x4 WEIR, EXTENDING IT 2 FEET BEYOND THROAT ON EACH SIDE.
- PLACE A CONTINUOUS PIECE OF NONWOVEN GEOTEXTILE OF THE SAME DIMENSIONS AS THE HARDWARE CLOTH OVER THE HARDWARE CLOTH AND SECURELY ATTACH TO THE 2x4 WEIR.
- INSTALL END SPACERS A MINIMUM OF 1 FOOT BEYOND THE ENDS OF THE THROAT OPENING.
- FORM THE HARDWARE CLOTH AND THE GEOTEXTILE TO THE CONCRETE GUTTER AND FACE OF CURB TO SPAN THE INLET OPENING. COVER THE HARDWARE CLOTH AND GEOTEXTILE WITH CLEAN 1/2 TO 1 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE.
- AT NON-SUMP LOCATIONS, INSTALL A TEMPORARY SANDBAG OR ASPHALT BERM TO PREVENT INLET BYPASS.
- STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, 2011, MARYLAND DEPARTMENT OF ENVIRONMENT AND WATER MANAGEMENT ADMINISTRATION

DETAIL E-3 SUPER SILT FENCE

STANDARD SYMBOL:

CONSTRUCTION SPECIFICATIONS

- INSTALL 2 1/2 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
- FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (2 1/2 INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HUG RINGS.
- FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND.
- WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STARTLED TO PREVENT SEDIMENT BY PASS.
- EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
- PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.
- REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
 U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, 2011, MARYLAND DEPARTMENT OF ENVIRONMENT AND WATER MANAGEMENT ADMINISTRATION

SUMMARY OF EARTHWORK

CLASS I EXCAVATION		EROSION AND SEDIMENT CONTROL EXCAVATION	0
EXCAVATION	1,104	E&S EXCAVATION (ORIGINAL AND CLEANOUT)	0
TOP SOIL REMOVED UNDER FILL	0	MINUS: E&S EXCAVATION NOT AVAILABLE FOR EMBANKMENT (CLEAN OUT)	0
ROOTMAT REMOVED UNDER FILL	9	E&S EXCAVATION ADJUSTED	0
TOTAL CLASS I EXCAVATION	1,113	E&S EXCAVATION DENSIFIED (0.83)	0
		EROSION AND SEDIMENT CONTROL AVAILABLE FOR EMBANKMENT	0
CLASS IA EXCAVATION (UNSUITABLE MATERIAL)		EMBANKMENT REQUIRED	981
3 FT UNDERCUT IN FULL DEPTH PAVING AREAS	1,178	EMBANKMENT FOR SIDE SLOPES	188
TOTAL CLASS IA EXCAVATION	1,178	BACKFILL FOR REMOVAL OF MISC. EXISTING ROADWAY ITEMS (IE. PAVEMENT, SIDEWALK)	0
		BACKFILL FOR TOPSOIL REMOVED UNDER FILL	9
EXCAVATION AVAILABLE FOR EMBANKMENT		BACKFILL FOR ROOTMAT REMOVED UNDER FILL	1,178
TOTAL CLASS I EXCAVATION	1,113	TOTAL EMBANKMENT REQUIRED	2,356
MINUS: UNUSABLE EX PAVEMENT MATERIAL	1,060	BALANCE	
TOPSOIL REMOVED IN CUT	0	TOTAL EMBANKMENT REQUIRED	2,356
TOPSOIL REMOVED IN FILL	9	MINUS: CLASS I EXCAVATION AVAILABLE FOR EMBANKMENT	37
ROOTMAT REMOVED IN CUT	0		
ROOTMAT REMOVED IN FILL	0	EROSION AND SEDIMENT CONTROL EXCAVATION AVAILABLE FOR EMBANKMENT	0
SOIL EXCAVATION ADJUSTED	44	BALANCE	2,319
SOIL EXCAVATION DENSIFIED (0.85)	37		
CLASS I EXCAVATION AVAILABLE FOR EMBANKMENT	37		

NOTES:
 1.) ALL EXCAVATION ON THIS PROJECT SHALL BE CONSIDERED CLASS I AND CLASS IA. NO SEPARATE MEASUREMENT OF CLASS 2 EXCAVATION WILL BE MADE.

SHA TRACKING NO. 21APMO08XX

SC/SWM-15 OF SC/SWM-18 ESC-03

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

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

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: _____

EROSION & SEDIMENT CONTROL DETAILS & EARTHWORK SUMMARY

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 24 of 93

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: 06-30-2022



NO.	REVISION	DATE	BY

LIMIT OF WORK
WHITE FLINT ACCESS IMPROV.
ROCKVILLE PIKE (MD 355)
STA. 379 + 62.06

LIMIT OF WORK
WHITE FLINT ACCESS IMPROV.
OLD GEORGETOWN RD (MD 187)
STA. 128 + 43.16

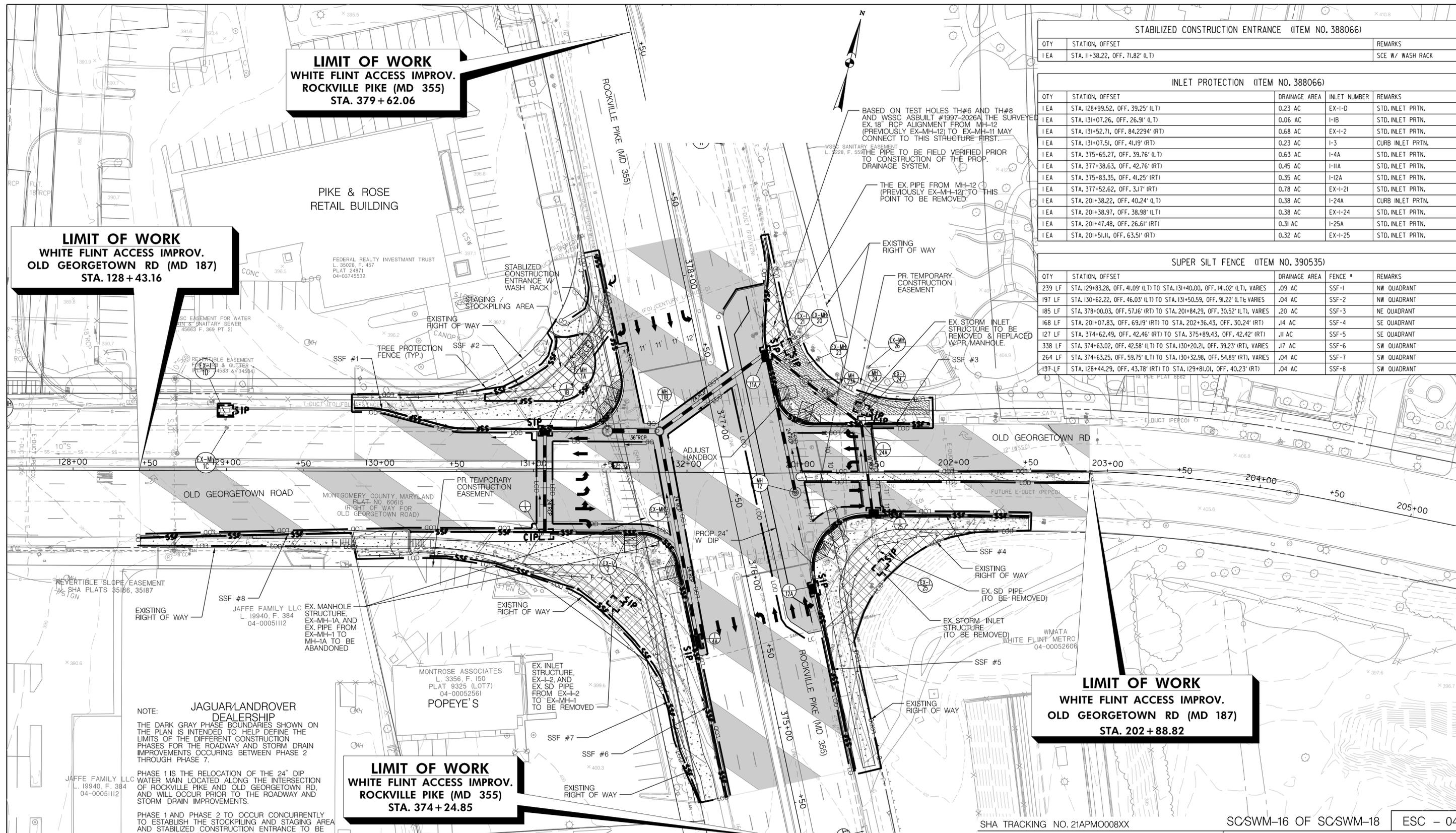
LIMIT OF WORK
WHITE FLINT ACCESS IMPROV.
OLD GEORGETOWN RD (MD 187)
STA. 202 + 88.82

LIMIT OF WORK
WHITE FLINT ACCESS IMPROV.
ROCKVILLE PIKE (MD 355)
STA. 374 + 24.85

STABILIZED CONSTRUCTION ENTRANCE (ITEM NO. 388066)		
QTY	STATION, OFFSET	REMARKS
1 EA	STA. 11+38.22, OFF. 71.82' (LT)	SCE W/ WASH RACK

INLET PROTECTION (ITEM NO. 388066)				
QTY	STATION, OFFSET	DRAINAGE AREA	INLET NUMBER	REMARKS
1 EA	STA. 128+99.52, OFF. 39.25' (LT)	0.23 AC	EX-1-D	STD. INLET PRTN.
1 EA	STA. 131+07.26, OFF. 26.91' (LT)	0.06 AC	I-B	STD. INLET PRTN.
1 EA	STA. 131+52.71, OFF. 84.2294' (RT)	0.68 AC	EX-1-2	STD. INLET PRTN.
1 EA	STA. 131+07.51, OFF. 41.19' (RT)	0.23 AC	I-3	CURB INLET PRTN.
1 EA	STA. 375+65.27, OFF. 39.76' (LT)	0.63 AC	I-4A	STD. INLET PRTN.
1 EA	STA. 377+38.63, OFF. 42.76' (RT)	0.45 AC	I-1A	STD. INLET PRTN.
1 EA	STA. 375+83.35, OFF. 41.25' (RT)	0.35 AC	I-2A	STD. INLET PRTN.
1 EA	STA. 377+52.62, OFF. 3.17' (RT)	0.78 AC	EX-1-21	STD. INLET PRTN.
1 EA	STA. 201+38.22, OFF. 40.24' (LT)	0.38 AC	I-24A	CURB INLET PRTN.
1 EA	STA. 201+38.97, OFF. 38.98' (LT)	0.38 AC	EX-1-24	STD. INLET PRTN.
1 EA	STA. 201+47.48, OFF. 26.61' (RT)	0.31 AC	I-25A	STD. INLET PRTN.
1 EA	STA. 201+51.11, OFF. 63.51' (RT)	0.32 AC	EX-1-25	STD. INLET PRTN.

SUPER SILT FENCE (ITEM NO. 390535)				
QTY	STATION, OFFSET	DRAINAGE AREA	FENCE #	REMARKS
239 LF	STA. 129+83.28, OFF. 41.09' (LT) TO STA. 131+40.00, OFF. 141.02' (LT), VARIES	.09 AC	SSF-1	NW QUADRANT
197 LF	STA. 130+62.22, OFF. 46.03' (LT) TO STA. 131+50.59, OFF. 91.22' (LT), VARIES	.04 AC	SSF-2	NW QUADRANT
185 LF	STA. 378+00.03, OFF. 57.16' (RT) TO STA. 201+84.29, OFF. 30.52' (LT), VARIES	.20 AC	SSF-3	NE QUADRANT
168 LF	STA. 201+07.83, OFF. 69.19' (RT) TO STA. 202+36.43, OFF. 30.24' (RT)	.14 AC	SSF-4	SE QUADRANT
127 LF	STA. 374+62.49, OFF. 42.46' (RT) TO STA. 375+89.43, OFF. 42.42' (RT)	.11 AC	SSF-5	SE QUADRANT
338 LF	STA. 374+63.02, OFF. 42.58' (LT) TO STA. 130+20.21, OFF. 39.23' (RT), VARIES	.17 AC	SSF-6	SW QUADRANT
264 LF	STA. 374+63.25, OFF. 59.75' (LT) TO STA. 130+32.98, OFF. 54.89' (RT), VARIES	.04 AC	SSF-7	SW QUADRANT
137 LF	STA. 128+44.29, OFF. 43.78' (RT) TO STA. 129+81.01, OFF. 40.23' (RT)	.04 AC	SSF-8	SW QUADRANT



NOTE: JAGUAR/LANDROVER DEALERSHIP
 THE DARK GRAY PHASE BOUNDARIES SHOWN ON THE PLAN IS INTENDED TO HELP DEFINE THE LIMITS OF THE DIFFERENT CONSTRUCTION PHASES FOR THE ROADWAY AND STORM DRAIN IMPROVEMENTS OCCURRING BETWEEN PHASE 2 THROUGH PHASE 7.

PHASE 1 IS THE RELOCATION OF THE 24" DIP WATER MAIN LOCATED ALONG THE INTERSECTION OF ROCKVILLE PIKE AND OLD GEORGETOWN RD. AND WILL OCCUR PRIOR TO THE ROADWAY AND STORM DRAIN IMPROVEMENTS.

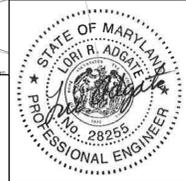
PHASE 1 AND PHASE 2 TO OCCUR CONCURRENTLY TO ESTABLISH THE STOCKPILING AND STAGING AREA AND STABILIZED CONSTRUCTION ENTRANCE TO BE USED THROUGHOUT ALL PHASES OF CONSTRUCTION

LEGEND

	FULL-DEPTH ASPHALT PAVEMENT
	MILL & OVERLAY
	REMOVAL OF EX. CURB, SIDEWALK, PAVEMENT
	CONCRETE SIDEWALK
	BRICK SIDEWALK
	EX. RIGHT OF WAY



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: 06-30-2022



NO.	REVISION	DATE	BY

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: _____

SCSWM-16 OF SCSWM-18 ESC - 04

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

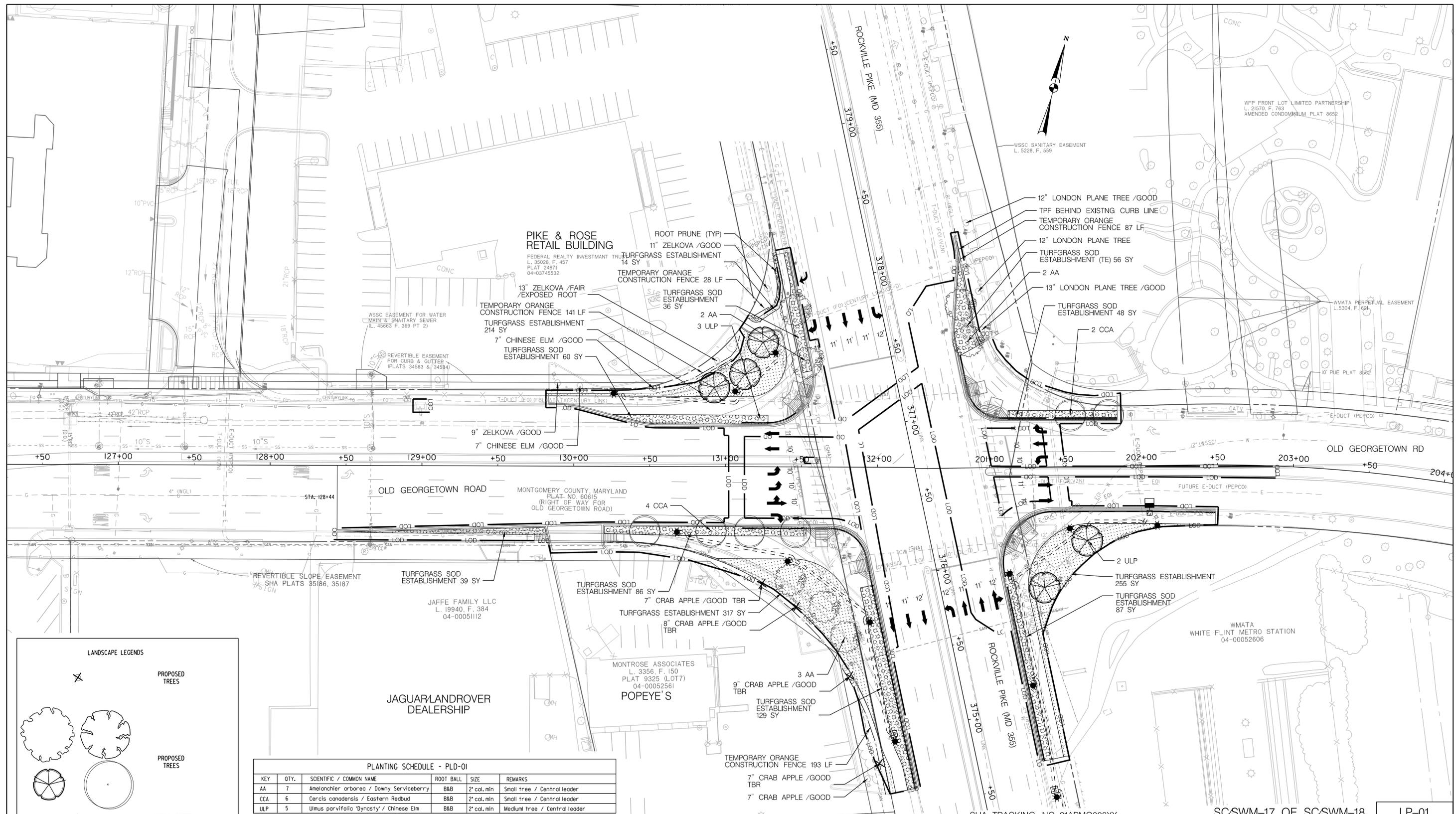
EROSION & SEDIMENT
 CONTROL PLAN

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 25 of 93

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6/23/2022
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LANDSCAPE LEGENDS

PROPOSED TREES

PROPOSED TREES

EXISTING TREES

TREE PROTECTION FENCE (TEMPORARY ORANGE CONSTRUCTION FENCE)

SIDE WALK

TURFGRASS ESTABLISHMENT

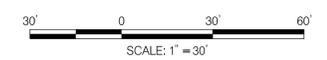
TURFGRASS SOD ESTABLISHMENT

EXISTING RIGHT OF WAY

PLANTING SCHEDULE - PLD-01

KEY	QTY.	SCIENTIFIC / COMMON NAME	ROOT BALL	SIZE	REMARKS
AA	7	Amelanchier arborea / Downy Serviceberry	B&B	2' cal. min	Small tree / Central leader
CCA	6	Cercis canadensis / Eastern Redbud	B&B	2' cal. min	Small tree / Central leader
ULP	5	Ulmus parvifolia 'Dynasty' / Chinese Elm	B&B	2' cal. min	Medium tree / Central leader

NOTE:
 1. TEMPORARY ORANGE CONSTRUCTION FENCE FOR TREE PROTECTION SHOULD BE PLACED ON THE LOD LINE DURING THE INSTALLATION. SHOWN OFF-SET FOR DRAWING READABILITY ONLY.



PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO.: 3190 EXPIRATION DATE: 05-07-2023



SHA TRACKING NO. 21APMO08XX

SCSWM-17 OF SCSWM-18 LP-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

LANDSCAPING PLAN & TREE PROTECTION PLAN

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 26 of 93

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=29](http://www.roads.maryland.gov/index.aspx?pageid=29)

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 AT [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/DESMANUALSTDPUB/PUBLICATIONSONLINE/OHD/BOOKSTD/TOCCAT7.ASP](http://apps.roads.maryland.gov/businesswithsha/bizstdspecs/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.

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.

7.6 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.

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.

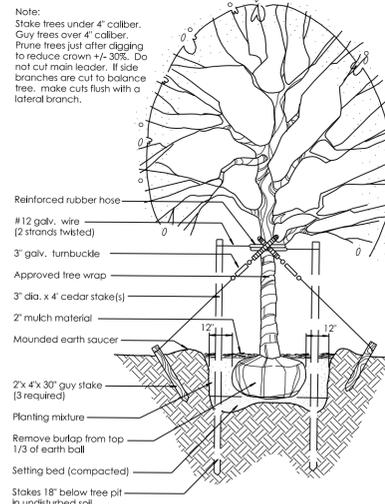
2. A MARYLAND LICENSED TREE EXPERT SHALL PERFORM THE SPECIFIED TREE OPERATIONS IN CONFORMANCE WITH THE SHA STANDARD SPECIFICATIONS AND ANSI A300 STANDARDS FOR TREE CARE OPERATIONS.

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.

7.22 TREE ROOT PRUNING SHALL BE PERFORMED ALONG THE LINE SHOWN ON THE PLANS IN CONFORMANCE WITH SECTION 715. TREE ROOT PRUNING SHALL BE COMPLETED BEFORE BEGINNING EXCAVATION OR CONSTRUCTION ADJACENT TO TREES TO BE PRESERVED.

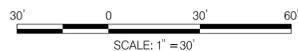
PLANTING SCHEDULE - PLD-01					
KEY	QTY.	SCIENTIFIC / COMMON NAME	ROOT BALL	SIZE	REMARKS
AK	7	<i>Ambrosia artemisiifolia</i> / Downy Sorrelberry	BBB	2 cal. min.	Small tree / Central leader
CCA	6	<i>Cercis canadensis</i> / Eastern Redbud	BBB	2 cal. min.	Small tree / Central leader
ULP	5	<i>Ulmus parvifolia</i> / Chinese Elm	BBB	2 cal. min.	Medium tree / Central leader

MASTER LANDSCAPE 700 ITEMS					
QTY	UNIT	CAT. CODE	ITEM	SHA SPEC	
449	LF	120784	TEMPORARY ORANGE CONSTRUCTION FENCE	120	
1341	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH	701	
800	SY	705405	TEMPORARY SEED	704	
800	SY	705402	TEMPORARY MULCH	704	
800	SY	705500	TURFGRASS ESTABLISHMENT	705	
541	SY	705565	REFERTILIZING	705	
541	SY	708220	TURFGRASS SOD ESTABLISHMENT	708	
800	SY	709100	TYPE A SOIL STABILIZATION MATTING	709	
60	LF	715050	TREE ROOT PRUNING	715	



PLANTING DETAIL/DECIDUOUS TREES
NOT TO SCALE

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LICENSE NO: 3190 EXPIRATION DATE: 05-07-2023



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO008XX

SCSWM-18 OF SCSWM-18 LP-02

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

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

LANDSCAPE NOTES & DETAILS

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 : _____

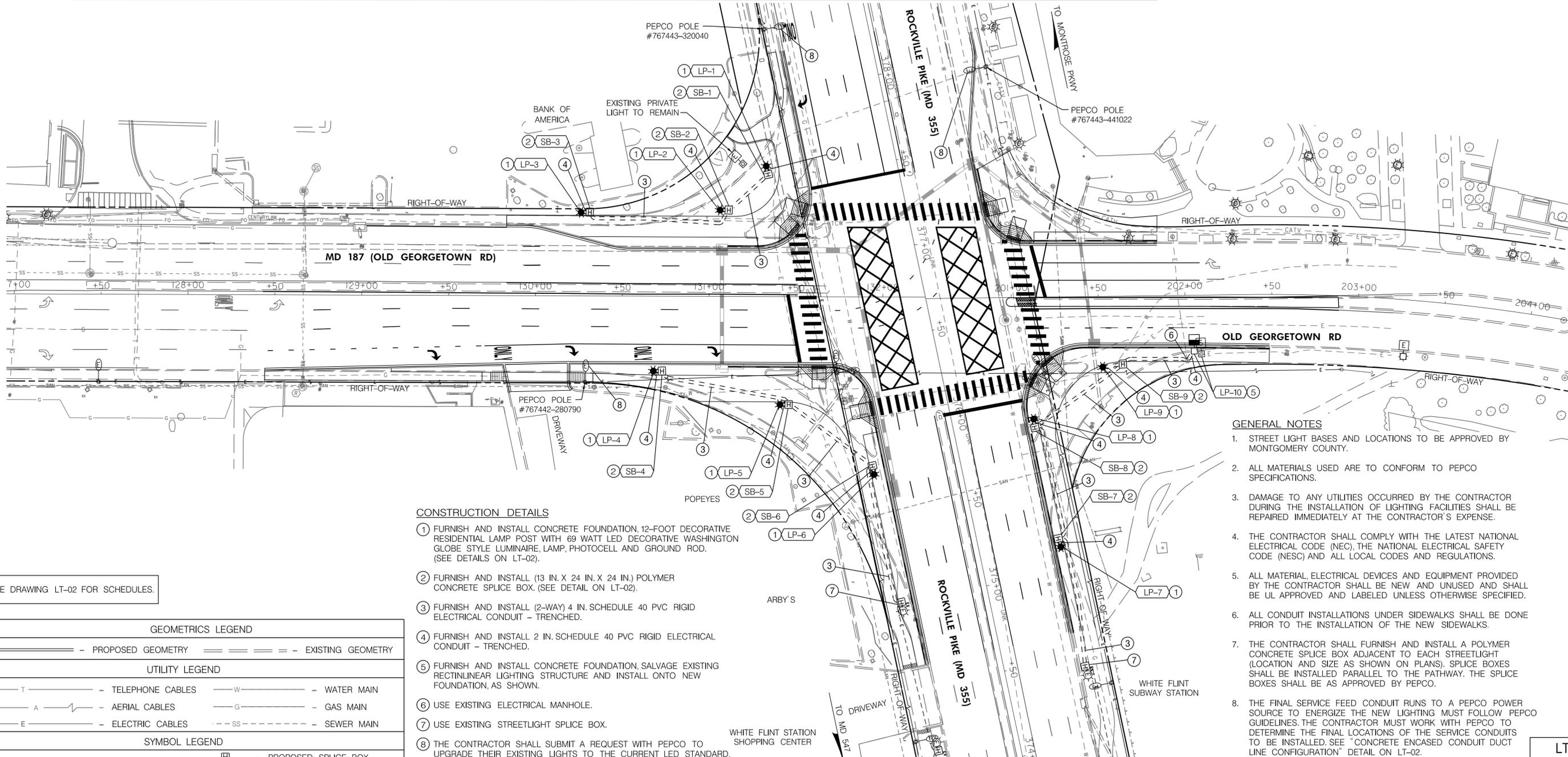
SCALE : 1" = 30' DATE : JUNE 2022
Project No. : 502106 SHEET 27 of 93

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			MD 355 (ROCKVILLE PIKE)	69	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	N/A	UG	SB ROCKVILLE PIKE, 1ST LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 377+62, 74' LT.	503693	1279762
LP-2			MD 187 (OLD GEORGETOWN ROAD)	69	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	N/A	UG	WB OLD GEORGETOWN ROAD, 1ST LIGHT WEST OF ROCKVILLE PIKE	STA. 131+06, 49.5' LT.	503662	1279742
LP-3			MD 187 (OLD GEORGETOWN ROAD)	69	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	N/A	UG	WB OLD GEORGETOWN ROAD, 2ND LIGHT WEST OF ROCKVILLE PIKE	STA. 130+26, 48' LT.	503641	1279666
LP-4			MD 187 (OLD GEORGETOWN ROAD)	69	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	N/A	UG	EB OLD GEORGETOWN ROAD, 2ND LIGHT WEST OF ROCKVILLE PIKE	STA. 130+68, 43' RT.	503563	1279728
LP-5			MD 187 (OLD GEORGETOWN ROAD)	69	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	N/A	UG	EB OLD GEORGETOWN ROAD, 1ST LIGHT WEST OF ROCKVILLE PIKE	STA. 131+41, 62' RT.	503562	1279804
LP-6			MD 355 (ROCKVILLE PIKE)	69	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	N/A	UG	SB ROCKVILLE PIKE, 1ST LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 375+76, 50' LT.	503536	1279866
LP-7			MD 355 (ROCKVILLE PIKE)	69	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	N/A	UG	NB ROCKVILLE PIKE, 2ND LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 375+13, 46.5' RT.	503523	1279981
LP-8			MD 355 (ROCKVILLE PIKE)	69	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	N/A	UG	NB ROCKVILLE PIKE, 1ST LIGHT SOUTH OF OLD GEORGETOWN ROAD	STA. 375+88, 46.5' RT.	503590	1279947
LP-9			MD 187 (OLD GEORGETOWN ROAD)	69	LED	WASHINGTON GLOBE	12' DECORATIVE ALUMINUM	N/A	UG	EB OLD GEORGETOWN ROAD, 1ST LIGHT EAST OF ROCKVILLE PIKE	STA. 201+52, 40.5' RT.	503629	1279979
LP-10			MD 187 (OLD GEORGETOWN ROAD)	N/A	N/A	EXISTING RECTILINEAR	EXISTING	10'	UG	EB OLD GEORGETOWN ROAD, 2ND LIGHT EAST OF ROCKVILLE PIKE	STA. 202+05, 32' RT.	503651	1280027

PROPOSED SPLICE BOX SCHEDULE

SB NO.	STATION AND OFFSET
SB-1	STA. 377+57, 74' LT.
SB-2	STA. 131+11, 49.5' LT.
SB-3	STA. 130+31, 48' LT.
SB-4	STA. 130+73, 43' RT.
SB-5	STA. 131+46, 62' RT.
SB-6	STA. 375+81, 50' LT.
SB-7	STA. 375+18, 46.5' RT.
SB-8	STA. 375+83, 46.5' RT.
SB-9	STA. 201+64, 39' RT.



- 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.
 - THE FINAL SERVICE FEED CONDUIT RUNS TO A PEPCO POWER SOURCE TO ENERGIZE THE NEW LIGHTING MUST FOLLOW PEPCO GUIDELINES. THE CONTRACTOR MUST WORK WITH PEPCO TO DETERMINE THE FINAL LOCATIONS OF THE SERVICE CONDUITS TO BE INSTALLED. SEE "CONCRETE ENCASED CONDUIT DUCT LINE CONFIGURATION" DETAIL ON LT-02.

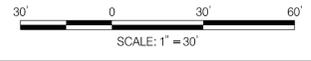
- CONSTRUCTION DETAILS**
- FURNISH AND INSTALL CONCRETE FOUNDATION, 12-FOOT DECORATIVE RESIDENTIAL LAMP POST WITH 69 WATT LED DECORATIVE WASHINGTON GLOBE STYLE LUMINAIRE, LAMP, PHOTOCELL AND GROUND ROD. (SEE DETAILS ON LT-02).
 - FURNISH AND INSTALL (13 IN. X 24 IN. X 24 IN.) POLYMER CONCRETE SPLICE BOX. (SEE DETAIL ON LT-02).
 - FURNISH AND INSTALL (2-WAY) 4 IN. SCHEDULE 40 PVC RIGID ELECTRICAL CONDUIT - TRENCHED.
 - FURNISH AND INSTALL 2 IN. SCHEDULE 40 PVC RIGID ELECTRICAL CONDUIT - TRENCHED.
 - FURNISH AND INSTALL CONCRETE FOUNDATION, SALVAGE EXISTING RECTILINEAR LIGHTING STRUCTURE AND INSTALL ONTO NEW FOUNDATION, AS SHOWN.
 - USE EXISTING ELECTRICAL MANHOLE.
 - USE EXISTING STREETLIGHT SPLICE BOX.
 - THE CONTRACTOR SHALL SUBMIT A REQUEST WITH PEPCO TO UPGRADE THEIR EXISTING LIGHTS TO THE CURRENT LED STANDARD.

SEE DRAWING LT-02 FOR SCHEDULES.

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
☐	EXISTING RECTILINEAR STREET LIGHT TO BE SALVAGED AND RELOCATED
☐	EXISTING RECTILINEAR STREET LIGHT TO BE REMAIN
☐	RELOCATED RECTILINEAR STREET LIGHT
☐	PROPOSED SPLICE BOX
☐	EXISTING SPLICE BOX TO REMAIN
☐	EXISTING ROADWAY STREET LIGHT TO REMAIN
☐	EXISTING UTILITY COMPANY LEASED LIGHT TO REMAIN
☐	EXISTING DECORATIVE STREET LIGHT TO REMAIN
SB-1	SPLICE BOX ID NO.
LP-1	STREET 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: 01-23-2024



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

NO.	REVISION	DATE	BY

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

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

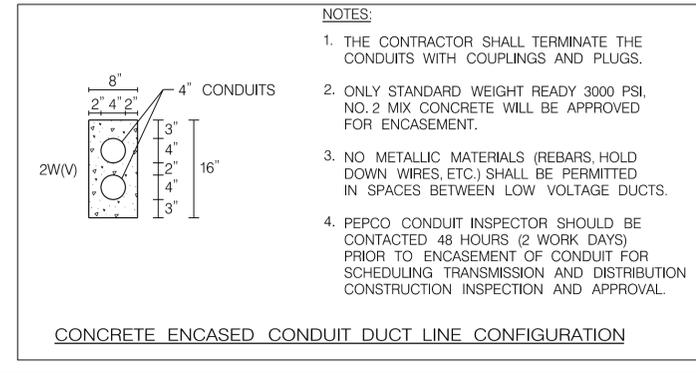
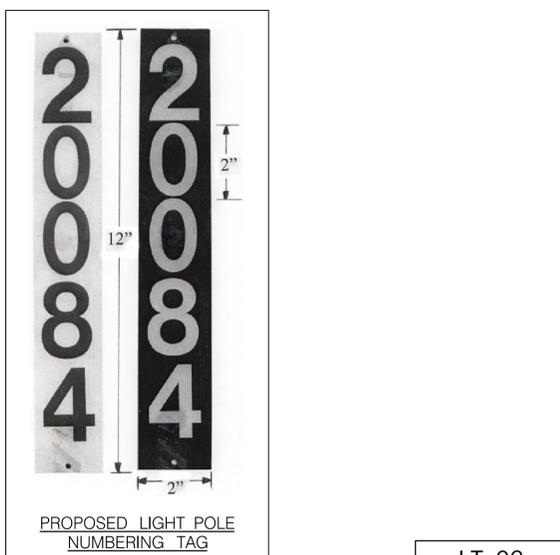
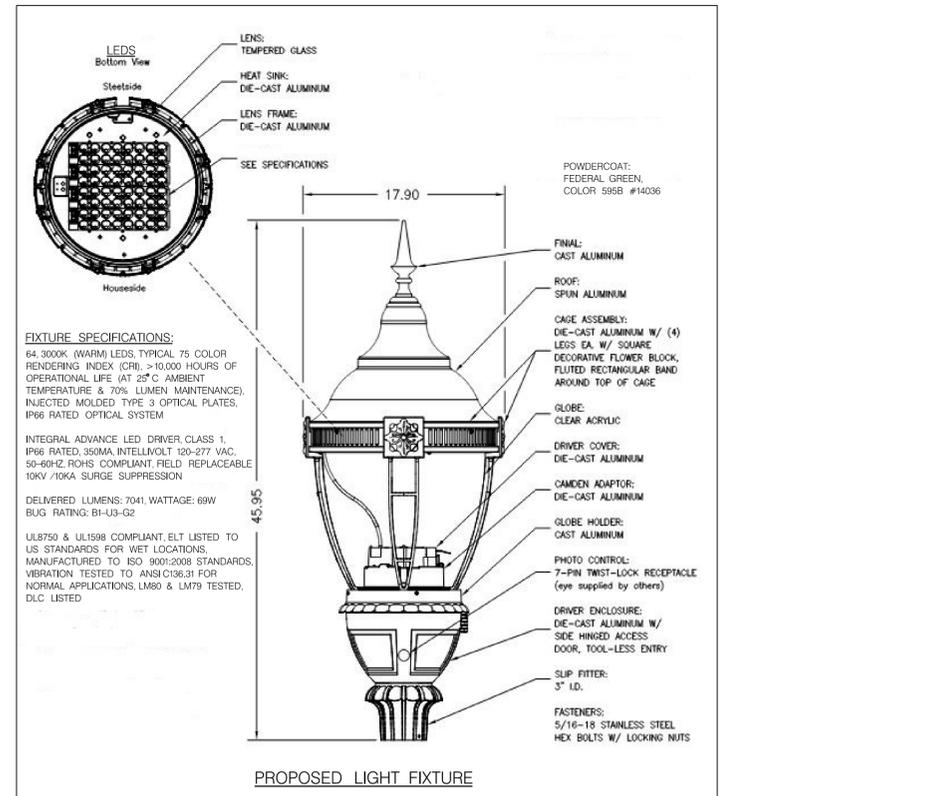
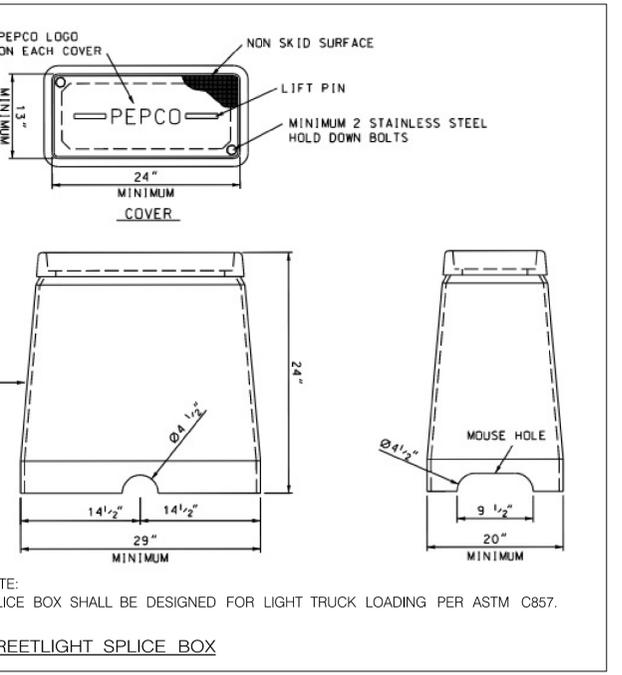
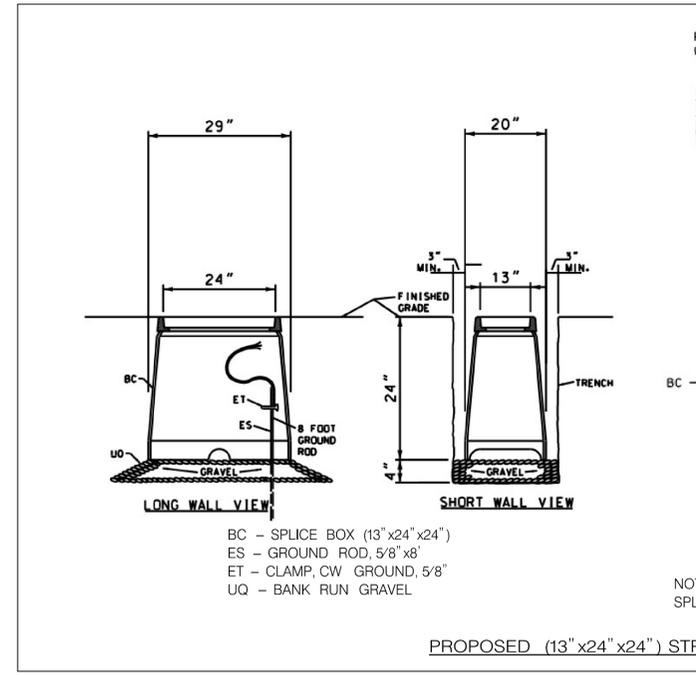
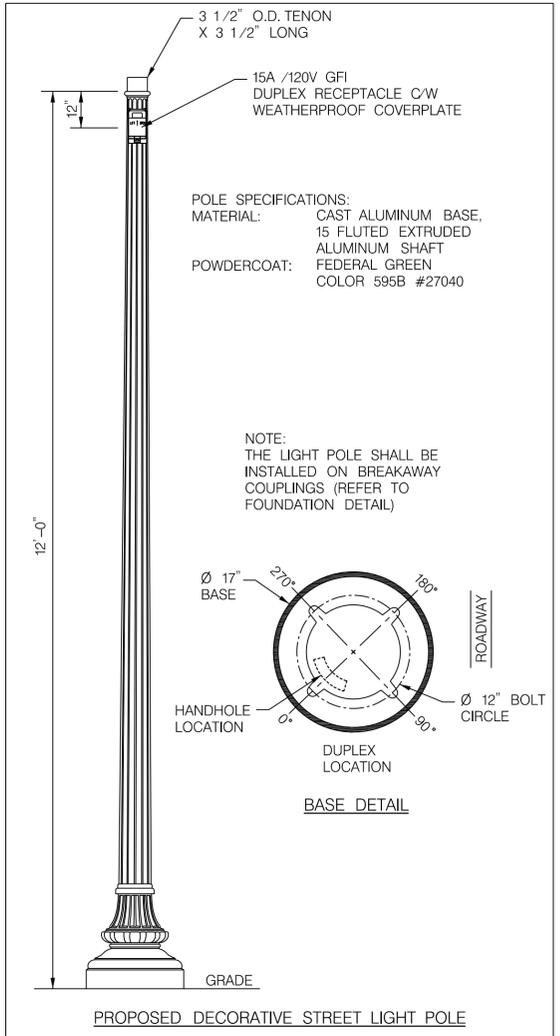
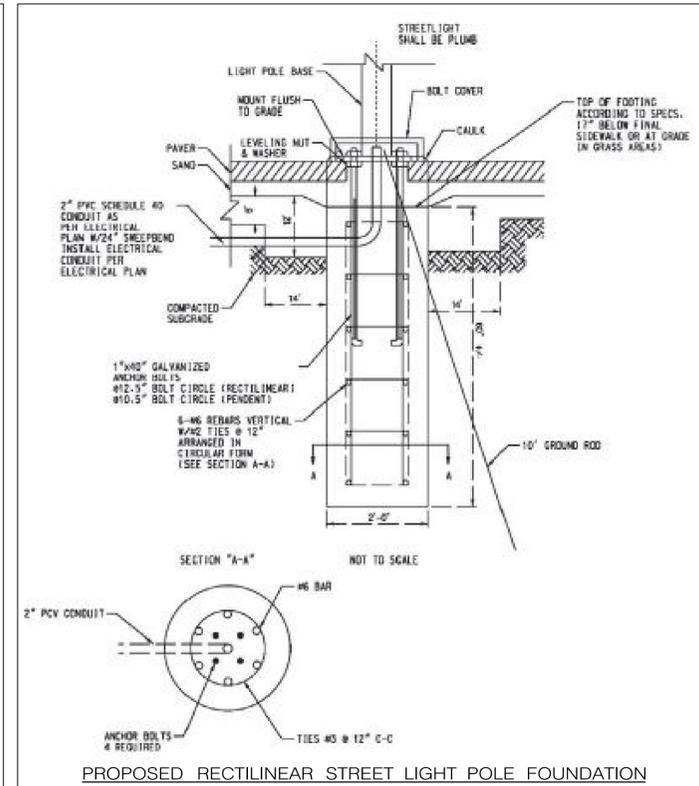
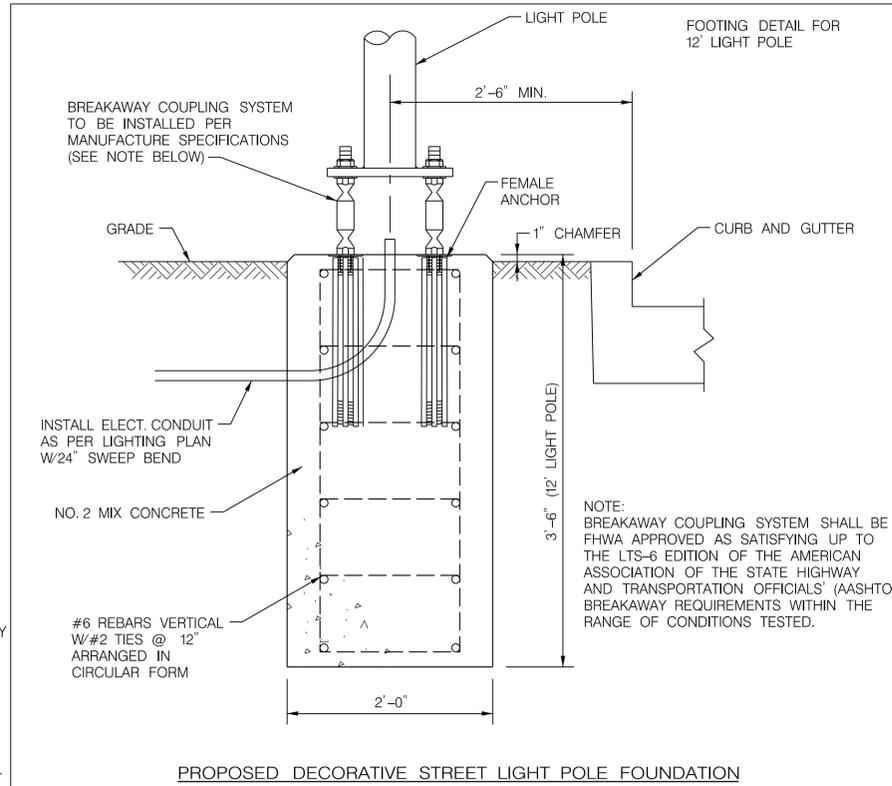
LIGHTING PLAN

SCALE : 1" = 30' DATE : JUNE 2022
 Project No. : 502106 SHEET 28 of 93

6/22/2022 X:\4664226\202088\01\TECH\CAD\Drawings\Lighting\Phase 2\pLT-P001-WFMetro - Phase 2.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 3000 PSI, NO.2 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, 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: 01-23-2024

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: WJF Drawn by: WJF Checked by: JW

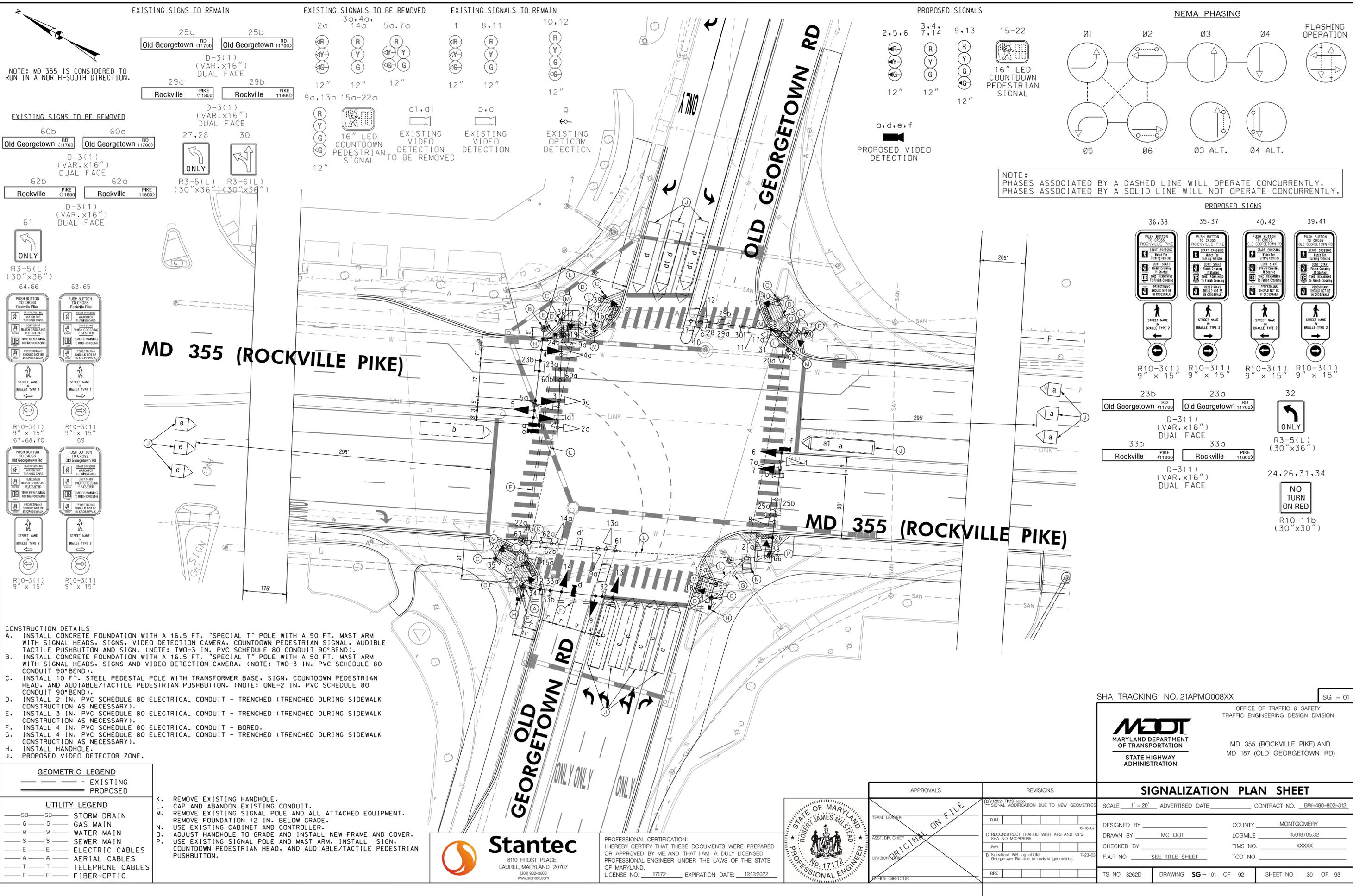
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

LIGHTING NOTES
AND DETAILS

SCALE : NONE DATE : JUNE 2022

Project No. : 502106 SHEET 29 of 93

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NOTE: MD 355 IS CONSIDERED TO RUN IN A NORTH-SOUTH DIRECTION.

EXISTING SIGNS TO REMAIN

25a Old Georgetown RD (11700) D-3(1) (VAR. x16") DUAL FACE

25b Old Georgetown RD (11700) D-3(1) (VAR. x16") DUAL FACE

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61 ONLY

R3-5(L) (30"x36")

R3-6(L) (30"x36")

64.66

63.65

R10-3(1) 9" x 15" 67, 68, 70

R10-3(1) 9" x 15" 69

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EXISTING SIGNALS TO BE REMOVED

2a 12" 16" LED COUNTDOWN PEDESTRIAN SIGNAL

3a, 4a, 14a 12" EXISTING VIDEO DETECTION TO BE REMOVED

5a, 7a 12" EXISTING VIDEO DETECTION

1 12" EXISTING OPTICOM DETECTION

8, 11 12" EXISTING OPTICOM DETECTION

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9, 13 12" 16" LED COUNTDOWN PEDESTRIAN SIGNAL

15-22 16" LED COUNTDOWN PEDESTRIAN SIGNAL

NEMA PHASING

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø3 ALT. Ø4 ALT.

FLASHING OPERATION

Ø1 Ø2 Ø3 Ø4 Ø5 Ø6 Ø3 ALT. Ø4 ALT.

NOTE: PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

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PROPOSED SIGNS

36, 38 PUSH BUTTON TO CROSS ROCKVILLE PIKE

35, 37 PUSH BUTTON TO CROSS ROCKVILLE PIKE

40, 42 PUSH BUTTON TO CROSS OLD GEORGETOWN RD

39, 41 PUSH BUTTON TO CROSS OLD GEORGETOWN RD

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32 ONLY

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R10-11b (30"x30")

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CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 16.5 FT. "SPECIAL T" POLE WITH A 50 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: TWO-3 IN. PVC SCHEDULE 80 CONDUIT 90° BEND).

B. INSTALL CONCRETE FOUNDATION WITH A 16.5 FT. "SPECIAL T" POLE WITH A 50 FT. MAST ARM WITH SIGNAL HEADS, SIGNS AND VIDEO DETECTION CAMERA. (NOTE: TWO-3 IN. PVC SCHEDULE 80 CONDUIT 90° BEND).

C. INSTALL 10 FT. STEEL PEDESTAL POLE WITH TRANSFORMER BASE, SIGN, COUNTDOWN PEDESTRIAN HEAD, AND AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON. (NOTE: ONE-2 IN. PVC SCHEDULE 80 CONDUIT 90° BEND).

D. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED (TRENCHED DURING SIDEWALK CONSTRUCTION AS NECESSARY).

E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED (TRENCHED DURING SIDEWALK CONSTRUCTION AS NECESSARY).

F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - BORED.

G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED (TRENCHED DURING SIDEWALK CONSTRUCTION AS NECESSARY).

H. INSTALL HANDHOLE.

J. PROPOSED VIDEO DETECTOR ZONE.

CONSTRUCTION DETAILS

A. INSTALL CONCRETE FOUNDATION WITH A 16.5 FT. "SPECIAL T" POLE WITH A 50 FT. MAST ARM WITH SIGNAL HEADS, SIGNS, VIDEO DETECTION CAMERA, COUNTDOWN PEDESTRIAN SIGNAL, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: TWO-3 IN. PVC SCHEDULE 80 CONDUIT 90° BEND).

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GEOMETRIC LEGEND

--- EXISTING

--- PROPOSED

UTILITY LEGEND

SD - STORM DRAIN

G - GAS MAIN

W - WATER MAIN

S - SEWER MAIN

E - ELECTRIC CABLES

A - AERIAL CABLES

T - TELEPHONE CABLES

F - FIBER-OPTIC

GEOMETRIC LEGEND

--- EXISTING

--- PROPOSED

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APPROVALS

TEAM LEADER

ASST. DIV. CHIEF

DIVISION CHIEF

OFFICE DIRECTOR

REVISIONS

① SIGNAL MODIFICATION DUE TO NEW GEOMETRICS 6-18-07

② RECONSTRUCT TRAFFIC WITH AFS AND CFS SHA NO. M02829185

③ Signalized WB leg of Old Georgetown Rd due to revised geometrics 7-23-08

SIGNALIZATION PLAN SHEET

SCALE 1"=20' ADVERTISED DATE CONTRACT NO. BW-480-802-312

DESIGNED BY COUNTY MONTGOMERY

DRAWN BY MC DOT LOGMILE 15018705.32

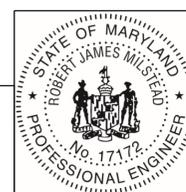
CHECKED BY TIMS NO. XXXXX

F.A.P. NO. SEE TITLE SHEET TOD NO.

TS NO. 3262D DRAWING SG-01 OF 02 SHEET NO. 30 OF 93



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



APPROVALS

REVISIONS

① SIGNAL MODIFICATION DUE TO NEW GEOMETRICS 6-18-07

② RECONSTRUCT TRAFFIC WITH AFS AND CFS SHA NO. M02829185

③ Signalized WB leg of Old Georgetown Rd due to revised geometrics 7-23-08

SHA TRACKING NO. 21APM008XX SG - 01

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)

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 355 (ROCKVILLE PIKE) AND MD 187 (OLD GEORGETOWN RD) IN MONTGOMERY COUNTY.

THE MODIFICATIONS INCLUDE TWO NEW MAST ARM POLES AND NEW PEDESTRIAN POLES WITH PEDESTRIAN SIGNALS AND AUDIBLE PUSHBUTTONS.

MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION IS TO OPERATE IN A NEMA 6-PHASE, SEMI-ACTUATED MODE, WITH THE MD 355 (ROCKVILLE PIKE) APPROACHES RUNNING CONCURRENTLY. AN EXCLUSIVE LEFT TURN PHASE SHALL BE PROVIDED FOR NORTHBOUND AND SOUTHBOUND APPROACHES OF MD 355 (ROCKVILLE PIKE). A COUNTDOWN PEDESTRIAN PHASE WITH AUDIBLE PUSHBUTTON ACTUATION SHALL BE PROVIDED ACROSS THE NORTH AND SOUTH LEGS OF MD 355 (ROCKVILLE PIKE). THE MD 187 (OLD GEORGETOWN ROAD) APPROACHES SHALL OPERATE AS A SIDE STREET SPLIT PHASE. A COUNTDOWN PEDESTRIAN PHASE WITH AUDIBLE PUSHBUTTON ACTUATION SHALL BE PROVIDED ACROSS THE EAST AND WEST LEGS OF MD 187 (OLD GEORGETOWN ROAD) WITH A LEADING PEDESTRIAN INTERVAL.

III. CONTROLLER REQUIREMENTS

MONTGOMERY COUNTY SIGNAL SHOP SHALL INSTALL THE APS CONTROL UNIT INTO THE CONTROLLER CABINET. THE CONTRACTOR SHALL DELIVER THE CONTROL UNIT AND AUDIBLE PUSHBUTTONS TO THE MONTGOMERY COUNTY SIGNAL SHOP FOR TESTING AND PROGRAMMING.

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION:

ITEM NO./CAT CODE	QUANTITY	DESCRIPTION
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B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR:

ITEM NO./CAT CODE	QUANTITY	DESCRIPTION
801605	50 SF	SHEET ALUMINUM SIGNS
801616	60 SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
802146	1 EA	ADJUST HANDHOLE TO GRADE AND REPLACE FRAME AND COVER
802501	458 LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
805118	220 LF	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-BORED
805125	82 LF	2 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
805135	28 LF	3 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
805140	27 LF	4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
811001	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
816003	4 EA	HD IP-BASED VIDEO DETECTION CAMERA AND ANY LENGTH LEAD-IN CABLE
818004	5 EA	10 FOOT BREAKAWAY PEDESTAL POLE
818462	2 EA	MAST ARM POLE AND 50 FOOT MAST ARM, ANY 'T' DIMENSION, FOUNDATION AND GROUND ROD
860272	46 EA	12 INCH VEHICULAR TRAFFIC SIGNAL HEAD SECTION
860285	8 EA	16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
861105	1165 LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)
861107	1593 LF	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)
861108	1241 LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)
865210	8 EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
873002	1 LS	REMOVE AND DISPOSE OF EXISTING SIGNAL EQUIPMENT

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA:

IF THE CABINET IS TO BE REMOVED SHA FORCES SHALL REMOVE THE CONTROLLER AND ALL AUXILIARY EQUIPMENT FROM THE CONTROLLER CABINET. THE CABINET AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

GENERAL NOTES

- FOR FINAL PAVEMENT MARKINGS, REFER TO THE PAVEMENT MARKING PLANS, AS APPLICABLE; OTHER THAN THOSE DETAILED ON THE PLAN. ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH ADMINISTRATION STANDARDS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLE TO THE APPROPRIATE TERMINALS AND PROPERLY LABELING EACH CABLE.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN THE APPROPRIATE 800 SERIES STANDARD PLATES. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- FOR MONTGOMERY COUNTY PROJECTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERING THE VIDEO INTERFACE EQUIPMENT TO THE MONTGOMERY COUNTY SIGNAL SHOP. COUNTY FORCES WILL COMPLETE THE RETROFIT WORK IN THE EXISTING CABINET.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC ONLY AND MAY NOT BE COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING MISS UTILITY PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IMMEDIATELY SO THAT THE CONFLICT MAY BE RESOLVED.
- THE CONTRACTOR SHALL MAINTAIN THE CONTINUOUS OPERATION OF ALL INTERCONNECT, VEHICULAR, PEDESTRIAN DETECTORS, AND LIGHTING DEVICES. IF ANY DEVICE IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPAIRED WITHIN 72 HOURS BY THE CONTRACTOR AT NO COST TO THE ADMINISTRATION AFTER NOTIFICATION BY THE ENGINEER.
- DURING CONSTRUCTION, PROPOSED SIGNAL EQUIPMENT SHALL NOT BLOCK EXISTING SIGNAL EQUIPMENT
- ALL UNUSED CABLE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR

PROJECT CONTACT LIST

DISTRICT 3	OFFICE OF TRAFFIC AND SAFETY
MR. DEREK GUNN DISTRICT 3 ENGINEER 301-513-7498	REBECCA LICHTENSTEIN, P.E. CHIEF, TRAFFIC OPERATIONS 410-787-7630
MR. JOSEPH MOGES (MD) ASSISTANT DISTRICT ENGINEER - TRAFFIC 301-513-7498	VACANT ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS 410-787-7625
MR. MARK LOEFFLER DISTRICT ENGINEER - UTILITIES 301-513-7350	MR. MIKE BASSO SECTION CHIEF, SIGNAL OPERATIONS SECTION 410-787-7650/7652
MR. JOHN GOVER ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 301-513-7336	MR. DAVID "TODD" JONES SECTION CHIEF, SIGN OPERATIONS SECTION 410-787-7676
MR. GREGORY EDWARDS ASSISTANT DISTRICT ENGINEER - MAINTENANCE 301-513-7304	MR. MICHAEL BOYLE SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE) 410-787-7668

MAINTENANCE OF TRAFFIC NOTE

MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL:

- STANDARD NO. 104.04-14 (LEFT-TURN BAY CLOSEURE/DIVIDED UNCON. EOL/LESS THAN 40 MPH)
- STANDARD NO. 104.04-16 (INTER. (LEFT LANE, TURN BAY) CLOSEURE/DIVIDED UNCON. EOL/LESS THAN 40 MPH)

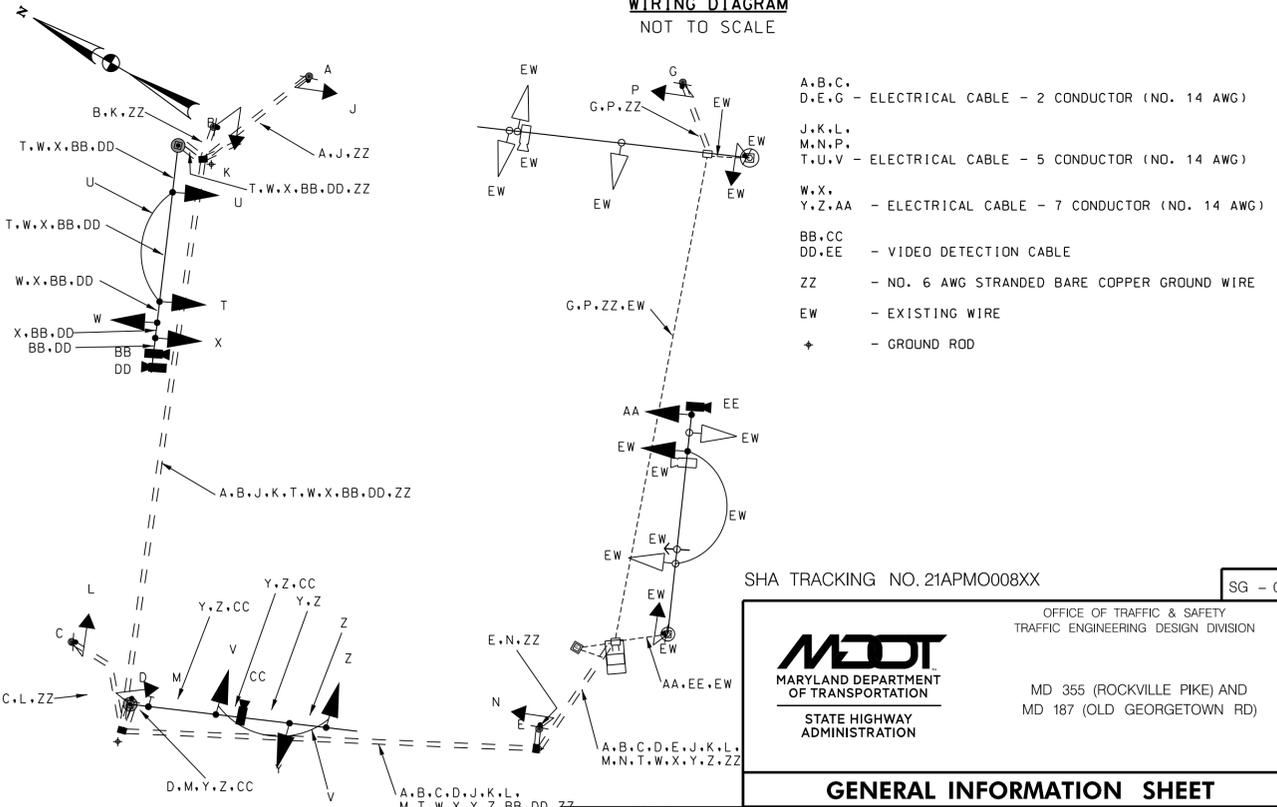
ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.

PHASE CHART



	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
PHASE 1 AND 5	←R- ←G-	←R- ←G-	R R	←G- ←G-	R R	R R	R R	R R	R R	R R	R R	R R	R R	R R	DW	DW	DW	DW	DW	DW	DW	DW
1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																						
PHASE 1 AND 6	←R- ←R-	R R	←G- ←G-	G G	R R	R R	R R	R R	R R	R R	R R	R R	R R	R R	W/K	DW	DW	W/K	DW	DW	DW	DW
1 AND 6 CHANGE	←R- ←R-	R R	←Y- ←Y-	G G	R R	R R	R R	R R	R R	R R	R R	R R	R R	R R	W/K	DW	DW	W/K	DW	DW	DW	DW
PHASE 2 AND 5	←G- ←G-	G G	←R- ←R-	R R	R R	R R	R R	R R	R R	R R	R R	R R	R R	R R	DW	W/K	W/K	DW	DW	DW	DW	DW
2 AND 5 CHANGE	←Y- ←Y-	G G	←R- ←R-	R R	R R	R R	R R	R R	R R	R R	R R	R R	R R	R R	DW	W/K	W/K	DW	DW	DW	DW	DW
PHASE 2 AND 6	←R- ←R-	G G	←R- ←R-	G G	R R	R R	R R	R R	R R	R R	R R	R R	R R	R R	W/K	W/K	W/K	DW	DW	DW	DW	DW
PED CLEARANCE	←R- ←R-	G G	←R- ←R-	G G	R R	R R	R R	R R	R R	R R	R R	R R	R R	R R	FL/DW	FL/DW	FL/DW	FL/DW	DW	DW	DW	DW
2 AND 6 CHANGE	←R- ←R-	Y Y	←R- ←R-	Y Y	R R	R R	R R	R R	R R	R R	R R	R R	R R	R R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3	←R- ←R-	R R	←R- ←R-	R R	←GG	←GG	G R	R R	R R	R R	R R	R R	R R	R R	DW	DW	DW	DW	DW	DW	DW	DW
3 CHANGE	←R- ←R-	R R	←R- ←R-	R R	R R	Y Y	Y Y	Y Y	R R	R R	R R	R R	R R	R R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 3 ALT	←R- ←R-	R R	←R- ←R-	R R	←GG	←GG	G R	R R	R R	R R	R R	R R	R R	R R	DW	DW	DW	DW	W/K	W/K	W/K	W/K
PED CLEARANCE	←R- ←R-	R R	←R- ←R-	R R	←GG	←GG	G R	R R	R R	R R	R R	R R	R R	R R	DW	DW	DW	DW	DW	FL/DW	FL/DW	DW
3 ALT CHANGE	←R- ←R-	R R	←R- ←R-	R R	R R	Y Y	Y Y	Y Y	R R	R R	R R	R R	R R	R R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4	←R- ←R-	R R	←R- ←R-	R R	R R	R R	R R	←GG	←GG	G	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
4 CHANGE	←R- ←R-	R R	←R- ←R-	R R	R R	R R	R R	R R	Y Y	Y Y	Y Y	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	←R- ←R-	R R	←R- ←R-	R R	R R	R R	R R	←GG	←GG	G	DW	DW	DW	DW	W/K	W/K	W/K	W/K	W/K	W/K	W/K	W/K
PED CLEARANCE	←R- ←R-	R R	←R- ←R-	R R	R R	R R	R R	←GG	←GG	G	DW	DW	DW	DW	FL/DW	DW	DW	FL/DW	DW	DW	FL/DW	DW
4 ALT CHANGE	←R- ←R-	R R	←R- ←R-	R R	R R	R R	R R	Y Y	Y Y	Y Y	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/R	FL/R	FL/R	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM
NOT TO SCALE



SHA TRACKING NO. 21APMO008XX

SG - 02

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION



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

STATE HIGHWAY
ADMINISTRATION

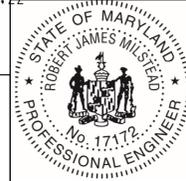
GENERAL INFORMATION SHEET

SCALE	NTS	ADVERTISED DATE	CONTRACT NO.
DESIGNED BY	RJM	COUNTY	MONTGOMERY
DRAWN BY	RJM	LOGMILE	15018705.32
CHECKED BY	RB	TIMS NO.	XXXXX
F.A.P. NO.	SEE TITLE SHEET	TOD NO.	
TS NO. 3262D	DRAWING	SG - 2 OF 2	SHEET NO. 31 OF 93



Stantec
610 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: 17172 EXPIRATION DATE: 12/12/2022



6/23/2022 U:\2026213204\700 CAD\701 Sheet\Phase 2\p5G-N001_WFMeTrc.dgn

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 PERMITTEE 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.
2. NORTHBOUND MD 355 TO DROP RIGHT TWO LANES AND PASS BY WORK ZONE IN SINGLE LANE. SOUTHBOUND LEFT TURN TRAFFIC TO OLD GEORGETOWN ROAD IS DIVERTED TO MARINELLI ROAD AND CITADEL STREET. EASTBOUND OLD GEORGETOWN ROAD TRAFFIC TURNING LEFT TO DROP INTO SINGLE LANE; THRU TRAFFIC TO TURN RIGHT TO SOUTHBOUND MD 355 AND DIVERTED TO MARINELLI ROAD AND CITADEL STREET.
3. PEDESTRIANS ARE DETOURED TO CROSS MD 355 AT ROSE AVENUE AND MARINELLI ROAD.
4. RELOCATE WATER MAIN AS SHOWN ON PLANS.

PHASE 2

1. INSTALL MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR PHASE 2.
2. SOUTHBOUND MD 355 TO DROP RIGHT LANE. PEDESTRIANS ARE DETOURED TO OTHER CROSSWALKS IN INTERSECTION.
3. CONSTRUCT PROPOSED CURB, SIDEWALK IMPROVEMENTS AND DRAINAGE IMPROVEMENTS IN NORTHWEST QUADRANT.
4. INSTALL NEW CONDUIT FROM SOUTHWEST TO NORTHWEST TO NORTHEAST QUADRANTS, INSTALL NEW TRAFFIC SIGNAL EQUIPMENT IN NORTHWEST QUADRANT AND CONDUCTORS. REMOVE EXISTING MAST POLE, MAST ARM AND PEDESTRIAN SIGNAL EQUIPMENT IN NORTHWEST QUADRANT.

PHASE 3

1. INSTALL MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR PHASE 3.
2. NORTHBOUND AND SOUTHBOUND MD 355 TRAFFIC TO DROP RIGHT TWO LANES AND PASS BY WORK ZONE IN SINGLE LANE. SOUTHBOUND LEFT TURN TRAFFIC TO OLD GEORGETOWN ROAD DIVERTED TO MARINELLI ROAD AND CITADEL STREET.
3. PEDESTRIANS ARE DETOURED TO OTHER CROSSWALKS IN INTERSECTION.
4. CONSTRUCT PROPOSED MEDIAN, AND DRAINAGE IMPROVEMENTS ON NORTH LEG OF INTERSECTION.

PHASE 4

1. INSTALL MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR PHASE 4.
2. OLD GEORGETOWN ROAD CLOSED BETWEEN MD 355 AND I1700 OLD GEORGETOWN ROAD. WESTBOUND GEORGETOWN ROAD CLOSED TO THRU TRAFFIC AT CITADEL AVENUE. TRAFFIC DIVERTED TO CITADEL AVENUE AND MARINELLI ROAD. SOUTHBOUND MD 355 LEFT TURNING AND EASTBOUND OLD GEORGETOWN ROAD THRU TRAFFIC DIVERTED TO SOUTHBOUND MD 355 TO TURN LEFT AT MARINELLI ROAD. PEDESTRIANS ARE DETOURED TO OTHER CROSSWALKS IN INTERSECTION.
3. CONSTRUCT PROPOSED CURB, SIDEWALK IMPROVEMENTS AND DRAINAGE IMPROVEMENTS IN NORTHEAST QUADRANT.
4. INSTALL NEW TRAFFIC SIGNAL EQUIPMENT IN NORTHEAST QUADRANT. REMOVE EXISTING MAST POLE, MAST ARM AND PEDESTRIAN SIGNAL EQUIPMENT IN NORTHEAST QUADRANT.

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 AT 410-313-6821
- MONTGOMERY COUNTY FIRE AND RESCUE, LOCAL FIRE DEPARTMENT AT 240-773-4723
- MONTGOMERY COUNTY POLICE, LOCAL TRAFFIC SERGEANT AT 240-773-5500
- 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 AT 240-773-5500
- MONTGOMERY COUNTY TRANSPORTATION MANAGEMENT CENTER AT 240-777-2100
- MONTGOMERY COUNTY FIRE AND RESCUE, LOCAL FIRE DEPARTMENT AT 240-773-4723
- MONTGOMERY COUNTY PUBLIC SCHOOLS, LOCAL DEPOT MANAGER AT 410-313-6821

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.

SEQUENCE OF CONSTRUCTION CONT'D

PHASE 5

1. INSTALL MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR PHASE 5.
2. NORTHBOUND MD 355 TO DROP RIGHT LANE. PEDESTRIANS ARE DETOURED TO OTHER CROSSWALKS IN INTERSECTION.
3. CONSTRUCT PROPOSED CURB, SIDEWALK IMPROVEMENTS AND DRAINAGE IMPROVEMENTS IN SOUTHWEST QUADRANT.
4. INSTALL NEW TRAFFIC SIGNAL EQUIPMENT IN SOUTHWEST QUADRANT. REMOVE EXISTING PEDESTRIAN SIGNAL EQUIPMENT IN SOUTHWEST QUADRANT.

PHASE 6

1. INSTALL MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR PHASE 6.
2. INSIDE LANE IN BOTH DIRECTIONS ON THE WEST LEG IS CLOSED. PEDESTRIANS ARE DETOURED TO OTHER CROSSWALKS IN INTERSECTION.
3. CONSTRUCT PROPOSED MEDIAN IMPROVEMENTS AND DRAINAGE IMPROVEMENTS ON WEST LEG OF INTERSECTION.

PHASE 7

1. INSTALL MAINTENANCE OF TRAFFIC CONTROL DEVICES FOR PHASE 7.
2. SOUTHBOUND MD 355 TO DROP RIGHT LANE. PEDESTRIANS ARE DETOURED TO OTHER CROSSWALKS IN INTERSECTION.
3. CONSTRUCT PROPOSED CURB, SIDEWALK IMPROVEMENTS AND DRAINAGE IMPROVEMENTS IN SOUTHWEST QUADRANT.
4. INSTALL NEW TRAFFIC SIGNAL EQUIPMENT IN SOUTHWEST QUADRANT. REMOVE EXISTING PEDESTRIAN SIGNAL EQUIPMENT IN SOUTHWEST QUADRANT.

PHASE 8

1. MILL AND OVERLAY PAVEMENT. FLAGGING OPERATIONS AS NECESSARY.
2. INSTALL PERMANENT PAVEMENT MARKINGS.

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MT - 01

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

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
GENERAL NOTES

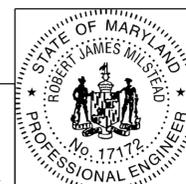
SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 32 of 93

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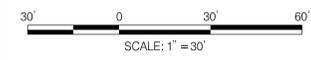
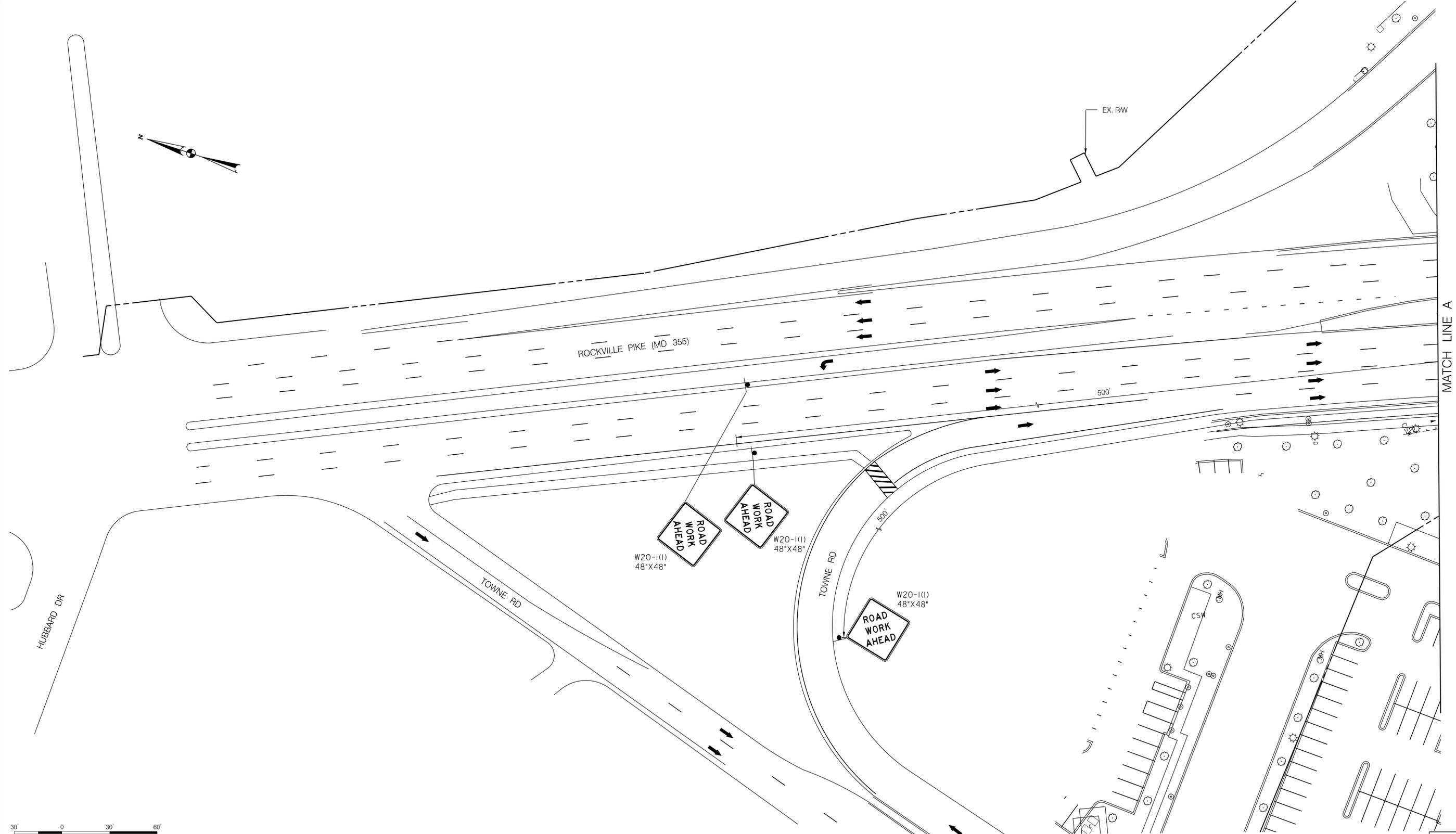


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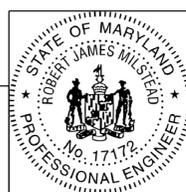


LEGEND

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

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MT - 02

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

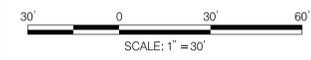
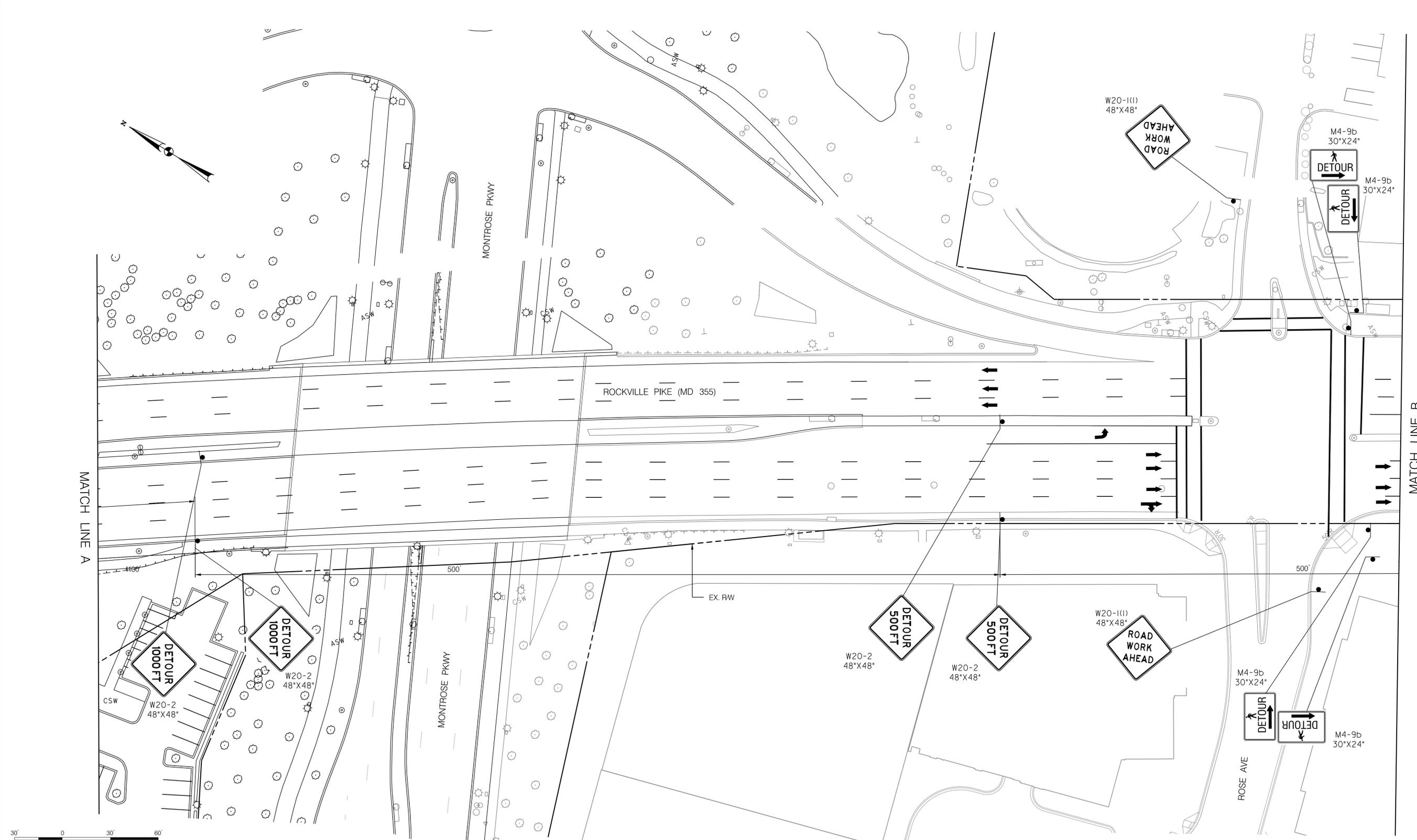
MAINTENANCE OF TRAFFIC PLAN
 PHASE 1

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 33 of 93

MATCH LINE A

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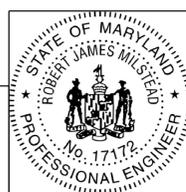


LEGEND

- DRUMS
- TEMPORARY SIGN AND SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▭ WORK SITE
- ∞ ARROW PANEL
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MT - 03

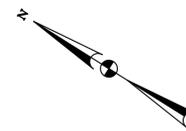
WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 1

SCALE : 1" = 30' DATE : JUNE 2022

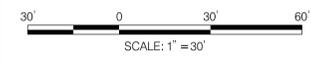
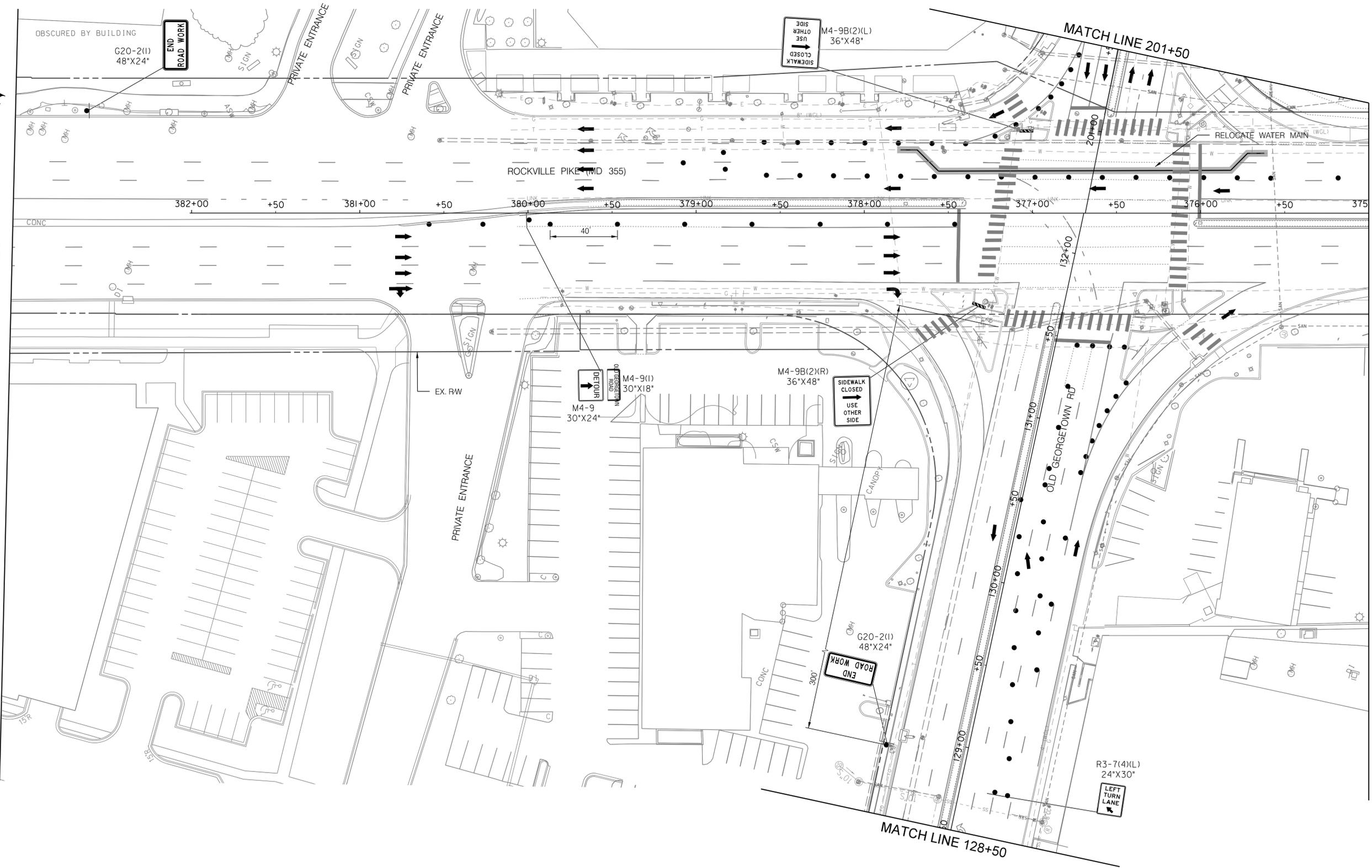
Project No. : 502106 SHEET 34 of 93

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MATCH LINE B

MATCH LINE 375+00

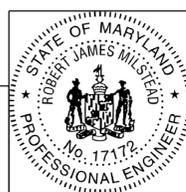


LEGEND

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

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MT - 04

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

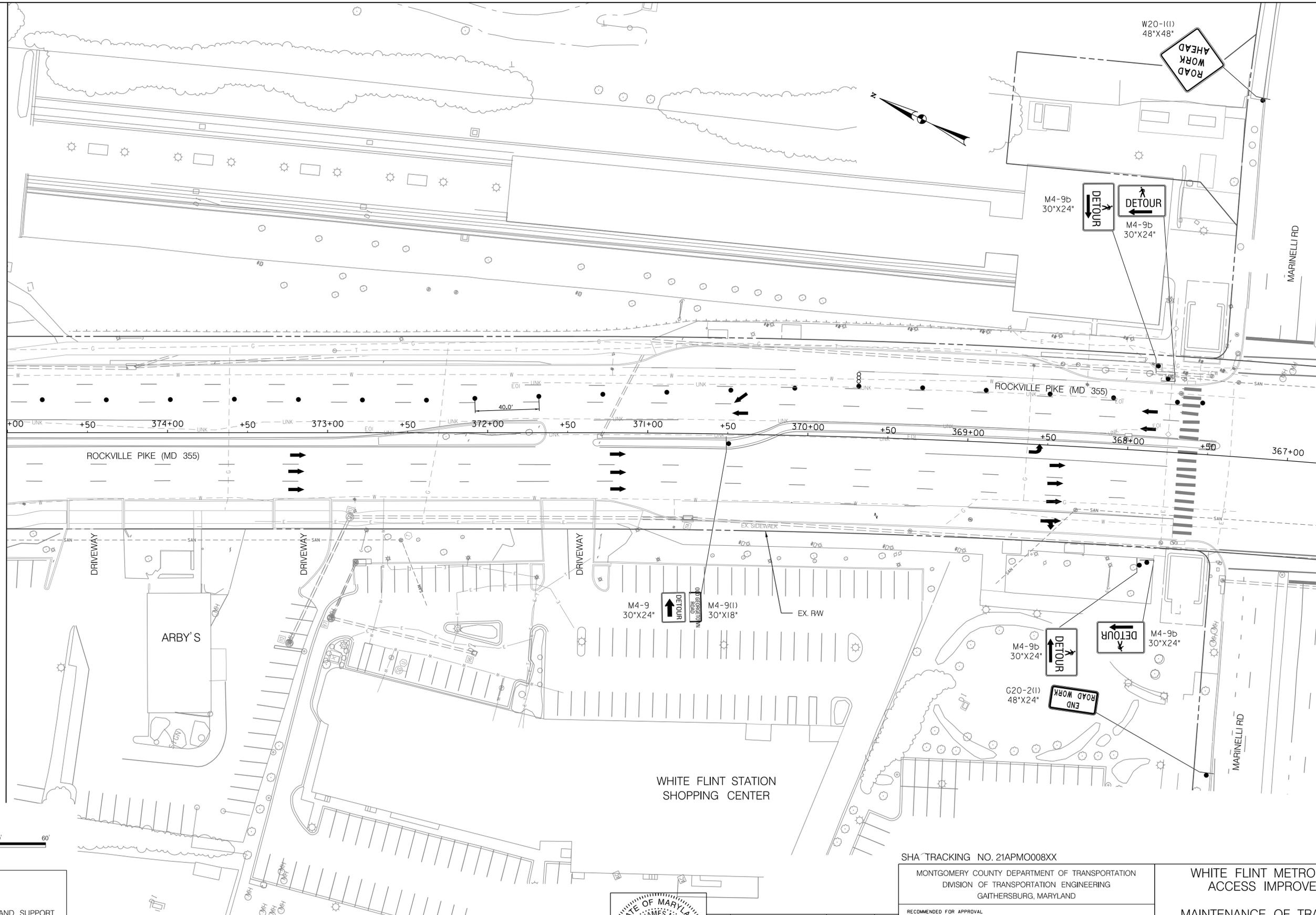
MAINTENANCE OF TRAFFIC PLAN
PHASE 1

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 35 of 93

6/23/2022 \\us1527-f01\shared.projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P014.dgn

MATCH LINE SEE 375+00



LEGEND

- DRUMS
- TEMPORARY SIGN AND SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▭ WORK SITE
- ∞ ARROW PANEL
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 Chief, Division of Transportation Engineering
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WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

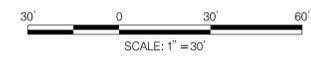
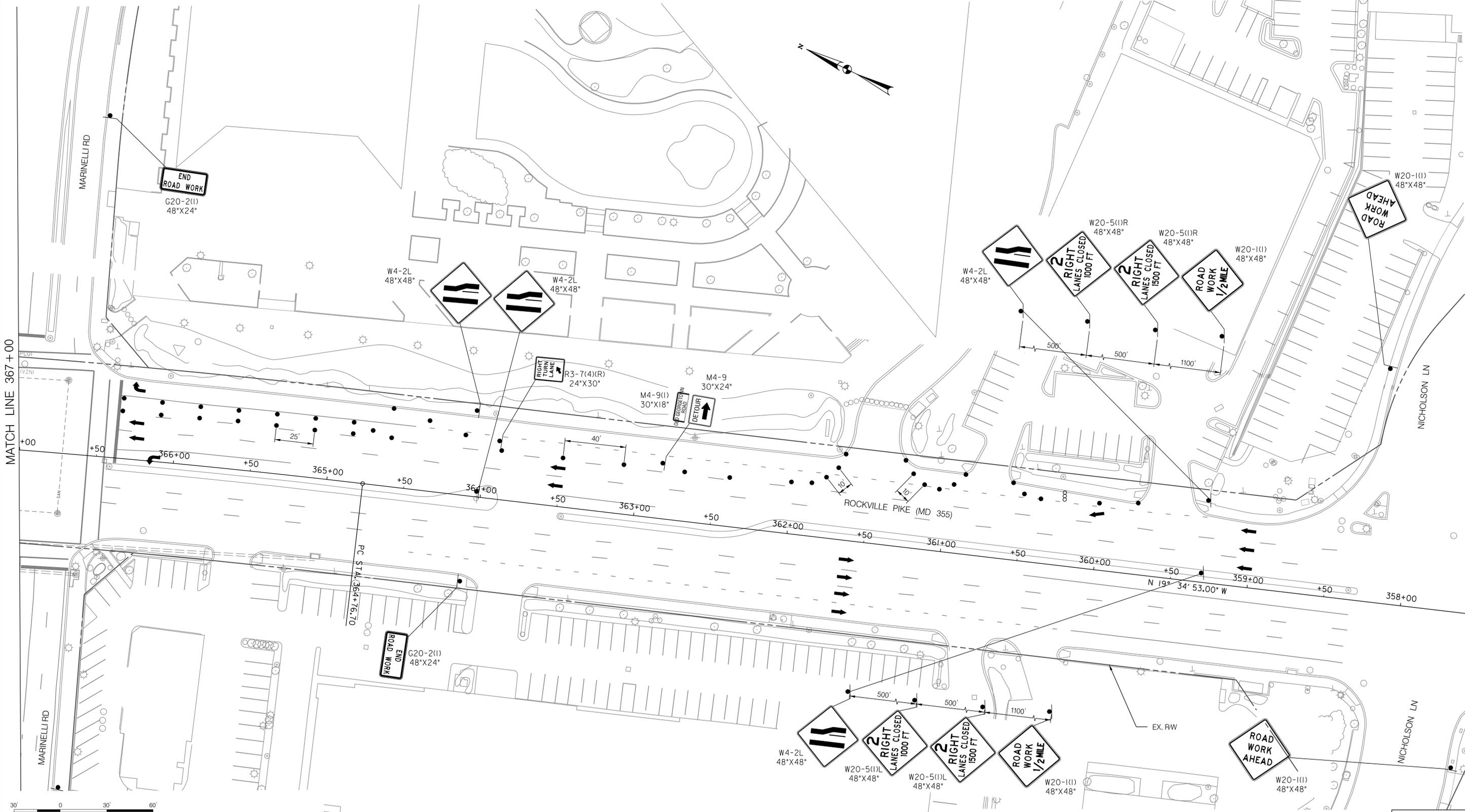
MAINTENANCE OF TRAFFIC PLAN
 PHASE 1

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 36 of 93

MT - 05

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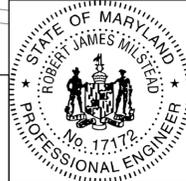


LEGEND

- DRUMS
- TEMPORARY SIGN AND SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▭ WORK SITE
- ∞ ARROW PANEL
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MT - 06

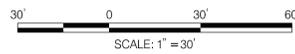
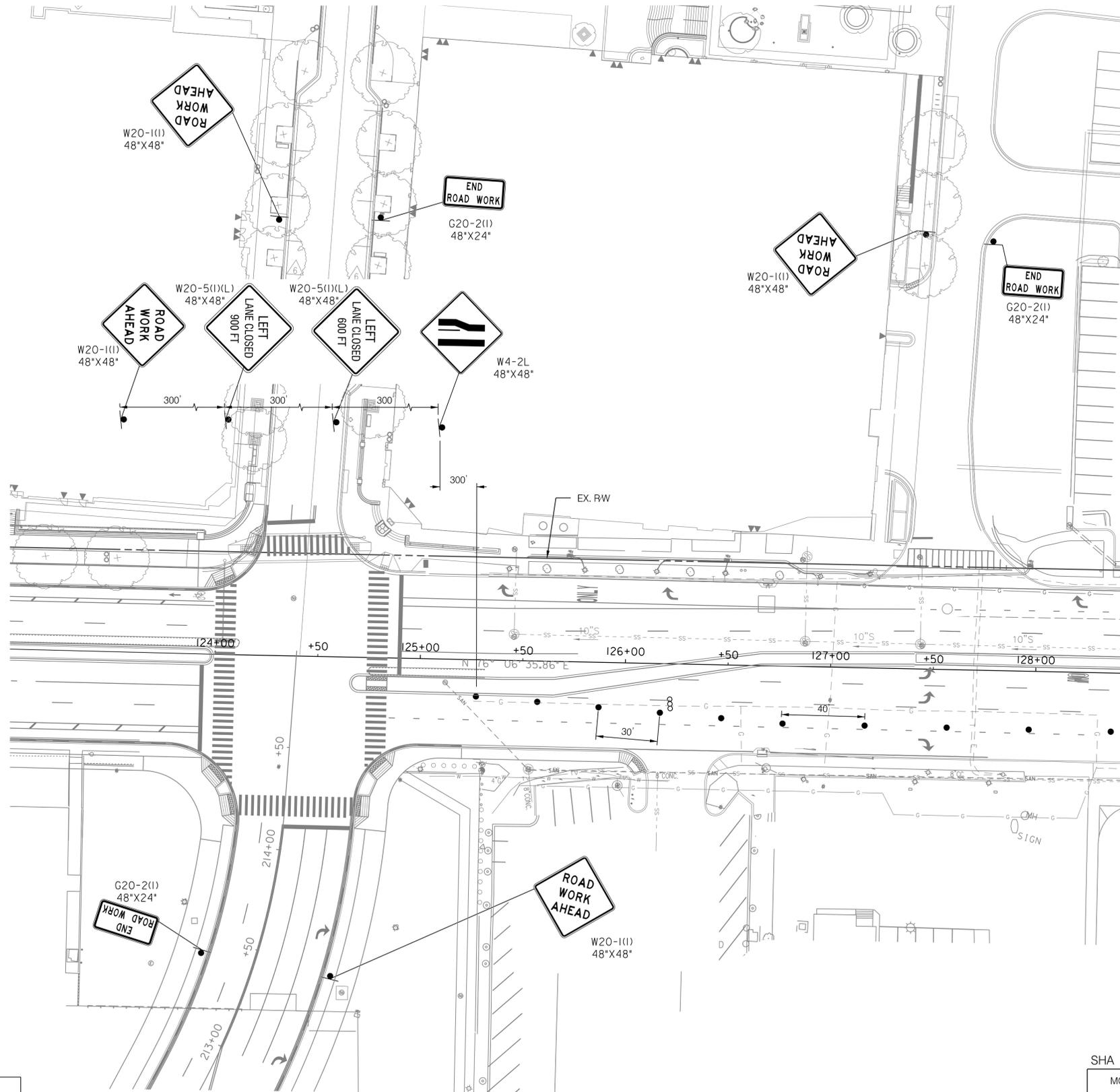
WHITE FLINT METRO STATION
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MAINTENANCE OF TRAFFIC PLAN
 PHASE 1

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 37 of 93

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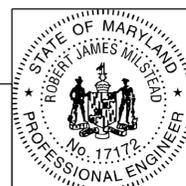


LEGEND

- DRUMS
- TEMPORARY SIGN AND SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▭ WORK SITE
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- ▬ TYPE III BARRICADE



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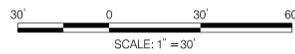
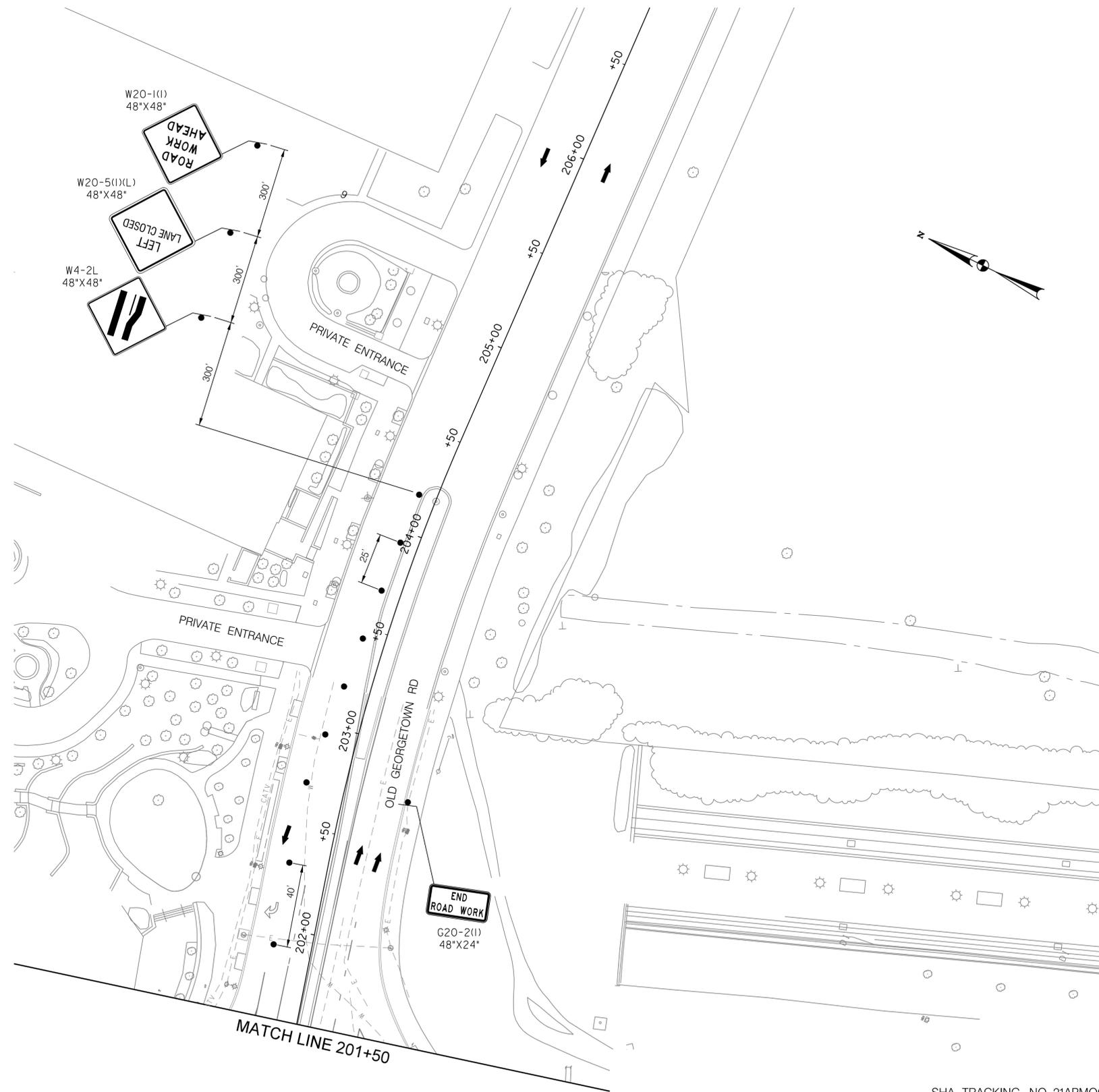
MT - 07

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS
 MAINTENANCE OF TRAFFIC PLAN
 PHASE 1

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 38 of 93

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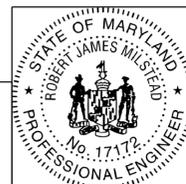


LEGEND

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



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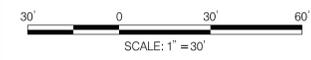
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 ACCESS IMPROVEMENTS
 MAINTENANCE OF TRAFFIC PLAN
 PHASE 1

SCALE : 1" = 30' DATE : JUNE 2022
 Project No. : 502106 SHEET 39 of 93

MT - 08

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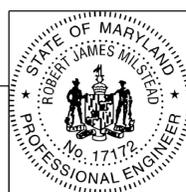


LEGEND

- DRUMS
- ⊙ TEMPORARY SIGN AND SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▭ WORK SITE
- ∞ ARROW PANEL
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MT - 11

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 2

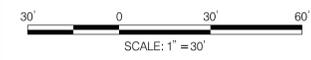
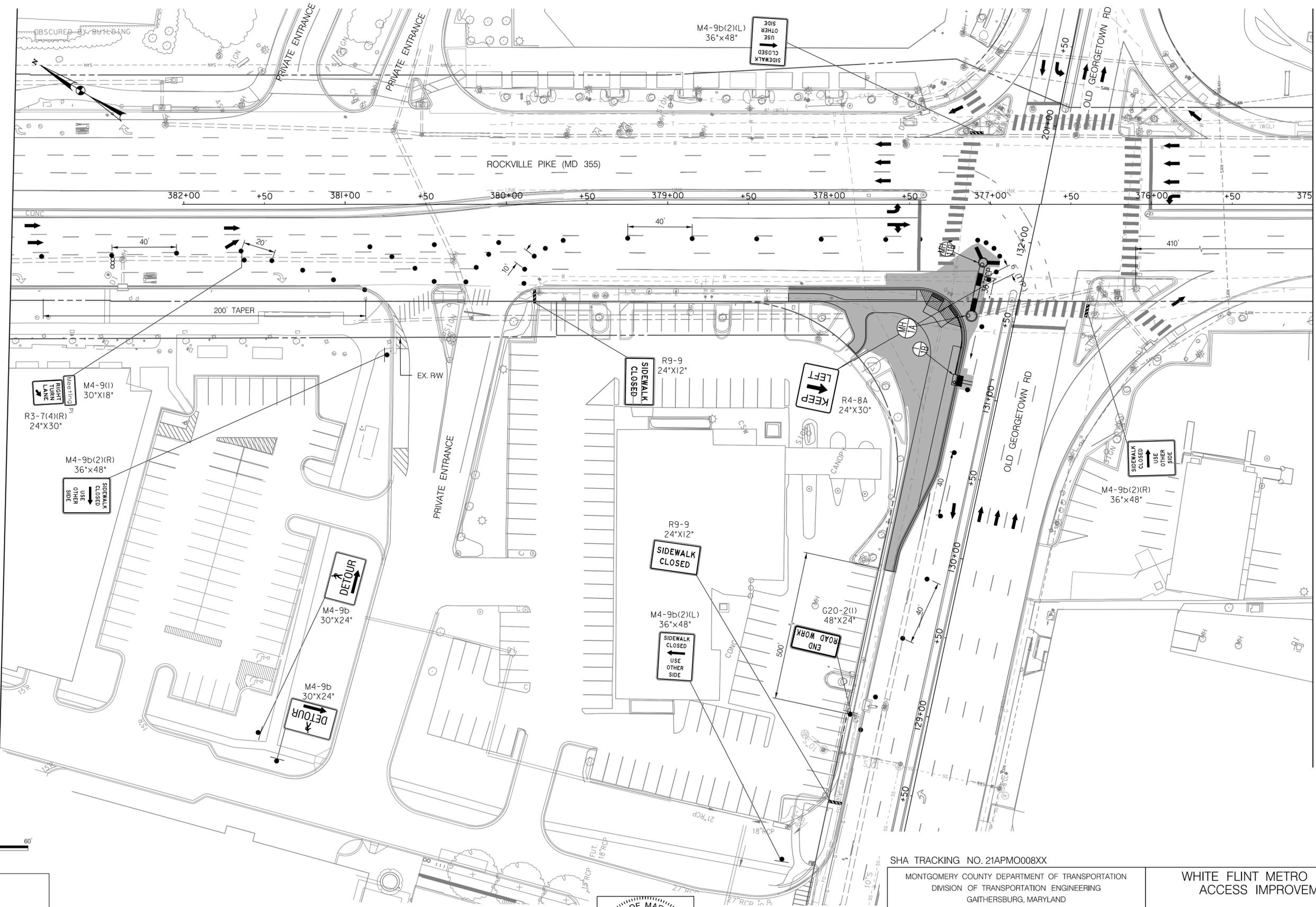
SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 42 of 93

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MATCH LINE B

MATCH LINE 375+00



LEGEND

- DRUMS
- TEMPORARY SIGN AND SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▭ WORK SITE
- ⇄ ARROW PANEL
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MT - 12

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

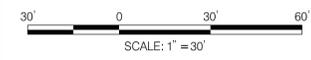
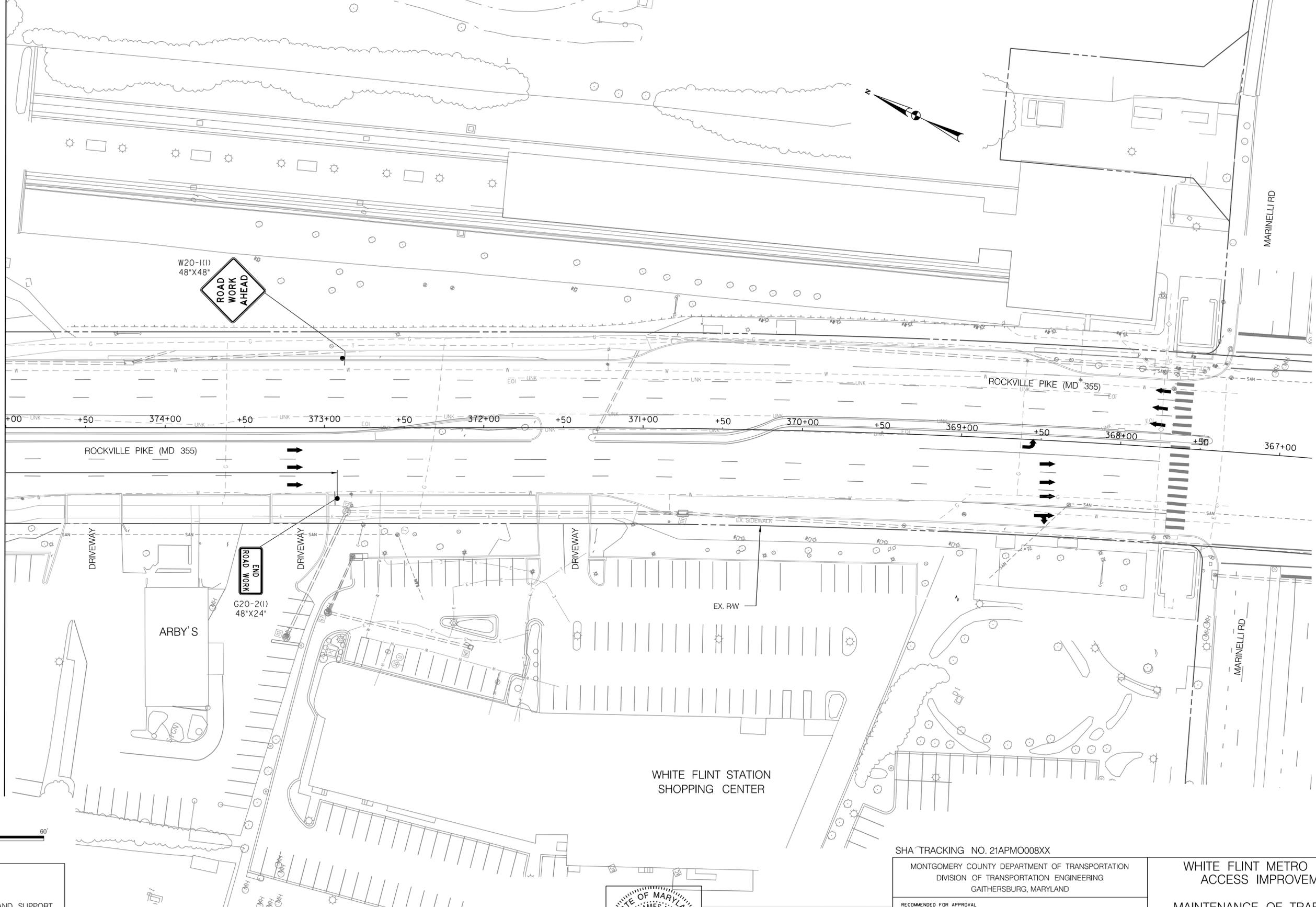
MAINTENANCE OF TRAFFIC PLAN
 PHASE 2

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 43 of 93

6/23/2022 \\us1527-f01\shared.projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P024.dgn

MATCH LINE SEE 375+00



LEGEND

- DRUMS
- TEMPORARY SIGN AND SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▭ WORK SITE
- ∞ ARROW PANEL
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Chief, Division of Transportation Engineering

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MT - 13

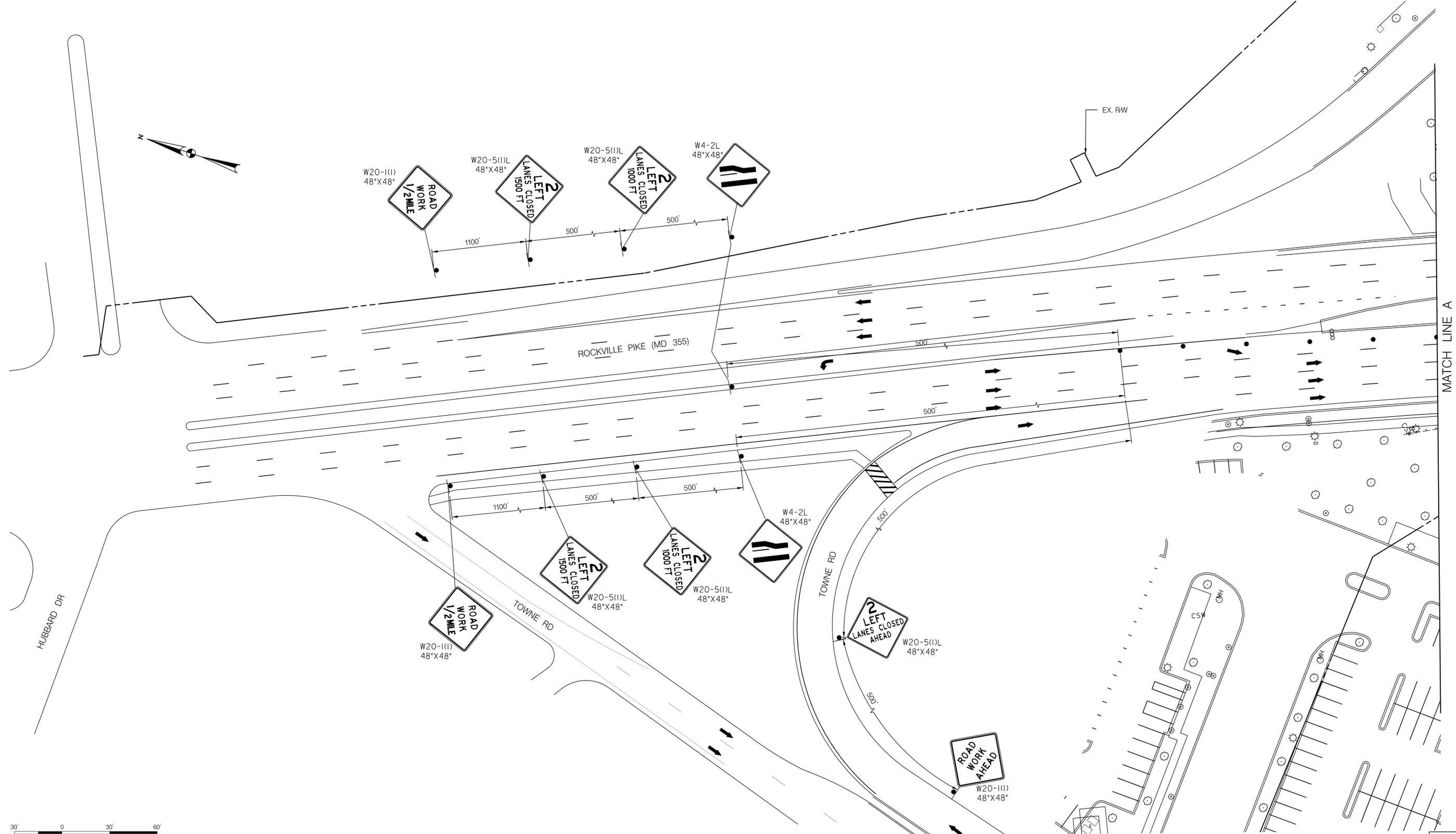
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 2

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 44 of 93

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LEGEND

- DRUMS
- TEMPORARY SIGN AND SUPPORT
- ↑ DIRECTION OF TRAFFIC
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- ∞ ARROW PANEL
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MT - 14

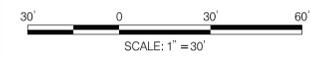
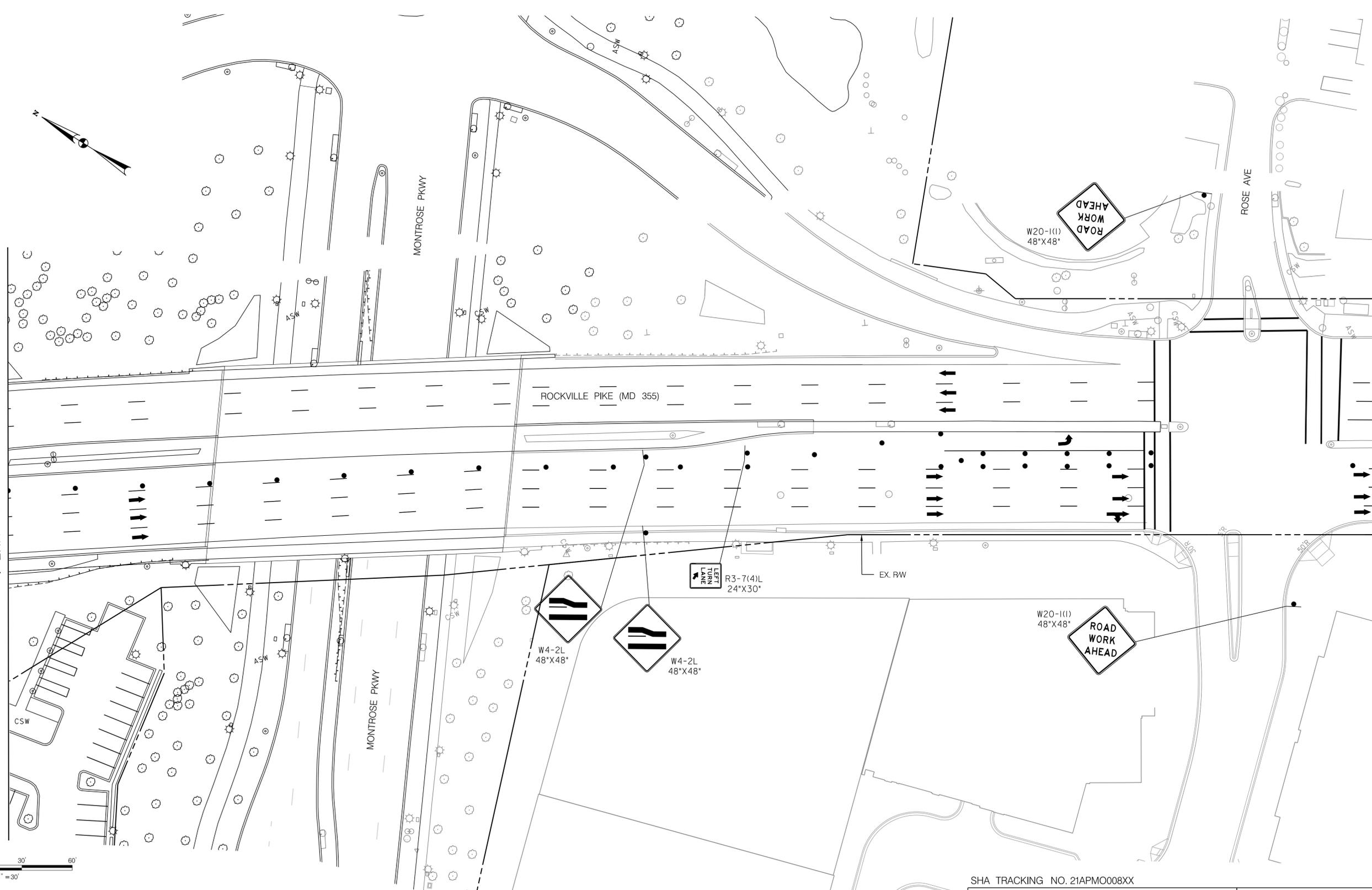
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 3

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 45 of 93

6/23/2022 \\us1527-f01\shared-projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P032.dgn

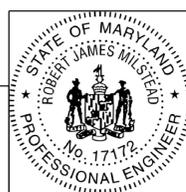


LEGEND

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

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NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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 APPROVED
 SEE TITLE SHEET FOR SIGNATURES _____ Date _____
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 Designed by: _____ Drawn by: _____ Checked by: _____

MT - 15

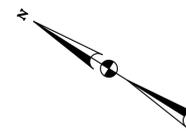
WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 3

SCALE : 1" = 30' DATE : JUNE 2022

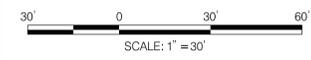
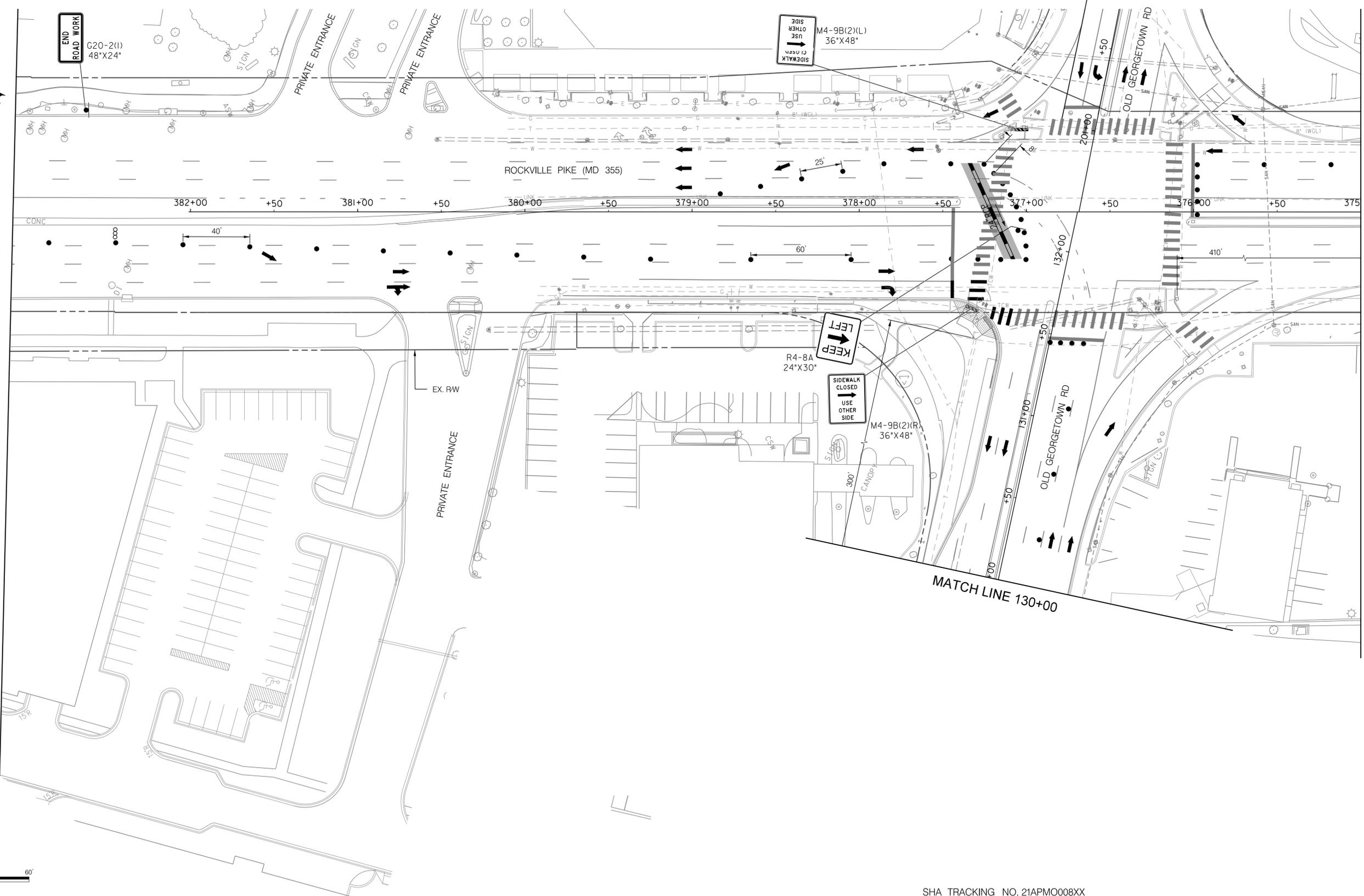
Project No. : 502106 SHEET 46 of 93

6/23/2022 \\us1527-f01\shared_projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P033.dgn



MATCH LINE B

MATCH LINE 375+00

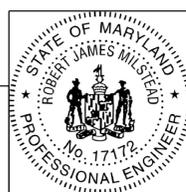


LEGEND

- DRUMS
- ⊙ TEMPORARY SIGN AND SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▭ WORK SITE
- ⇄ ARROW PANEL
- ▬ TYPE III BARRICADE

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MT - 16

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 3

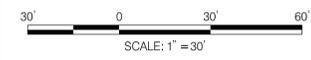
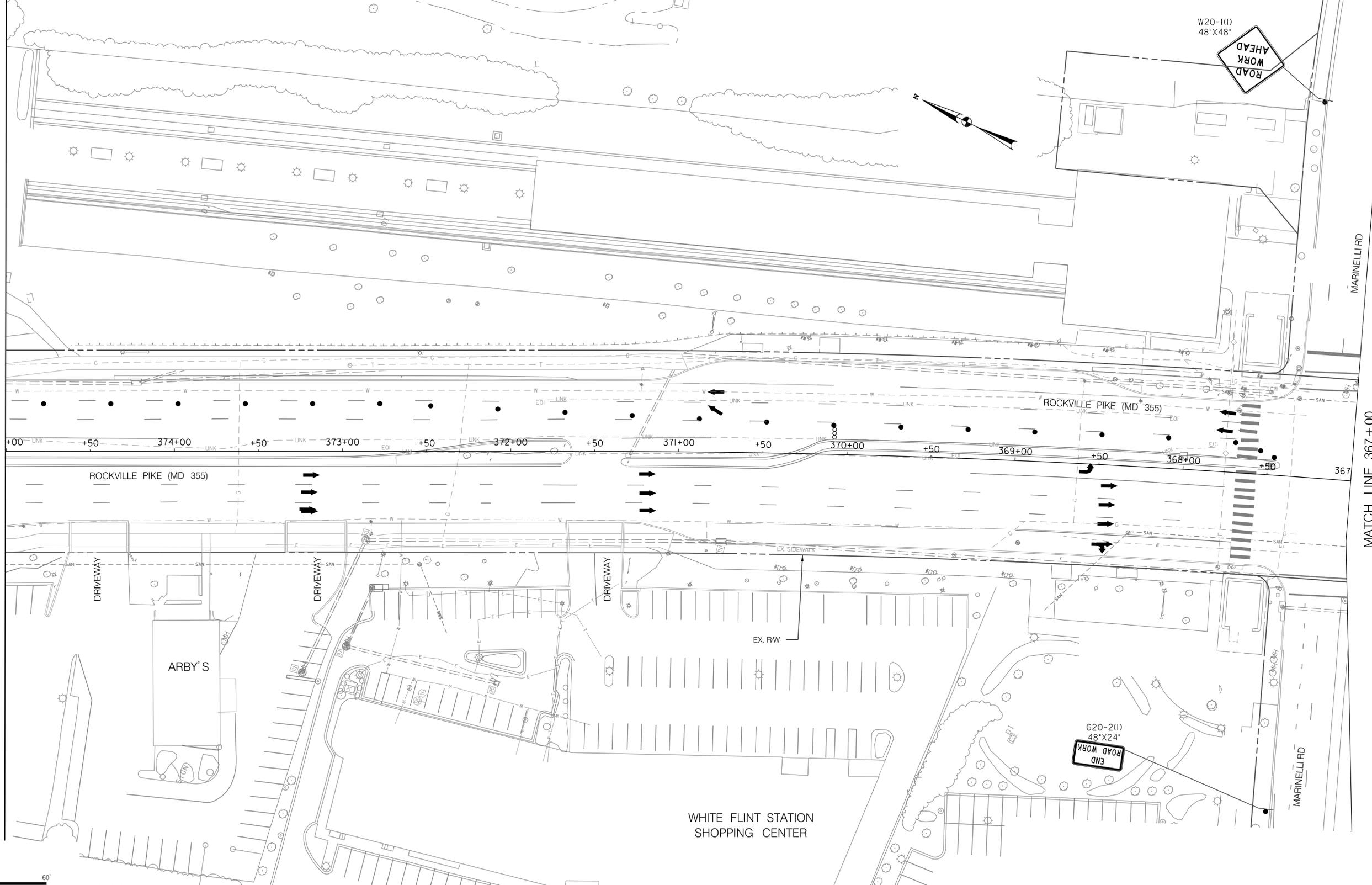
SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 47 of 93

6/23/2022 \\us1527-f01\shared.projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P034.dgn

MATCH LINE SEE 375+00

MATCH LINE 367+00

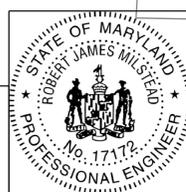


LEGEND

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

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MT - 17

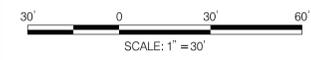
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 3

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 48 of 93

6/23/2022 \\us1527-f01\shared\projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P035.dgn



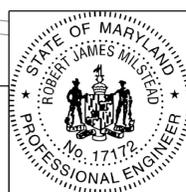
LEGEND

- DRUMS
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- ↑ DIRECTION OF TRAFFIC
- ▭ WORK SITE
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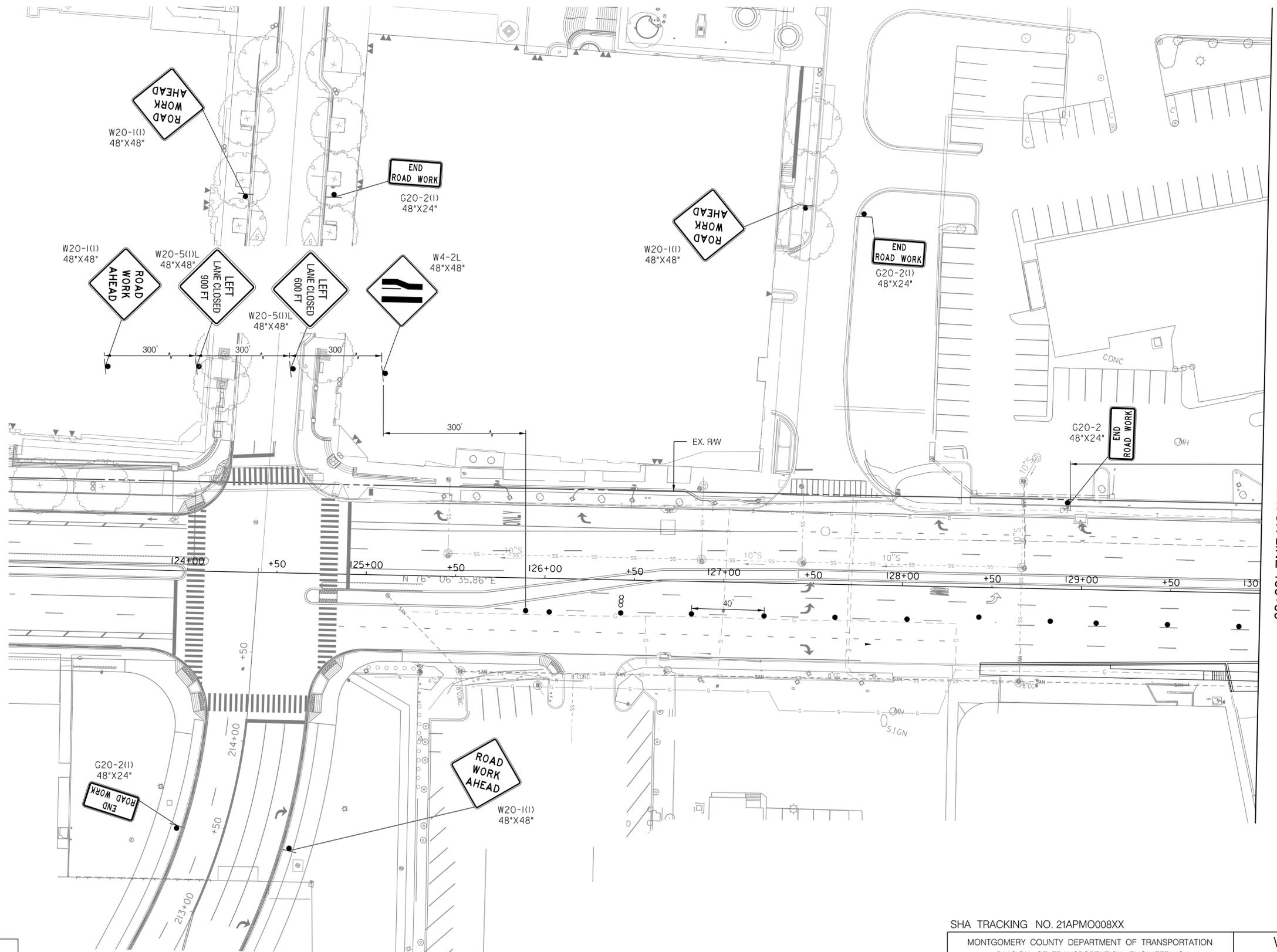
MT - 18

**WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS**

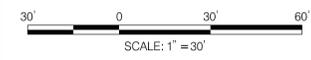
**MAINTENANCE OF TRAFFIC PLAN
 PHASE 3**

SCALE : 1" = 30' DATE : JUNE 2022
 Project No. : 502106 SHEET 49 of 93

6/23/2022 \\us1527-f01\shared\projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P036.dgn



MATCH LINE 130+00

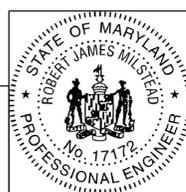


LEGEND

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

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MT - 19

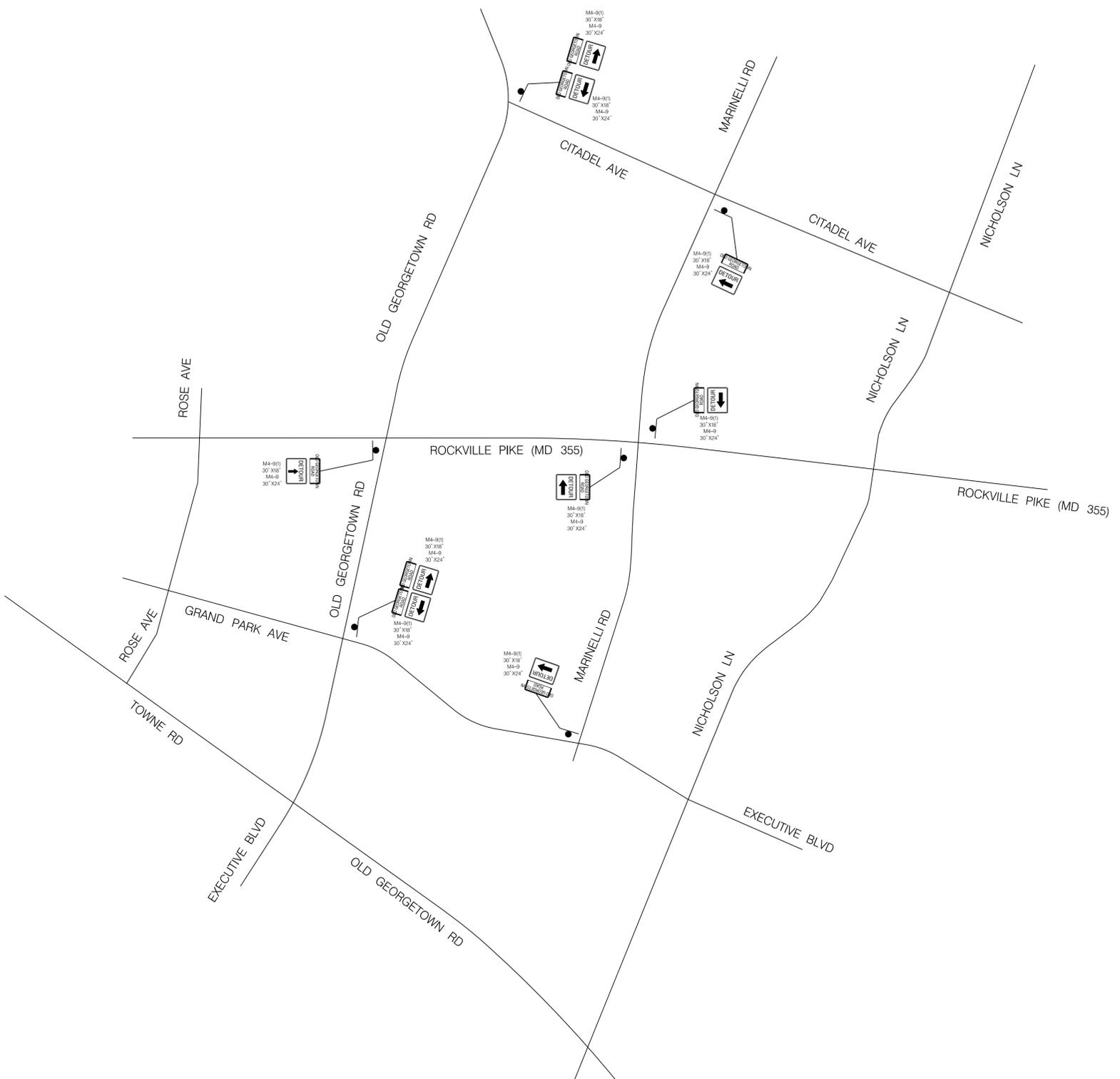
**WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS**

**MAINTENANCE OF TRAFFIC PLAN
PHASE 3**

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 50 of 93

6/23/2022 \\us1527-f01\shared-projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P037.dgn

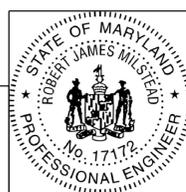


LEGEND

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

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MT - 20

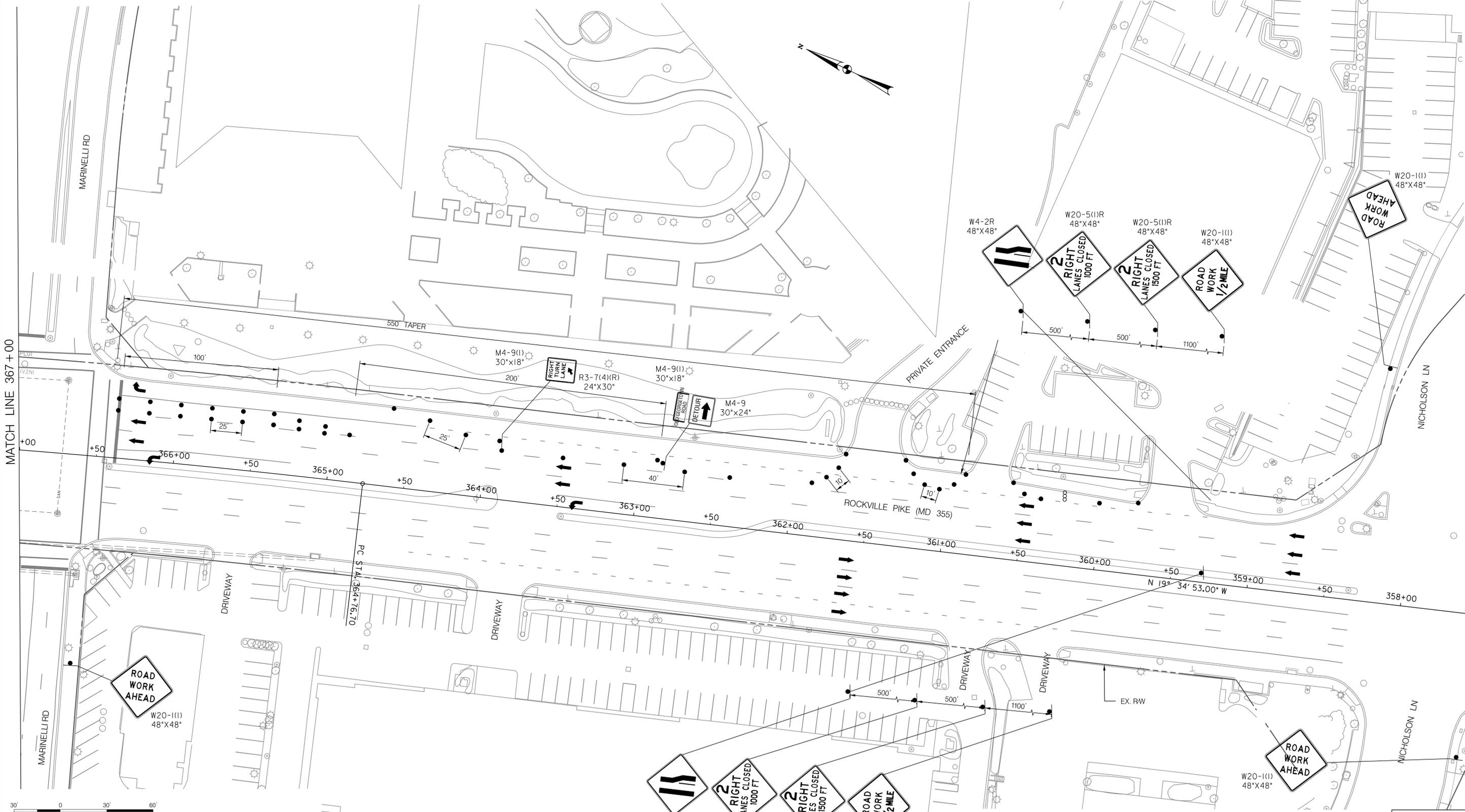
WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 3 DETOUR

SCALE : NTS DATE : JUNE 2022

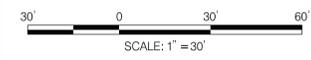
Project No. : 502106 SHEET 51 of 93

6/23/2022 \\us1527-f01\shared\projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P041.dgn



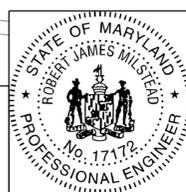
LEGEND

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



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MT - 21

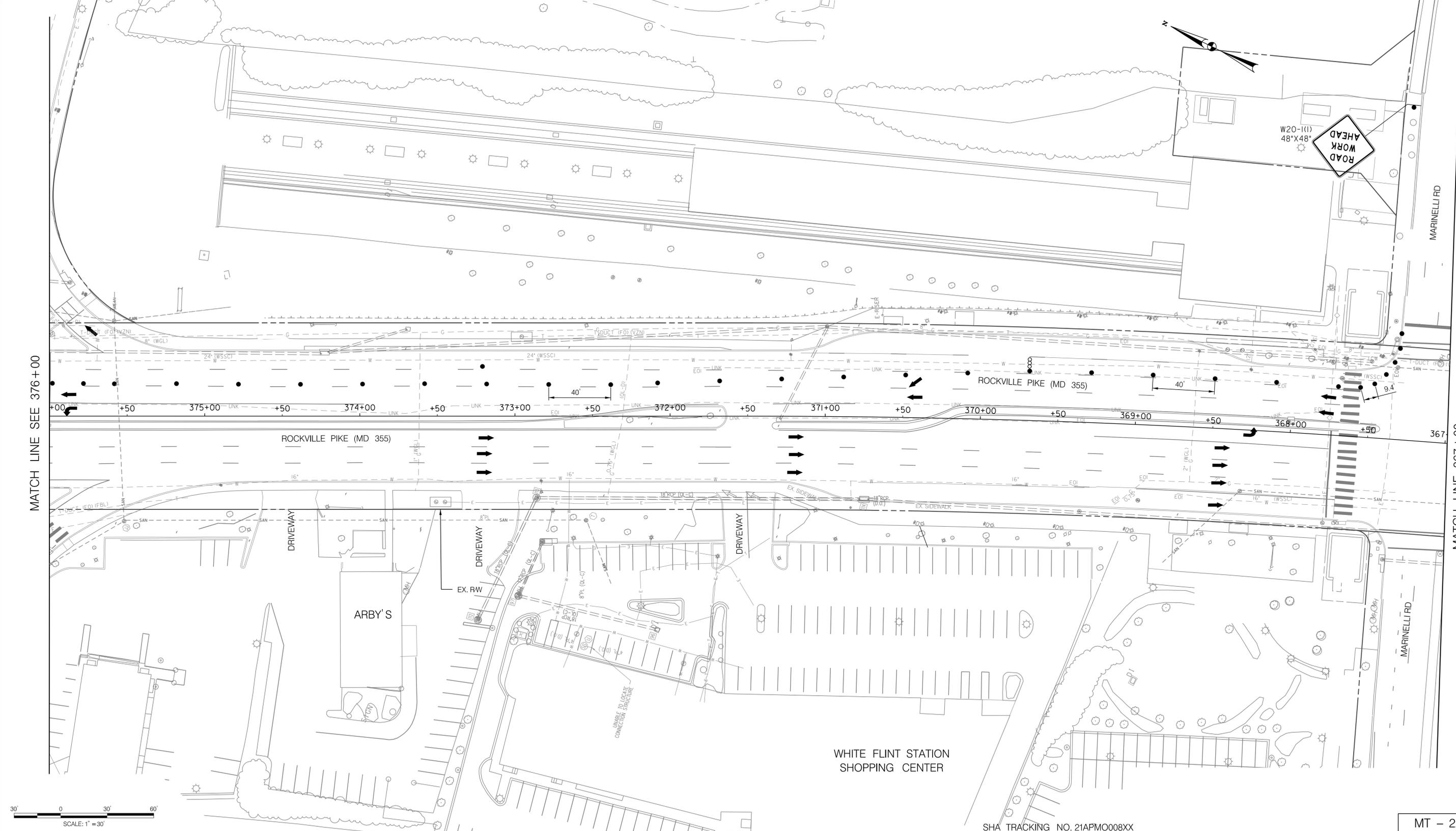
**WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS**

**MAINTENANCE OF TRAFFIC PLAN
PHASE 4**

SCALE : 1" = 30' DATE : JUNE 2022

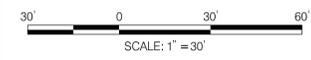
Project No. : 502106 SHEET 52 of 93

6/23/2022 \\us1527-f01\shared\projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P042.dgn



LEGEND

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



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MT - 22

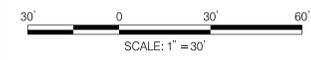
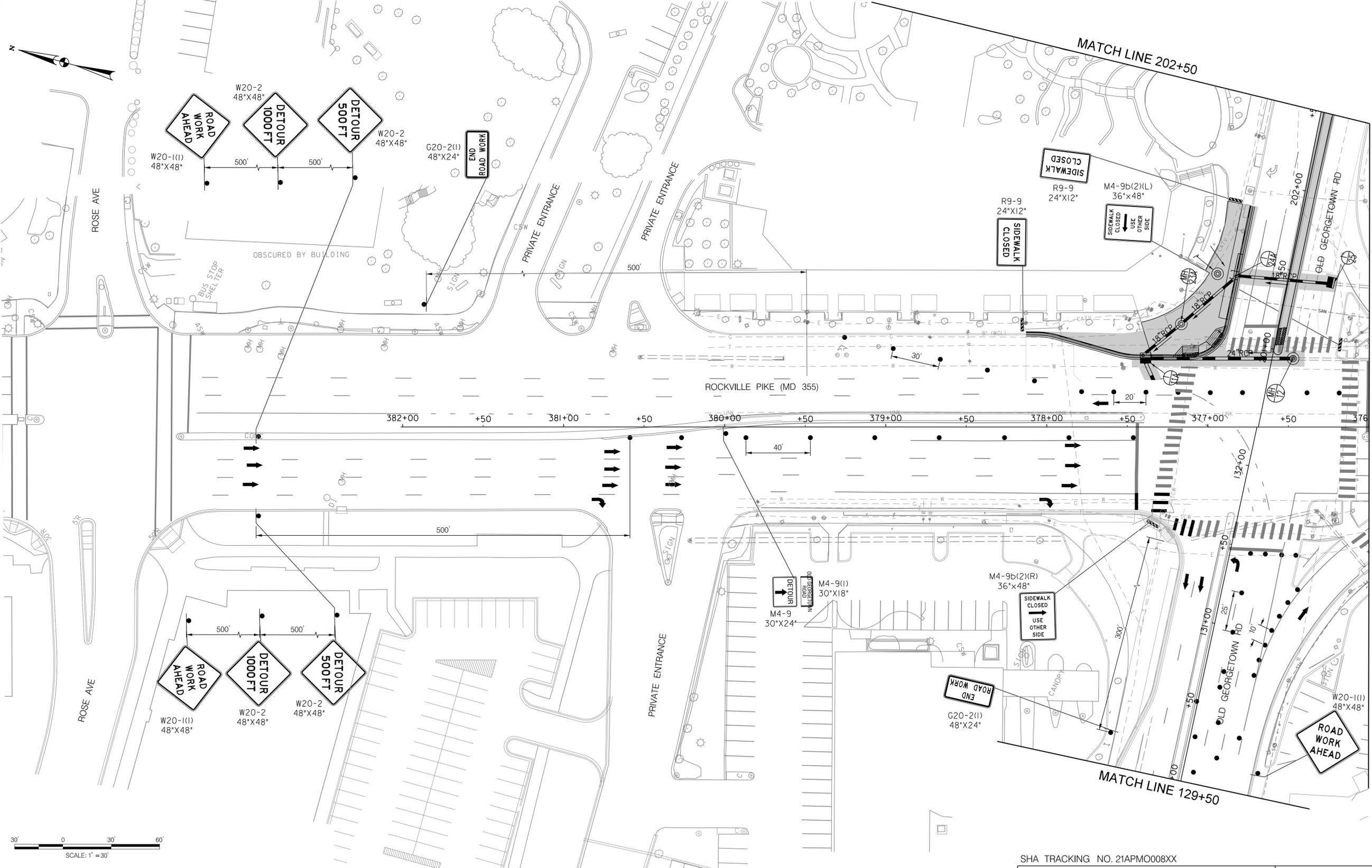
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 4

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 53 of 93

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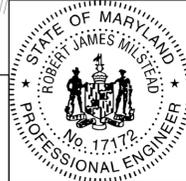


LEGEND

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



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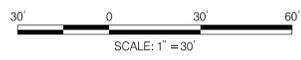
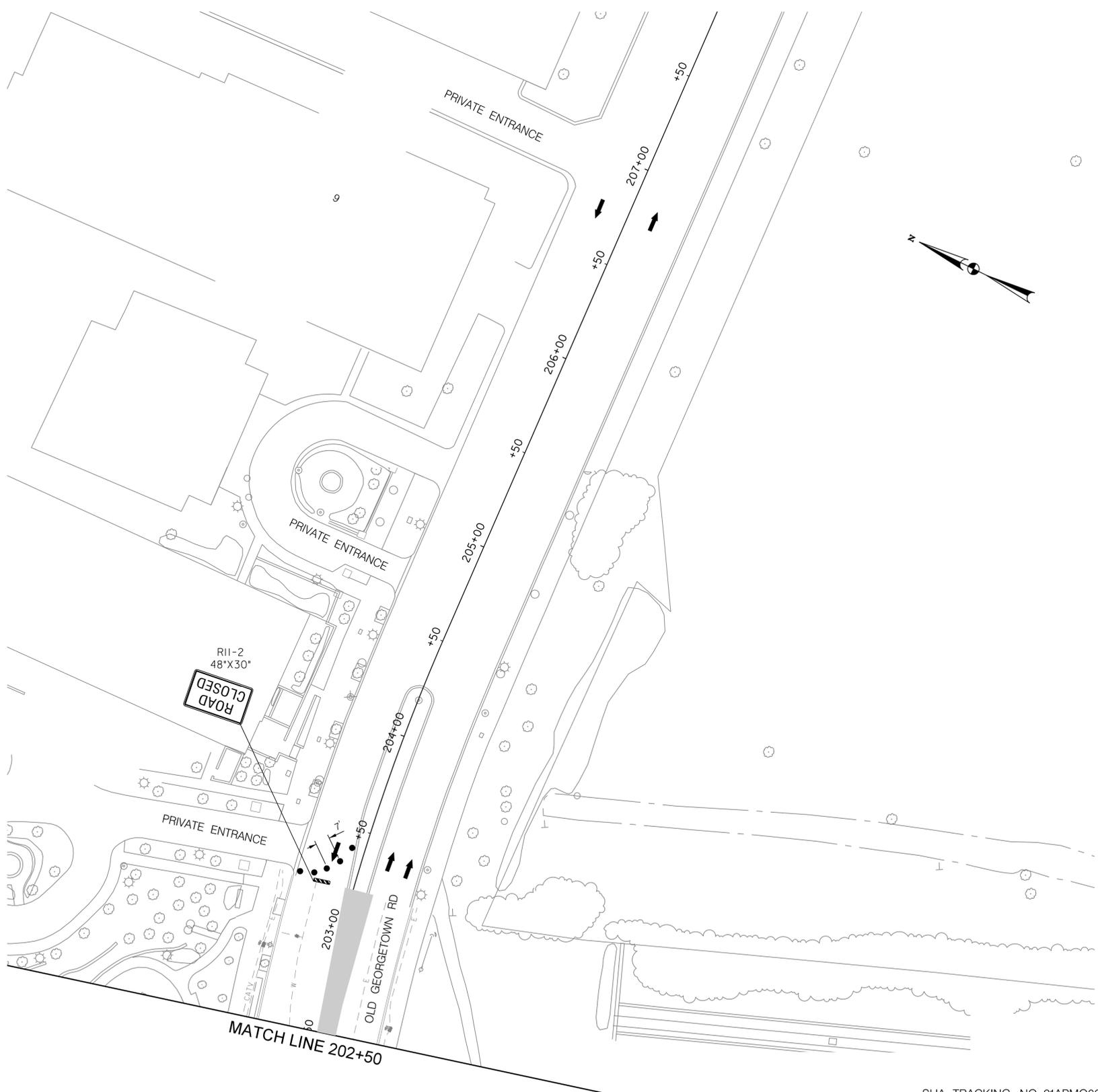
WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 4

SCALE : 1" = 30' DATE : JUNE 2022
 Project No. : 502106 SHEET 54 of 93

MT - 23

6/23/2022 \\us1527-f01\shared-projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P044.dgn

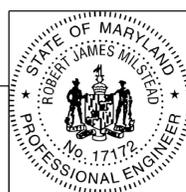


LEGEND

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

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MT - 24

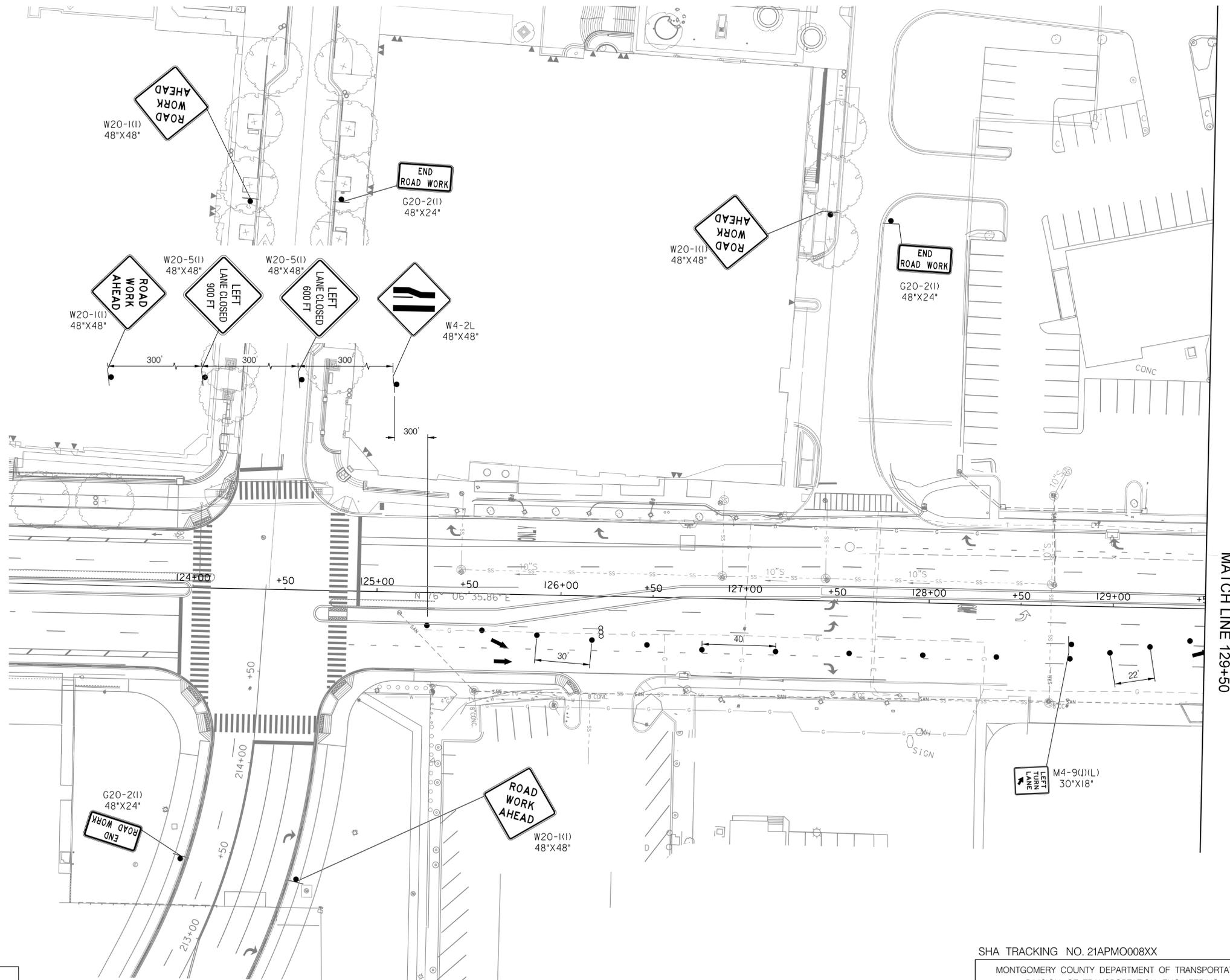
**WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS**

**MAINTENANCE OF TRAFFIC PLAN
PHASE 4**

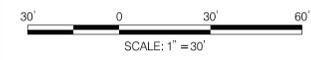
SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 55 of 93

6/23/2022 \\us1527-f01\shared\projects\2026213204\700 CADD\701 Sheet\Phase 2\pMT-P045.dgn



MATCH LINE 129+50

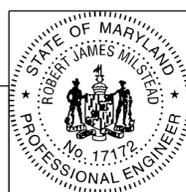


LEGEND

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

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MT - 25

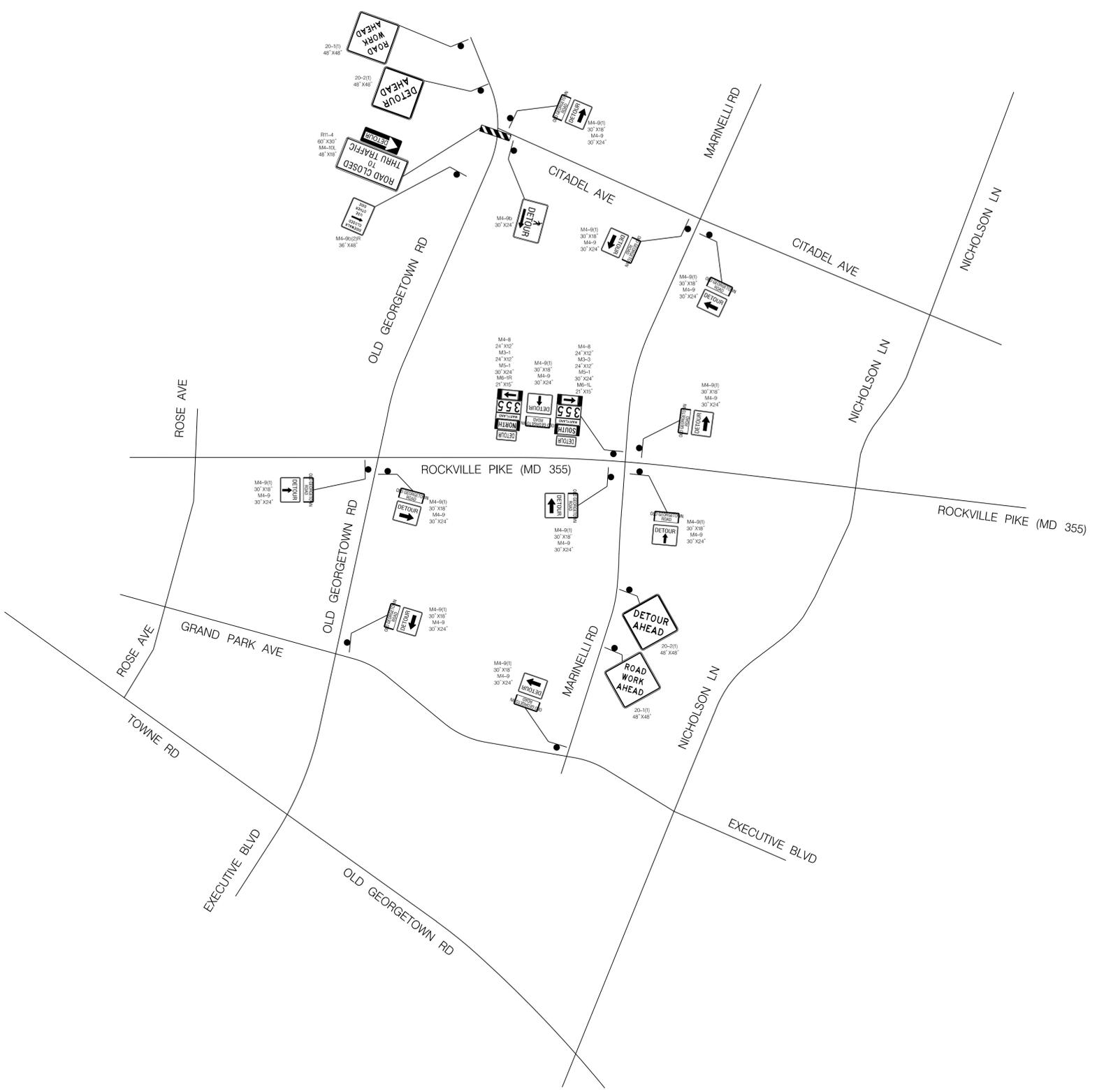
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 4

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 56 of 93

6/23/2022 \\us1527-f01\shared\projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P046.dgn

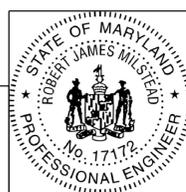


LEGEND

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- TEMPORARY SIGN AND SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▬ WORK SITE
- ⇄ ARROW PANEL
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Designed by: RB Drawn by: JC Checked by: _____

MT - 26

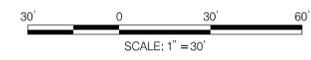
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 4 DETOUR

SCALE : NTS DATE : JUNE 2022

Project No. : 502106 SHEET 57 of 93

6/23/2022 \\us1527-f01\shared_projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P051.dgn

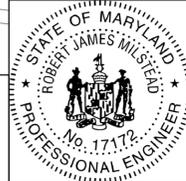


LEGEND

- DRUMS
- TEMPORARY SIGN AND 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



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO008XX

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 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

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 Chief, Division of Transportation Engineering
 Designed by: RB Drawn by: JC Checked by: _____

MT - 27

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

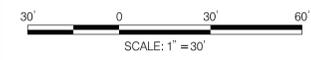
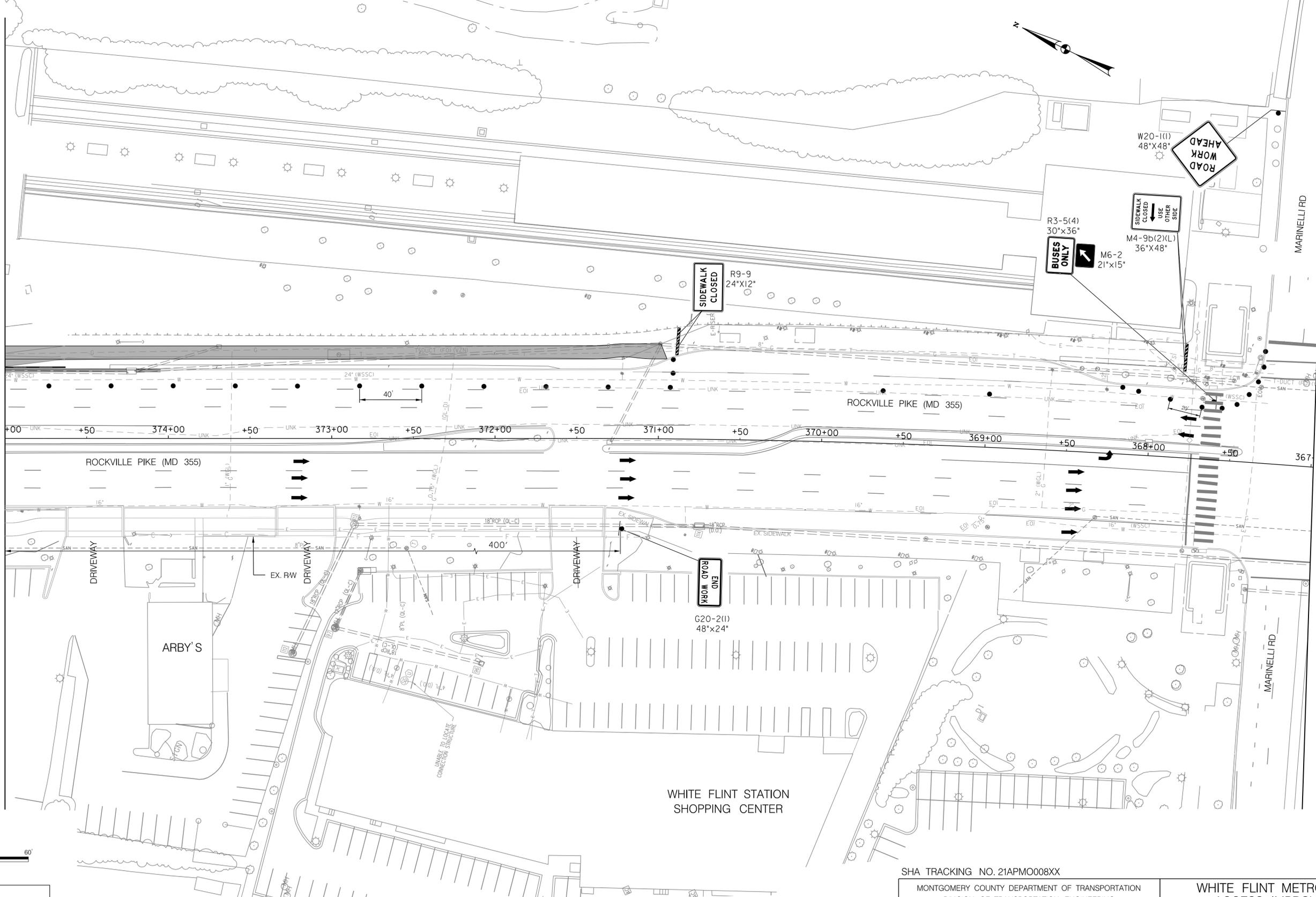
MAINTENANCE OF TRAFFIC PLAN
 PHASE 5

SCALE : 1" = 30' DATE : JUNE 2022
 Project No. : 502106 SHEET 58 of 93

6/23/2022 \\us1527-f01\shared.projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P052.dgn

MATCH LINE SEE 376+00

MATCH LINE 367+00

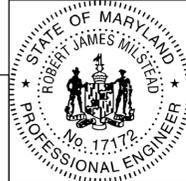


LEGEND

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



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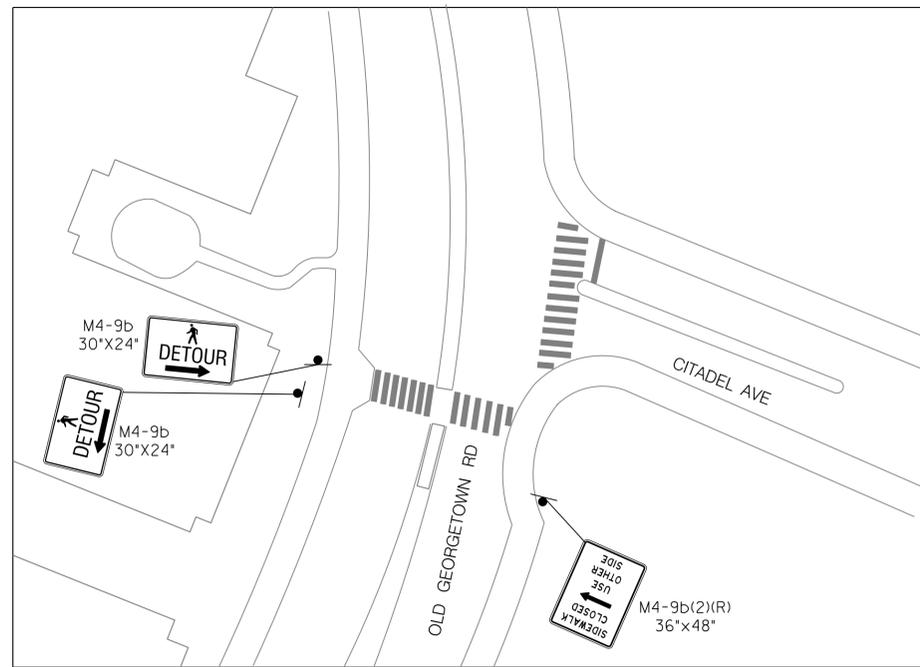
WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 5

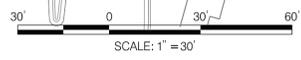
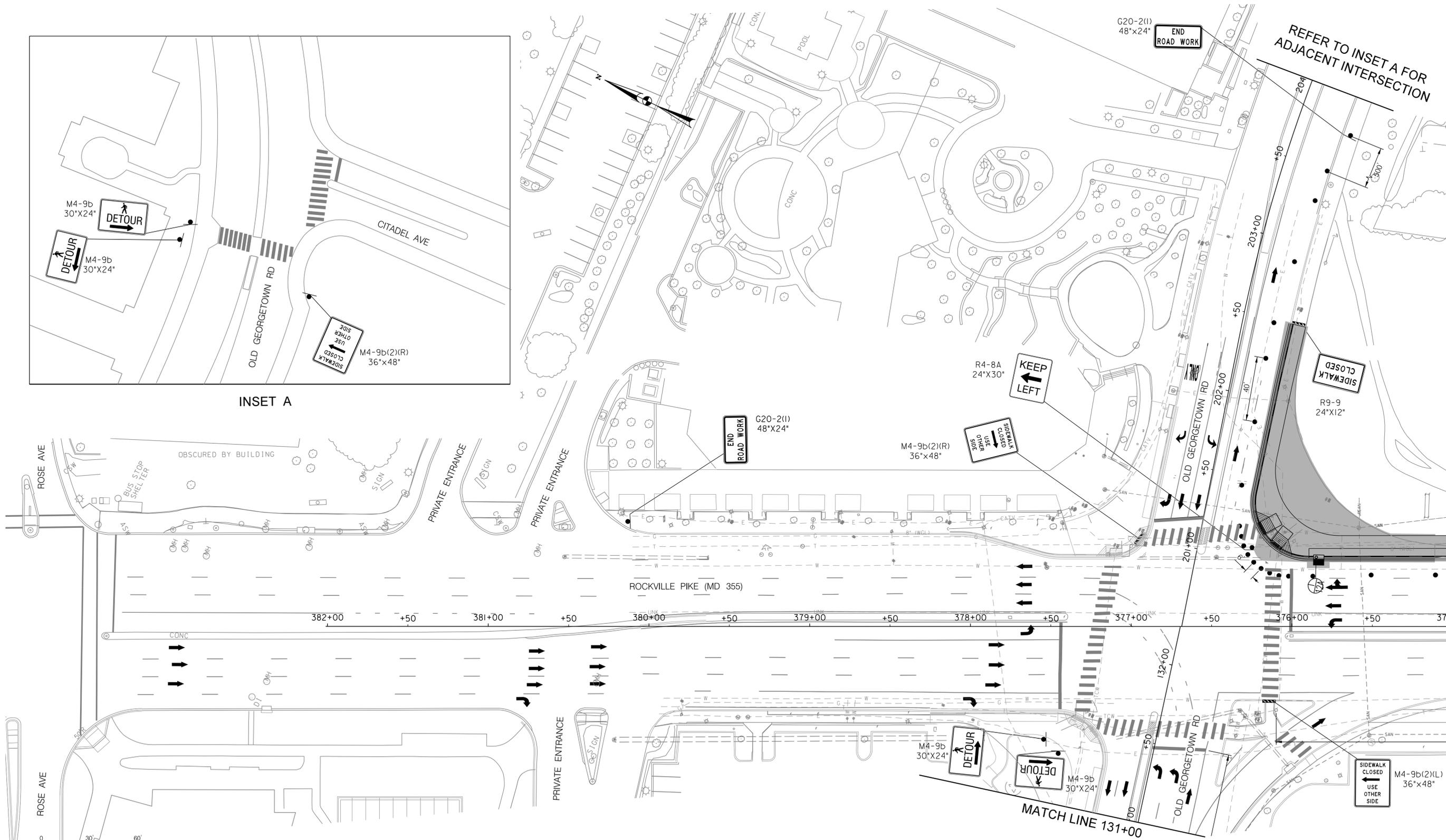
SCALE : 1" = 30' DATE : JUNE 2022
 Project No. : 502106 SHEET 59 of 93

MT - 28

6/23/2022 \\us1527-f01\shared_projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P053.dgn



INSET A

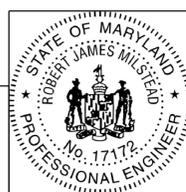


LEGEND

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

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APPROVED
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Chief, Division of Transportation Engineering

Designed by: RB Drawn by: JC Checked by:

MT - 29

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 5

SCALE : 1" = 30' DATE : JUNE 2022

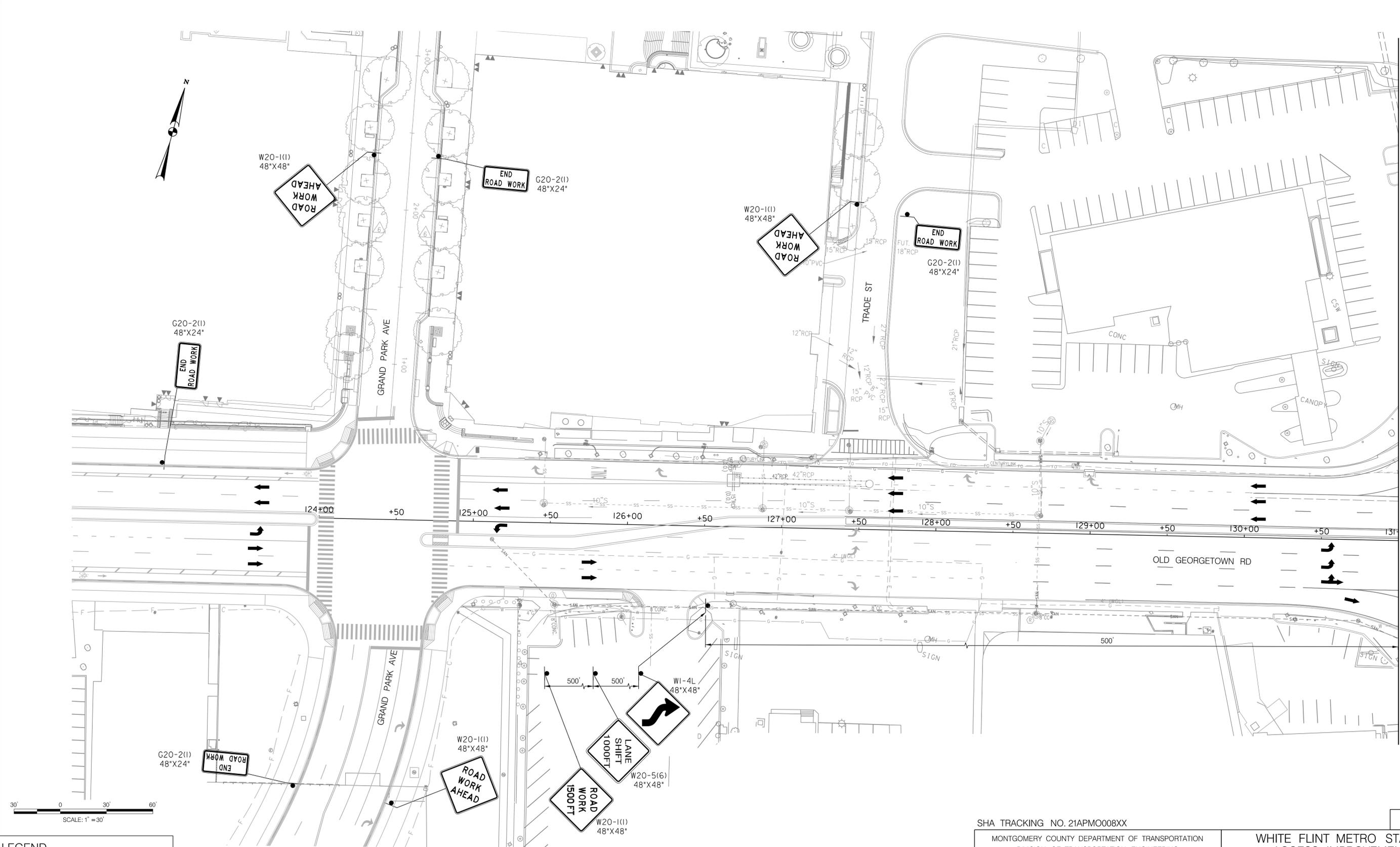
Project No. : 502106 SHEET 60 of 93

MATCH LINE 375+00

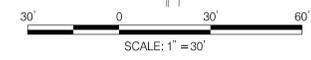
MATCH LINE 131+00

REFER TO INSET A FOR
ADJACENT INTERSECTION

6/23/2022 \\us1527-f01\shared.projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P054.dgn



MATCH LINE 131+00

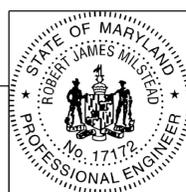


LEGEND

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



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MT - 30

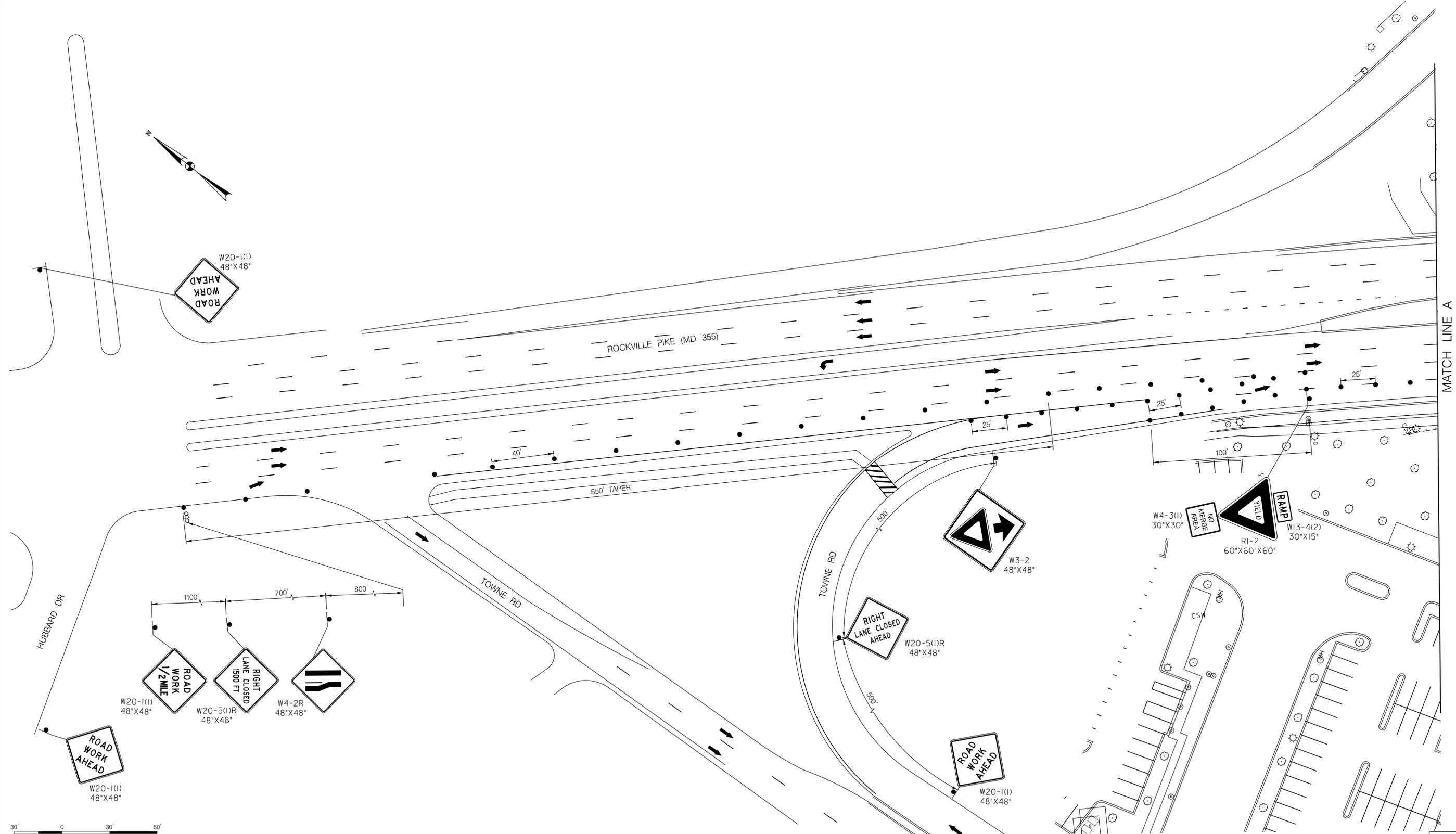
WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 5

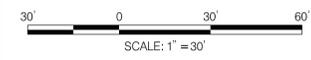
SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 61 of 93

6/23/2022 \\us1527-f01\shared-projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P061.dgn



MATCH LINE A



LEGEND

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



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 Chief, Division of Transportation Engineering
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MT - 31

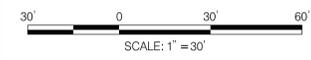
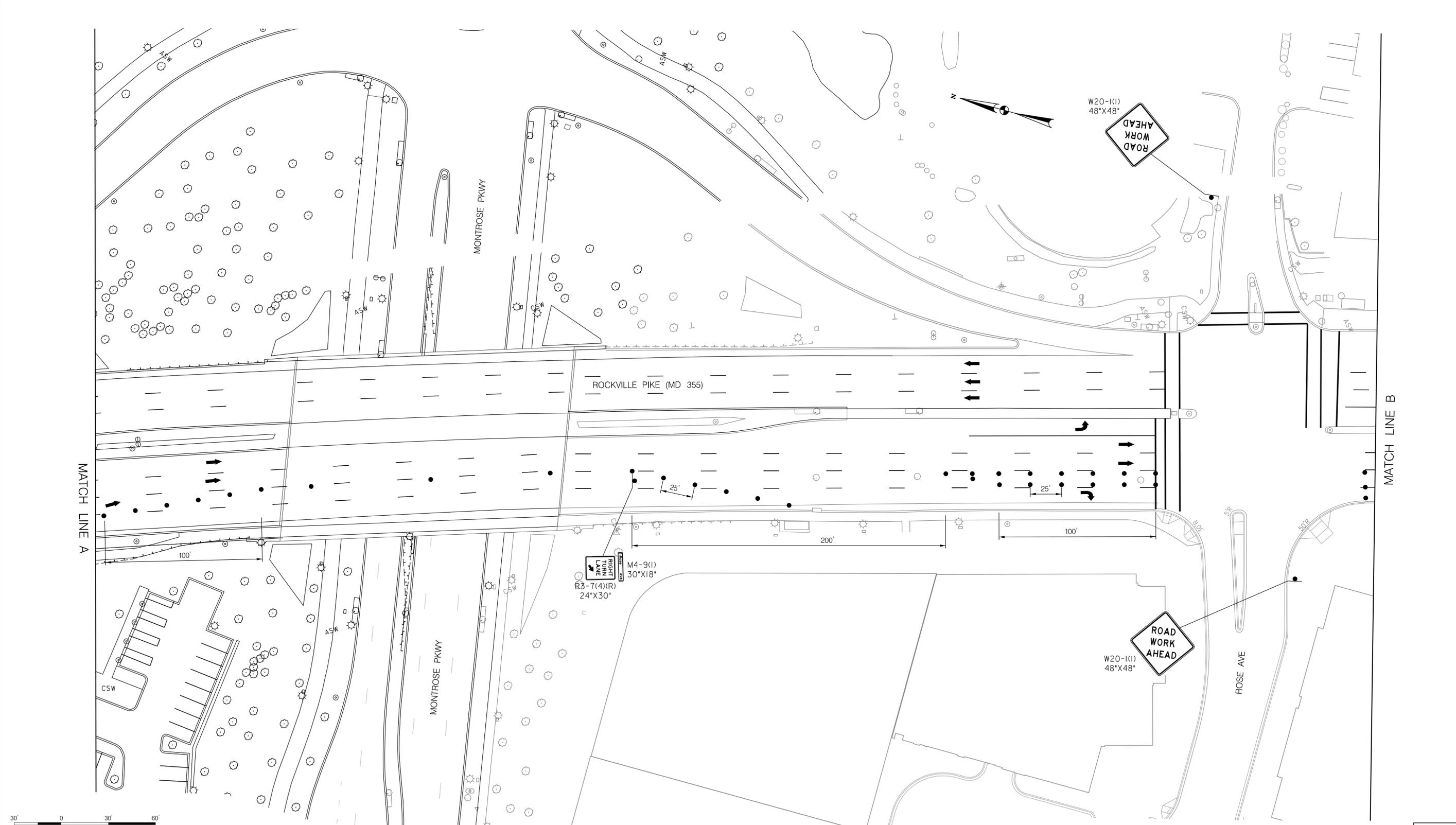
WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 6

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 62 of 93

6/23/2022 \\usf527-f01\shared-projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P062.dgn

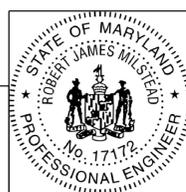


LEGEND

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

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GAITHERSBURG, MARYLAND

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APPROVED
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Chief, Division of Transportation Engineering
Designed by: RB Drawn by: JC Checked by: _____

MT - 32

WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 6

SCALE : 1" = 30' DATE : JUNE 2022

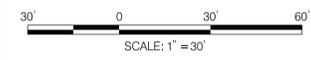
Project No. : 502106 SHEET 63 of 93

6/23/2022 \\us1527-f01\shared.projects\2026213204\700 CADD\701 Sheet\Phase 2\pMT-P063.dgn

MATCH LINE B

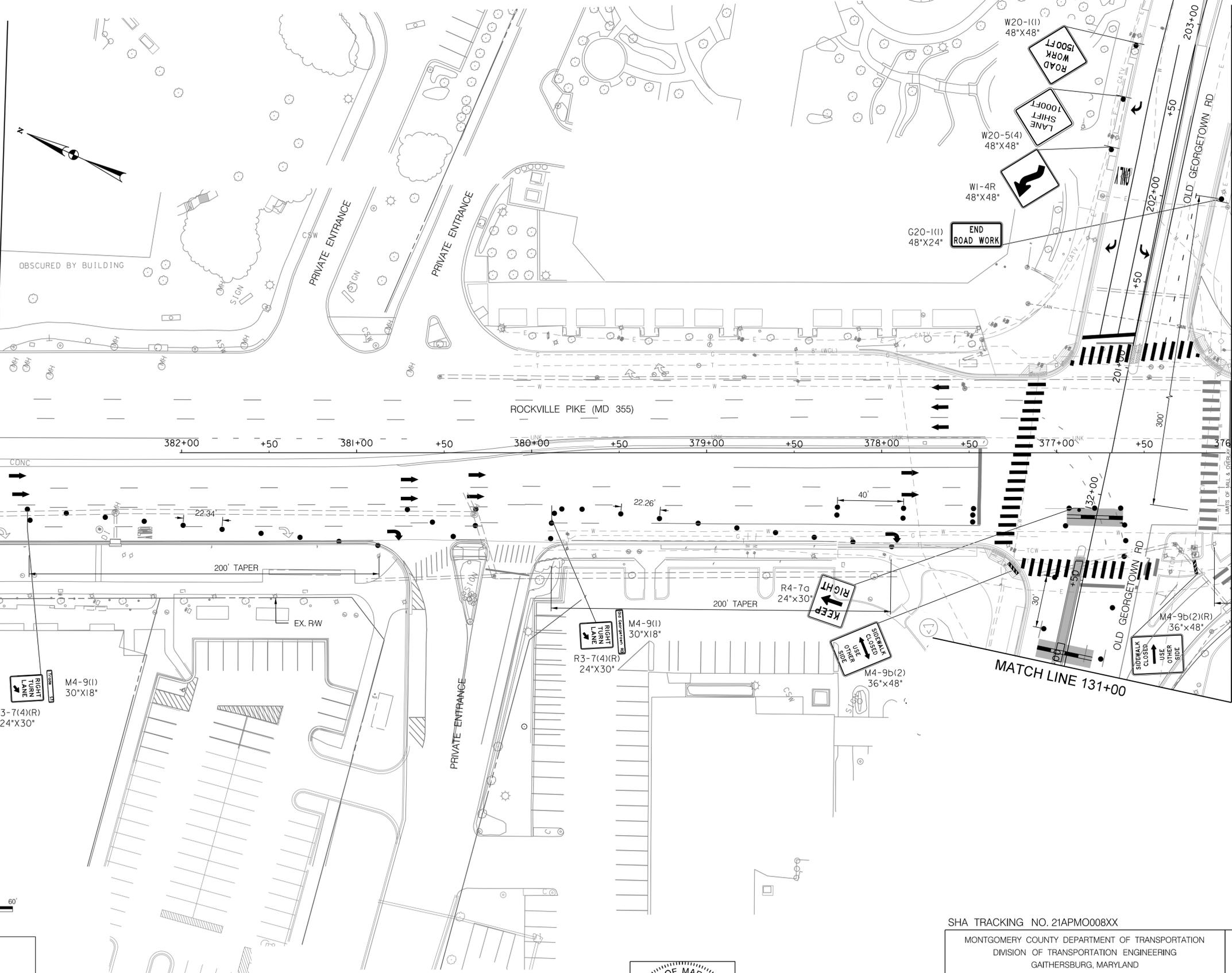
MATCH LINE 376+00

MATCH LINE 131+00



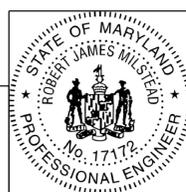
LEGEND

- DRUMS
- TEMPORARY SIGN AND SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▭ WORK SITE
- ⇄ ARROW PANEL
- ▩ TYPE III BARRICADE



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Chief, Division of Transportation Engineering

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MT - 33

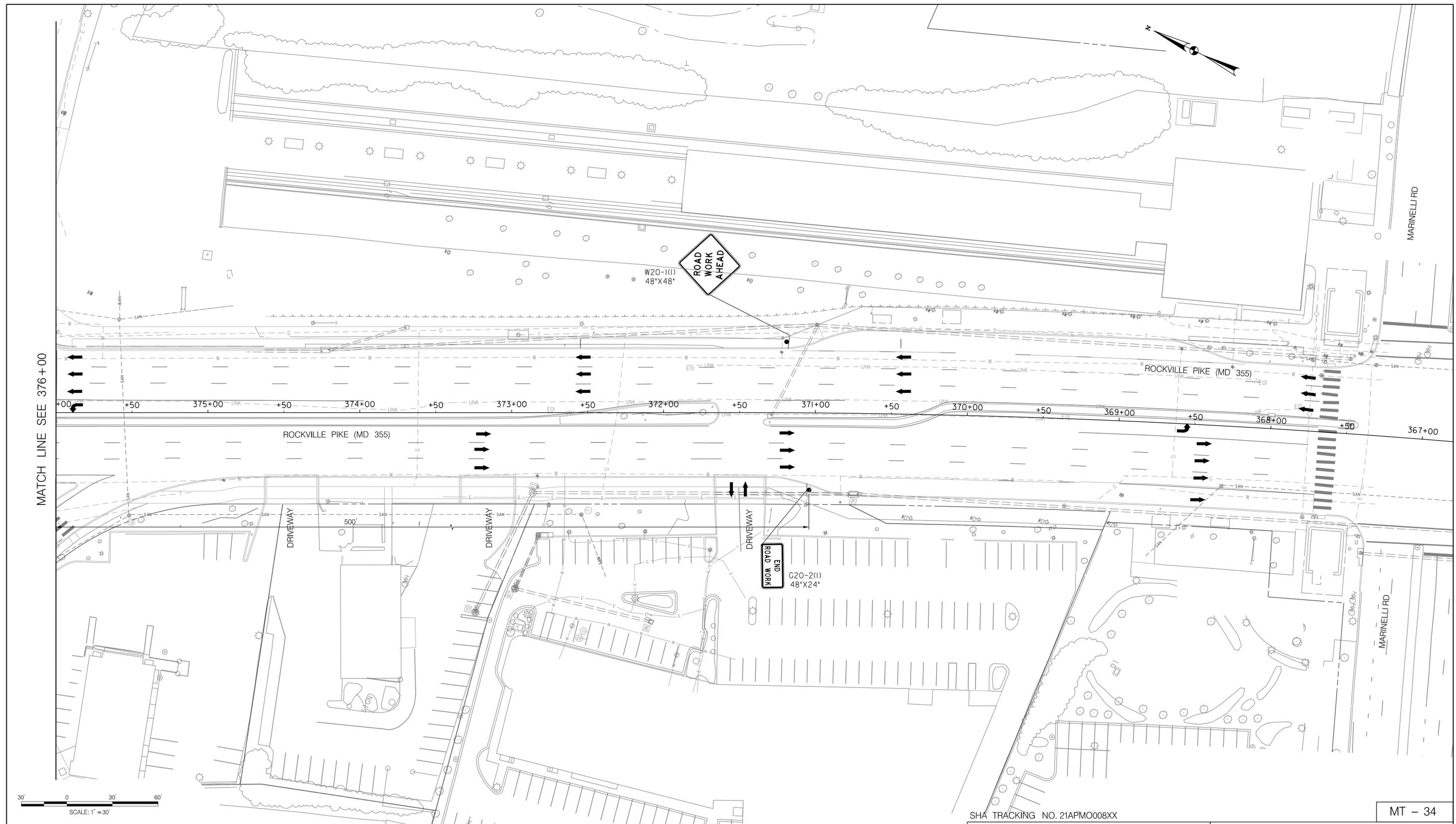
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 6

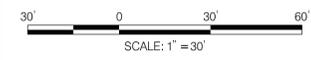
SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 64 of 93

6/23/2022 \\us1527-f01\shared\projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P064.dgn



MATCH LINE SEE 376+00

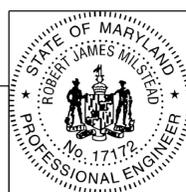


LEGEND

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

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 Chief, Design Section Date

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 Chief, Division of Transportation Engineering Date

Designed by: RB Drawn by: JC Checked by:

MT - 34

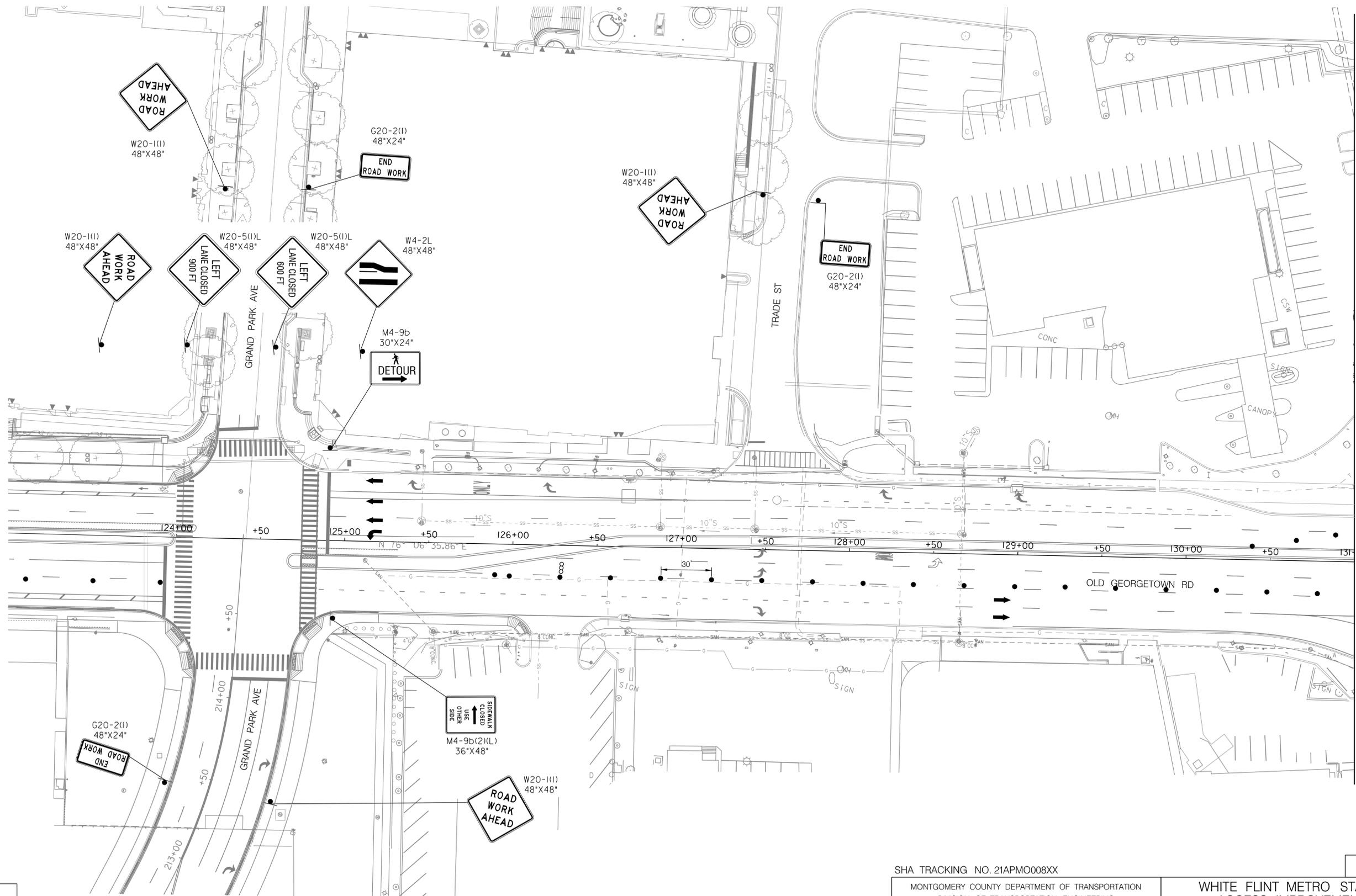
WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 6

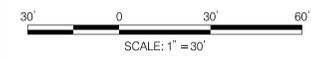
SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 65 of 93

6/23/2022 \\us1527-f01\shared.projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P065.dgn



MATCH LINE 131+00

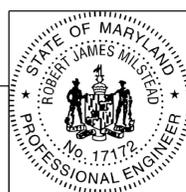


LEGEND

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

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Chief, Division of Transportation Engineering

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MT - 35

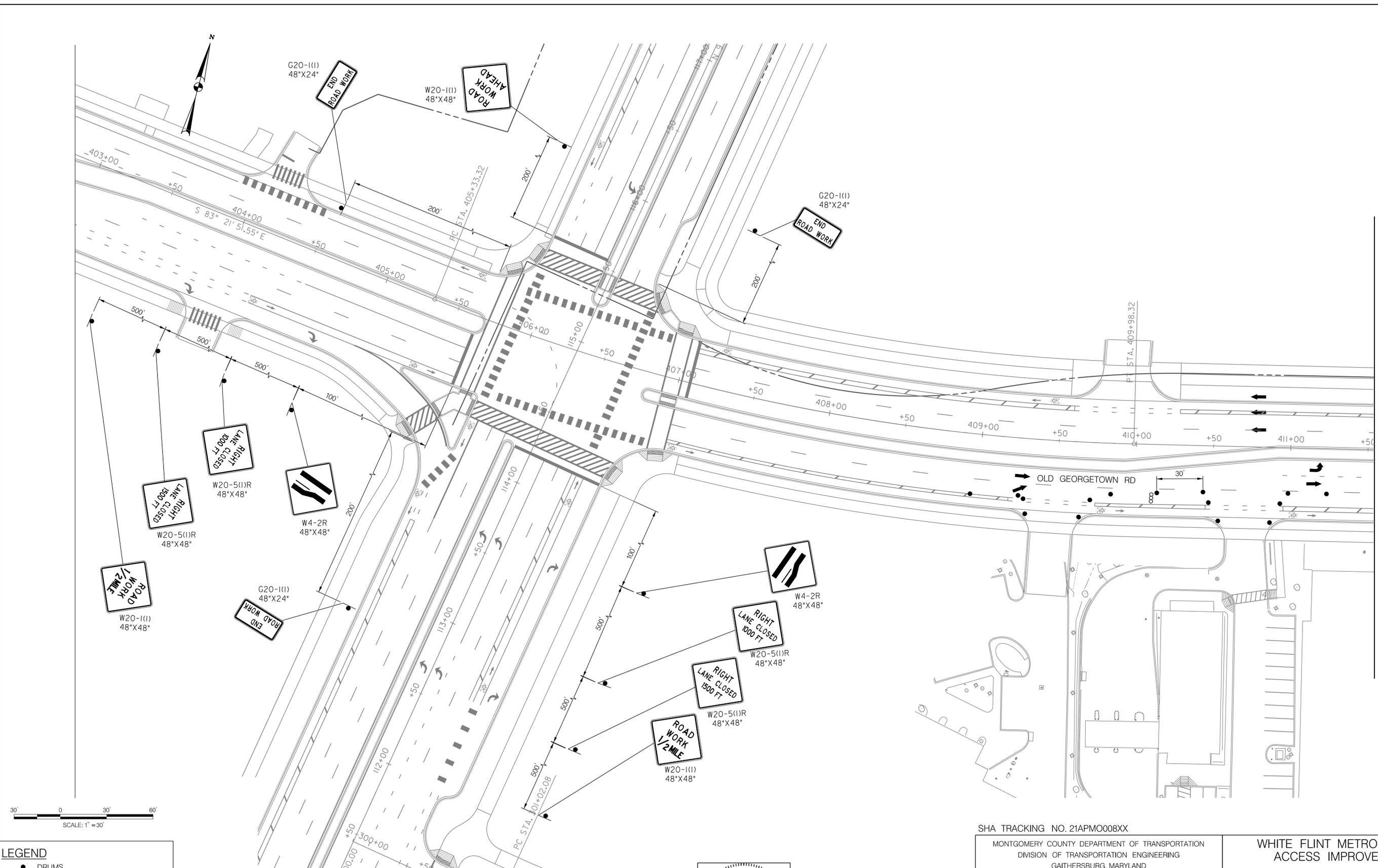
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 6

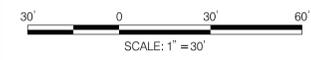
SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 66 of 93

6/23/2022 \\us1527-f01\shared.projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P066.dgn



MATCH LINE C

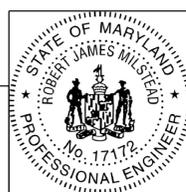


LEGEND

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

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APPROVED

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

MT - 36

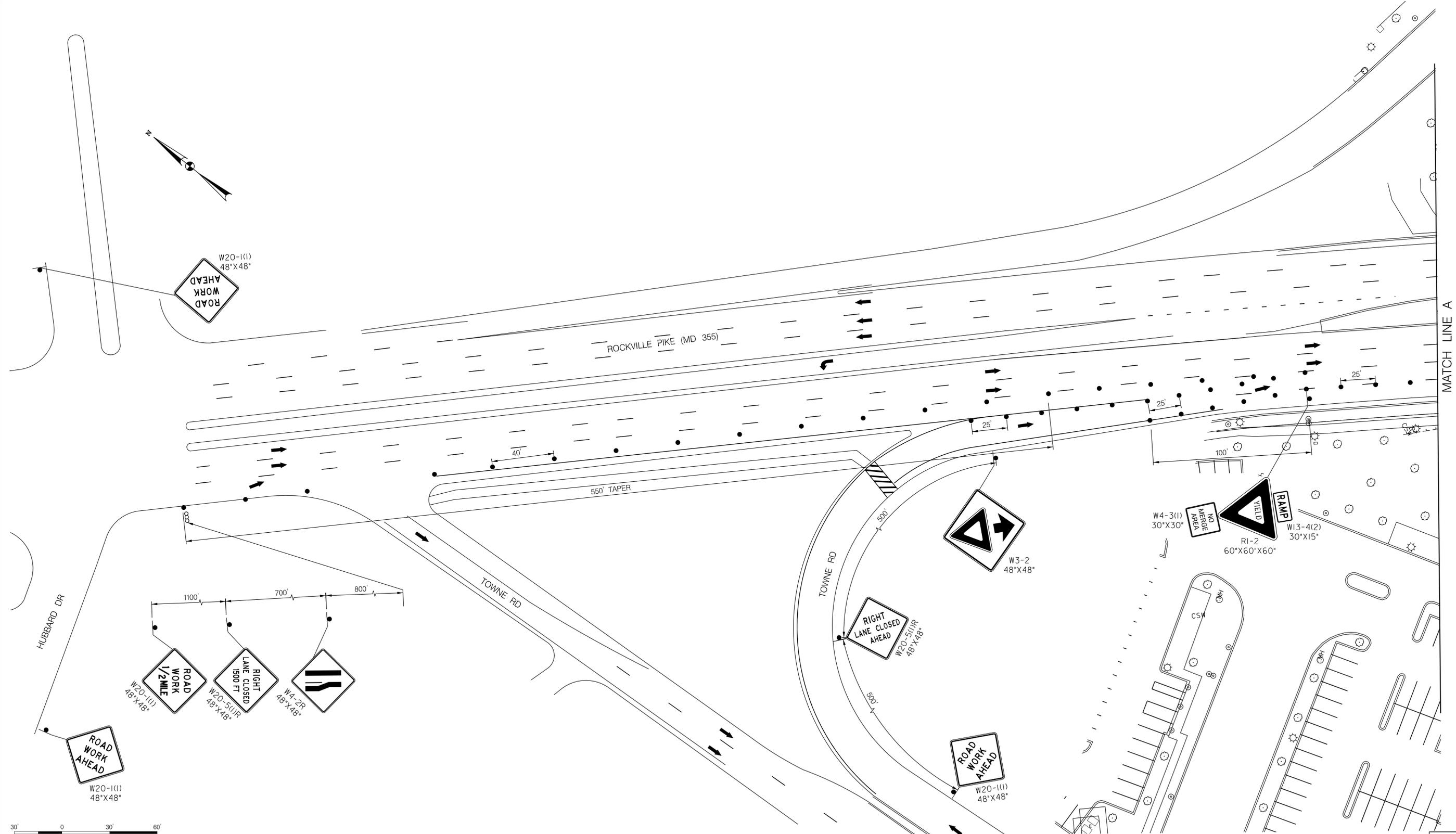
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 6

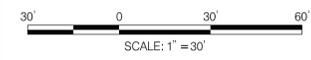
SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 67 of 93

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MATCH LINE A



LEGEND

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



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 Chief, Design Section
 APPROVED
 SEE TITLE SHEET FOR SIGNATURES
 Chief, Division of Transportation Engineering
 Designed by: RB Drawn by: JC Checked by:

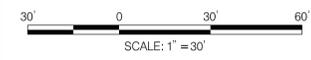
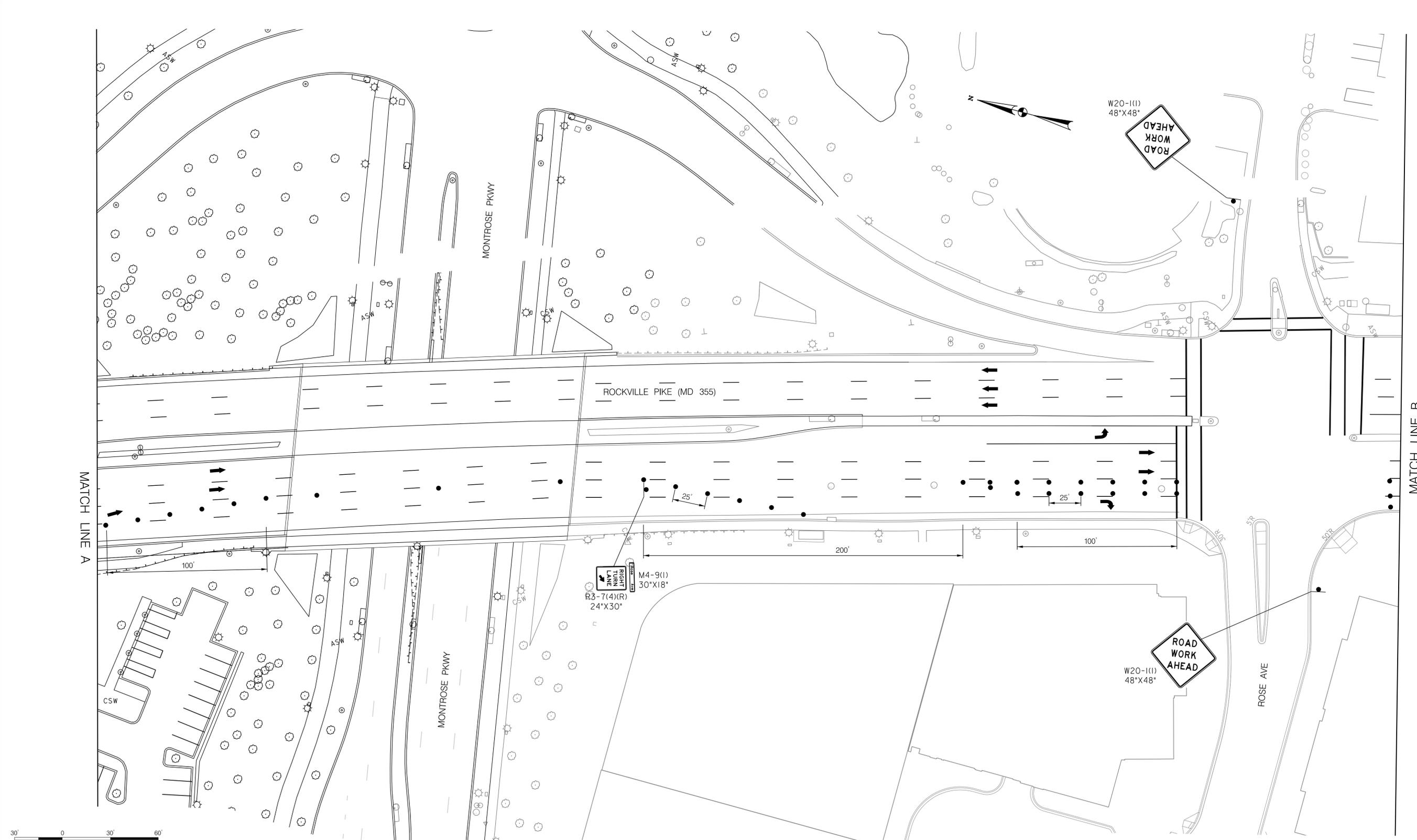
MT - 37

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 7

SCALE : 1" = 30' DATE : JUNE 2022
 Project No. : 502106 SHEET 68 of 93

6/23/2022 \\us1527-f01\shared.projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P072.dgn

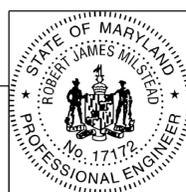


LEGEND

- DRUMS
- ⊙ TEMPORARY SIGN AND SUPPORT
- ↑ DIRECTION OF TRAFFIC
- ▭ WORK SITE
- ⇄ ARROW PANEL
- ▬ TYPE III BARRICADE

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 LICENSE NO: 17172 EXPIRATION DATE: 12-12-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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

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

MT - 38

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 7

SCALE : 1" = 30' DATE : JUNE 2022

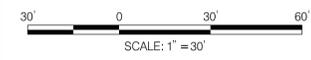
Project No. : 502106 SHEET 69 of 93

6/23/2022 \\us1527-f01\shared.projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P073.dgn

MATCH LINE B

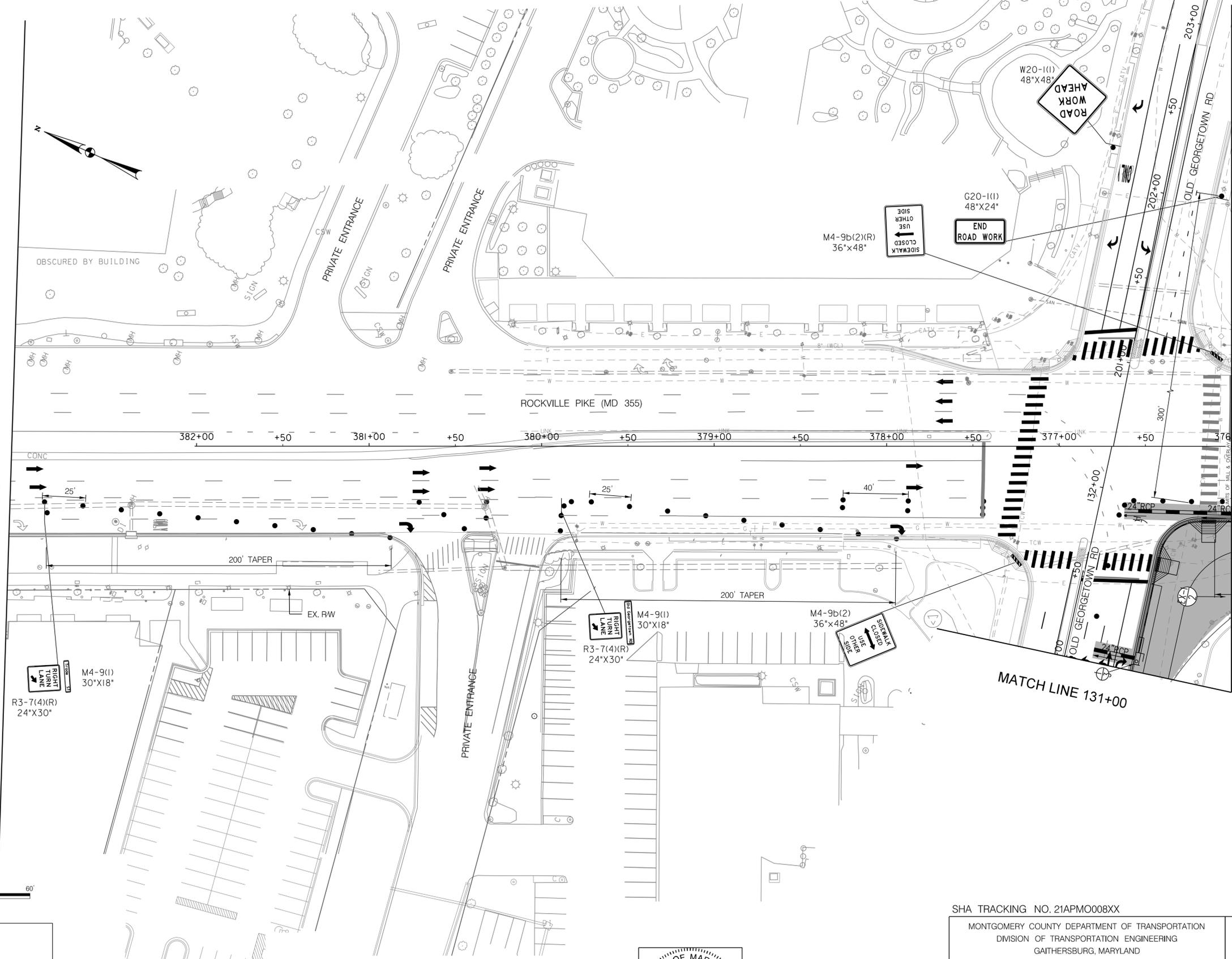
MATCH LINE 376+00

MATCH LINE 131+00



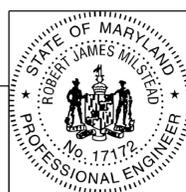
LEGEND

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



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(301) 982-2900
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Chief, Division of Transportation Engineering

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MT - 39

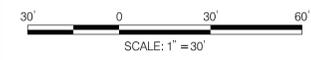
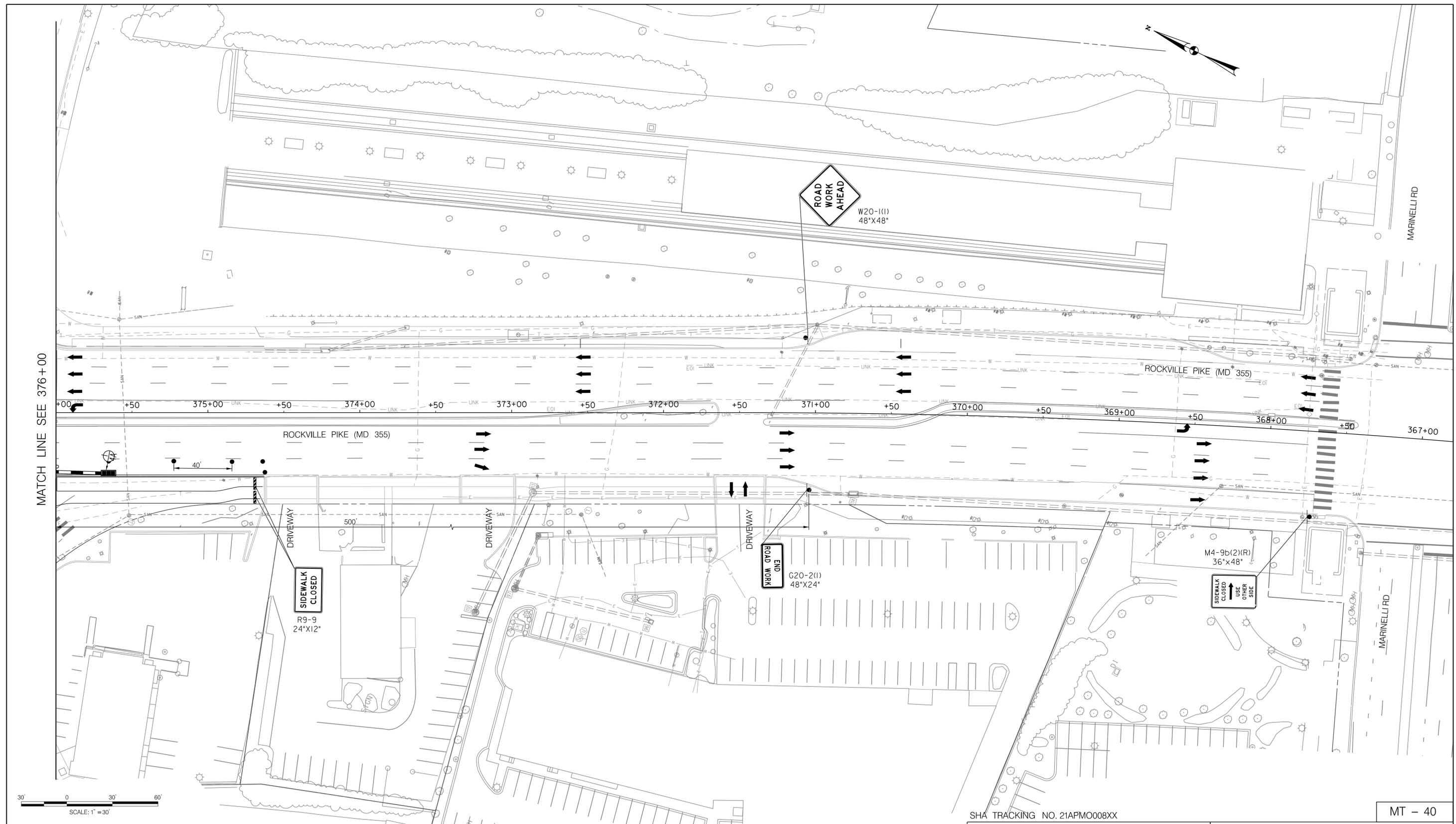
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 7

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 70 of 93

6/23/2022 \\usf527-f01\shared\projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P074.dgn

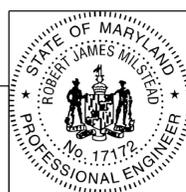


LEGEND

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 Chief, Division of Transportation Engineering

Designed by: RB Drawn by: JC Checked by: _____

MT - 40

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 7

SCALE : 1" = 30' DATE : JUNE 2022

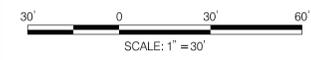
Project No. : 502106 SHEET 71 of 93

6/23/2022 \\usf527-f01\shared\projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P075.dgn



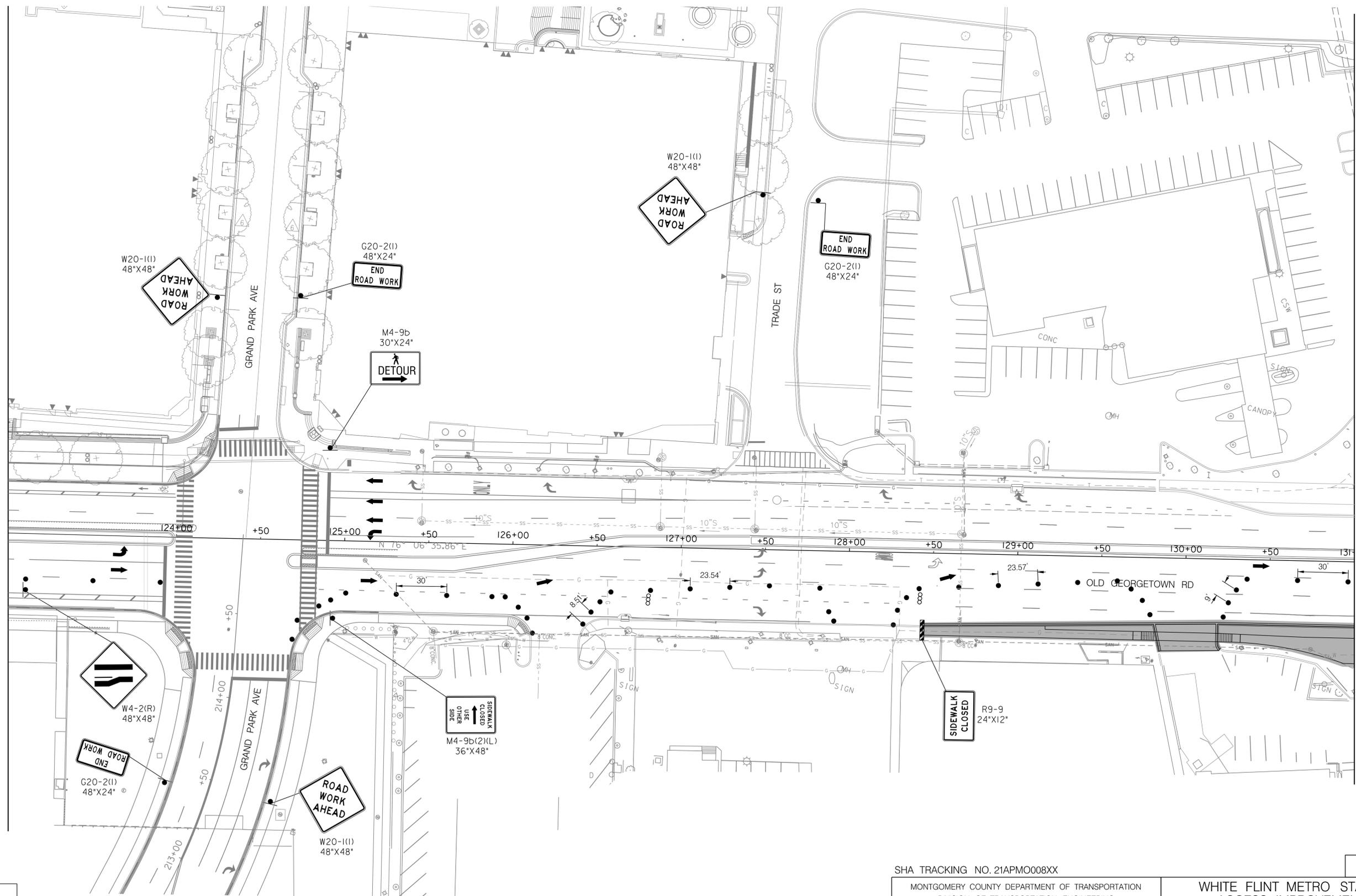
MATCH LINE C

MATCH LINE 131+00



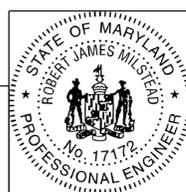
LEGEND

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SHA TRACKING NO. 21APMO008XX

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

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Chief, Design Section

APPROVED

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Chief, Division of Transportation Engineering

Designed by: RB Drawn by: JC Checked by: _____

MT - 41

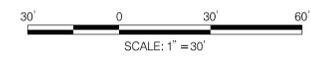
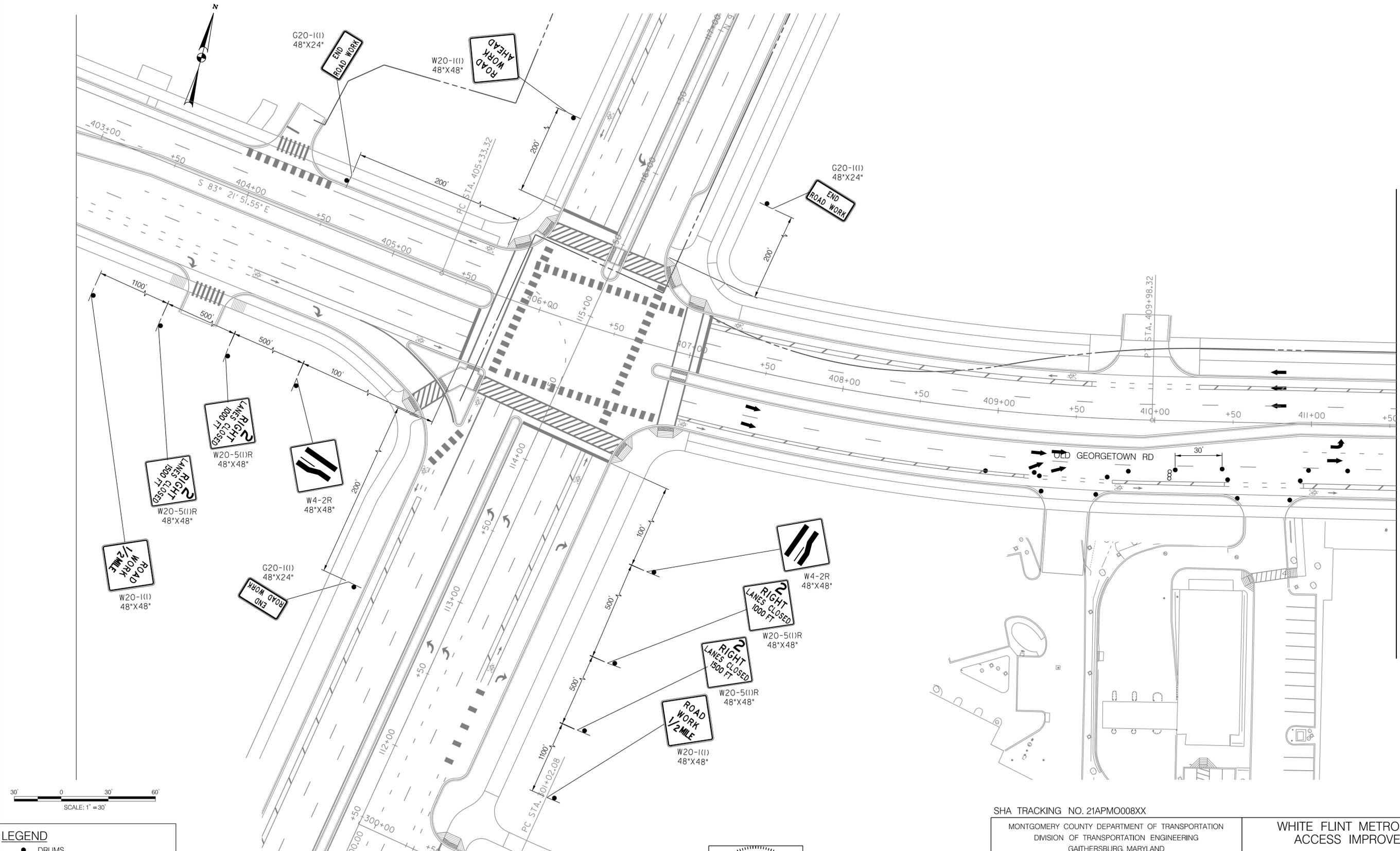
WHITE FLINT METRO STATION
ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
PHASE 7

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 72 of 93

6/23/2022 \\us1527-f01\shared.projects\2026213204\700_CADD\701_Sheet\Phase 2\pMT-P076.dgn

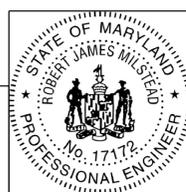


LEGEND

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NO.	REVISION	DATE	BY

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

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

APPROVED

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

Designed by: RB Drawn by: JC Checked by: _____

MT - 42

WHITE FLINT METRO STATION
 ACCESS IMPROVEMENTS

MAINTENANCE OF TRAFFIC PLAN
 PHASE 7

SCALE : 1" = 30' DATE : JUNE 2022

Project No. : 502106 SHEET 73 of 93

MATCH LINE C

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

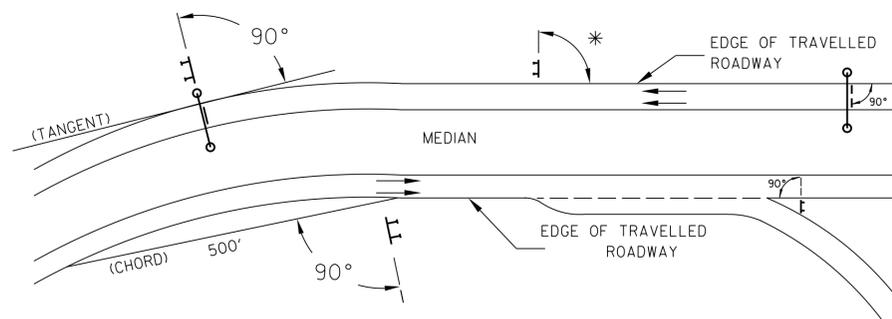
IDENTIFICATION OF SIGNS AND PANELS

- 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/oofs/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 (OPL).

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:

Table with columns: LONGEST DIMENSION, MINIMUM THICKNESS. Rows: UP TO 12", GREATER THAN 12" TO 24", GREATER THAN 24" TO 36", GREATER THAN 36" TO 48", OVER 48".

SHA TRACKING NO. 21APMO08XX

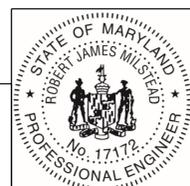
SN - 01

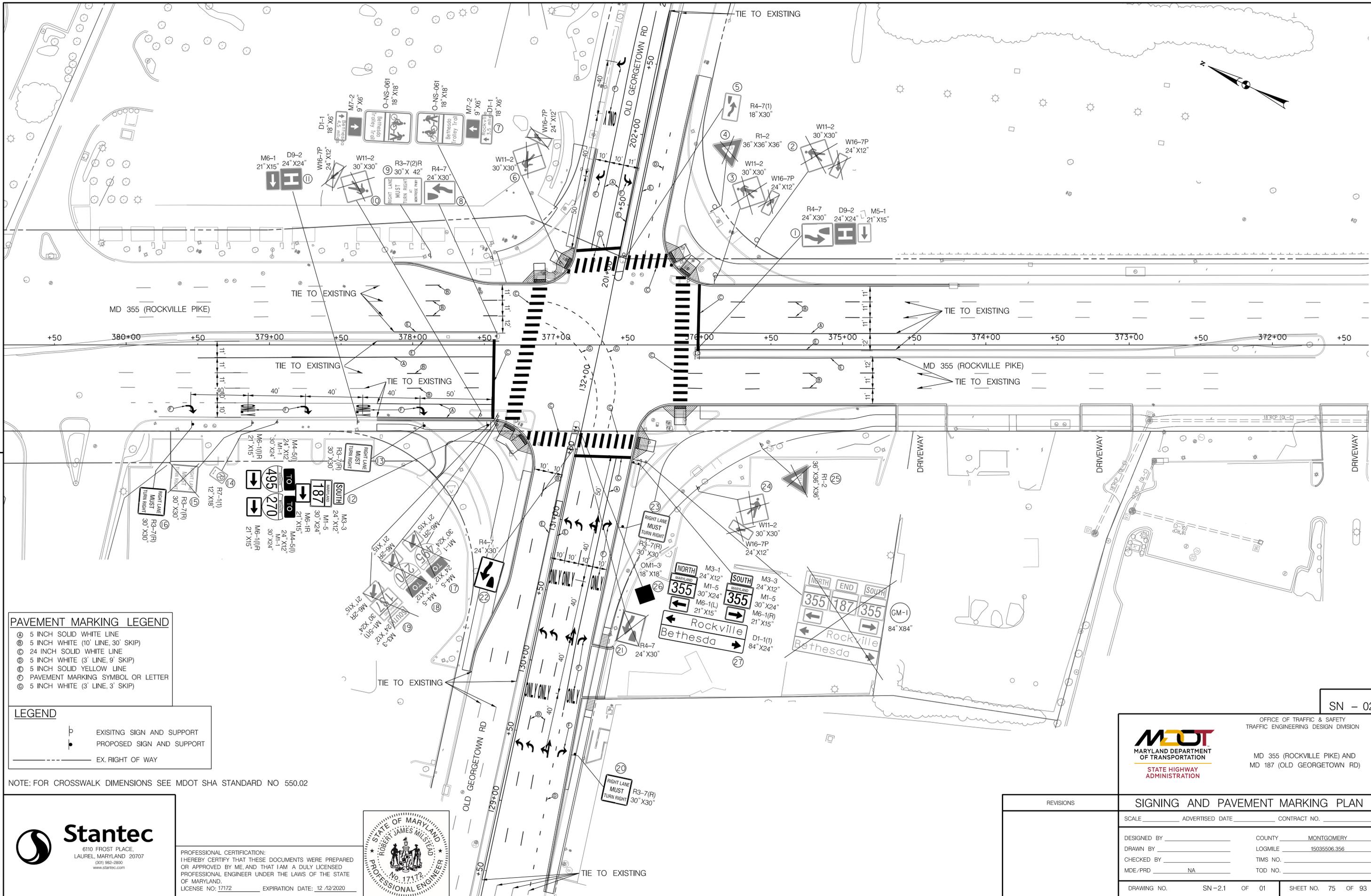
MDOT MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION
MD 355 (ROCKVILLE PIKE) AND MD 187 (OLD GEORGETOWN RD)

Table with columns: APPROVALS, REVISIONS, SIGNING AND PAVEMENT MARKING PLAN. Includes fields for TEAM LEADER, ASST. DIV. CHIEF, DIVISION CHIEF, OFFICE DIRECTOR, SCALE, ADVERTISED DATE, CONTRACT NO., DESIGNED BY, COUNTY, DRAWN BY, LOGMILE, CHECKED BY, TMS NO., MDE/PRD, NA, TOD NO., DRAWING NO., SN-1 OF 1, SHEET NO. 74 OF 93.



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 /12/2020





PAVEMENT MARKING LEGEND

- ④ 5 INCH SOLID WHITE LINE
- ⑤ 5 INCH WHITE (10' LINE, 30' SKIP)
- ⑥ 24 INCH SOLID WHITE LINE
- ⑦ 5 INCH WHITE (3' LINE, 9' SKIP)
- ⑧ 5 INCH SOLID YELLOW LINE
- ⑨ PAVEMENT MARKING SYMBOL OR LETTER
- ⑩ 5 INCH WHITE (3' LINE, 3' SKIP)

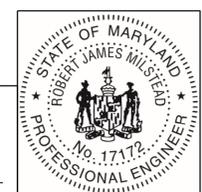
LEGEND

- ⊥ EXISTING SIGN AND SUPPORT
- ⊥ PROPOSED SIGN AND SUPPORT
- EX. RIGHT OF WAY

NOTE: FOR CROSSWALK DIMENSIONS SEE MDOT SHA STANDARD NO 550.02

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SN - 02

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

STATE HIGHWAY
ADMINISTRATION

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

SIGNING AND PAVEMENT MARKING PLAN	
REVISIONS	SCALE _____ ADVERTISED DATE _____ CONTRACT NO. _____
DESIGNED BY _____	COUNTY _____ MONTGOMERY
DRAWN BY _____	LOGMILE _____ 15035506.356
CHECKED BY _____	TIMS NO. _____
MDE/PRD _____ NA	TOD NO. _____
DRAWING NO. SN - 2.1 OF 01	SHEET NO. 75 OF 93

SHEET NO.	REMARKS	CODE NUMBERS *										
		1	2	3	4	5	6	7	8	9	10	
SN-02												
①	R4-7 (24"X30"), D9-2 (24"X24"), M5-1 (21"X15")	EXISTING										
②	W11-2 (30"X30"), W16-7P (24"X12")	EXISTING TO BE REMOVED		8.3								
③	W11-2 (30"X30"), W16-7P (24"X12")	EXISTING TO BE REMOVED		8.3								
④	R1-2 (36"X36"X36")	EXISTING TO BE REMOVED		4.5								
⑤	R4-7(1) (18"X30")	EXISTING										
⑥	W11-2 (30"X30"), W16-7P (24"X12")	EXISTING TO BE REMOVED		8.3								
⑦	Bethesda Trolley Trail (18"X18"), M7-2 (9"X6"), D1-1 (18"X6"), Bethesda Trolley Trail (18"X18"), M7-2 (9"X6"), D1-1 (18"X6")	EXISTING										
⑧	R4-7 (24"X30")	EXISTING										
⑨	R3-7(2)R (36"X36")	EXISTING										
⑩	W11-2 (30"X30"), W16-7P (24"X12")	EXISTING TO BE REMOVED		8.3								
⑪	D9-2 (24"X24"), M6-1 (21"X15")	EXISTING										
⑫	M3-3 (24"X12"), M1-5 (30"X24"), M6-1R (21"X15"), M4-5(1) (24"X12"), M1-1 (30"X24"), M6-1(1)R (21"X15"), M4-5(1) (24"X12"), M1-1 (30"X24"), M6-1(1)R (21"X15")	1 - BREAKAWAY 6' X8' WOOD POST	27.6		22							
⑬	R3-7R (30"X30")	1 - PERFORATED TUBULAR STEEL POST	6.3				1	1				
⑭	R7-1(1) (12"X18")	EXISTING										
⑮	R3-7(R) (30"X30")	EXISTING TO BE REMOVED		6.3								
⑯	R3-7(R) (30"X30")	1 - PERFORATED TUBULAR STEEL POST	6.3				1	1				
⑰	M4-5 (24"X12"), M1-1 (30"X24"), M6-2R (21"X15")	EXISTING TO BE REMOVED		9.2								
⑱	M4-5 (24"X12"), M1-1 (30"X24"), M6-2R (21"X15")	EXISTING TO BE REMOVED		9.2								
⑲	M3-3 (24"X12"), M1-5(1) (30"X24"), M6-2R (21"X15")	EXISTING TO BE REMOVED		9.2								
⑳	R3-7(R) (30"X30")	1 - PERFORATED TUBULAR STEEL POST	6.3				1	1				
㉑	R4-7 (24"X30")	EXISTING TO BE REMOVED		5								
㉒	R4-7 (24"X30")	1 - PERFORATED TUBULAR STEEL POST	5				1	1				
㉓	R3-7(R) (30"X30")	1 - PERFORATED TUBULAR STEEL POST	6.3				1	1				
㉔	W11-2 (30"X30"), W16-7P (24"X12")	EXISTING TO BE REMOVED		8.3								
㉕	R1-2 (36"X36"X36")	EXISTING TO BE REMOVED		4.5								
㉖	OMI-3 (18"X18")	1 - PERFORATED TUBULAR STEEL POST	2.3				1	1				
㉗	M3-1 (24"X12"), M1-5 (30"X24"), M6-1L (21"X15"), M3-3 (24"X12"), M1-5 (30"X24"), M6-1(1)R (21"X15"), D1-1(1) (84"X24")	2 - BREAKAWAY 4' X6' WOOD POSTS	32.5			38						
GMI	(84"X84")	EXISTING TO BE REMOVED		49								
	PAVEMENT MARKINGS							1432	1257	806	481	
	TOTAL		92.6	138.4	22	38	6	6	1432	1257	806	481

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	BREAKWAY WOOD SIGN SUPPORTS 4'X6"	L.F.
5	F&I SQUARE PERFORATED TUBULAR STEEL POST	E.A.
6	F&I ANCHOR BASES FOR SQUARE PERFORATED TUBULAR STEEL POST	E.A.
7	5 INCH WHITE THERMOPLASTIC PAVEMENT MARKINGS	L.F.
8	5 INCH YELLOW THERMOPLASTIC PAVEMENT MARKINGS	L.F.
9	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS	L.F.
10	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS	S.F.

OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION



MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

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

SIGNING & PAVEMENT MARKING QUANTITIES	
SCALE _____ ADVERTISED DATE _____ 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. 76 OF 93



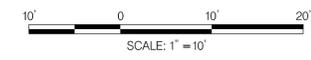
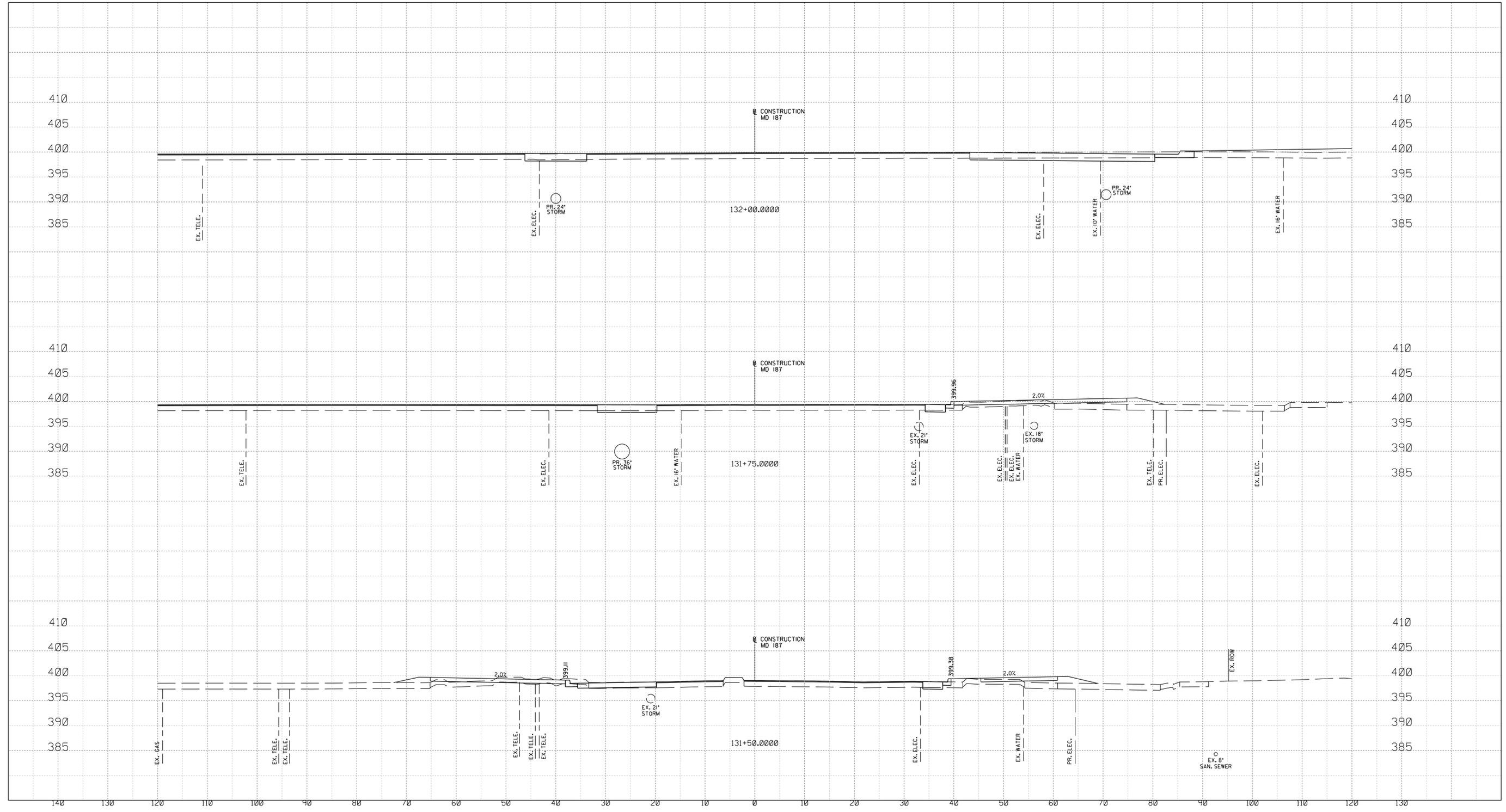
6110 FROST PLACE,
LAUREL, MARYLAND 20707
(301) 962-2800
www.stantec.com

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: 17172 EXPIRATION DATE: 12/12/2020



BY: rmmilstead

6/23/2022
 UA\2026213204\700 CADD\701 Sheet\Phase 2\pHC-X001_WFMeTrc.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: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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 _____

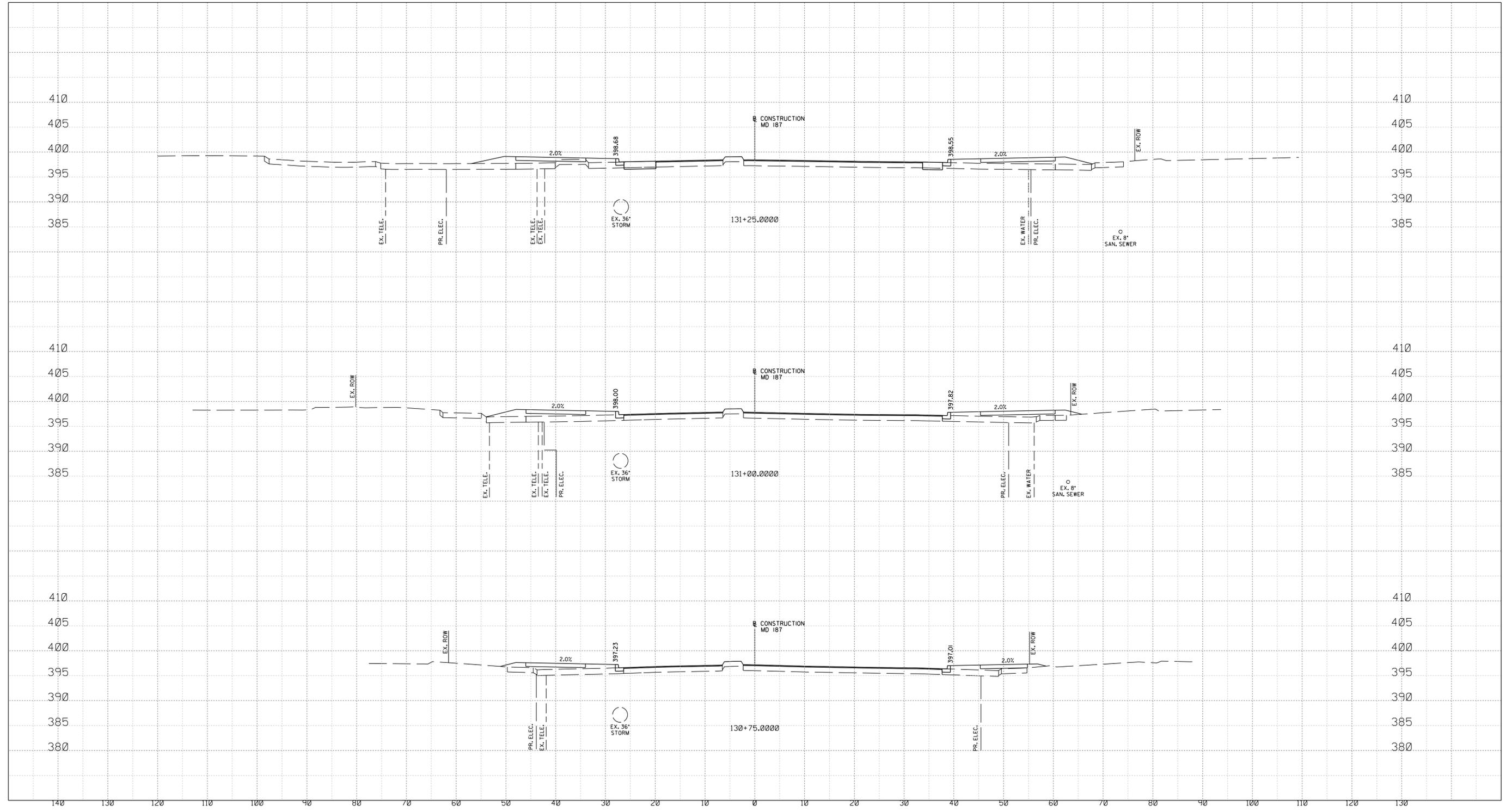
Designed by: _____ Drawn by: _____ Checked by: _____

XS-17

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022
 Project No. : 502106 SHEET 93 of 93

6/23/2022 UA\2026213204\700 CADD\701 Sheet\Phase 2\pHC-X001_WFMetro.dgn



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 GAITHERSBURG, MARYLAND

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Chief, Division of Transportation Engineering _____ Date _____

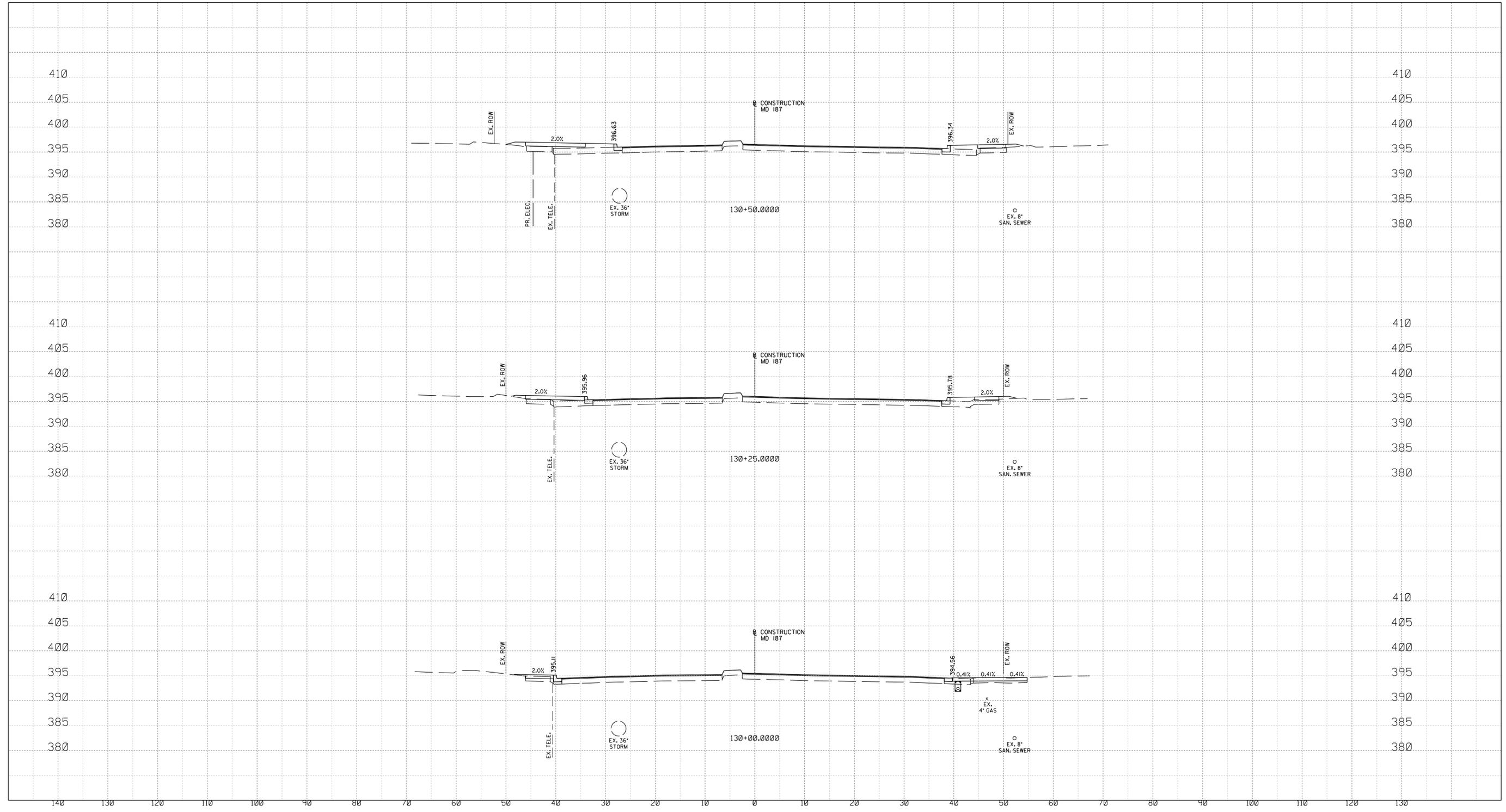
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WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022
 Project No. : 502106 SHEET 92 of 93

XS-16

6/23/2022 UA\2026213204\700 CADD\701 Sheet\Phase 2\pHC-X001_WFMeTrc.dgn



PROFESSIONAL CERTIFICATION:
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 LICENSE NO: 28255 EXPIRATION DATE: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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 GAITHERSBURG, MARYLAND

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 APPROVED

Chief, Division of Transportation Engineering _____ Date _____

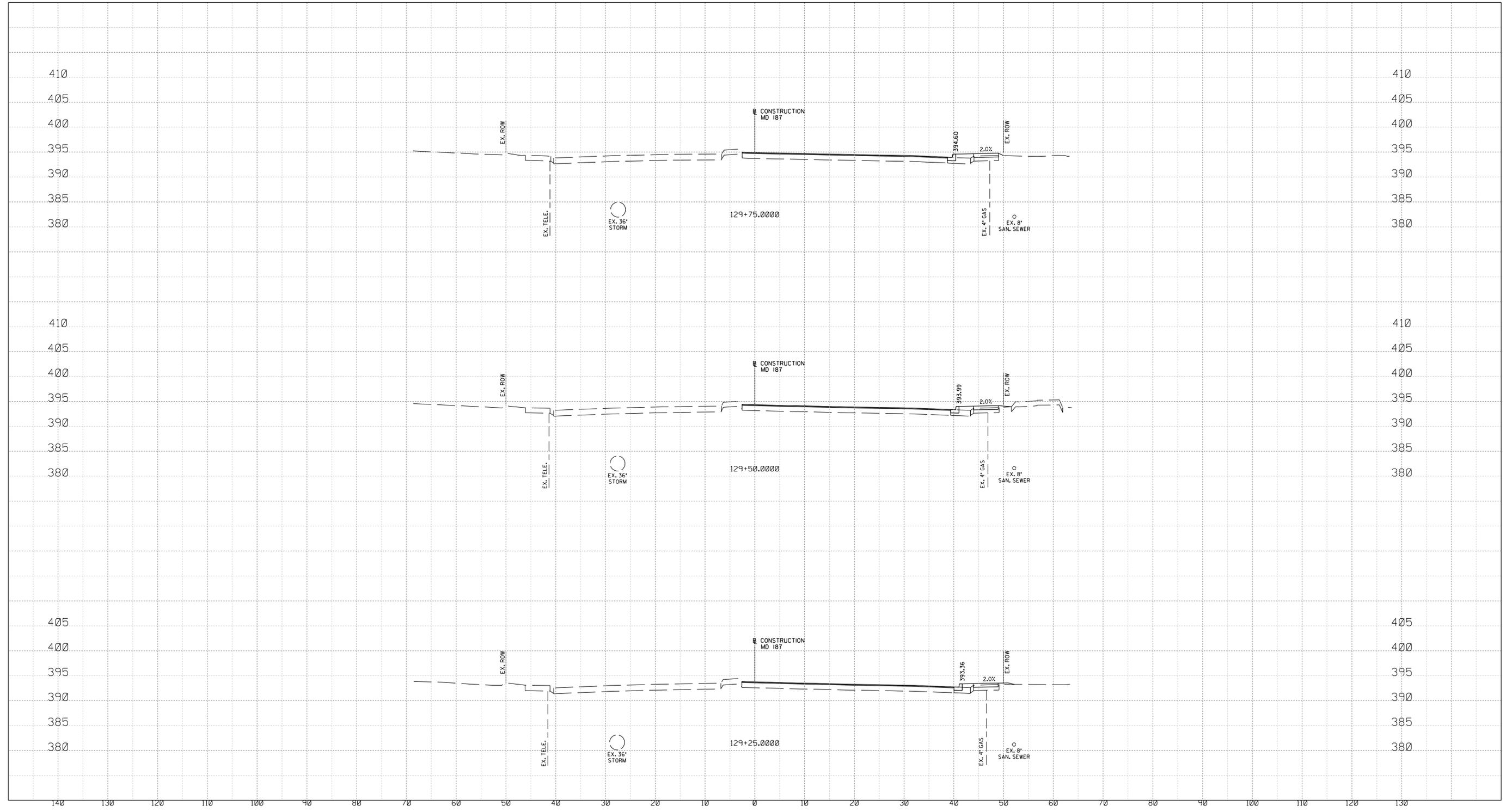
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XS-15

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022
 Project No. : 502106 SHEET 91 of 93

6/23/2022 UA\2026213204\700 CADD\701 Sheet\Phase 2\pHC-X001_WFMeTrc.dgn



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 LICENSE NO: 28255 EXPIRATION DATE: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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 DIVISION OF TRANSPORTATION ENGINEERING
 GAITHERSBURG, MARYLAND

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Chief, Design Section _____ Date _____
 APPROVED

Chief, Division of Transportation Engineering _____ Date _____

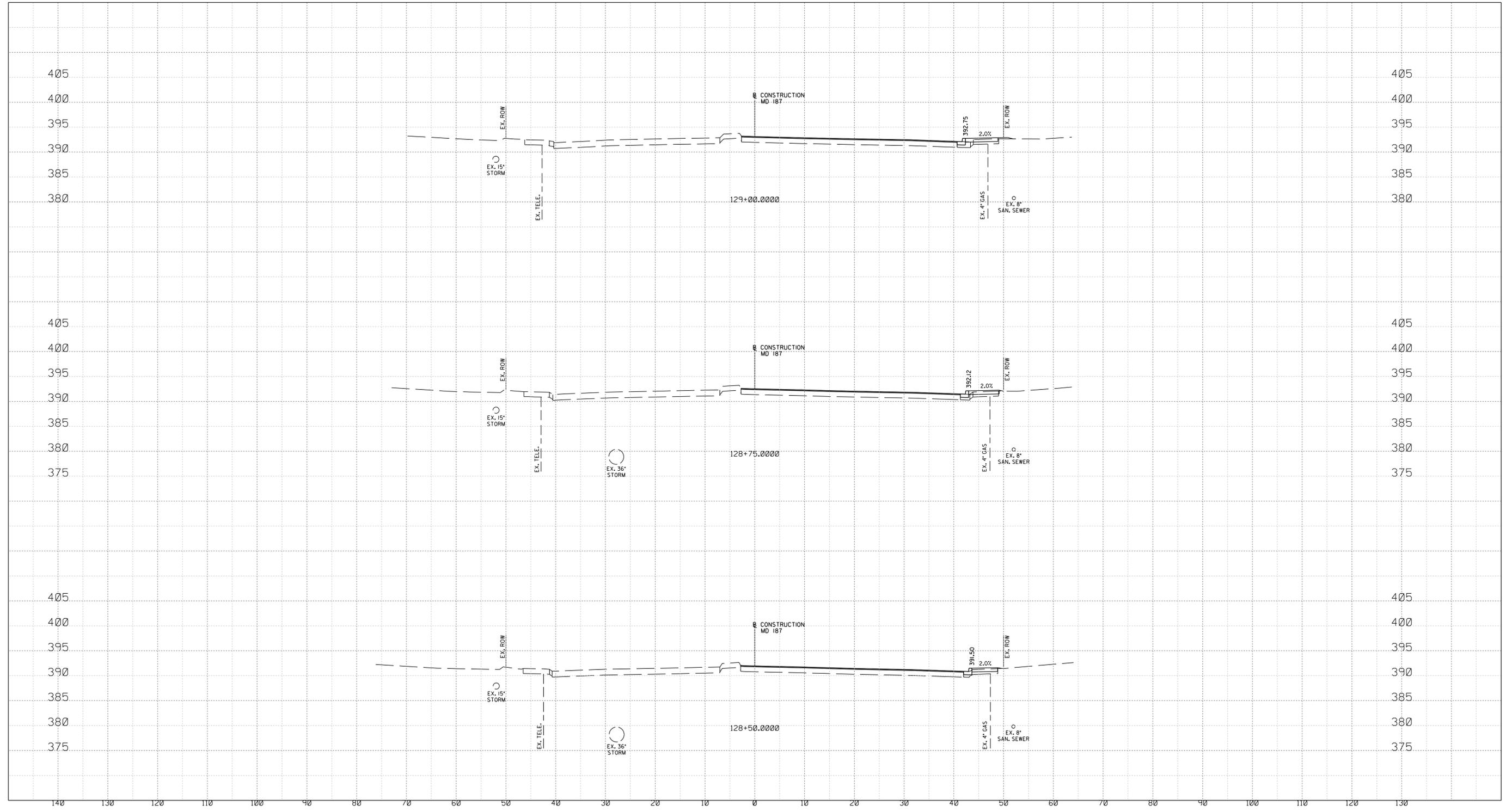
Designed by: _____ Drawn by: _____ Checked by: _____

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022
 Project No. : 502106 SHEET 90 of 93

XS-14

6/23/2022
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PROFESSIONAL CERTIFICATION:
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 LICENSE NO: 28255 EXPIRATION DATE: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____
 APPROVED

Chief, Division of Transportation Engineering _____ Date _____

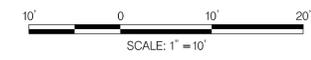
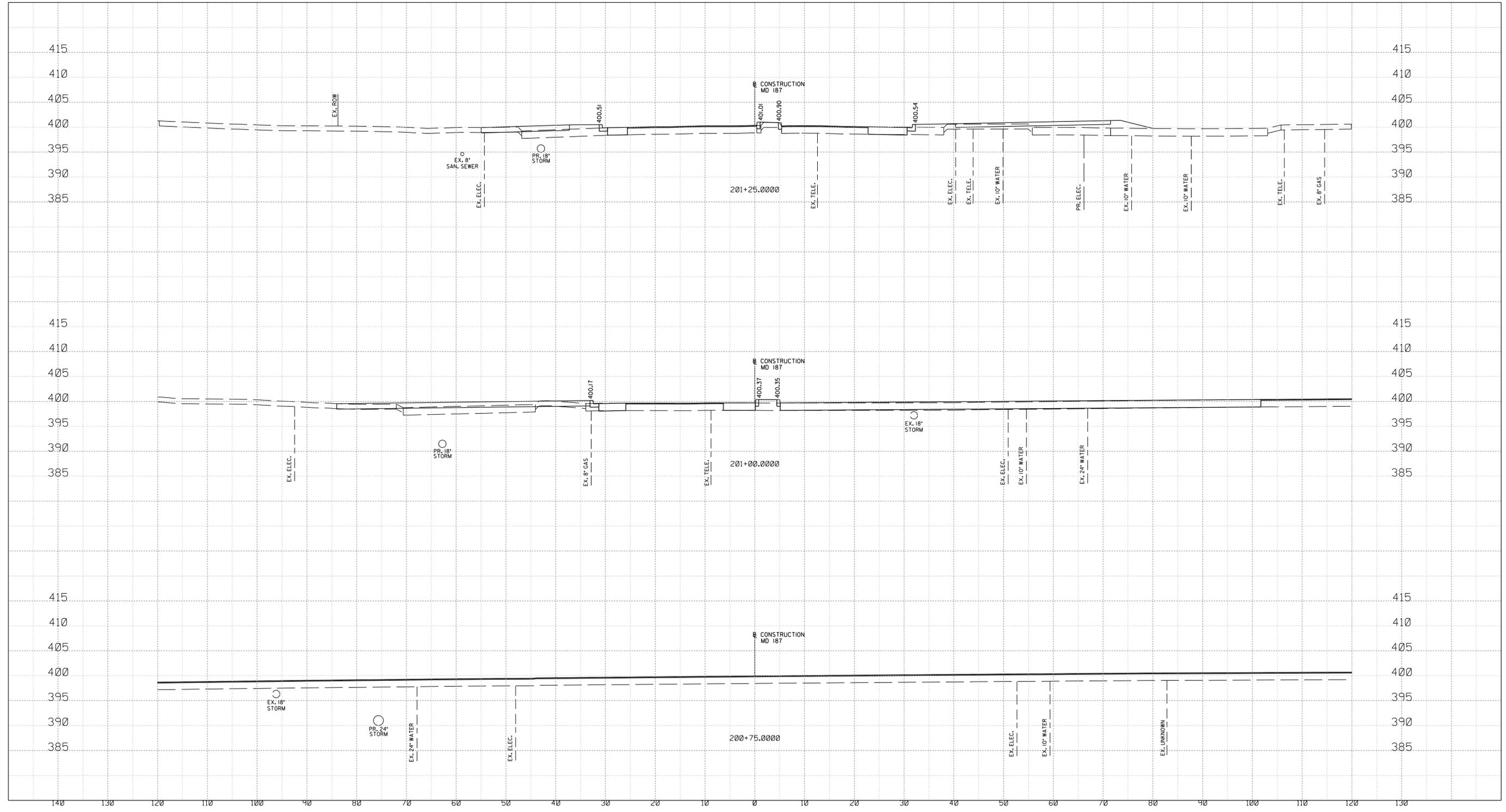
Designed by: _____ Drawn by: _____ Checked by: _____

XS-13

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022
 Project No. : 502106 SHEET 89 of 93

6/23/2022
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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: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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: _____

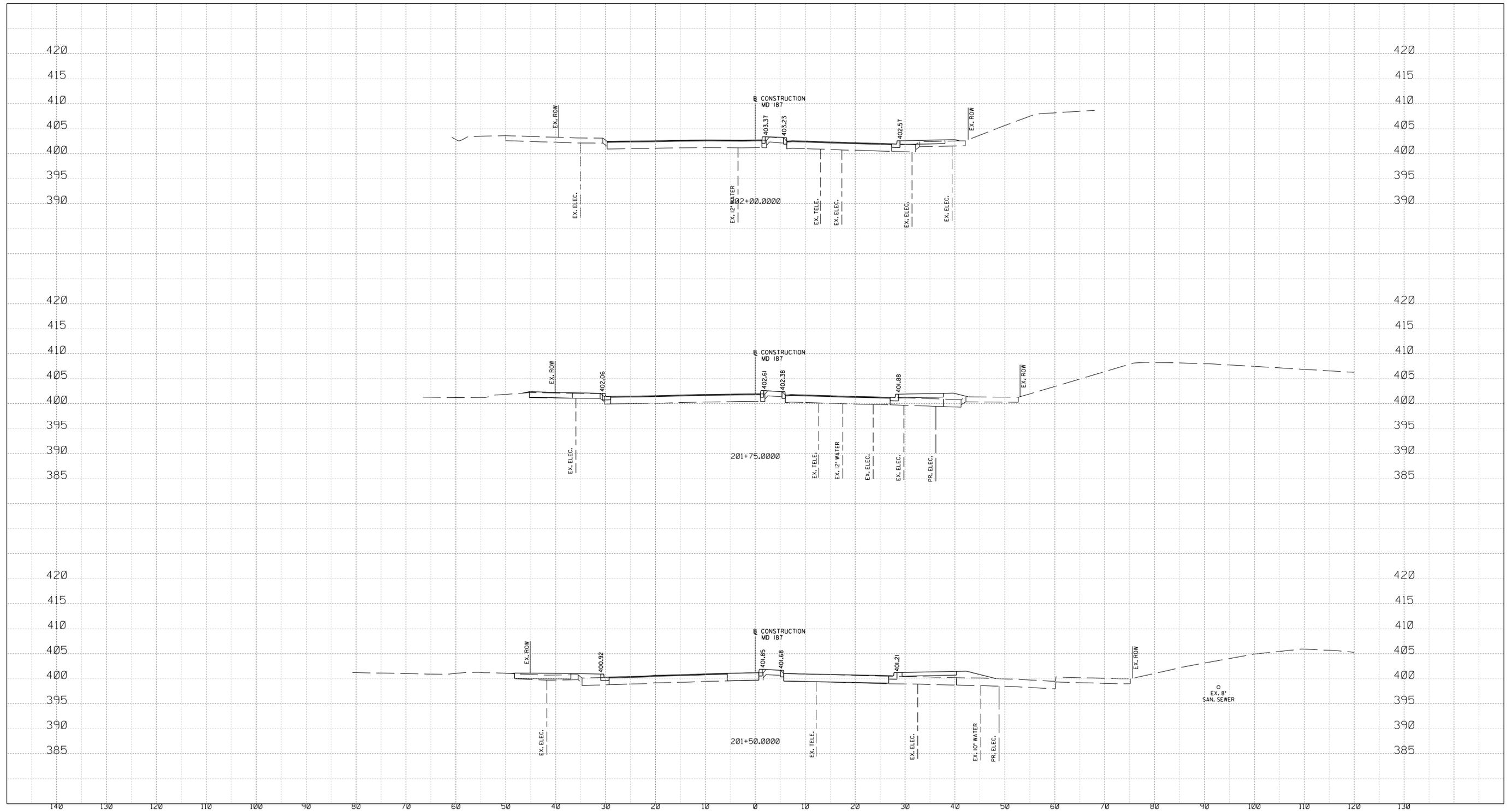
XS-01

**WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS**

SCALE : 1" = 10' DATE : JUNE 2022

Project No. : 502106 SHEET 77 of 93

6/23/2022
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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: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
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 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____
 APPROVED

Chief, Division of Transportation Engineering _____ Date _____

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

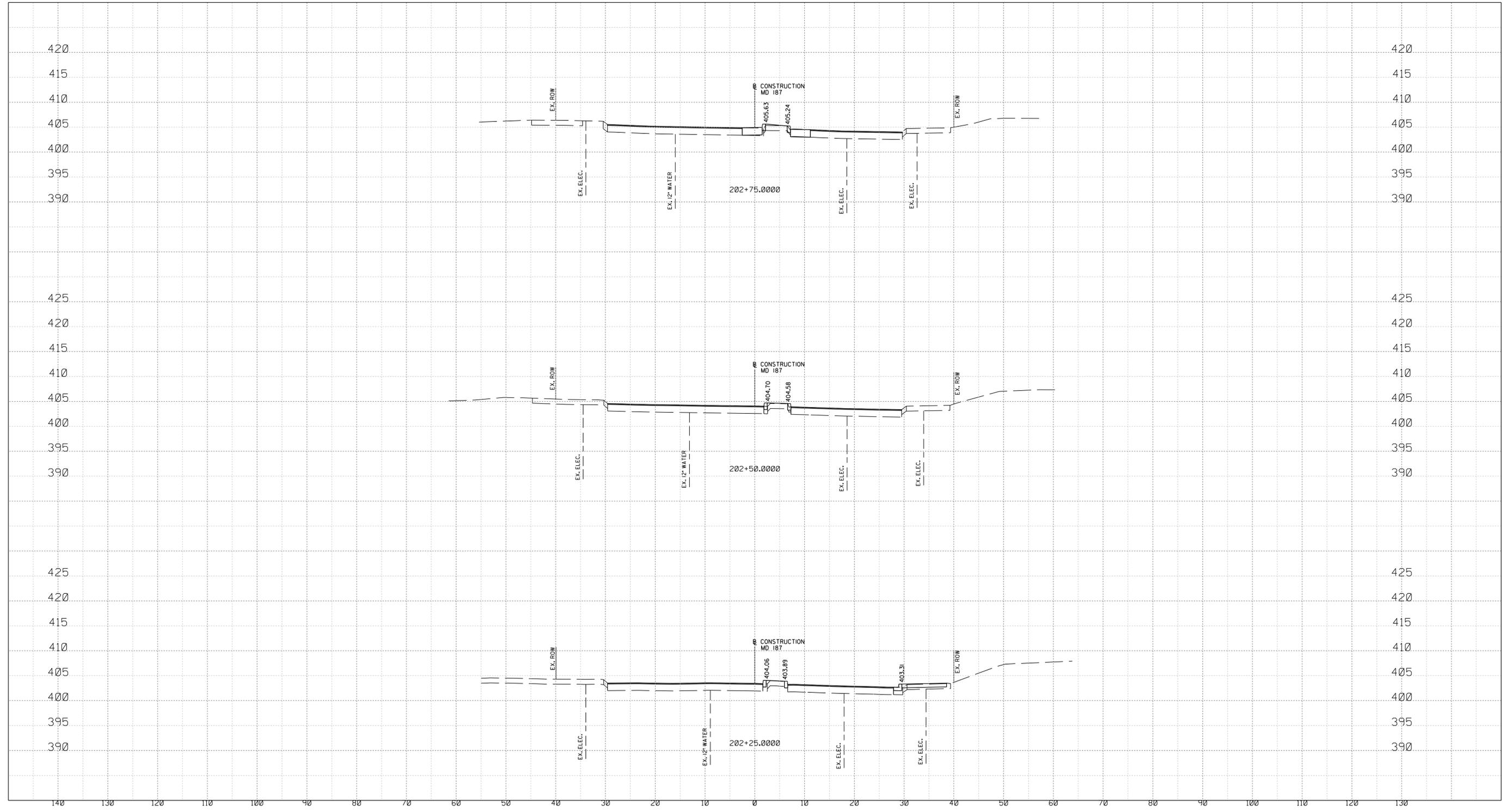
XS-02

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022

Project No. : 502106 SHEET 78 of 93

6/23/2022
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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: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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 : _____

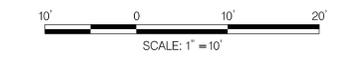
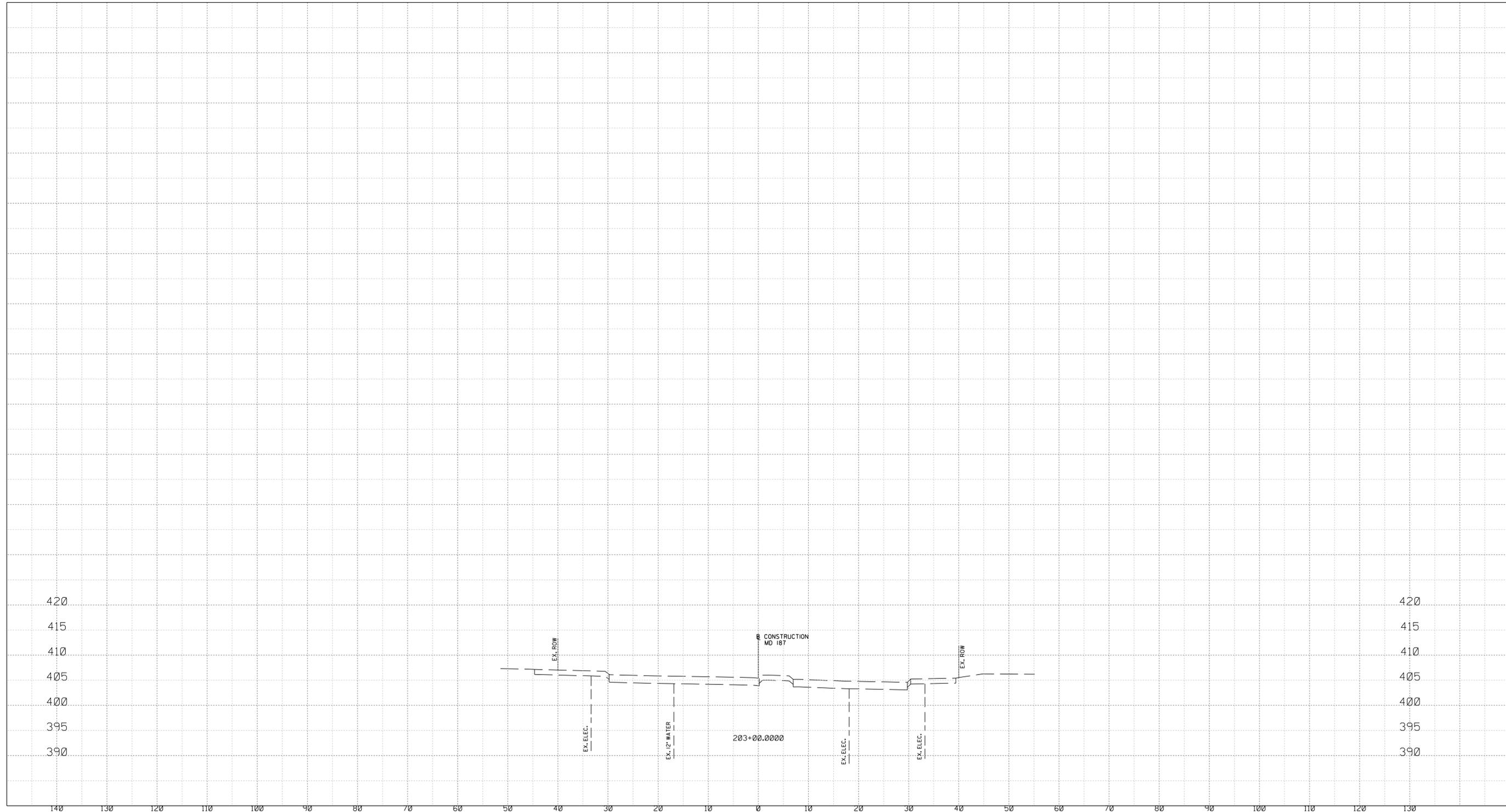
XS-03

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022

Project No. : 502106 SHEET 79 of 93

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 LICENSE NO: 28255 EXPIRATION DATE: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION
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 GAITHERSBURG, MARYLAND

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Chief, Design Section _____ Date _____
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Chief, Division of Transportation Engineering _____ Date _____

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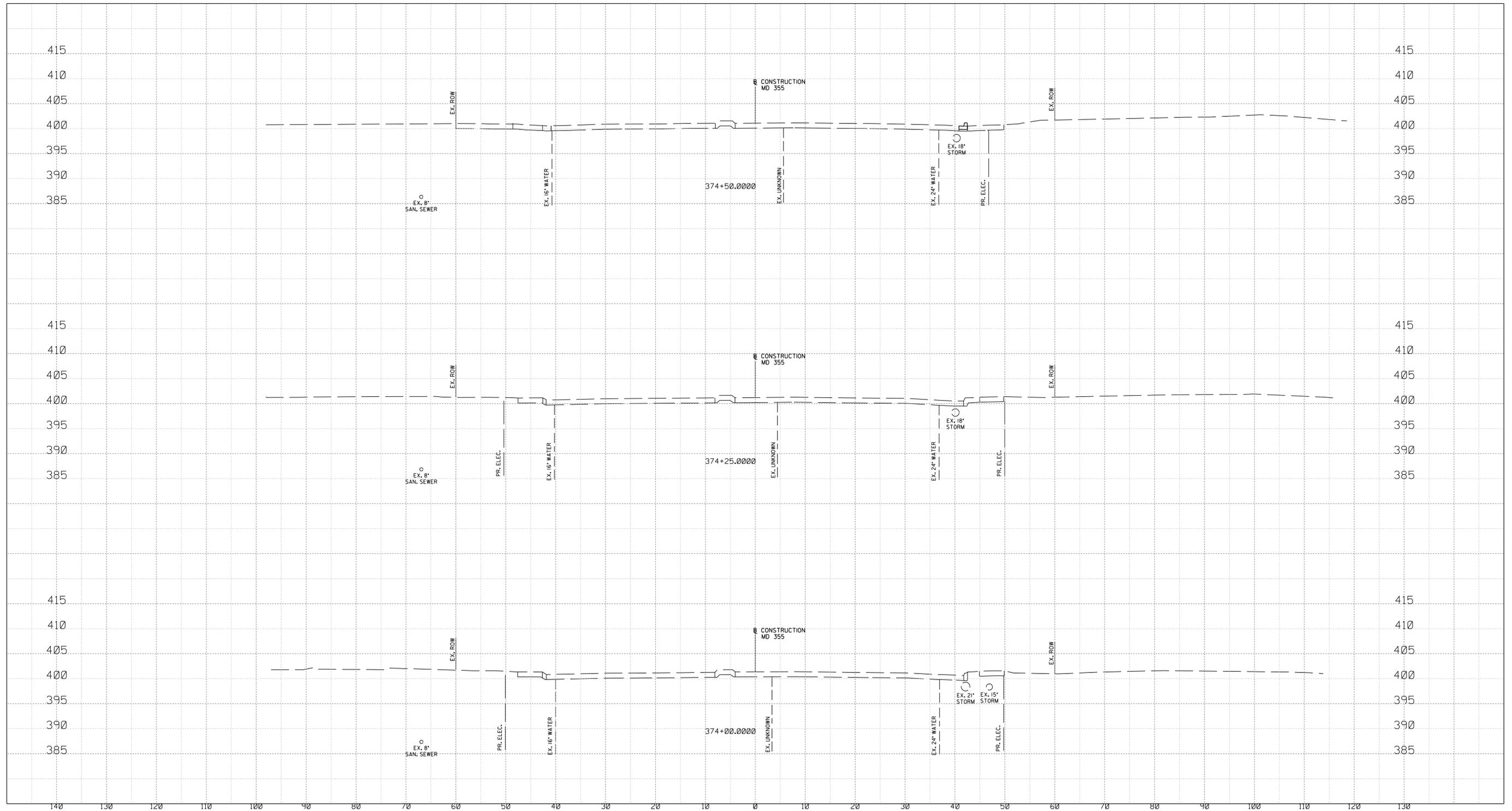
XS-04

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022

Project No. : 502106 SHEET 80 of 93

6/23/2022
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PROFESSIONAL CERTIFICATION:
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 LICENSE NO.: 28255 EXPIRATION DATE: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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

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Chief, Design Section _____ Date _____
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Chief, Division of Transportation Engineering _____ Date _____

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

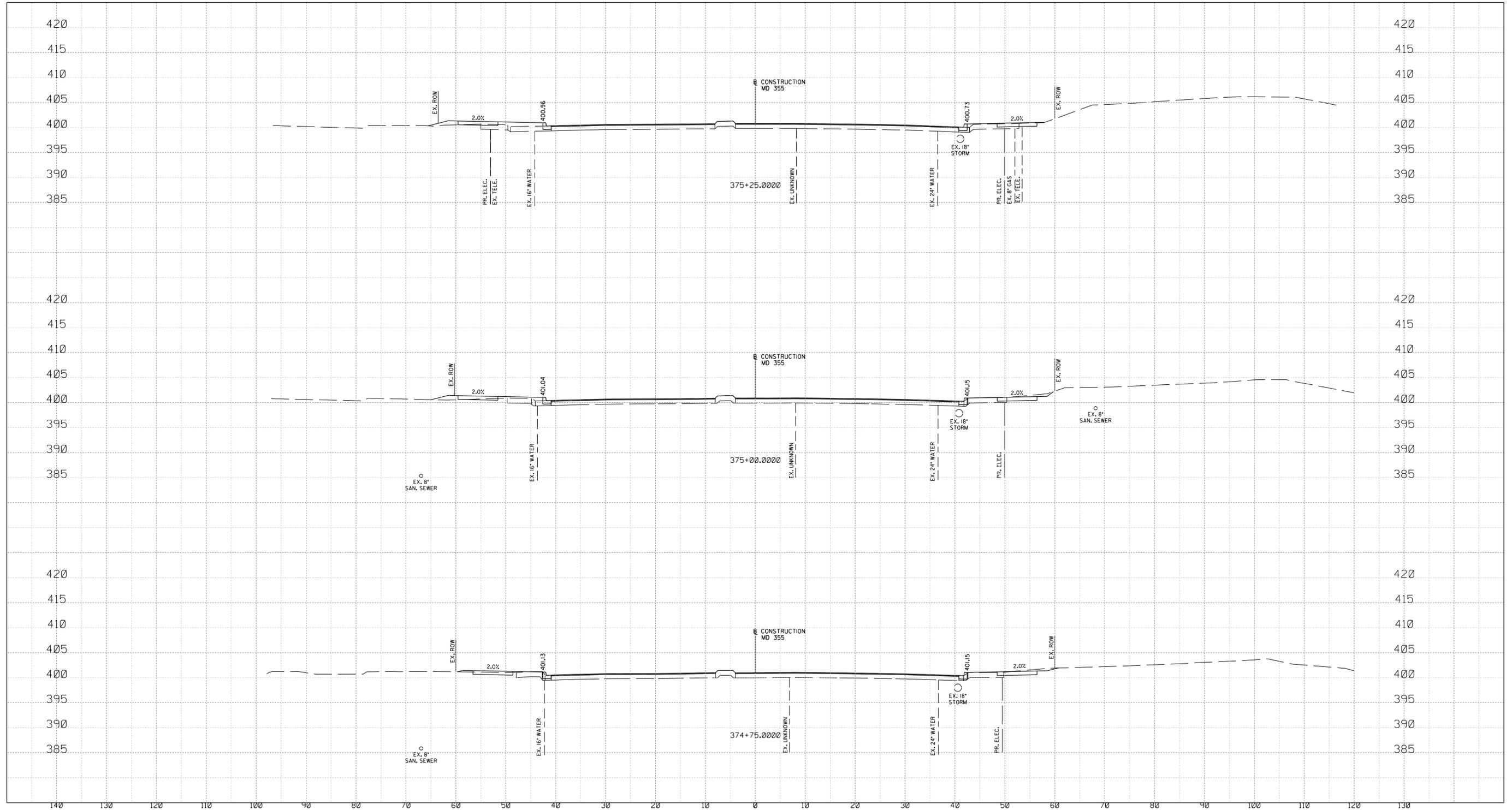
XS-05

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022

Project No. : 502106 SHEET 81 of 93

6/23/2022
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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: 06-30-2022



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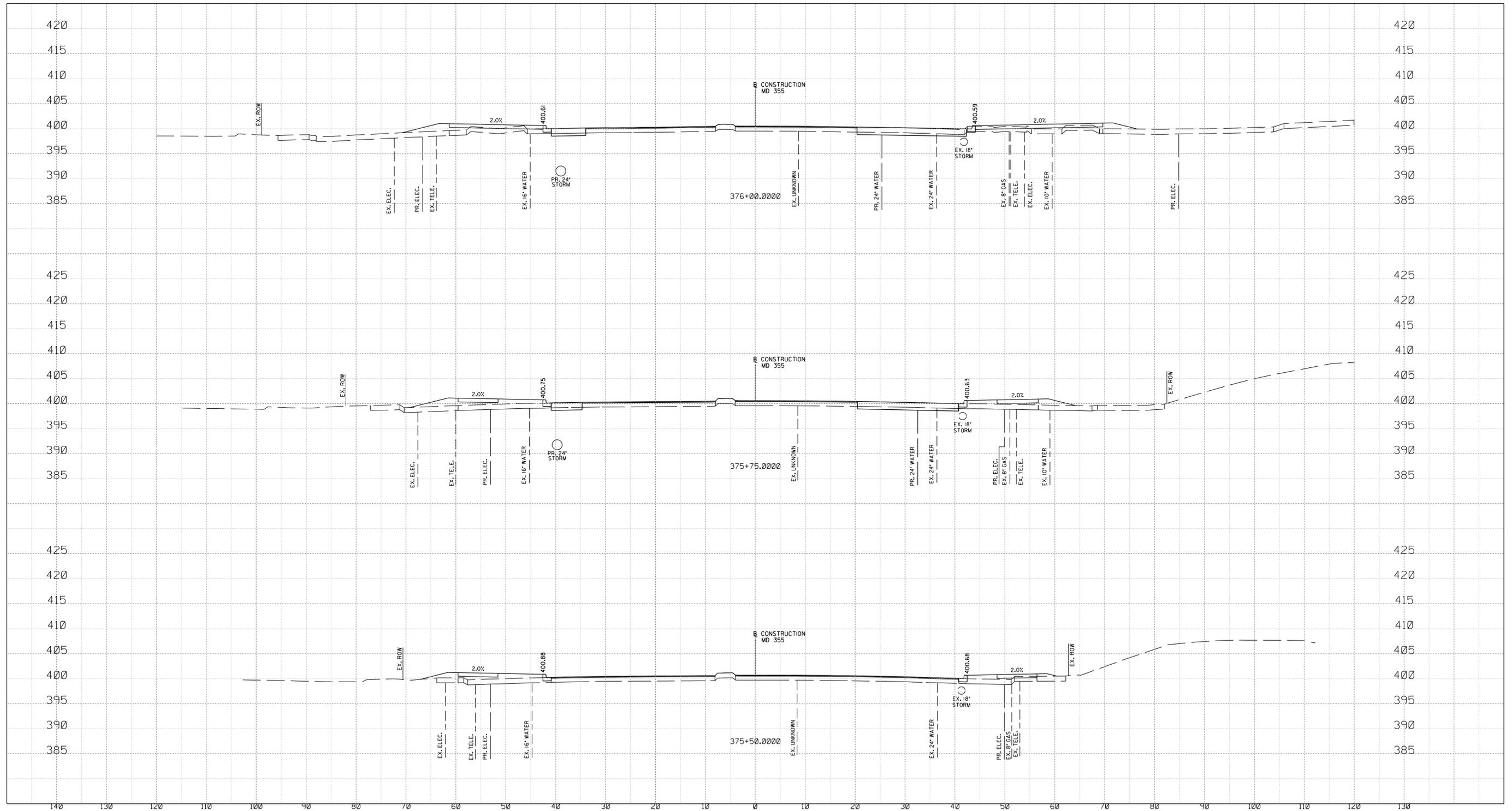
WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022

Project No. : 502106 SHEET 82 of 93

XS-06

6/23/2022
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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: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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: _____

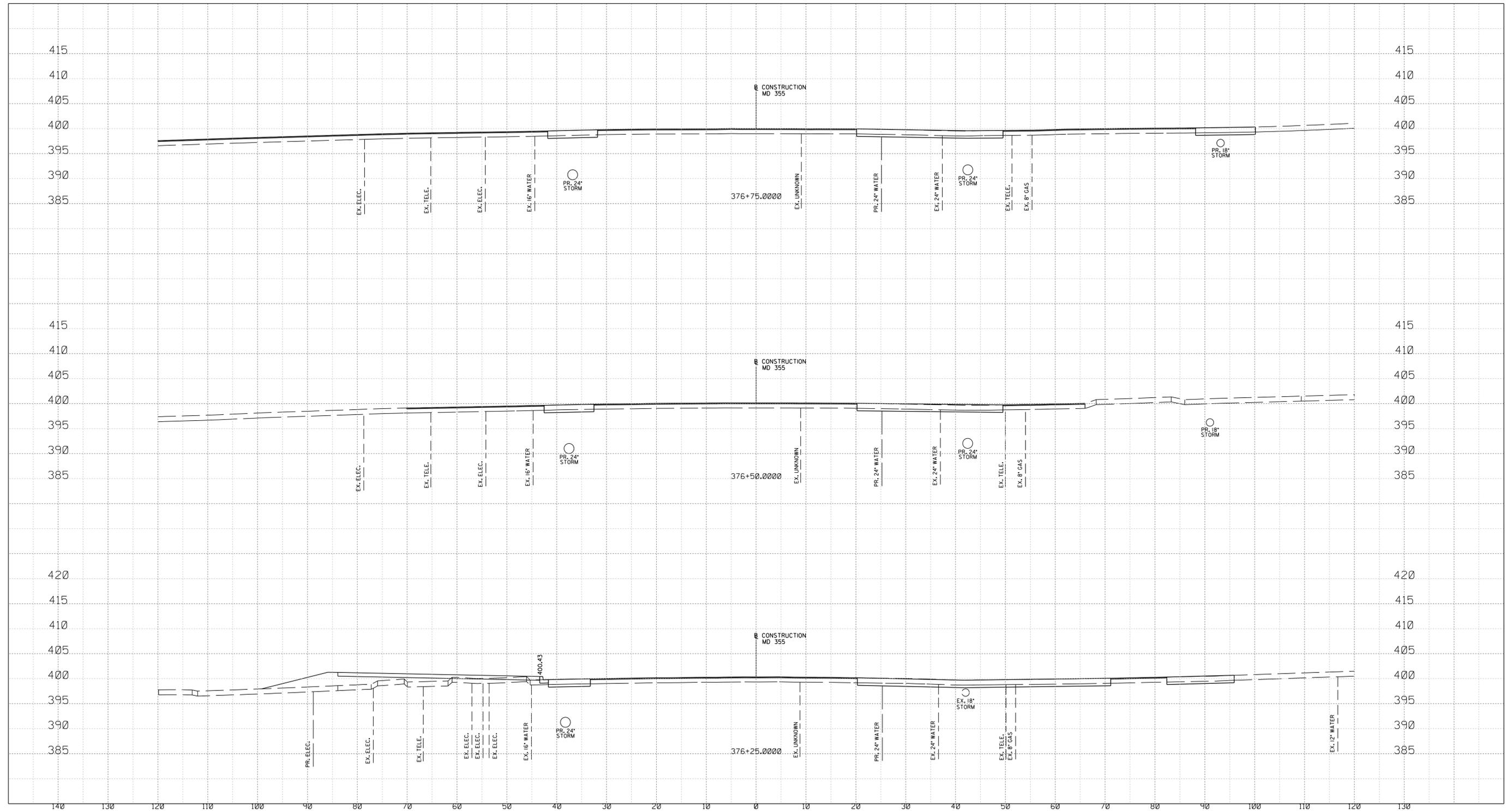
WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022

Project No. : 502106 SHEET 83 of 93

XS-07

6/23/2022
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PROFESSIONAL CERTIFICATION:
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
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 LICENSE NO.: 28255 EXPIRATION DATE: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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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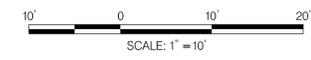
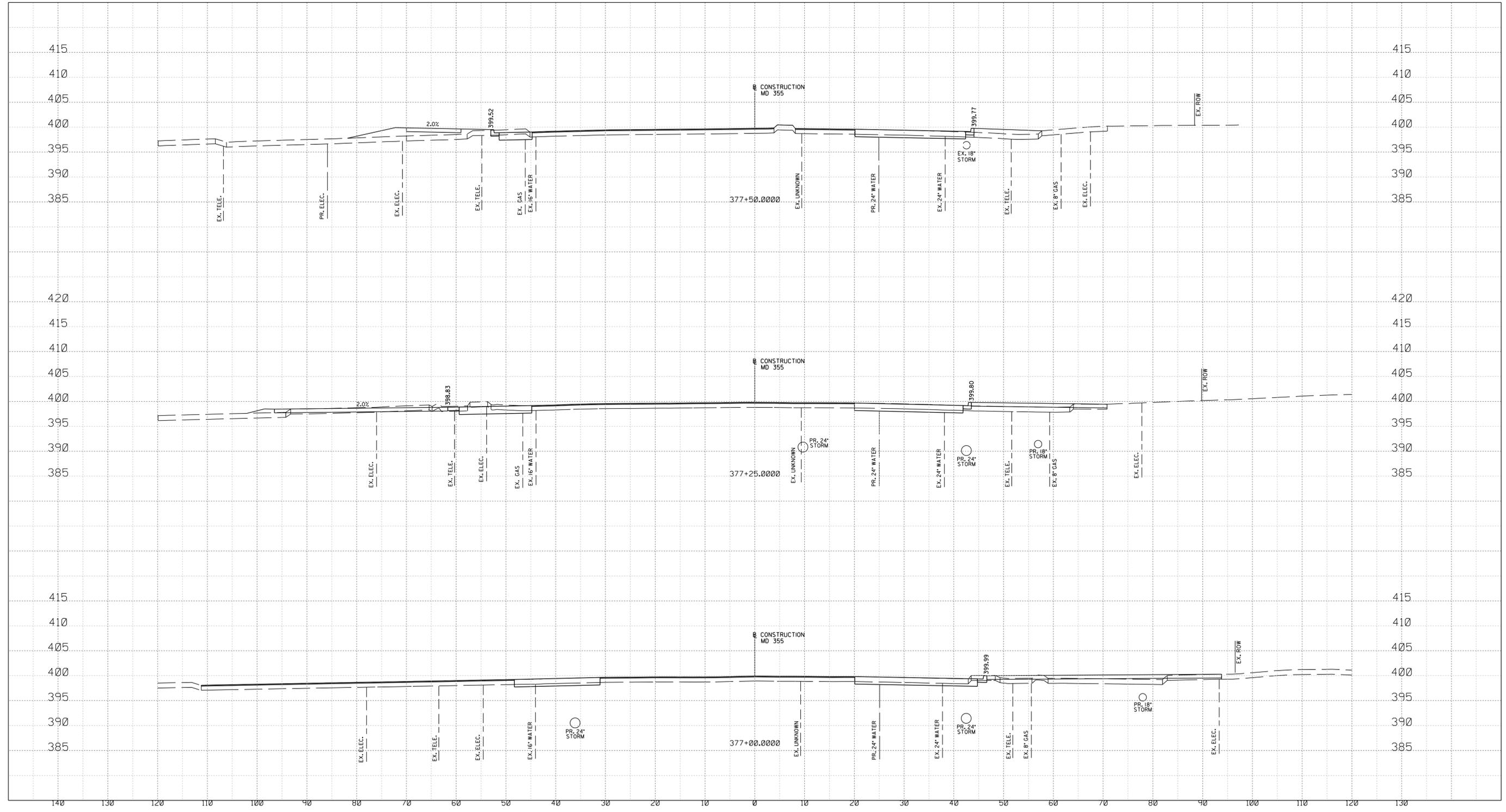
XS-08

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022

Project No. : 502106 SHEET 84 of 93

6/23/2022
 U:\2026213204\700 CADD\701 Sheet\Phase 2\pHC-X003_WFMetro.dgn



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 GAITHERSBURG, MARYLAND

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Chief, Division of Transportation Engineering _____ Date _____

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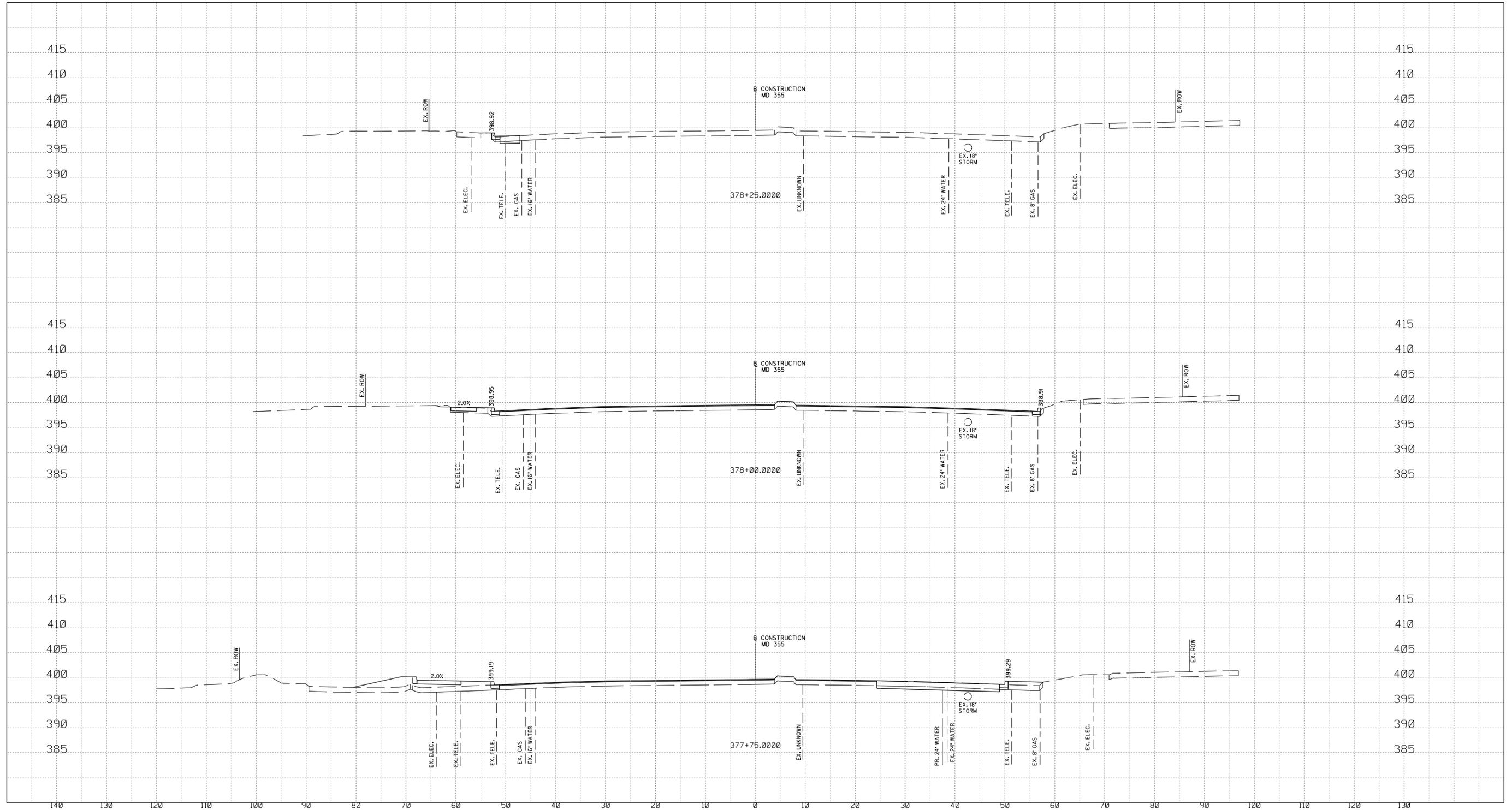
XS-09

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022

Project No. : 502106 SHEET 85 of 93

6/23/2022
 UA\2026213204\700 CADD\701 Sheet\Phase 2\pHC-X003_WF Metro.dgn



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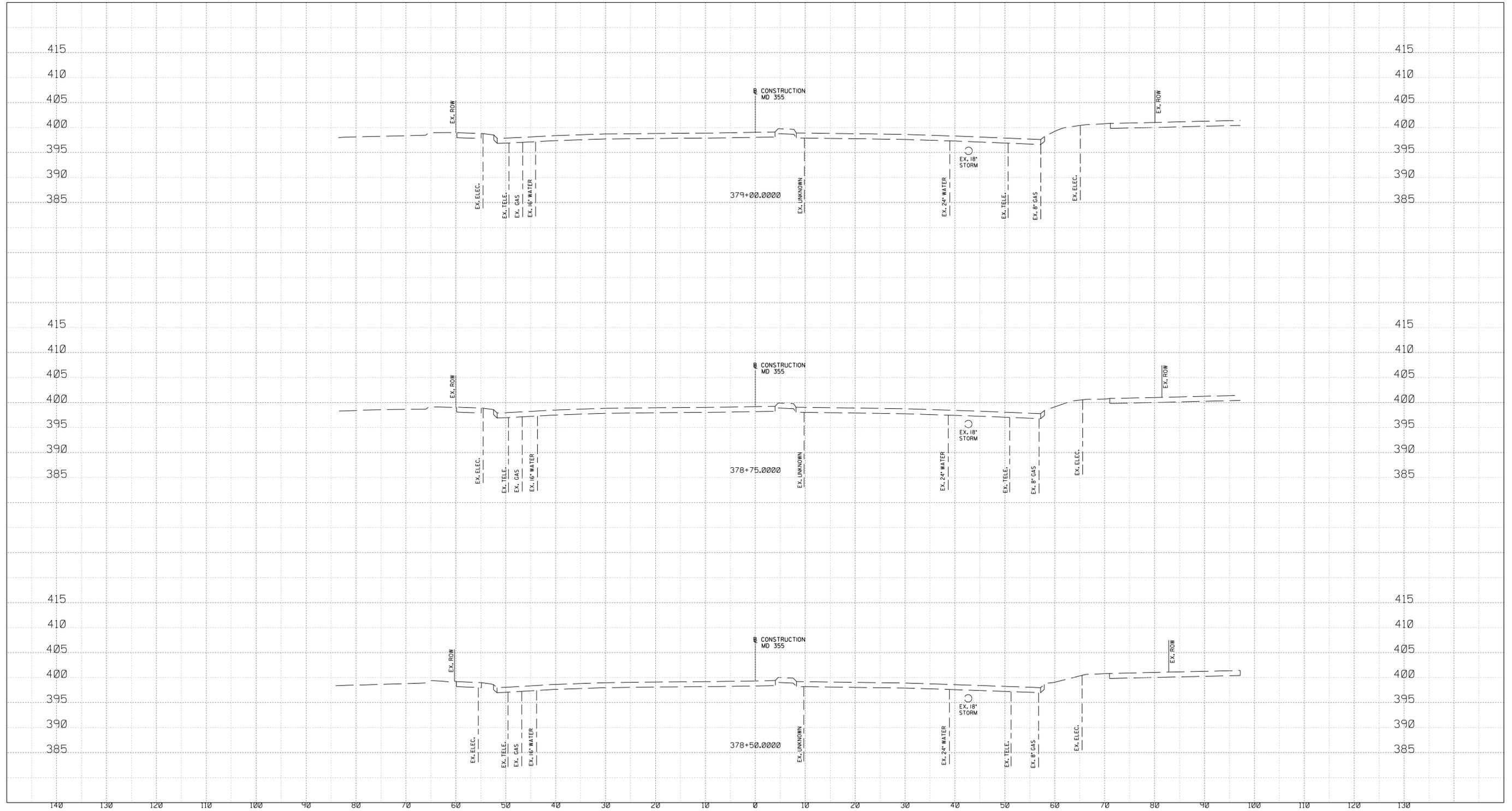
XS-10

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022

Project No. : 502106 SHEET 86 of 93

6/23/2022
 UA\2026213204\700 CADD\701 Sheet\Phase 2\pHC-X003_WF Metro.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: 06-30-2022



NO.	REVISION	DATE	BY

SHA TRACKING NO. 21APMO08XX

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: _____

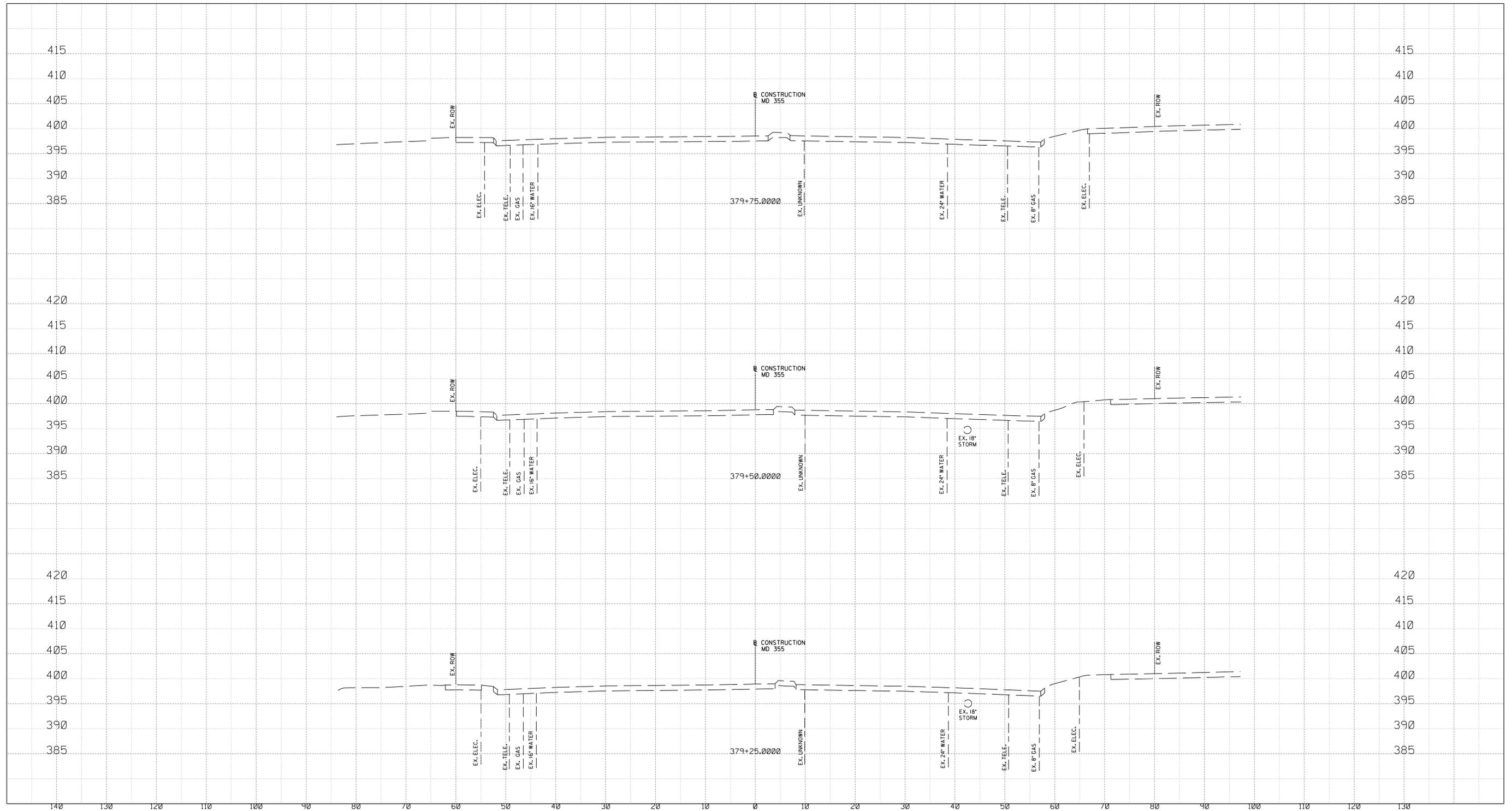
XS-11

WHITE FLINT STATION
 PEDESTRIAN ACCESS IMPROVEMENTS
 ROADWAY CROSS SECTIONS

SCALE : 1" = 10' DATE : JUNE 2022

Project No. : 502106 SHEET 87 of 93

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