

Attachment A: Corridor Engineering Drawings

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FOR FULL SHEET INDEX

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION EAST SILVER SPRING NEIGHBORHOOD GREENWAY

FROM FENTON STREET TO WAYNE AVENUE
STATION 10+22 TO STATION 55+96

CIP PROJECT NO. 0501532

OWNER'S CERTIFICATION

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

DATE _____ JOSE THOMMANA
ACTING CHIEF DIVISION OF
TRANSPORTATION ENGINEERING

DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES EXECUTIVE REGULATIONS 5-90, 7-02AM AND 36-90, AND MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION "STORM DRAIN DESIGN CRITERIA" DATED AUGUST 1988.

DATE _____ STEVEN J. ZEENDER, P.E.
MD. REGISTRATION NO. 31369

CERTIFICATION OF THE QUANTITIES

I HEREBY CERTIFY THAT THE ESTIMATED TOTAL AMOUNT OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO XXXX CUBIC YARDS OF EXCAVATION, XXX CUBIC YARDS OF FILL AND THE TOTAL AREA TO BE DISTURBED AS SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE 36,565 SQUARE FEET.

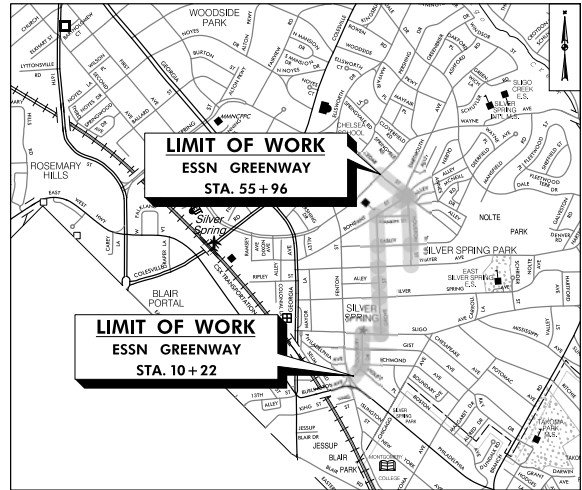
DATE _____ STEVEN J. ZEENDER, P.E.
MD. REGISTRATION NO. 31369

The following standards are required for this project:
A. MD xxx - TBD

For all standards referred to on the plans the contractor must go to the MDOT SHA Book of Standards or Montgomery County design standards which will have the most current version. The Book of Standards can be accessed at:

<http://apps.roads.maryland.gov/business/thesha/bj25StdSpecs/desManualStdPub/publicationonline/ahd/bookstd/index.asp>
<https://www.montgomerycountymd.gov/dot-dte/common/standards.html>

RELATED REQUIRED PERMITS					
IT IS THE RESPONSIBILITY OF THE PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF THE SEDIMENT CONTROL PERMIT					
TYPE OF PERMIT	REQD	NOT REQD	PERMIT NO.	EXPIRATION DATE	WORK RESTRICTION DATE
MDPS Sediment Control	X				
MDPS Erosion Control	X				
WATERWAY/RETAINMENT					
a. Corps of Engineers		X			
b. MCE		X			
c. MCE Water Certification		X			
MCE Dam Safety		X			
IPS Roadside Tree Protection Plan	X			Approval Date	
MDPS Noise or VIBAT	X				
SHA Access Permit	X				



VICINITY MAP SCALE: 1" = 1000'
LENGTH OF PROJECT: TOTAL = 0.98 miles

DESIGN TRAFFIC DATA

ROADWAY	DESIGN TRAFFIC DATA
GROVE STREET, WOODBURY DIVE, BONIFANT STREET, CEDAR STREET, HOUSTON STREET	
CONTROLS / YEARS	2024
AVERAGE DAILY TRAFFIC (A.D.T.)	N/A
DESIGN HOURLY VOLUME (D.H.V.)	N/A
DIRECTIONAL DISTRIBUTION	N/A
X TRUCKS - A.D.T.	N/A
X TRUCKS - D.H.V.	N/A
DESIGN SPEED M. P. H.	20 MPH
FUNCTIONAL CLASSIFICATION	LOCAL STREET
CONTROL OF ACCESS	NONE
INTENSITY OF DEVELOPMENT	URBAN
TERRAIN	ROLLING
ANTICIPATED POSTED SPEED	20 MPH

MISS UTILITY

THE CONTRACTOR SHALL CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL UNDERGROUND UTILITIES IN THE AREA OF PROPOSED WORK ARE LOCATED PRIOR TO COMMENCING CONSTRUCTION WORK. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

THE CONTRACTOR IS ALSO RESPONSIBLE FOR LOCATING ALL PRIVATE UTILITIES (NOT LOCATED BY MISS UTILITY) WITHIN HOA PROPERTY AT THEIR EXPENSE. ALL UTILITIES SHOWN ON THE PLANS ARE PROVIDED FOR INFORMATION ONLY AND SHALL BE CONSIDERED APPROXIMATE. HOA SHALL NOT BE RESPONSIBLE FOR LOCATING UNDERGROUND UTILITIES. ANY UTILITIES OR OTHER UNDERGROUND FACILITIES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED/REPLACED AT THE CONTRACTOR'S SOLE EXPENSE.

OWNER JOSE THOMMANA 100 Edison Park Drive, 4th Floor Gaithersburg, MD 20878 240-777-8730 jose.thommana@montgomerycountymd.gov				PROJECT MANAGER MATT JOHNSON, AICP 100 Edison Park Drive, 4th Floor Gaithersburg, MD 20878 240-777-7237 matt.johnson@montgomerycountymd.gov			
NO.	REVISION	BY	APPD	DATE	DESIGNED BY: DHM III	DATE: MAY, 2024	
					DRAWN BY: DHM III	DATE: MAY, 2024	
					CHECKED BY: SJZ	DATE: MAY, 2024	
					DRAWING NO.:	DATE:	
RECOMMENDED FOR APPROVAL							
				Chief, Design Section _____ Date _____			
APPROVED							
				Chief, Division of Transportation Engineering _____ Date _____			

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
TITLE SHEET

SCALE: AS SHOWN SHEET 001 of 113

810 Oneleague Court, Suite 300
Baltimore, MD 21286
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. _____ EXPIRATION DATE: _____

5/22/2024 \\US1527-F01\shared\projects\202623125\T00_CADD\T00_Sheet\p01-T000_ESSNGreenway.dgn

Attachment A: Corridor Engineering Drawings

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084	LT-07	STREETLIGHT PLAN
085	LT-08	STREETLIGHT PLAN
086	LT-09	STREETLIGHT PLAN
087	LT-10	STREETLIGHT PLAN
088	LT-11	STREETLIGHT PLAN
089	LT-12	STREETLIGHT PHOTOMETRIC ANALYSIS
090	LT-13	STREETLIGHT PHOTOMETRIC ANALYSIS
091	LT-14	STREETLIGHT PHOTOMETRIC ANALYSIS
092	LT-15	STREETLIGHT PHOTOMETRIC ANALYSIS
093	LT-16	STREETLIGHT PHOTOMETRIC ANALYSIS
094	LT-17	STREETLIGHT PHOTOMETRIC ANALYSIS
095	LT-18	STREETLIGHT PHOTOMETRIC ANALYSIS
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112	UT-09	UTILITY PLAN
113	UT-10	UTILITY PLAN

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					APPROVED	
					Chief, Division of Transportation Engineering	Date

I-01
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 INDEX OF SHEETS

SCALE: NONE

SHEET_002_of_113

Attachment A: Corridor Engineering Drawings

ABBREVIATIONS

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

SYMBOLS

EXISTING RIGHT OF WAY LINE		CUT SLOPE	
PROPOSED RIGHT OF WAY LINE		FILL SLOPE	
PROPOSED TRAFFIC BARRIER		LIMIT OF DISTURBANCE	
EXISTING TRAFFIC BARRIER		SILT FENCE	
EXISTING WOOD FENCE LINE		SUPER SILT FENCE	
EXISTING CHAIN LINK FENCE LINE		DIVERSION FENCE	
BASE OR SURVEY LINE		STONE CHECK DAM	
EXISTING FIRE HYDRANT		TEMPORARY STONE OUTLET STRUCTURE	
PROPOSED STORM DRAIN		TEMPORARY GASBOW OUTLET STRUCTURE	
EXISTING STORM DRAIN		AT-GRADE INLET PROTECTION	
EXISTING INLET		CURB INLET PROTECTION	
EXISTING UTILITY POLE		COMBINATION INLET PROTECTION	
EXISTING TREE		MEDIAN INLET PROTECTION	
EXISTING TREE LINE		STANDARD INLET PROTECTION	
EXISTING TREE TO BE REMOVED		TEST HOLE LOCATION	
		STABILIZED CONSTRUCTION ENTRANCE	
		TEMPORARY ORANGE CONSTRUCTION FENCE	
		PROPOSED TREE	
		CRITICAL ROOT ZONE	
		TREE REMOVAL	

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

AB-01

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
ABBREVIATIONS AND SYMBOLS

SCALE: NONE SHEET 004 of 113

Attachment A: Corridor Engineering Drawings

GENERAL NOTES

- THE SPECIFICATIONS FOR THIS CONTRACT WILL BE THOSE OF THE MARYLAND STATE HIGHWAY ADMINISTRATION DATED JULY 2023, ALL ERRATA AND ADDENDA THERETO, AND THE MARYLAND STATE HIGHWAY ADMINISTRATION BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES.
- FOR CONSTRUCTION, HORIZONTAL SHALL BE BASED ON NAD 83/91 DATUM AND VERTICAL SHALL BE BASED ON NAVD 1988 DATUM.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION AND ELEVATIONS OF THE UNDERGROUND UTILITIES BY DIGGING TEST HOLES BY HAND AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING. IF CLEARANCE IS LESS THAN SHOWN OR SIX (6) INCHES, WHICHEVER IS LESS, CONTACT MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION PROJECT INSPECTOR AND THE MDOT SHA UTILITY INSPECTOR BEFORE PROCEEDING WITH CONSTRUCTION.
- REPAIRS TO UTILITIES OR PROPERTY DAMAGE AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION MUST BE MADE AT THE CONTRACTOR'S EXPENSE BEFORE PROCEEDING WITH CONSTRUCTION.
- CALL "MISS UTILITY" AT 1-800-257-7777 FORTY-EIGHT (48) HOURS PRIOR TO BEGINNING EXCAVATION TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES.
- CLEARING IS TO BE LIMITED TO THE "LIMIT OF DISTURBANCE" AS SHOWN ON THE PLANS.
- ALL GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
- THE CONTRACTOR SHALL OBTAIN A ROADSIDE TREE PERMIT FOR ANY MAINTENANCE, TREATMENT, PLANTING, REMOVAL, OR ROOT CUTTING ON TREES WITHIN MDOT SHA RIGHT OF WAY. PERMIT REQUIREMENTS MAY BE OBTAINED FROM THE DEPARTMENT OF NATURAL RESOURCES, MARYLAND FOREST, PARK AND WILDLIFE SERVICE, TELEPHONE 301-854-6060.
- THE LOCATION OF RIGHT-OF-WAY AND EASEMENT LINES SHOWN ON THE PLANS ARE FOR INFORMATION AND GUIDANCE ONLY. NO GUARANTEE IS MADE AS TO THE ACCURACY OF SAID LOCATIONS. PLEASE REFER TO THE APPROPRIATE RIGHT-OF-WAY PLATS.
- THE CONTRACTOR SHALL INSTALL PEDESTRIAN DETECTABLE WARNING SURFACES AT ALL SIDEWALK & PEDESTRIAN CROSSING LOCATIONS AS DIRECTED BY THE ENGINEER AS PER ADA SPECIFICATION. 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.
- ALL PROPOSED BUS STOPS SHALL BE ADA COMPLIANT.

- HORIZONTAL DATUM: MARYLAND STATE PLANE COORDINATE SYSTEM
 NAD 83/91
 VERTICAL DATUM: NAVD 1988
 SURVEY UNIT: SURVEY FEET

DATE OF SURVEY: MARCH 2020, SUPPLEMENTED MAY 2023
 SURVEY PERFORMED BY: MERCADO CONSULTANTS INC.
 17830 NEW HAMPSHIRE AVE. SUITE 200
 ASHTON, MD 20861
 PHONE: 301-260-0090
 FAX: 301-260-0018
- ALL DIMENSIONS, STATIONS, AND ELEVATIONS ARE IN SURVEY FEET UNLESS OTHERWISE SHOWN.

THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING TOPOGRAPHIC FEATURES AND ELEVATIONS, ABOVE AND BELOW GROUND, PRIOR TO BEGINNING CONSTRUCTION IN THE FIELD.

THE CONTRACTOR SHALL BRING TO THE NOTICE OF THE ENGINEER ANY DISCREPANCY BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS.
- A BOUNDARY SURVEY WAS PERFORMED, IF ANY DISPUTE ARISES AS TO THE LOCATION OF RIGHT-OF-WAY LINES, PROPERTY LINES, OWNERSHIP, ETC., ADDITIONAL CONSULTATION WITH A MARYLAND-LICENSED SURVEYOR IS ADVISED.

- UTILITIES**
- DATE OF INVESTIGATION: JUNE 2023
 UTILITY INVESTIGATION PERFORMED BY: STANTEC CONSULTING SERVICES, INC.
 810 GLEN EAGLES CT., SUITE 300
 BALTIMORE, MD 21286
 PHONE: (410) 583-6700 FAX: (410) 583-6704

UTILITY MAPPING (QUALITY LEVEL D) WAS PREPARED BASED ON RECORDS PROVIDED BY UTILITY OWNERS FOR THIS PROJECT.
 - THE CONTRACTOR SHALL NOTIFY MISS UTILITY ONE CALL (811 OR 800-257-7777) 48 HOURS BUT NOT MORE THAN 10 DAYS PRIOR TO ANY EXCAVATION WORK.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO BEGINNING EXCAVATION.
 - THE FOLLOWING UTILITY COMPANIES SHALL ALSO BE SPECIFICALLY NOTIFIED SIX WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION:
 - PEPCO, TOLU TANI-OLU, 301-221-8217
 - FIBERLIGHT, MATT TRACEY, 703-395-4138
 - WASHINGTON GAS LIGHT COMPANY, COLIN BURKE, 703-750-5541
 - COMCAST, DWAYNE DOUITY, 301-762-7863
 - WASHINGTON SUBURBAN SANITARY COMMISSION, KEVIN LETHBRIDGE, 301-206-7339
 - VERIZON, JON BOBEL, 301-282-2942
 - VERIZON BUSINESS, ADAM RICE, 571-220-8978
 - NO MECHANIZED EQUIPMENT SHALL BE USED FOR EXCAVATION IN CLOSE PROXIMITY TO UTILITIES. CONTRACTOR SHALL HAND DIG ONLY.
 - THE CONTRACTOR SHALL USE HAND EXCAVATION METHODS WHEN EXCAVATION OCCURS WITHIN 24" INCHES OF A GAS FACILITY.
 - THE CONTRACTOR IS RESPONSIBLE FOR SUPPORTING AND PROTECTING EXISTING UTILITIES AS DIRECTED BY THE ENGINEER AND UTILITY OWNER. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGES TO EXISTING UTILITIES DUE TO NEGLIGENCE.

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GN-01

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: DHM III	DATE: MAY, 2024
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					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
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 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 GENERAL NOTES

SCALE: NONE SHEET 003 of 113

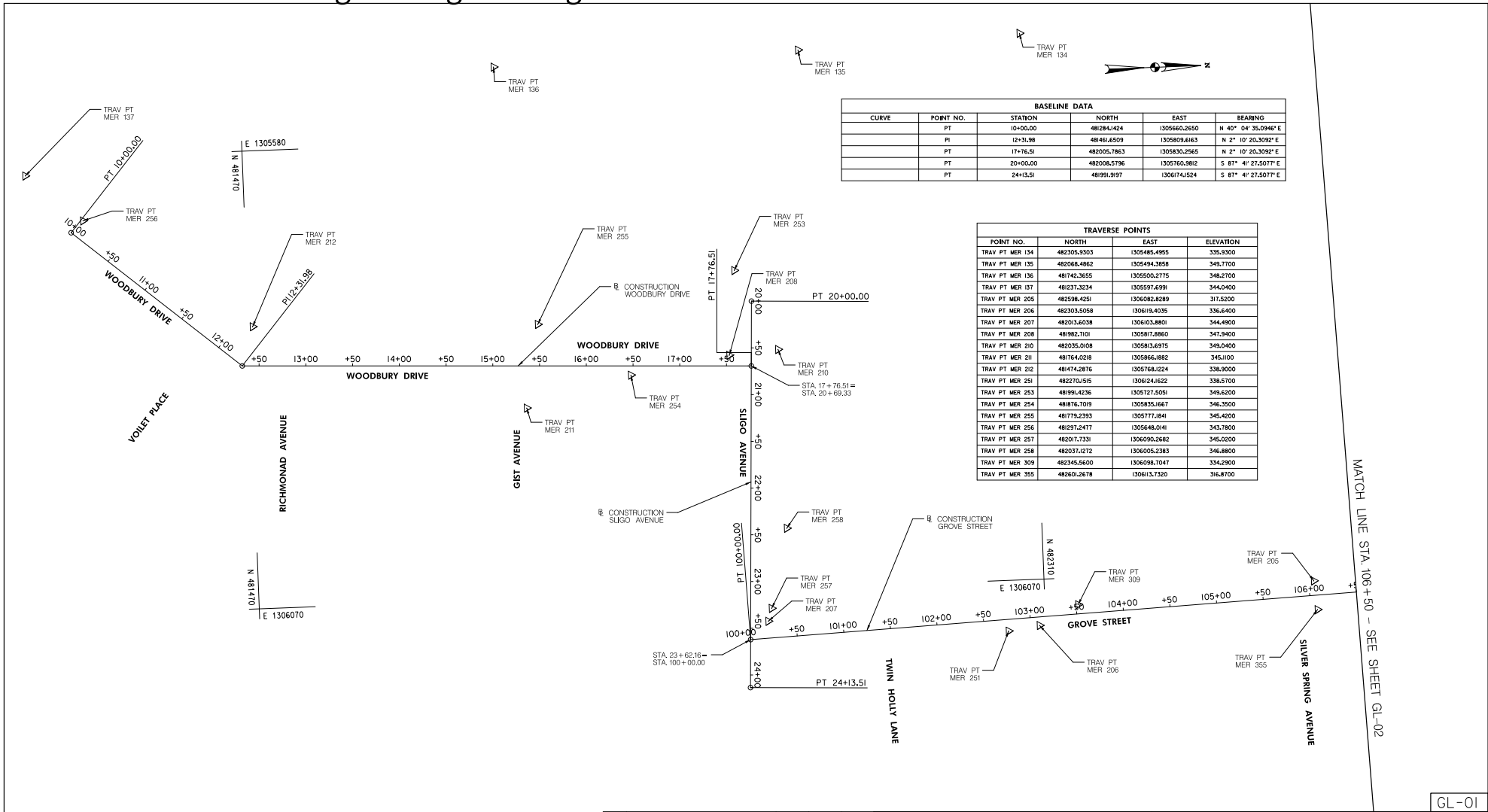
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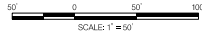


Attachment A: Corridor Engineering Drawings



BASELINE DATA					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
PT		10+00.00	481284.1424	1305660.2650	N 40° 04' 35.0940" E
PI		12+31.98	481461.6509	1305809.4163	N 2° 10' 20.3092" E
PT		17+76.51	482005.7863	1305830.2565	N 2° 10' 20.3092" E
PT		20+00.00	482008.5796	1305760.9812	S 87° 41' 27.5077" E
PT		24+13.51	481991.9197	1306174.1524	S 87° 41' 27.5077" E

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
TRAV PT MER 134	482305.9303	1305485.4955	335.9300
TRAV PT MER 135	482066.4862	1305494.3858	349.7700
TRAV PT MER 136	481742.3655	1305500.2715	348.2700
TRAV PT MER 137	48237.3234	1305997.6791	344.0400
TRAV PT MER 205	48298.4251	1306082.8289	317.5200
TRAV PT MER 206	48203.5058	130618.4035	336.4400
TRAV PT MER 207	48203.6038	1306103.8801	344.4900
TRAV PT MER 208	481982.7101	130581.8860	347.9400
TRAV PT MER 210	482035.0108	130581.6975	349.0400
TRAV PT MER 211	481764.0218	1305868.1882	345.1100
TRAV PT MER 212	481474.2876	1305764.1224	338.9000
TRAV PT MER 251	482270.1515	1306164.1622	338.5700
TRAV PT MER 253	481991.4236	1305727.5051	349.6200
TRAV PT MER 254	481876.7019	1305835.1667	346.3500
TRAV PT MER 255	481779.2393	1305777.1841	345.4200
TRAV PT MER 256	481297.2477	1305648.0141	343.7800
TRAV PT MER 257	482017.7331	1306090.2682	345.0200
TRAV PT MER 258	482037.1272	1306005.2383	346.8800
TRAV PT MER 309	482345.5600	1306098.7047	334.2900
TRAV PT MER 355	482601.2678	130613.7320	316.8700



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DEPARTMENT OF TRANSPORTATION
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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
GEOMETRIC LAYOUT

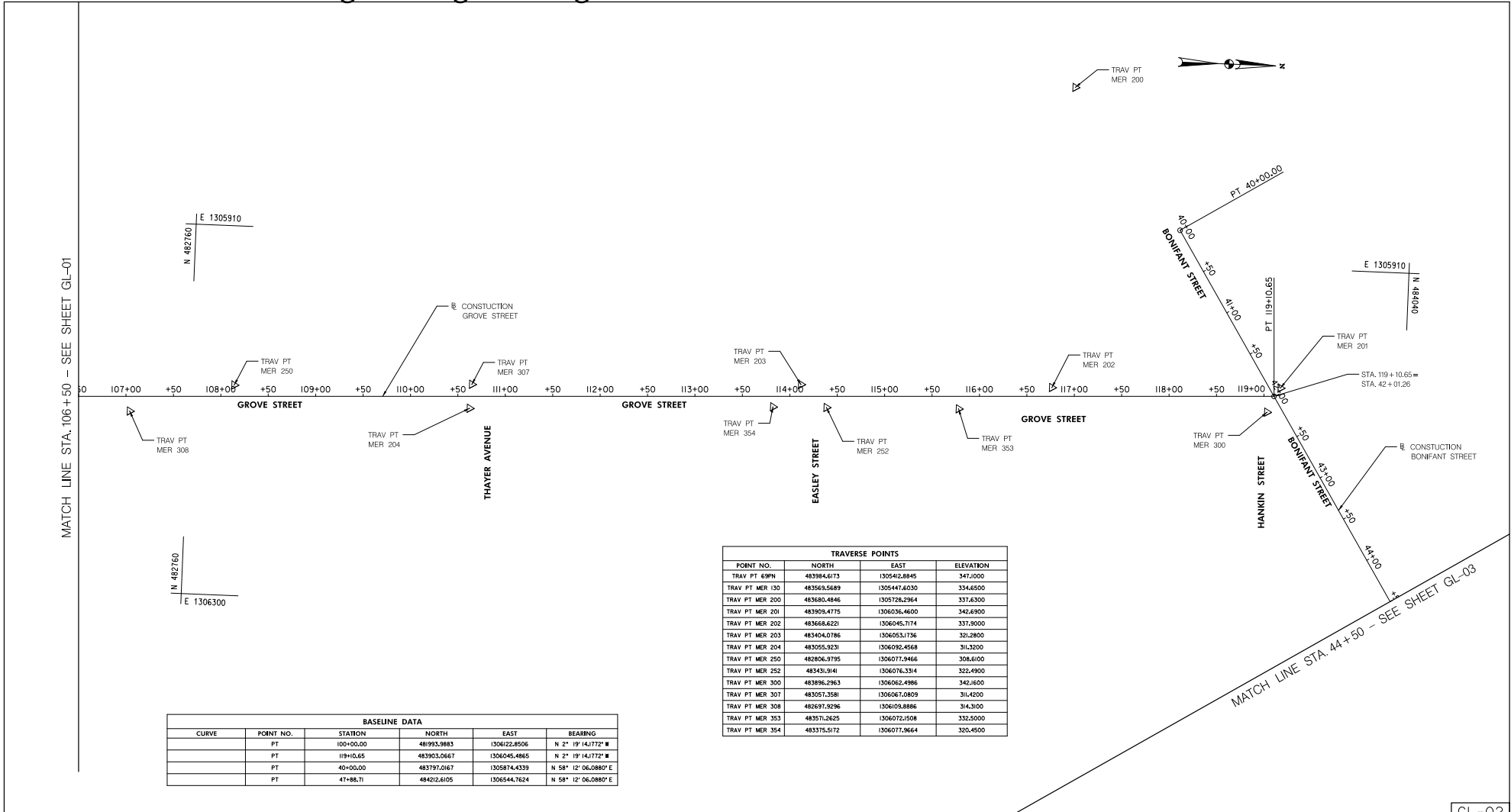
SCALE: 1"=50' SHEET_005_of_113

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Attachment A: Corridor Engineering Drawings

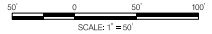


MATCH LINE STA. 106+50 - SEE SHEET GL-01

MATCH LINE STA. 44+50 - SEE SHEET GL-03

BASELINE DATA					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
	PT	100+00.00	48193.8883	130632.8506	N 2° 19' 14.1772" W
	PT	119+10.65	48393.0667	1306045.4865	N 2° 19' 14.1772" W
	PT	40+00.00	483797.0167	1305874.4339	N 58° 12' 06.0880" E
	PT	47+88.71	484212.6105	1306544.7624	N 58° 12' 06.0880" E

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
TRAV PT 699N	483984.6173	1305412.8845	347.0000
TRAV PT 130	483569.5689	1305447.6030	334.6500
TRAV PT MER 200	483680.4846	1305728.2964	337.6300
TRAV PT MER 201	483929.4775	1306036.4600	342.6900
TRAV PT MER 202	483668.6221	1306045.7174	337.8000
TRAV PT MER 203	483404.0786	1306053.1736	341.2800
TRAV PT MER 204	483555.9231	1306092.4568	313.3200
TRAV PT MER 250	482856.9785	1306077.2466	308.6100
TRAV PT MER 252	483431.9141	1306076.3314	322.4900
TRAV PT MER 300	483896.2763	1306062.4986	342.1600
TRAV PT MER 307	483257.3581	1306067.0809	311.4200
TRAV PT MER 308	482697.9296	1306109.8886	314.3100
TRAV PT MER 353	483571.2625	1306072.1508	332.5000
TRAV PT MER 354	483375.5172	1306077.9664	320.4500



GL-02

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					Chief, Division of Transportation Engineering	Date

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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
GEOMETRIC LAYOUT

SCALE: 1"=50'

SHEET 006 of 113

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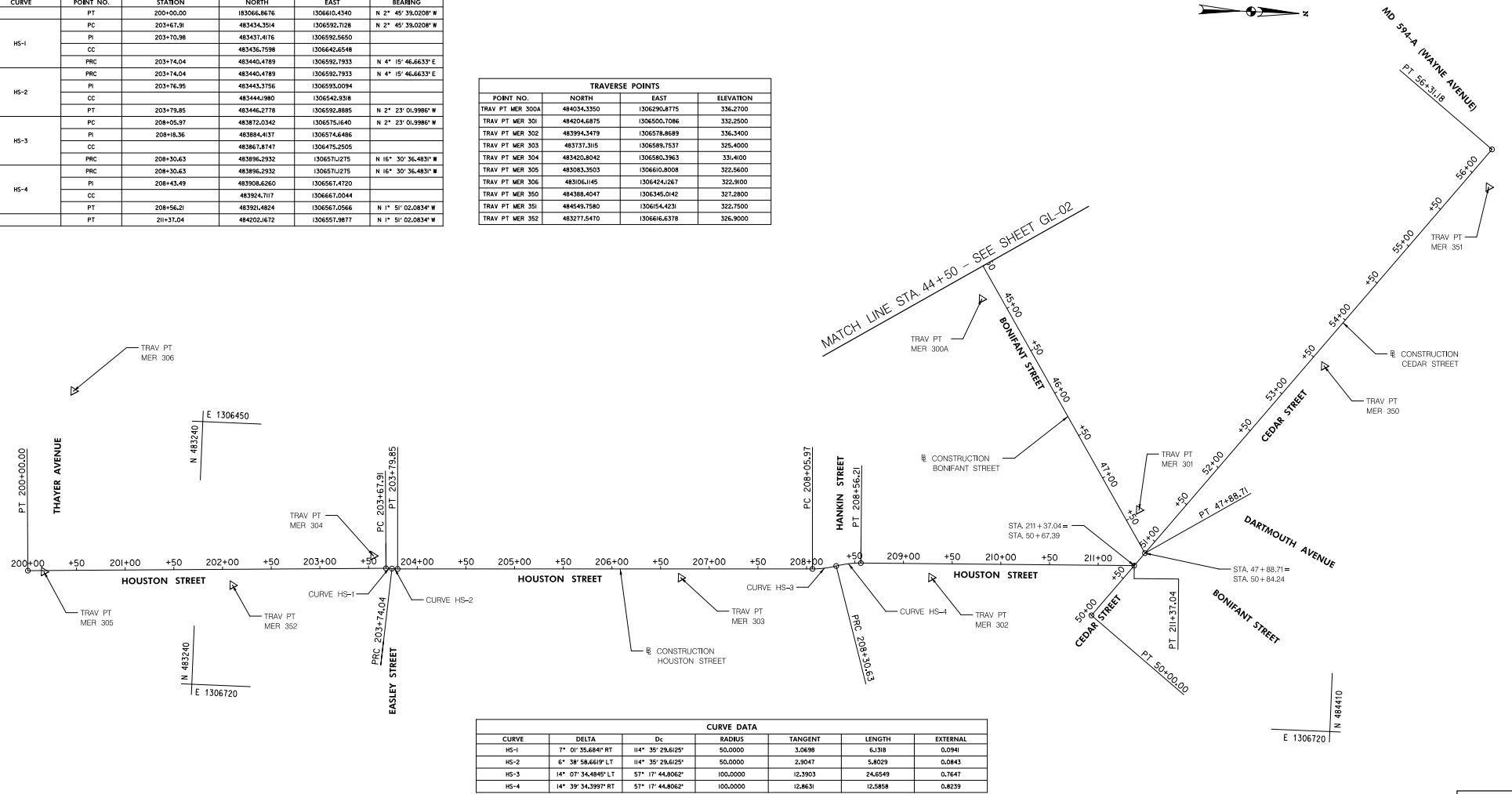


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Attachment A: Corridor Engineering Drawings

BASELINE DATA					
CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
HS-1	PT	200+50.00	183066.8676	1306610.4340	N 2° 45' 35.0208" W
	PC	203+67.91	483434.3514	1306592.7128	N 2° 45' 35.0208" W
	PI	203+70.98	483437.4176	1306592.5650	
	CC		483436.7598	1306642.6548	
HS-2	PRC	203+74.04	483440.4789	1306592.7933	N 4° 15' 46.6633" E
	PC	203+74.04	483440.4789	1306592.7933	N 4° 15' 46.6633" E
	PI	203+76.95	483443.3756	1306593.0094	
	CC		483444.980	1306542.9318	
HS-3	PT	203+79.85	483446.2778	1306592.8885	N 2° 23' 01.9986" W
	PC	208+05.97	483872.0342	1306575.1640	N 2° 23' 01.9986" W
	PI	208+18.36	483884.4137	1306574.6486	
	CC		483867.8147	1306475.2505	
HS-4	PRC	208+30.63	483896.2932	1306571.275	N 16° 30' 36.4831" W
	PC	208+30.63	483896.2932	1306571.275	N 16° 30' 36.4831" W
	PI	208+43.49	483908.6260	1306567.4720	
	CC		483924.7177	1306667.0044	
HS-4	PT	208+56.21	483921.4824	1306567.0566	N 1° 51' 02.0834" W
	PT	211+37.04	484202.1672	1306557.9877	N 1° 51' 02.0834" W

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
TRAV PT MER 300A	484034.3350	1306290.8775	336.2700
TRAV PT MER 301	484204.6875	1306500.7086	332.2500
TRAV PT MER 302	483994.3479	1306578.8689	336.3400
TRAV PT MER 303	483737.3115	1306589.1537	326.4000
TRAV PT MER 304	483420.8042	1306580.3963	331.4100
TRAV PT MER 305	483083.3503	1306610.8008	322.5600
TRAV PT MER 306	483106.1145	1306421.267	322.9100
TRAV PT MER 350	484388.4047	1306345.0142	327.2800
TRAV PT MER 351	484549.7580	1306154.4231	322.7500
TRAV PT MER 352	483277.5470	1306616.6378	326.9000



CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
HS-1	7° 01' 35.6841" RT	114° 35' 29.6125"	50,000.00	3,0698	6,318	0,0941
HS-2	6° 38' 58.6619" LT	114° 35' 29.6125"	50,000.00	2,9047	5,8029	0,0843
HS-3	14° 07' 34.4845" LT	57° 17' 44.8062"	100,000.00	12,3903	24,6549	0,7647
HS-4	14° 39' 34.3997" RT	57° 17' 44.8062"	100,000.00	12,8631	12,5858	0,8239

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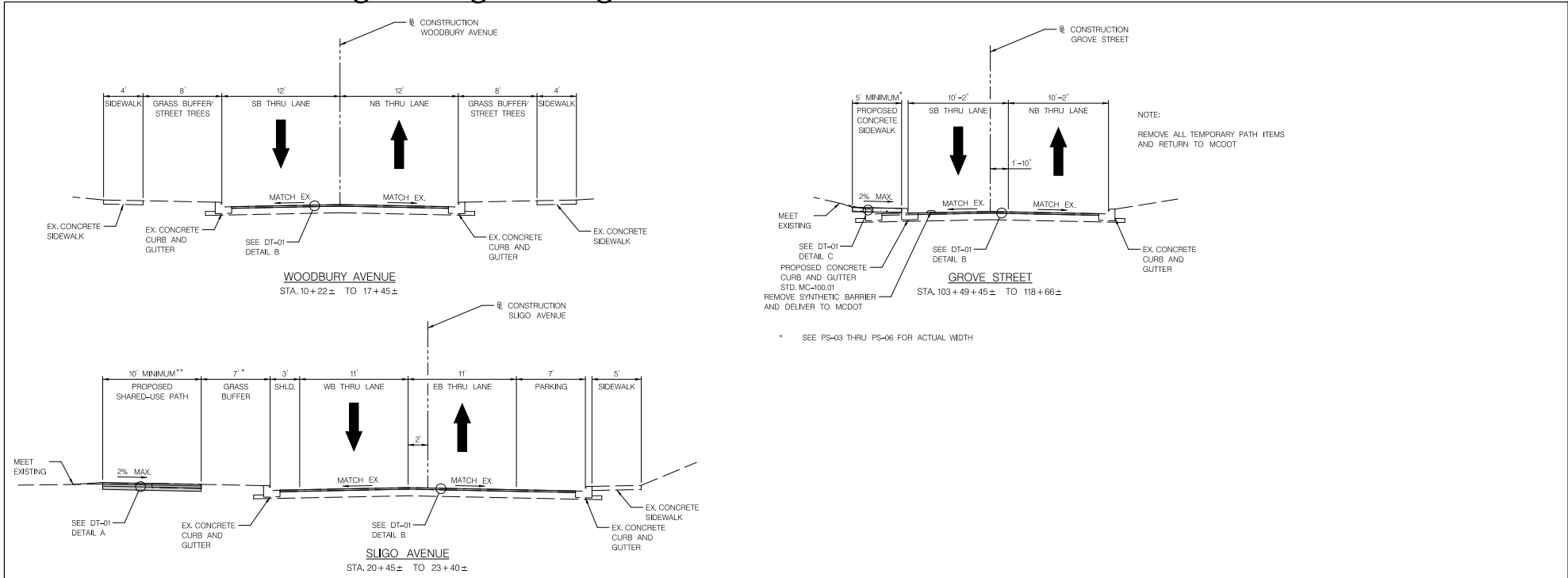
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 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 GEOMETRIC LAYOUT

SCALE: 1"=50'

SHEET 007 of 113

Attachment A: Corridor Engineering Drawings



NOTE:
REMOVE ALL TEMPORARY PATH ITEMS
AND RETURN TO MCDOT

* SEE PS-03 THRU PS-06 FOR ACTUAL WIDTH

- * VARIES 7' TO 3.5' STA. 21+51.75 TO 22+08.67
3.5' FROM STA. 22+08.67 TO 22+49.28
VARIES 3.5' TO 7' STA. 22+49.28
- ** SEE PS-02 FOR ACTUAL WIDTH

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TS-01



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					APPROVED	
					Chief, Division of Transportation Engineering	Date

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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
TYPICAL SECTIONS

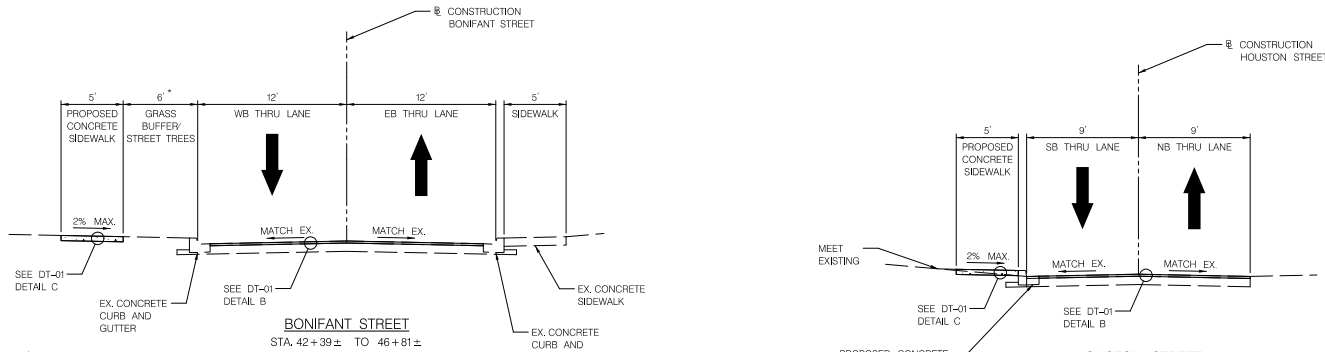
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SHEET_008_of_113

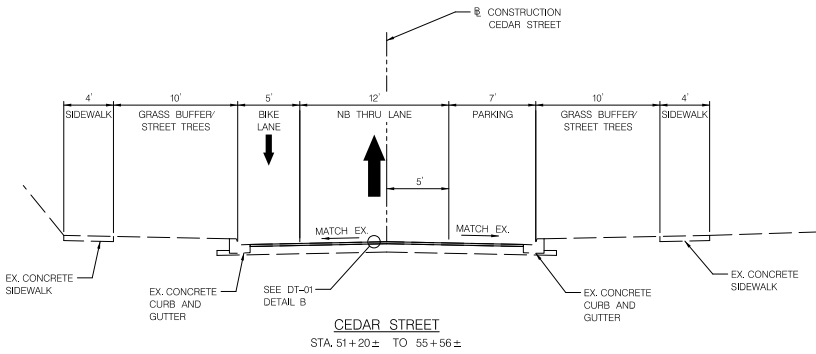
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Attachment A: Corridor Engineering Drawings



8' FROM STA. 42+16.03 TO 42+75.14
 VAR. 8'-0.67' FROM STA. 42+75.14 TO 43+02.18
 .67' FROM STA. 43+02.18 TO 43+28.67
 VAR. 0.67'-6" FROM STA. 43+28.67 TO 43+48.69
 6' FROM STA. 43+48.69 TO 43+89.82
 VAR. 6'-0.67' FROM STA. 43+89.82 TO 43+89.82
 0.67' FROM STA. 43+89.82 TO 44+23.92
 VAR. 0.67'-6" FROM STA. 44+23.92 TO 44+46.23
 6' FROM STA. 44+46.23 TO 45+45.47
 VAR. 6'-8" FROM STA. 45+45.47 TO 45+55.47
 8' FROM STA. 45+55.47 TO 45+60.47
 VAR. 8'-6" FROM STA. 45+60.47 TO 45+70.47
 6' FROM STA. 45+70.47 TO 46+30.21
 VAR. 6'-0.9" FROM STA. 46+30.21 TO 46+80.77
 EXISTING FROM 46+80.77 TO END OF SECTION



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TS-02



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 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 TYPICAL SECTIONS

SCALE: 1"=5'

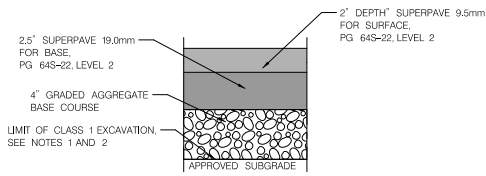
SHEET 009 of 113



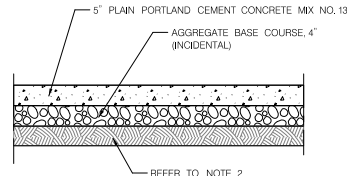
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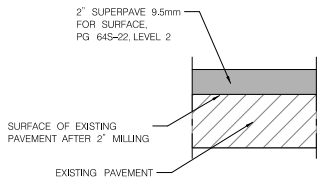
Attachment A: Corridor Engineering Drawings



PAVEMENT DETAIL A
SLIGO AVENUE SHARED USE PATH
 SHARED-USE PATH FULL DEPTH PAVEMENT
 NOT TO SCALE



PAVEMENT DETAIL C
 PCC SIDEWALK



PAVEMENT DETAIL B
ROADWAY
 FINE MILLOVERLAY ROADWAY PAVEMENT
 NOT TO SCALE

- NOTES:**
- SUBGRADE PREPARATION SHALL BE AS PER SPECIFICATIONS; PRIOR TO PLACEMENT OF PROPOSED BASE COURSE SUBGRADE SHALL BE PROFF-ROLLED.
 - UNDERCUT FOR REMOVAL OF SOFT AND/OR UNSUITABLE MATERIALS SHALL BE AS DIRECTED BY THE ENGINEER.
 - WHEN THE SUBBASE MATERIAL IS DETERMINED TO BE UNSUITABLE BY THE ENGINEER, COMPACT THE MATERIAL WITH A VIBRATORY COMPACTOR OR REMOVE UNSUITABLE MATERIAL AND REFILL WITH COMPACTED GRADED AGGREGATE BASE IN LIFTS NO GREATER THAN 4 INCHES IN DEPTH AS DIRECTED BY THE ENGINEER.
 - ALL FULL DEPTH ROADWAY PAVEMENT WIDENING SHALL BE A MINIMUM UP 4' WIDE.

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					Chief, Division of Transportation Engineering	Date _____

DT-01

DEPARTMENT OF TRANSPORTATION
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 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 PAVEMENT DETAILS

SCALE: NTS SHEET 010 of 113

Attachment A: Corridor Engineering Drawings

STRUCTURE ID NUMBER	TOP ELEVATION	INVERT	DIRECTION
001	338.60'	330.99' NE 330.92' SE 330.95' SW	
002	328.93'	320.02'	N/A
003	339.87'	332.36' NE 331.75' E 331.83' SW	
004	346.17'	335.64' E 335.46' SW 336.45' W	
005	348.09'	339.13'	SE
006	342.46'	333.22'	NW
007	339.94'	323.34' NW 323.43' NE	
008	337.96'	323.32' W 323.08' NW 323.15' SE	
009	338.03'		BOLTED SHUT
010	337.33'		BOLTED SHUT
011	332.30'	322.10' N 322.10' SE	
012	317.81'	301.40' SE 309.44' SW 301.49' NE	
013	324.28'	314.77'	N/A
014	308.93'	296.91'	N/A
015	317.16'	299.32' SW 298.61' N 298.60' E	
016	311.47'		CANNOT OPEN
017	311.48'	303.45' SW 303.41' SE	
018	317.50'	308.89'	N/A
019	311.72'	303.56' SW 303.84' NE	
020	321.56'	309.03' S 309.06' SW 310.13' NW	
021	323.62'	314.35'	N/A

STRUCTURE ID NUMBER	TOP ELEVATION	INVERT	DIRECTION
022	321.66'	313.42' NW 314.55' NE 312.25' SE	
023	343.34'	336.50'	N/A
024	345.71'	337.37'	N/A
025	337.89'	327.71'	N/A
026	345.35'	333.51'	N/A
027	337.32'	326.87' NE 327.15' SW	
028	334.69'	324.92' NE 324.94' SW	
029	330.64'		BOLTED SHUT
030	327.63'	318.20' NW 318.34' SE	
031	323.36'		CANNOT OPEN
032	322.52'	316.23' NW 316.19' W	
033	335.49'		BOLTED SHUT
034	331.30'	318.35' NW 318.34' SE 318.58' W	
035	333.83'	320.35' NW 320.29' SE 320.36' SW	
036	337.80'	328.11'	N/A
037	343.34'	333.66' NE 333.97' SW	
038	338.60'		ASPHALT
039	328.36'	322.97'	N/A
040	344.14'	340.66' NW 340.74' SW	
041	343.36'	340.16' W 340.06' NE 340.13' SE	
042	343.96'	340.15' W 340.06' NW 340.17' SW	
043	342.09'	338.81' N 339.44' SE 338.83' W	
044	342.32'	338.70' NW 338.74' S 338.68' W	

STRUCTURE ID NUMBER	TOP ELEVATION	INVERT	DIRECTION
045	342.14'	338.42' N 338.48' SE 338.35' W	
046	341.78'	332.61' N 338.14' S	
047	337.40'	325.41' NW 325.21' E 331.45' S	
048	336.69'	324.89' W 321.12' NW	
049	317.36'	307.54' SE1 308.06' SE2	
050	316.93'	307.39' NE 307.45' NW	
051	316.92'	306.86' NW 307.19' SW	
052	316.82'	306.32' NW 306.39' SE	
053	314.64'	304.29' N 304.51' S	
054	309.42'	302.90' NE 303.08' SE	
055	308.60'	299.55' NE 302.19' SW 300.89' NW1 300.87' NW2	
056	N/A	304.49' SW 304.41' E	
057	N/A	307.20'	N/A
058	300.40'	293.81'	N/A
059	308.35'	303.94'	N/A
060	308.31'	303.85'	N/A
061	312.08'	306.76' N 307.67' NE 303.49' SE	
062	312.16'	308.17' NE 308.04' SW	
063	315.21'	311.50'	N/A
064	313.18'	309.49' SW 309.42' SE	
065	314.19'		CANNOT OPEN
066	313.12'	310.63'	N/A

STRUCTURE ID NUMBER	TOP ELEVATION	INVERT	DIRECTION
067	322.10'	312.14' NW 316.47' NE 311.43' S	
068	321.92'	313.78' SW 312.99' SE 315.83' S	
069	321.74'	316.36'	N/A
070	322.54'	316.21'	N/A
071	322.14'	317.11'	N/A
072	N/A	323.34'	N/A
073	N/A	321.77'	N/A
074	323.52'	321.05'	N/A
075	323.83'	320.58' NW 320.77' SE	
076	324.85'	322.07'	N/A
077	N/A	N/A	N/A
078	314.99'		CANNOT OPEN

5/22/2024 \\lbf527-f01\shared\projects\2026\2312\T00_CADD\T00_Sheet\PHD-0002.ESS\NG-eenwcy.dgn

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					DRAWN BY: DHM III	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
					RECOMMENDED FOR APPROVAL	
					Chief, Design Section	Date
					APPROVED	
					Chief, Division of Transportation Engineering	Date

DT-02

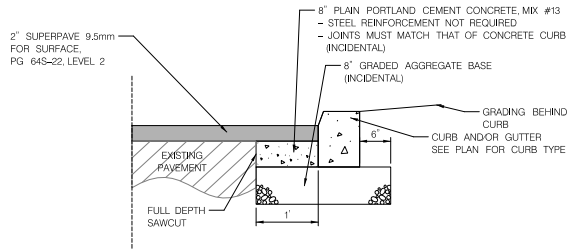
DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 EXISTING MANHOLE AND
 PIPE INVERTS

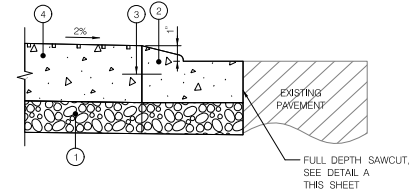
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SHEET 011 of 113

Attachment A: Corridor Engineering Drawings



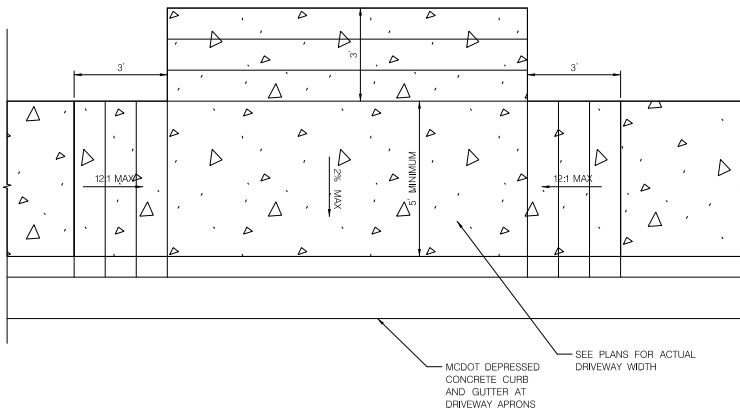
DETAIL A
CONCRETE CURB PATCH



DETAIL C
TRUCK APRON

LEGEND

- ① 8 INCH GRADED AGGREGATE BASE, TWO EQUAL LAYERS
- ② STANDARD TYPE "C" CURB AND GUTTER, MDOT SHA STD. NO. 620.02-01
- ③ 12" LONGITUDINAL TIE DEVICE, 8' LENGTH 36" O.C.
- ④ 11 INCH STAMPED CONCRETE TRAFFIC BEARING PORTLAND CEMENT MIX; PATTERN: AS DIRECTED BY THE ENGINEER



DETAIL B
CONCRETE DRIVEWAY APRON

SEE PLANS FOR ACTUAL DRIVEWAY WIDTH
MDOT DEPRESSED CONCRETE CURB AND GUTTER AT DRIVEWAY APRONS

5/22/2024 \\lbf527-f01\shared\projects\20262312\T00_CADD\T00_Sheet\PHD-0003.ESS\NGreenway.dgn

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					APPROVED	
					Chief, Division of Transportation Engineering	Date

DT-03

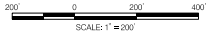
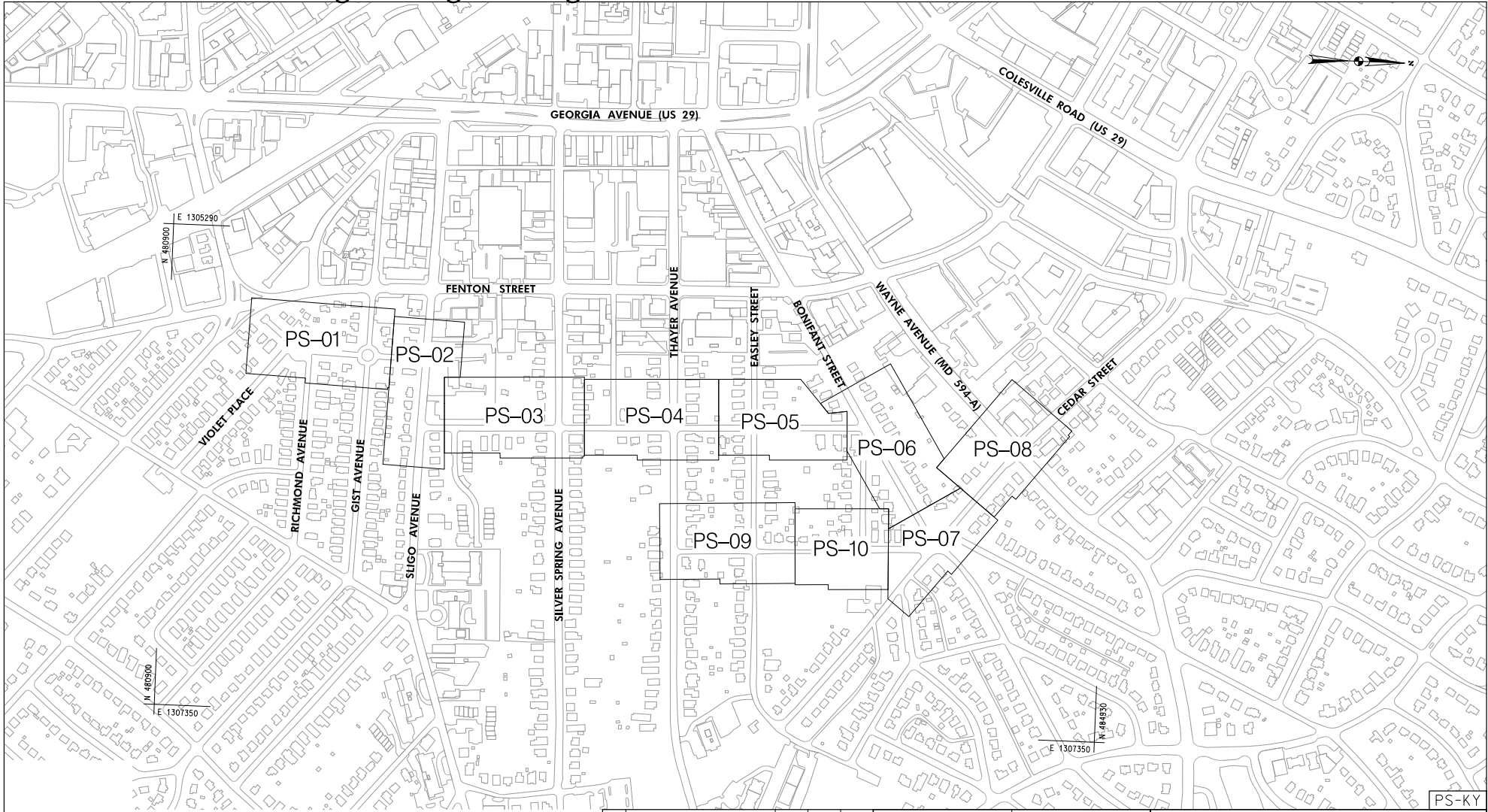
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
ROADWAY DETAILS

SCALE: NTS

SHEET 012 of 113

Attachment A: Corridor Engineering Drawings



NO.	REVISION	BY	APP'D	DATE

DESIGNED BY: DHM III	DATE: MAY, 2024
DRAWN BY: DHM III	DATE: MAY, 2024
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Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
ROADWAY PLAN KEY

SCALE: 1"=200'

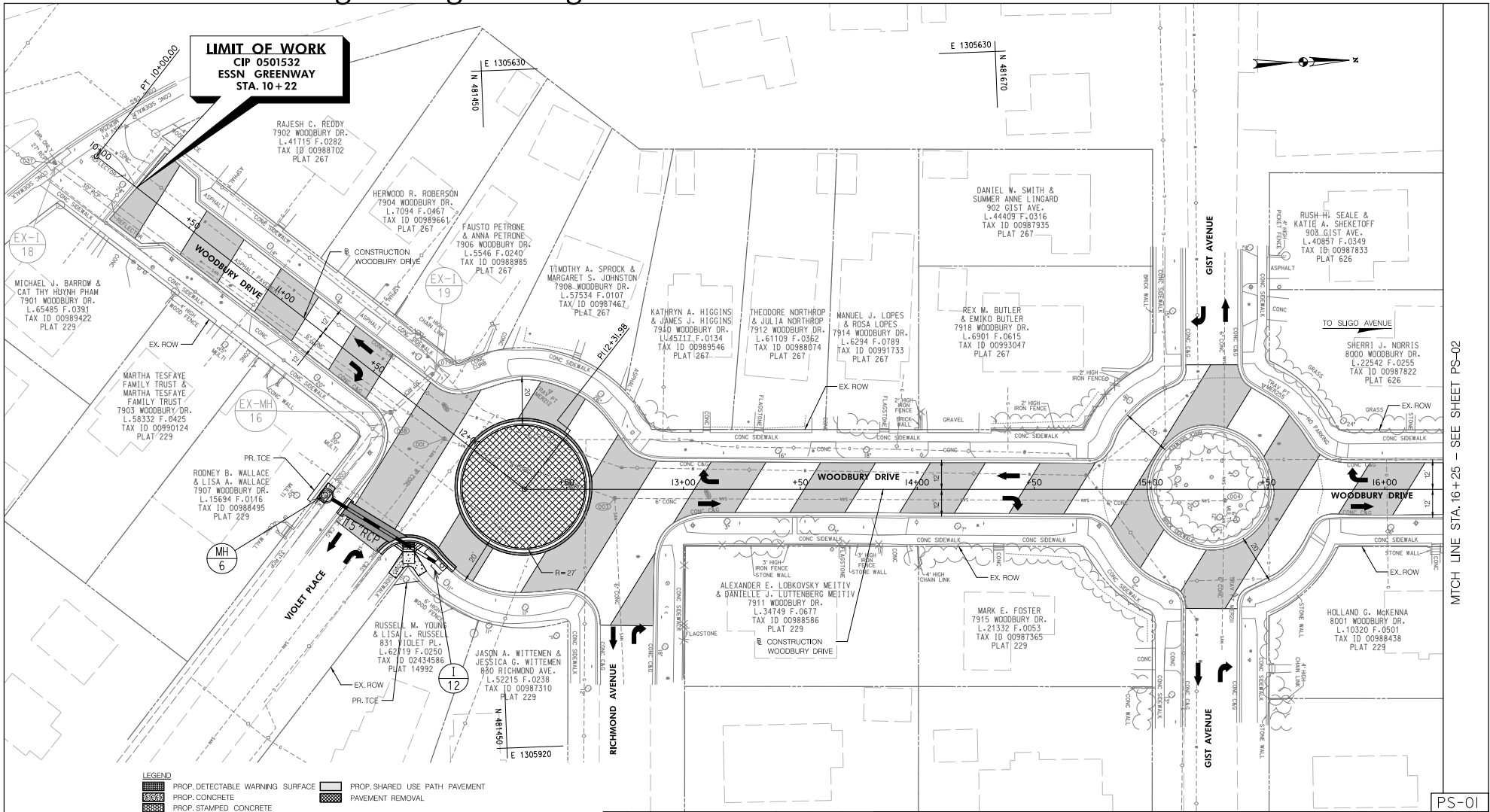
SHEET 013 of 113

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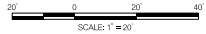
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Attachment A: Corridor Engineering Drawings



LIMIT OF WORK
CIP 0501532
ESSN GREENWAY
STA. 10+22

LEGEND	
	PROP. DETECTABLE WARNING SURFACE
	PROP. CONCRETE
	PROP. STAINED CONCRETE
	PROP. ROADWAY FINE MILL & OVERLAY
	PROP. ROADWAY PAVEMENT
	PROP. SHARED USE PATH PAVEMENT
	PAVEMENT REMOVAL



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

DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 ROADWAY PLAN

SCALE: 1"=20' SHEET 014 of 113

5/22/2024 \\l16527-f01\shared\projects\202623122\T00_CADD\T00_Sheet\PHD-P01_ESSNGreenway.dgn

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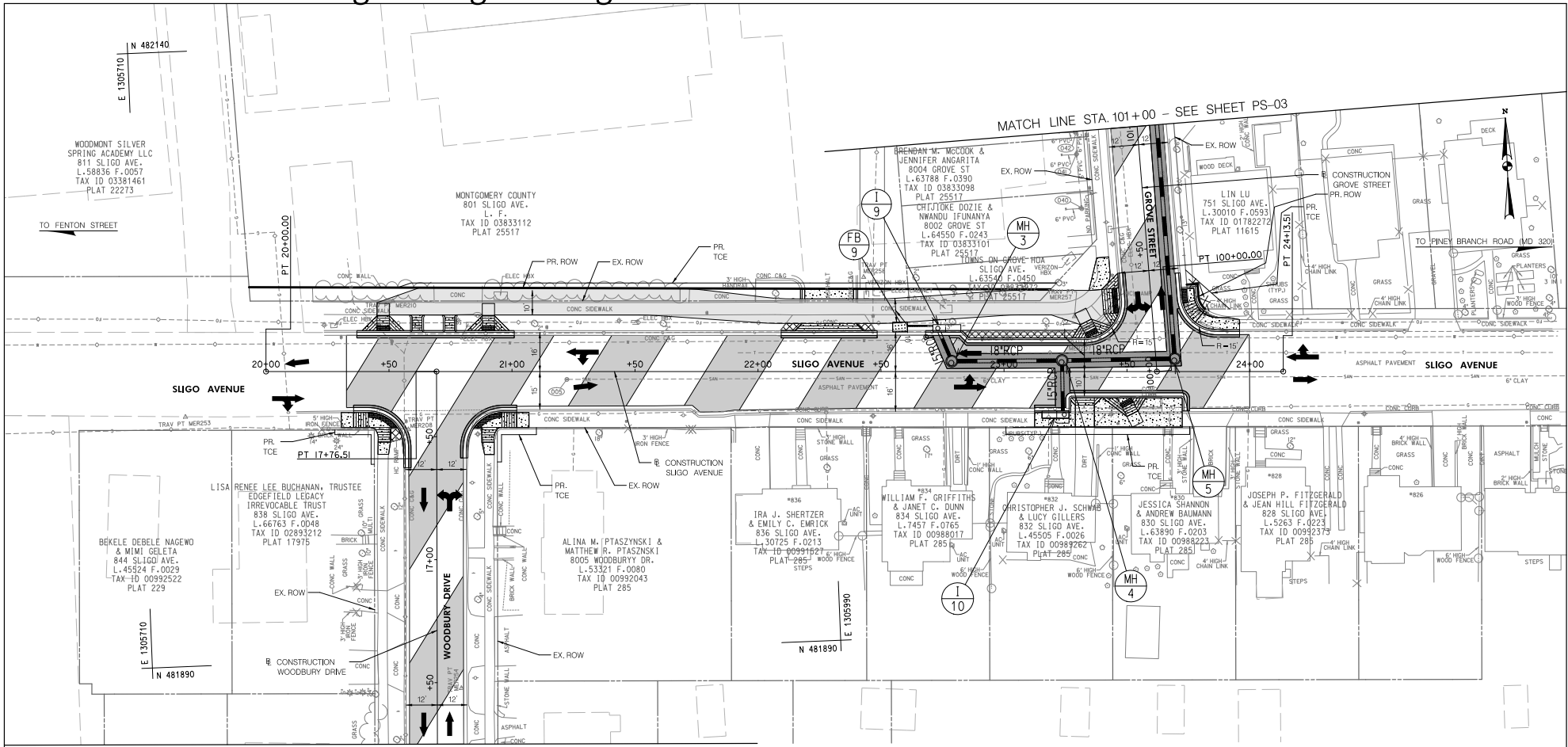


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MATCH LINE STA. 16+25 - SEE SHEET PS-02

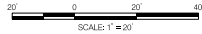
PS-01

Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 16+25 - SEE SHEET PS-01

LEGEND	
	PROP. DETECTABLE WARNING SURFACE
	PROP. CONCRETE
	PROP. STAMPED CONCRETE
	PROP. ROADWAY FINE MILL & OVERLAY
	PROP. ROADWAY PAVEMENT
	PROP. SHARED USE PATH PAVEMENT
	PAVEMENT REMOVAL



NO.	REVISION	BY	APP'D	DATE

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CHECKED BY: SJZ	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL	
Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date

PS-02

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREEN
ROADWAY PLAN

SCALE: 1"=20'

SHEET 015 of 113

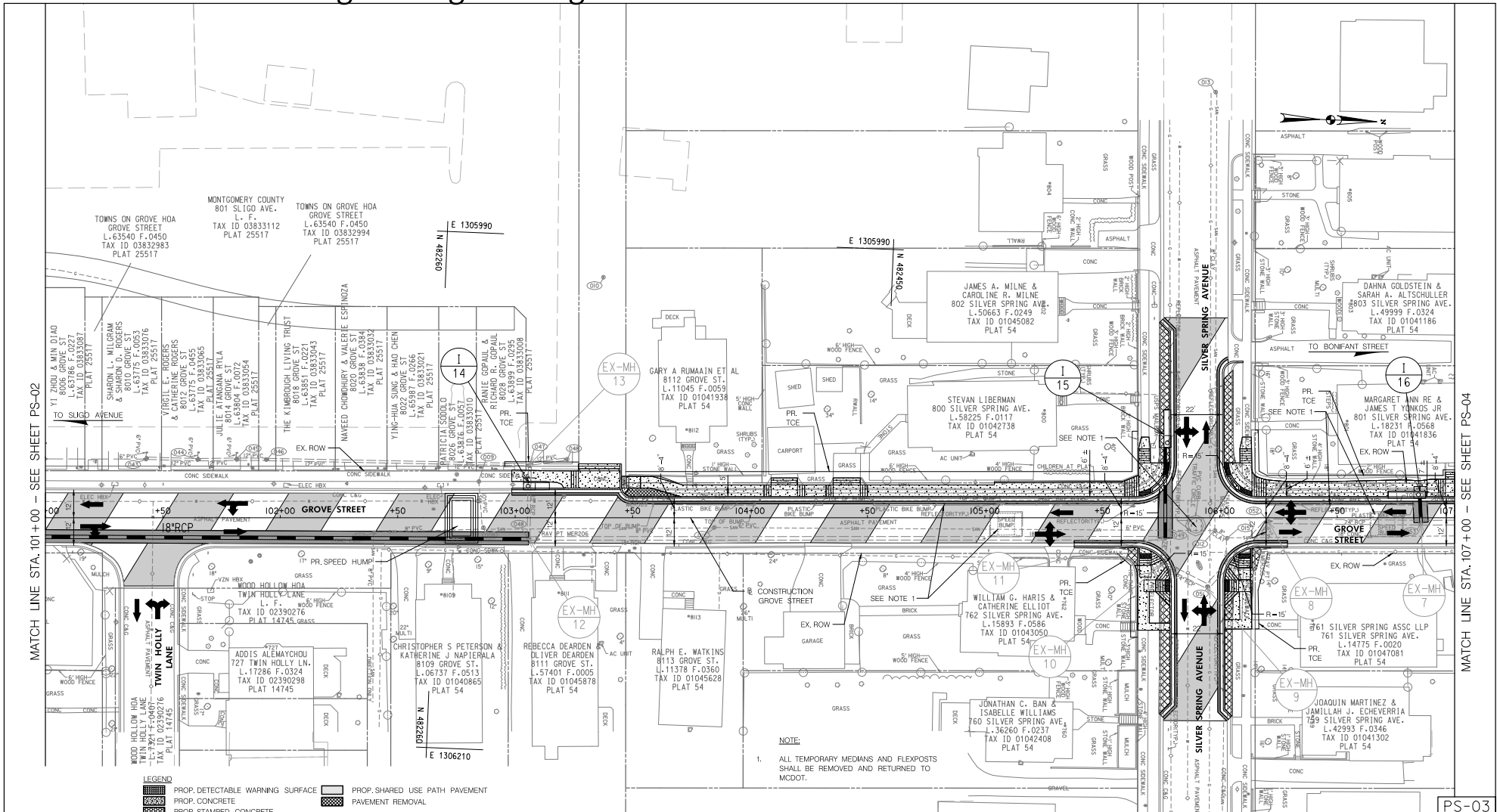


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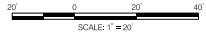
Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 101+00 - SEE SHEET PS-02

MATCH LINE STA. 107+00 - SEE SHEET PS-03

- LEGEND**
- PROP. DETECTABLE WARNING SURFACE
 - PROP. CONCRETE
 - PROP. STAINED CONCRETE
 - PROP. ROADWAY FINE MILL & OVERLAY
 - PROP. ROADWAY PAVEMENT
 - PROP. SHARED USE PATH PAVEMENT
 - PAVEMENT REMOVAL



NOTE:
1. ALL TEMPORARY MEDIANS AND FLEXPOSTS SHALL BE REMOVED AND RETURNED TO MCDOT.

NO.	REVISION	BY	APPD	DATE	DESIGNED BY: DHM III	DATE: MAY, 2024
					DRAWN BY: DHM III	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
Chief, Design Section					Date	
APPROVED						
Chief, Division of Transportation Engineering					Date	

DEPARTMENT OF TRANSPORTATION
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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
ROADWAY PLAN

SCALE: 1"=20' SHEET 016 of 113

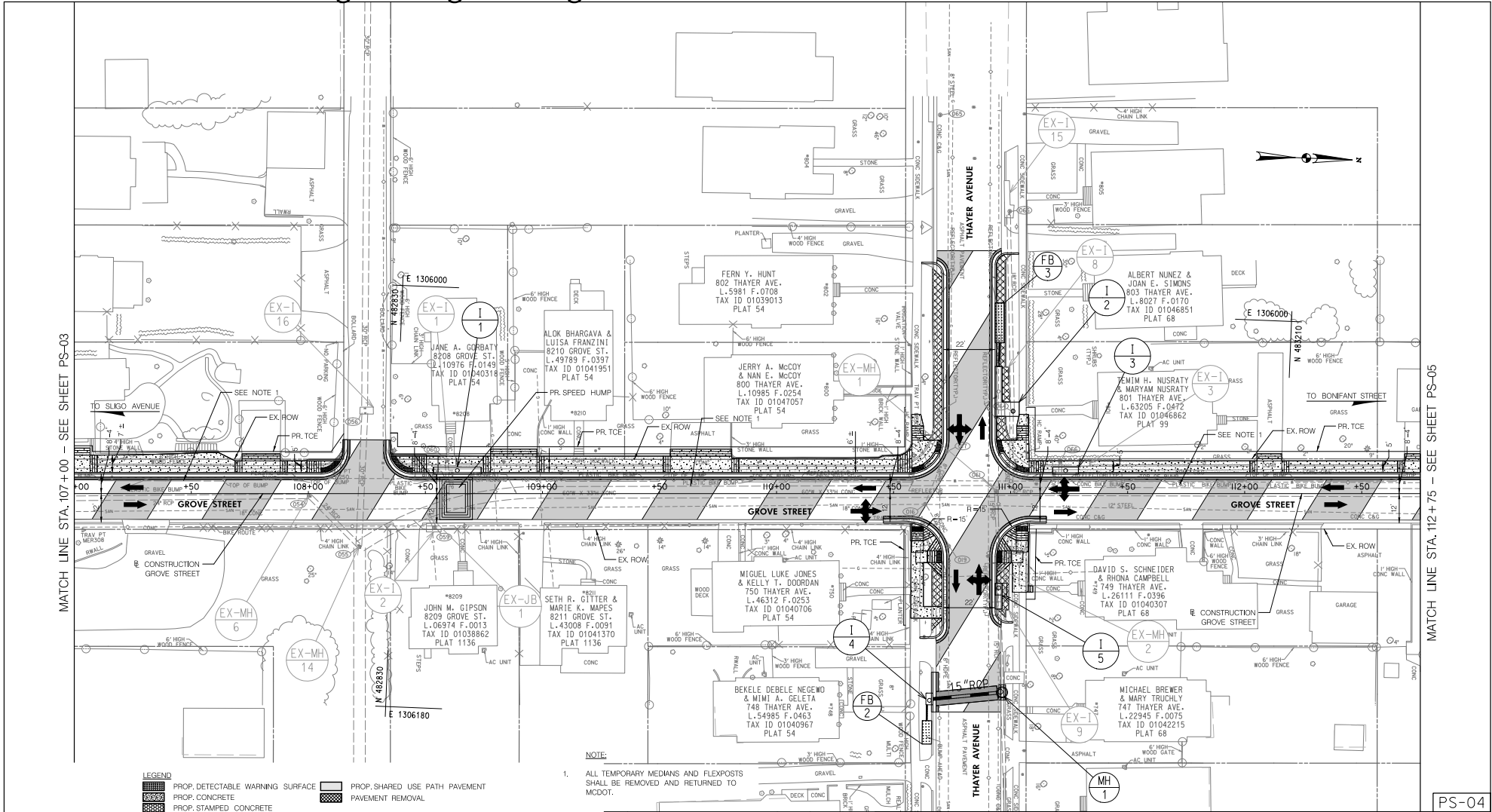
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Attachment A: Corridor Engineering Drawings

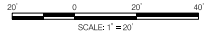


MATCH LINE STA. 107+00 - SEE SHEET PS-03

MATCH LINE STA. 112+75 - SEE SHEET PS-05

PS-04

- LEGEND**
- PROP. DETECTABLE WARNING SURFACE
 - PROP. CONCRETE
 - PROP. STAINED CONCRETE
 - PROP. ROADWAY FINE MILL & OVERLAY
 - PROP. ROADWAY PAVEMENT
 - PROP. SHARED USE PATH PAVEMENT
 - PAVEMENT REMOVAL



NOTE:
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					CHECKED BY: S.JZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:

RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____

APPROVED

Chief, Division of Transportation Engineering _____ Date _____

DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 ROADWAY PLAN

SCALE: 1"=20' SHEET 017 of 113

5/22/2024 \\lbf527-f01\shared\projects\202623122\T00_CADD\T00_Sheet\pld-p004_LESSNG-enw-vgp

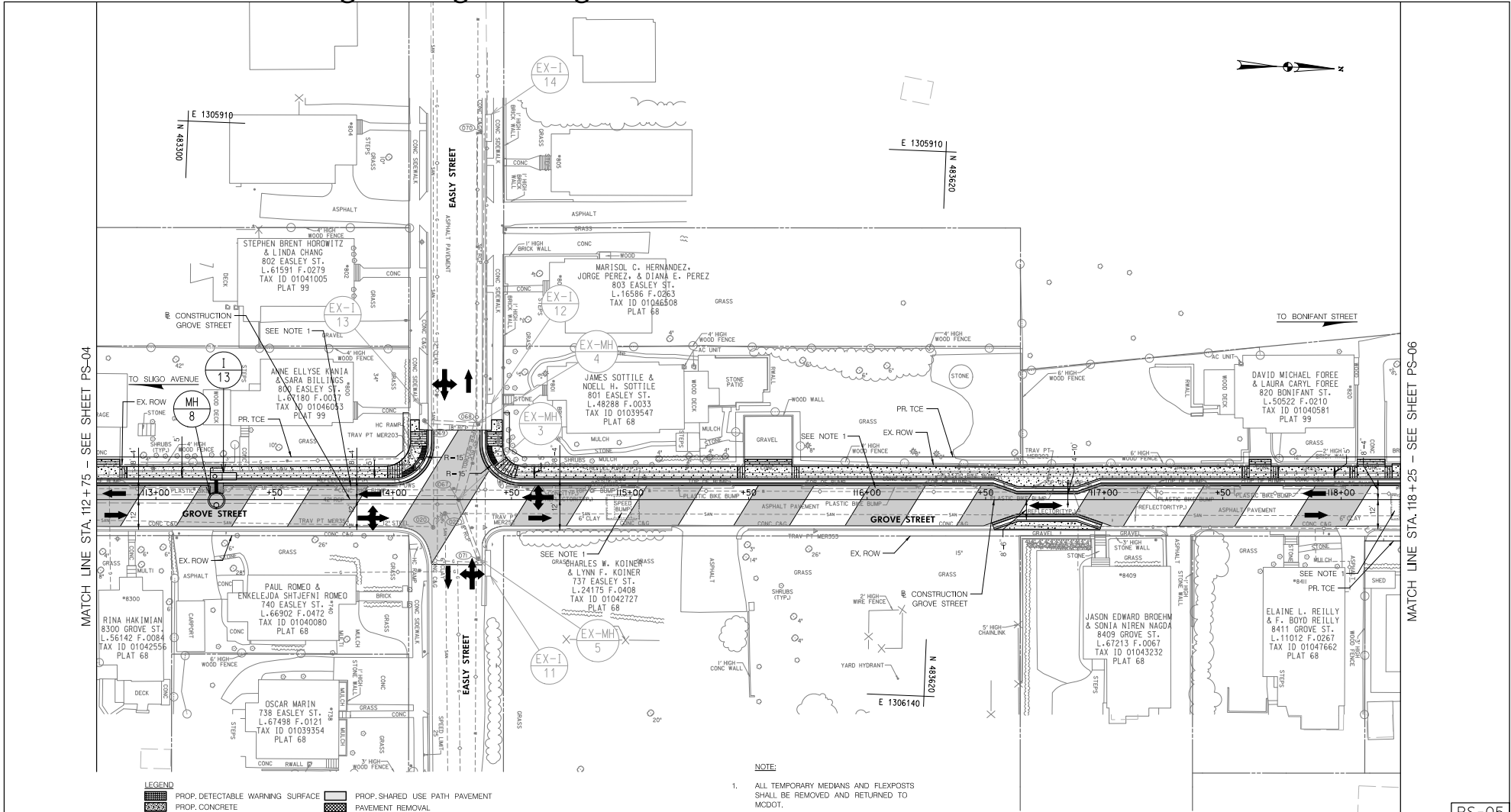
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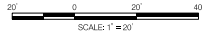
Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 112+75 - SEE SHEET PS-04

MATCH LINE STA. 118+25 - SEE SHEET PS-06

LEGEND	
	PROP. DETECTABLE WARNING SURFACE
	PROP. CONCRETE
	PROP. STAINED CONCRETE
	PROP. ROADWAY FINE MILL & OVERLAY
	PROP. ROADWAY PAVEMENT
	PROP. SHARED USE PATH PAVEMENT
	PAVEMENT REMOVAL



NOTE:
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					DRAWN BY: DHM III	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
					APPROVED	
					Chief, Division of Transportation Engineering	Date

5/22/2024 \\lbf527-f01\shared\projects\2026\2312\T00_CADD\T00_Sheet\PHD-P005.ESS\Gr-eenvwy.dgn

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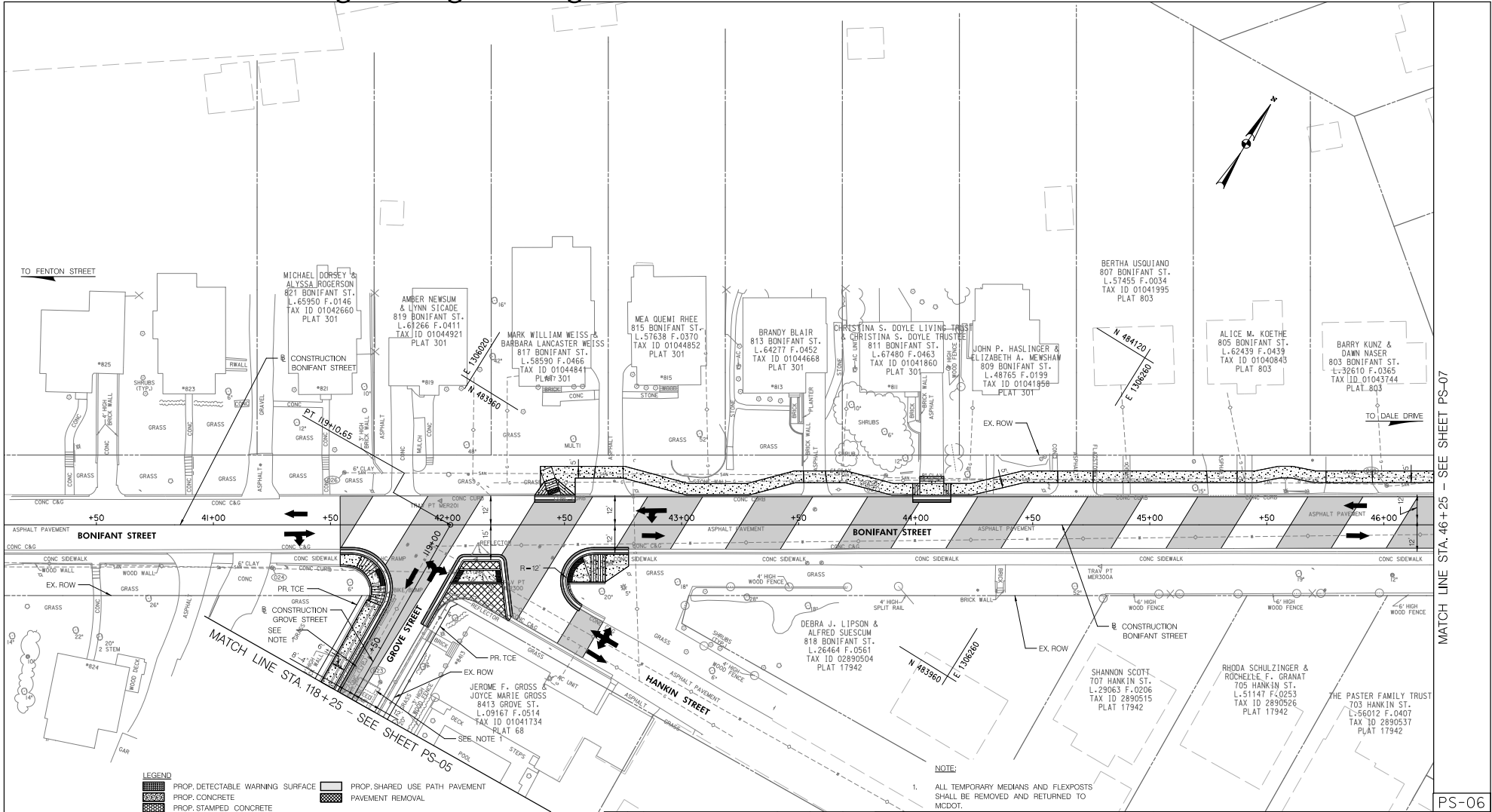
EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
ROADWAY PLAN

SCALE: 1"=20'

SHEET 018 of 113

PS-05

Attachment A: Corridor Engineering Drawings



LEGEND	
	PROP. DETECTABLE WARNING SURFACE
	PROP. CONCRETE
	PROP. STAINED CONCRETE
	PROP. ROADWAY FINE MILL & OVERLAY
	PROP. ROADWAY PAVEMENT
	PROP. SHARED USE PATH PAVEMENT
	PAVEMENT REMOVAL



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					Chief, Division of Transportation Engineering	Date

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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
ROADWAY PLAN

SCALE: 1"=20' SHEET 019 of 113

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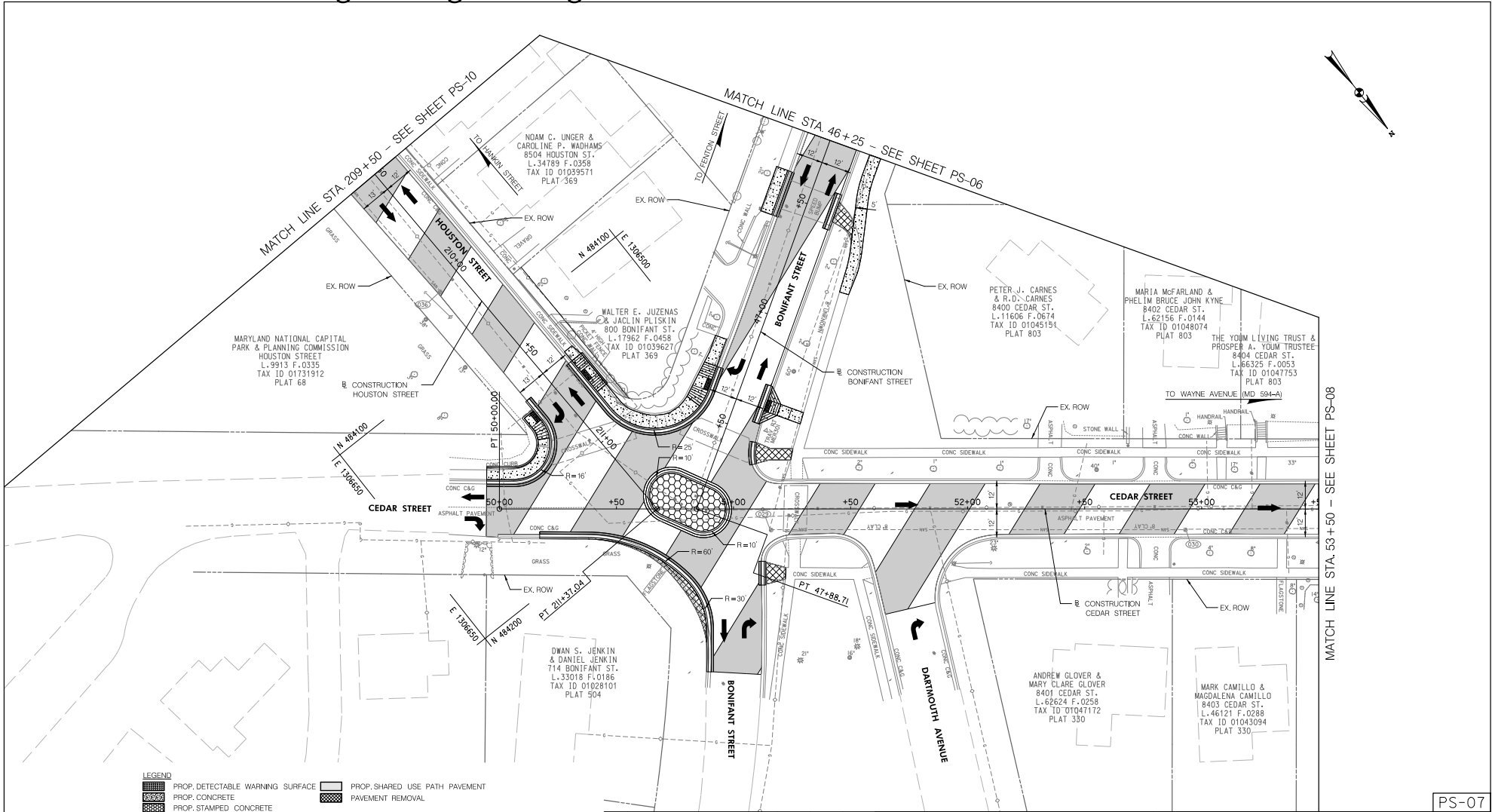
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MATCH LINE STA. 46+25 - SEE SHEET PS-07

PS-06

Attachment A: Corridor Engineering Drawings



LEGEND	
	PROP. DETECTABLE WARNING SURFACE
	PROP. CONCRETE
	PROP. STAINED CONCRETE
	PROP. ROADWAY FINE MILL & OVERLAY
	PROP. ROADWAY PAVEMENT
	PROP. SHARED USE PATH PAVEMENT
	PAVEMENT REMOVAL



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

PS-07

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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
ROADWAY PLAN

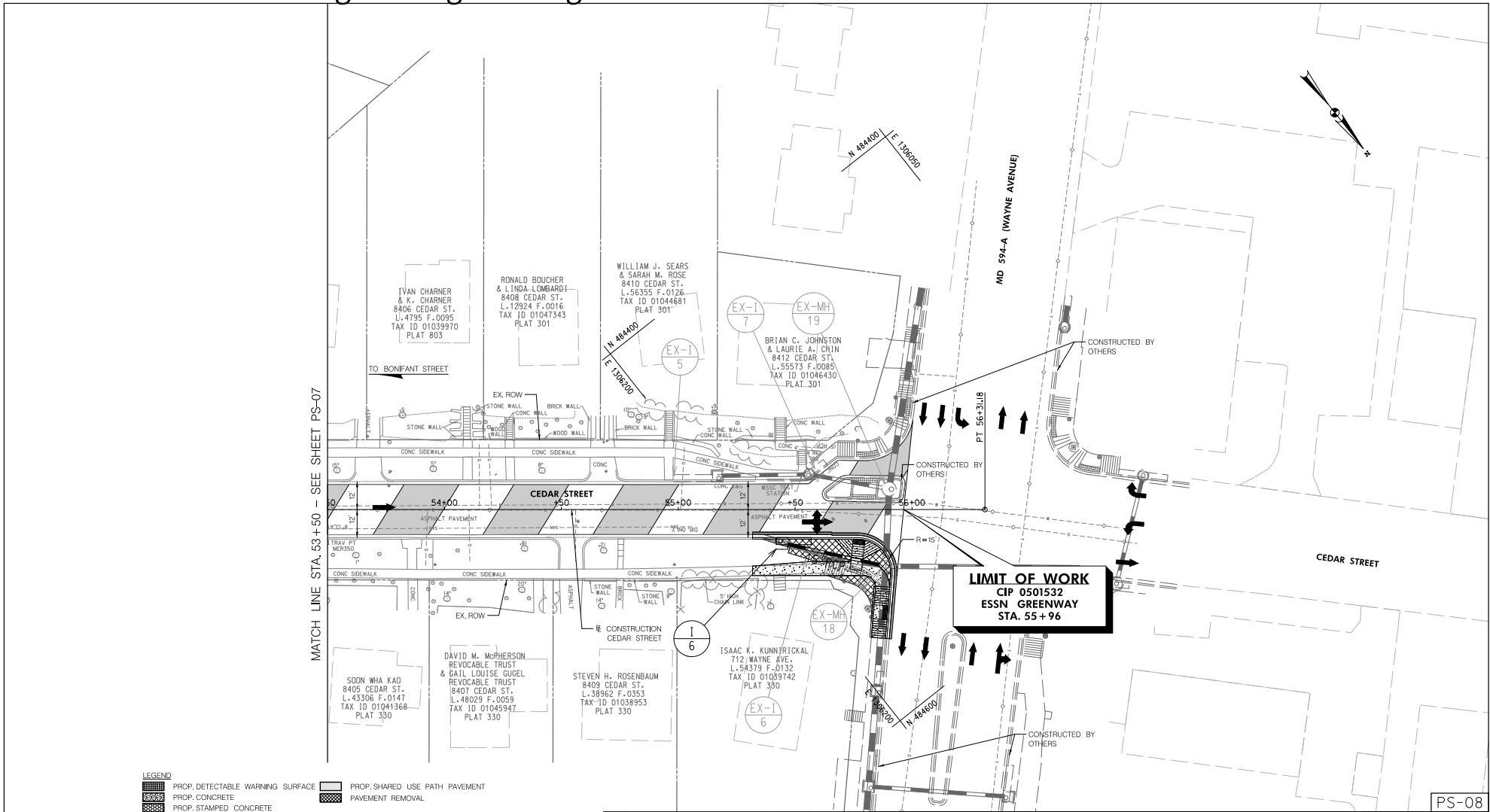
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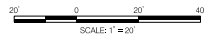
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Attachment A: Corridor Engineering Drawings



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LEGEND	
	PROP. DETECTABLE WARNING SURFACE
	PROP. CONCRETE
	PROP. STAINED CONCRETE
	PROP. ROADWAY FINE MILL & OVERLAY
	PROP. ROADWAY PAVEMENT
	PROP. SHARED USE PATH PAVEMENT
	PAVEMENT REMOVAL



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APPROVED						
Chief, Division of Transportation Engineering					Date	

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DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

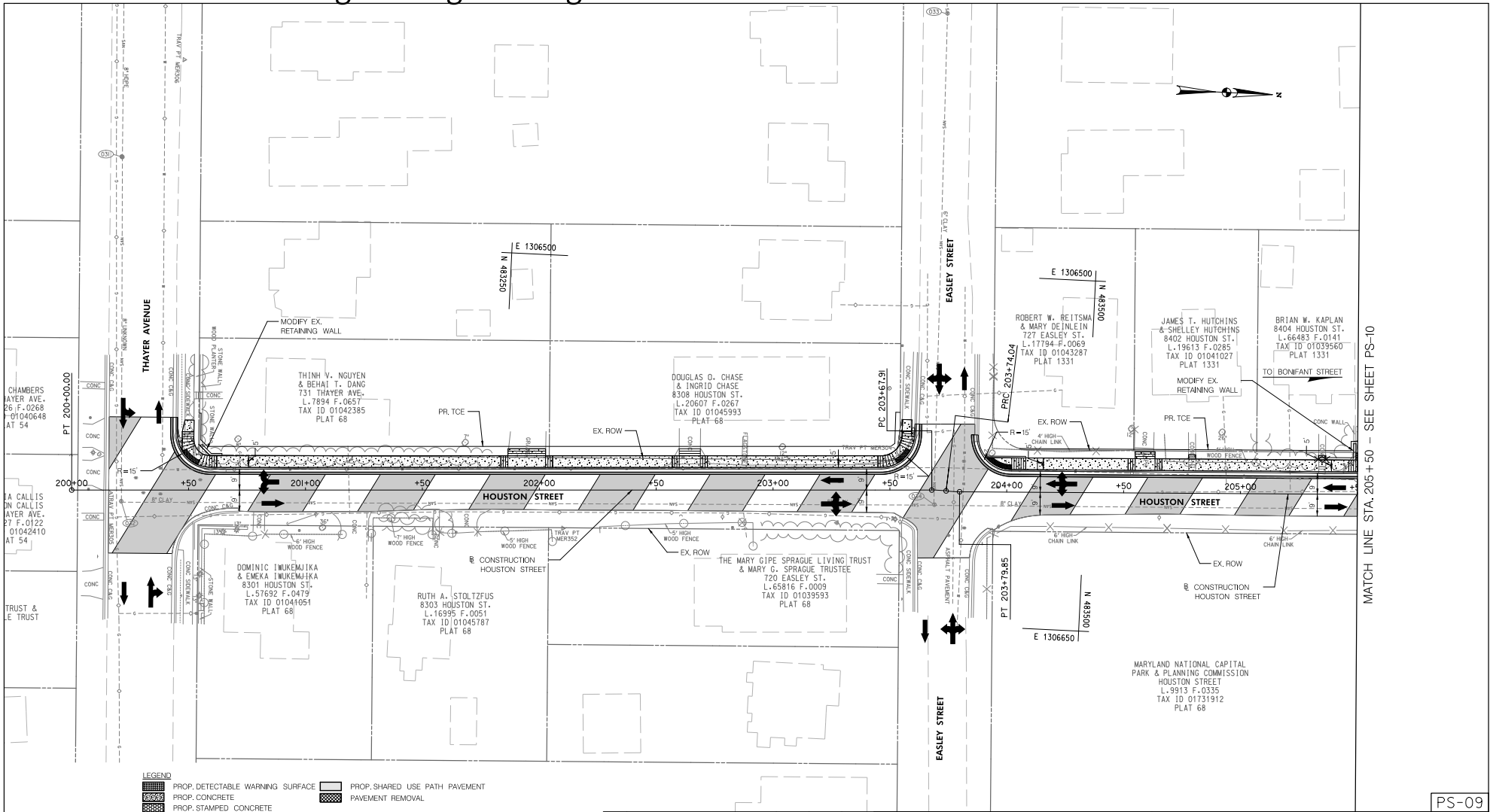
EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
ROADWAY PLAN

SCALE: 1"=20' SHEET 021 of 113

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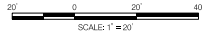
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LICENSE NO. _____ EXPIRATION DATE: _____

Attachment A: Corridor Engineering Drawings



LEGEND

	PROP. DETECTABLE WARNING SURFACE		PROP. SHARED USE PATH PAVEMENT
	PROP. CONCRETE		PAVEMENT REMOVAL
	PROP. STAINED CONCRETE		
	PROP. ROADWAY FINE MILL & OVERLAY		
	PROP. ROADWAY PAVEMENT		



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NO.	REVISION	BY	APP'D	DATE

DESIGNED BY: DHM III	DATE: MAY, 2024
DRAWN BY: DHM III	DATE: MAY, 2024
CHECKED BY: SJZ	DATE: MAY, 2024
DRAWING NO.:	DATE:
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Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
ROADWAY PLAN

SCALE: 1"=20' SHEET 022 of 113

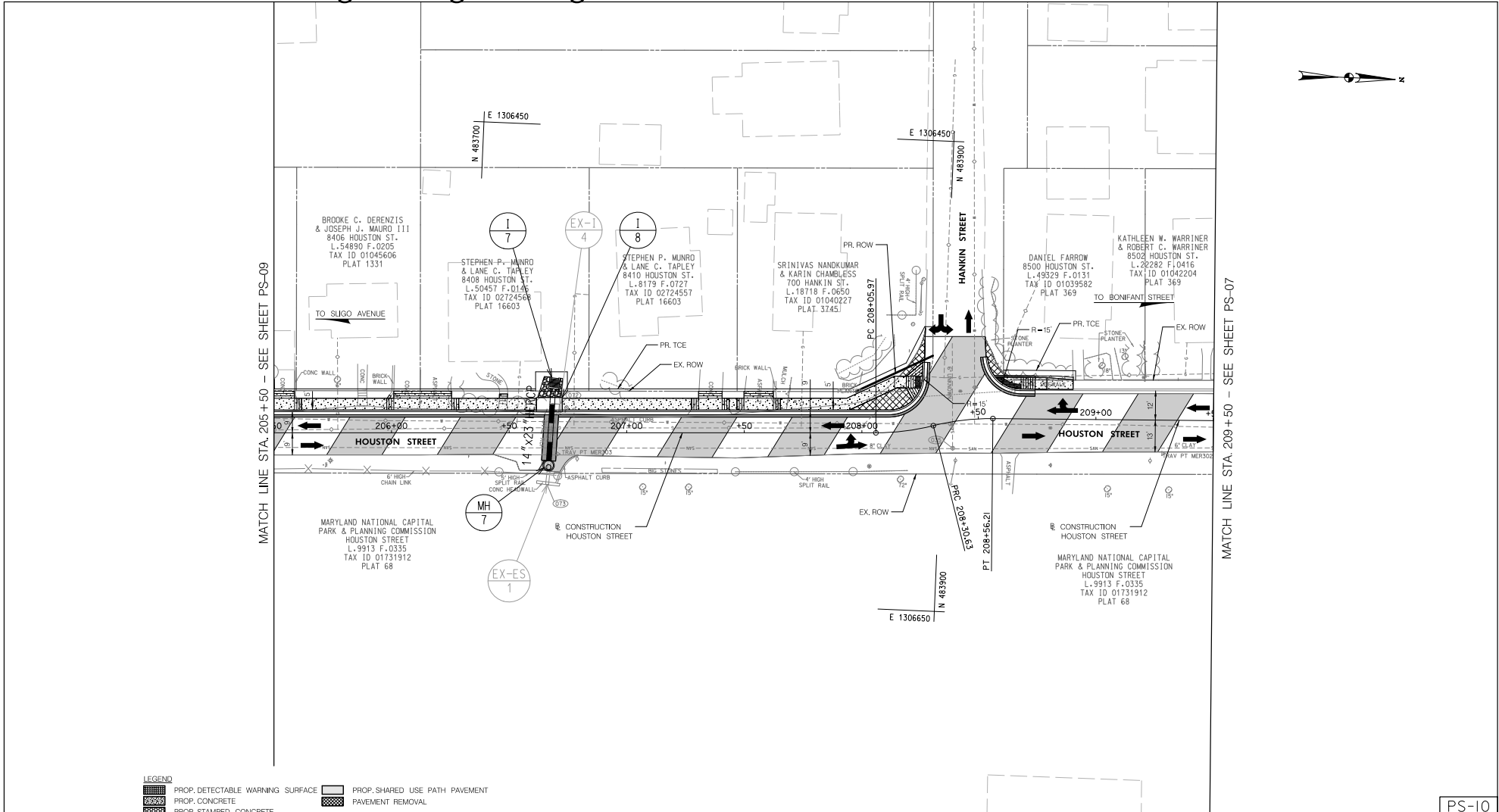
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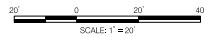
MATCH LINE STA. 205+50 - SEE SHEET PS-10

PS-09

Attachment A: Corridor Engineering Drawings



LEGEND	
	PROP. DETECTABLE WARNING SURFACE
	PROP. CONCRETE
	PROP. STAINED CONCRETE
	PROP. ROADWAY FINE MILL & OVERLAY
	PROP. ROADWAY PAVEMENT
	PROP. SHARED USE PATH PAVEMENT
	PAVEMENT REMOVAL



PS-10

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: DHM III	DATE: MAY, 2024
					DRAWN BY: DHM III	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
Chief, Design Section					Date	
APPROVED						
Chief, Division of Transportation Engineering					Date	

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
ROADWAY PLAN

SCALE: 1"=20'

SHEET 023 of 113

5/22/2024 \\lbf527-f01\shared\projects\202623122\T00_CADD\T00_Sheet\PHD-P010.ESS\Greenway.dgn

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Attachment A: Corridor Engineering Drawings

DRAINAGE STRUCTURE SCHEDULES							
STRUCTURE	STATION	OFFSET	TYPE	TOP ELEV.	INV. OUT	STANDARD	REMARKS
MH-6	11+66.93	54.15' RT	MCDOT TYPE A MANHOLE	338.00	331.23	MC-510.01	60" MANHOLE
I-2	12+24.21	45.33' RT	MCDOT TYPE B INLET	337.95	331.60	MC-502.01	10' THROAT OPENING
I-9	22+73.09	16.00' LT	MCDOT TYPE B INLET	1-9	340.11	MC-502.01	10' THROAT OPENING
MH-3	22+78.77	4.22' LT	MCDOT TYPE A MANHOLE	MH-3	335.36	MC-510.01	48" MANHOLE
I-10	23+15.87	16.00' RT	MCDOT TYPE B INLET	I-10	340.20	MC-502.01	10' THROAT OPENING
MH-4	23+19.22	4.41' LT	MCDOT TYPE A MANHOLE	345.25	331.00	MC-510.01	48" MANHOLE
MH-5	100+04.60	7.63' RT	MCDOT TYPE A MANHOLE	344.50	330.22	MC-510.01	48" MANHOLE
I-4	103+05.46	11.90' LT	MCDOT TYPE B INLET	I-4	325.10	MC-502.01	10' THROAT OPENING
I-5	105+71.69	36.02' LT	MCDOT TYPE B INLET	I-5	308.50	MC-502.01	15' THROAT OPENING
I-6	106+84.59	8.32' LT	MCDOT TYPE B INLET	I-6	304.50	MC-502.01	15' THROAT OPENING
I-1	108+63.62	8.33' LT	MCDOT TYPE A INLET	308.31	303.15	MC-501.01	20' THROAT OPENING
I-4	110+65.31	87.73' RT	MCDOT TYPE A INLET	I-4	309.65	MC-501.01	5' THROAT OPENING
MH-1	110+96.33	84.91' RT	MCDOT TYPE A MANHOLE	MH-1	309.40	MC-510.01	48" MANHOLE
I-5	110+94.87	43.82' RT	MCDOT TYPE B INLET	I-5	308.31	MC-502.01	10' THROAT OPENING
I-2	110+99.54	43.66' LT	MCDOT TYPE B INLET- MODIFIED	313.18	309.42	MODIFIED MC-502.01	20' THROAT OPENING
I-3	111+23.48	8.33' LT	MCDOT TYPE A INLET	313.12	309.66	MC-501.01	10' THROAT OPENING
I-3	113+24.87	8.33' LT	MCDOT TYPE B INLET	321.74	316.36	MC-502.01	10' THROAT OPENING
I-6	55+43.76	12.00' RT	MCDOT TYPE B INLET	I-6	I-6	MC-502.01	15' THROAT OPENING
I-8	206+67.13	5.00' LT	PRECAST OR DIP COS OPENING	325.70	325.00	MD-374.68	10' THROAT OPENING
I-7	206+59.29	21.09' LT	MCDOT TYPE E INLET	324.96	322.29	MC-504.01	E YARD INLET
MH-7	206+66.8	13.9' RT	MCDOT TYPE A MANHOLE	325.06	322.04	MC-510.01	60" MANHOLE
MH-8	113+25.88	0.31' RT	MCDOT TYPE A MANHOLE	319.06	310.25	MC-510.01	72" MANHOLE

GENERAL NOTES

- STATION AND OFFSETS FOR MANHOLES IS GIVEN TO THE GEOMETRIC CENTER OF THE MANHOLE AND THE TOP ELEVATION IS GIVEN TO THE TOP OF MANHOLE COVER.
- STATIONS FOR COG INLETS IS GIVEN TO THE GEOMETRIC CENTER OF THE BASE UNIT STRUCTURE. THE OFFSET IS GIVEN TO THE FACE OF CURB AT CENTER OF TROUGH AND THE TOP ELEVATION IS GIVEN TO THE TOP OF CURB.
- STATION AND OFFSETS FOR TYPE 'S' INLETS AND YARD INLETS ARE GIVEN TO THE GEOMETRIC CENTER OF THE INLET AND THE TOP ELEVATION IS GIVEN TO THE TOP OF GRATE.
- INLET I-2 TO HAVE MODIFIED BASE UNIT THAT WILL BE BUILT OVER EXISTING PIPE. IT WILL EXTEND 8' TO THE BACK.
- CONTRACTOR TO VERIFY ALL EXISTING STORM DRAIN INVERTS PRIOR TO ORDERING AND FABRICATION ALL PROPOSED INLETS AND MANHOLES.

PIPE SCHEDULES

UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	SIZE	TYPE	LENGTH (FT)
I-2	MH-6	15"	RCP, CL IV	53
I-9	MH-3	15"	RCP, CL IV	11
MH-3	MH-4	18"	RCP, CL IV	36
I-10	MH-4	15"	RCP, CL IV	20
MH-4	MH-5	18"	RCP, CL IV	46
MH-5	EX-MH-2	18"	RCP, CL IV	299
I-16	EX-MH-11	15"	RCP, CL IV	39
I-4	EX-MH-7	15"	RCP, CL IV	10
I-4	MH-8	15"	RCP, CL IV	28
I-13	MH-8	15"	RCP, CL IV	6
I-6	EX-MH-18	15"	RCP, CL IV	40
I-7	MH-7	14" BY 23"	HERCP, CL IV	30

REMOVE EXISTING DRAINAGE STRUCTURE SCHEDULE**

STRUCTURE	STATION	OFFSET	TYPE
EX-11	108+59.28	14.2' LT	INLET
EX-13	111+21.12	13.73' LT	INLET
EX-16	55+60.96	21.27' RT	INLET

**REMOVE AND DISPOSE OF ALL EXISTING STORM DRAIN STRUCTURES THAT ARE IN CONFLICT WITH PROPOSED UTILITIES AND PROPOSED CONSTRUCTION TO BE PAID FOR AS REMOVAL OF EXISTING MASONRY - CAT. CODE 210030.

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

DD-01

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
					DRAWN BY: SMH	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
					RECOMMENDED FOR APPROVAL	
					Chief, Design Section	Date
					APPROVED	
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 DRAINAGE SCHEDULES

SCALE: NONE

SHEET 024 of 113

5/22/2024 \\US1527-F01\shared\projects\202623122\T00_CADD\T00_Sheet\pdd-000_LSSNGreenway.dgn

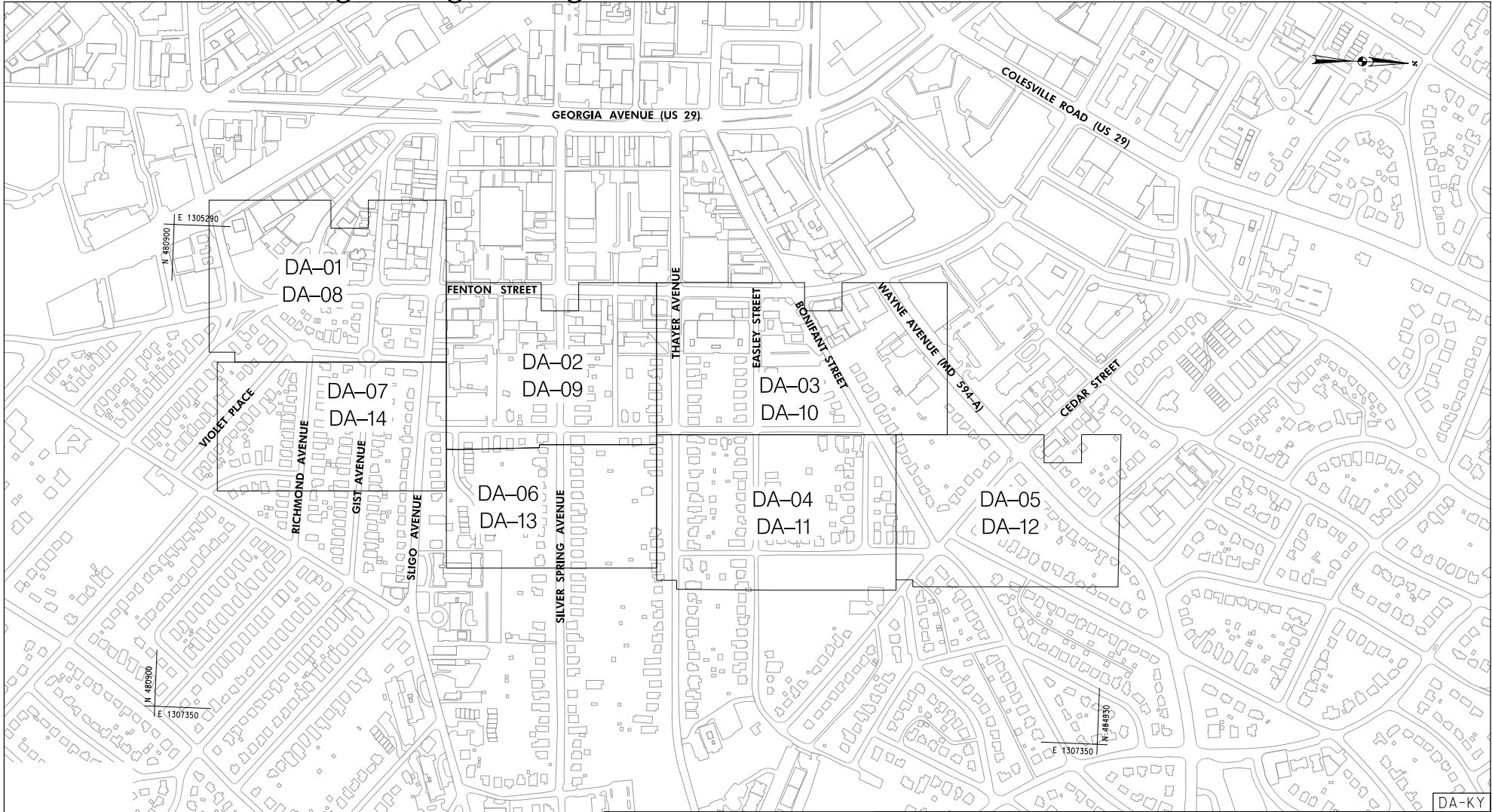
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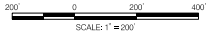
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Attachment A: Corridor Engineering Drawings



DA-KY



NO.	REVISION	BY	APP'D	DATE

DESIGNED BY: DHM III	DATE: MAY, 2024
DRAWN BY: DHM III	DATE: MAY, 2024
CHECKED BY: SJZ	DATE: MAY, 2024
DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL	
Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 DRAINAGE AREA MAP KEY

SCALE: 1"=200' SHEET 025 of 113

5/22/2024 \\lfs1527-f01\shared\proj\projects\2026\2312\T00_CADD\T00_Sheet\DA-KY_LESS\Greenway.dgn

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Attachment A: Corridor Engineering Drawings



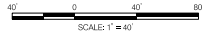
LEGEND

- DRAINAGE AREA
- LAND USE, IMPERVIOUS
- LAND USE, OPEN SPACE
- PCI
- HYDROLOGIC SOIL BOUNDARY
- HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE

PCI	AREA (ACRE)
1	24.60
2	4.84
3	5.06
4	6.34
5	0.81
6	0.46
7	0.17
8	0.48
9	0.06
10	0.62
11	0.10

MATCH LINE - SEE SHEET DA-07



NO.	REVISION	BY	APP'D	DATE

DESIGNED BY: SMH	DATE: MAY, 2024
DRAWN BY: SMH	DATE: MAY, 2024
CHECKED BY: SJZ	DATE: MAY, 2024
DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL	
Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
EXISTING CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40' SHEET 026 of 026

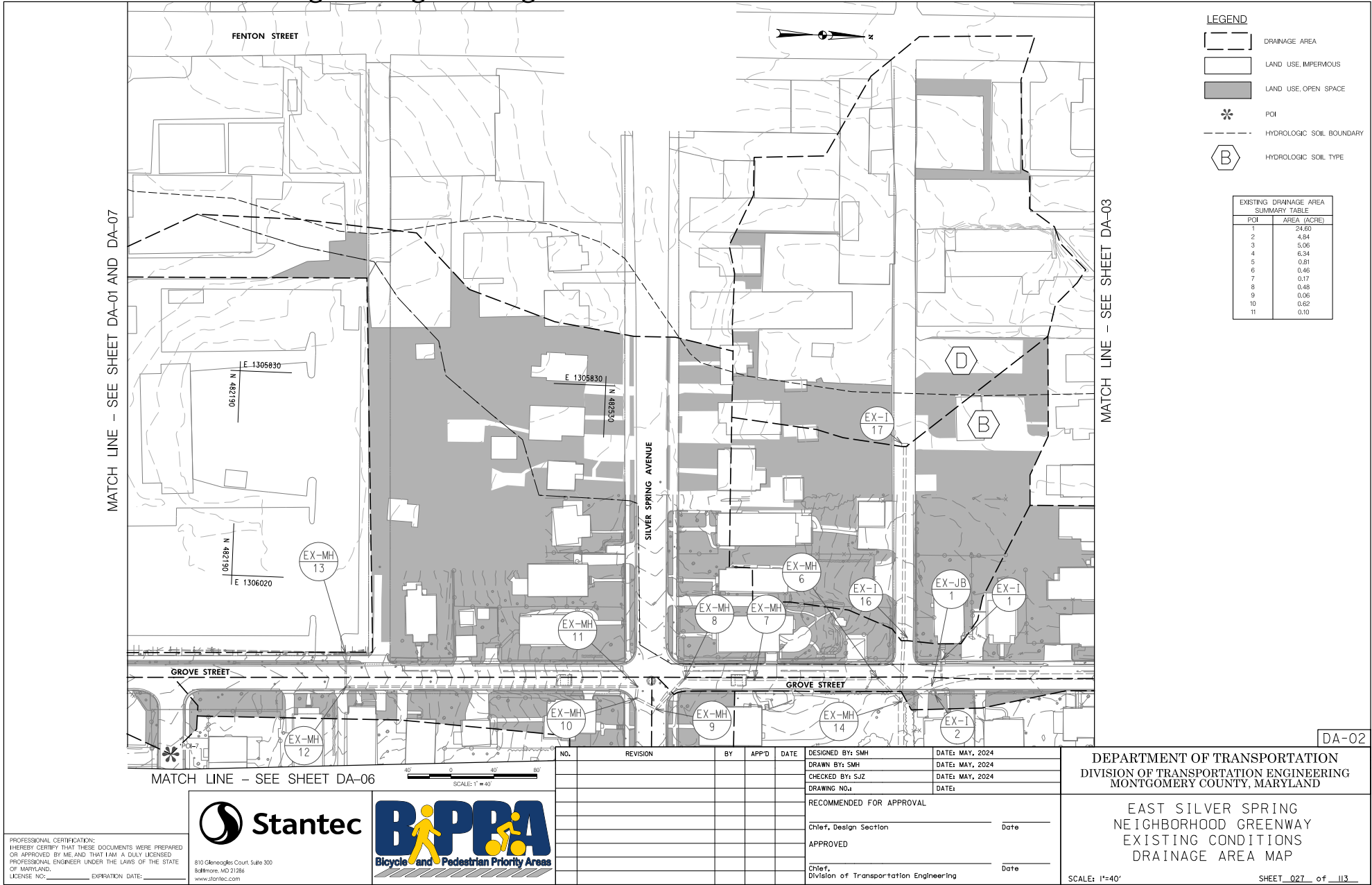
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Attachment A: Corridor Engineering Drawings



LEGEND

- DRAINAGE AREA
- LAND USE, IMPERVIOUS
- LAND USE, OPEN SPACE
- POI
- HYDROLOGIC SOIL BOUNDARY
- HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE

POI	AREA (ACRE)
1	24.00
2	4.84
3	5.06
4	6.34
5	0.81
6	0.46
7	0.17
8	0.48
9	0.06
10	0.62
11	0.10

MATCH LINE - SEE SHEET DA-01 AND DA-07

MATCH LINE - SEE SHEET DA-03

MATCH LINE - SEE SHEET DA-06

DA-02

NO.	REVISION	BY	APPD	DATE

DESIGNED BY: SMH	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____

APPROVED

Chief, Division of Transportation Engineering _____ Date _____

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
EXISTING CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40' SHEET 027 of 113

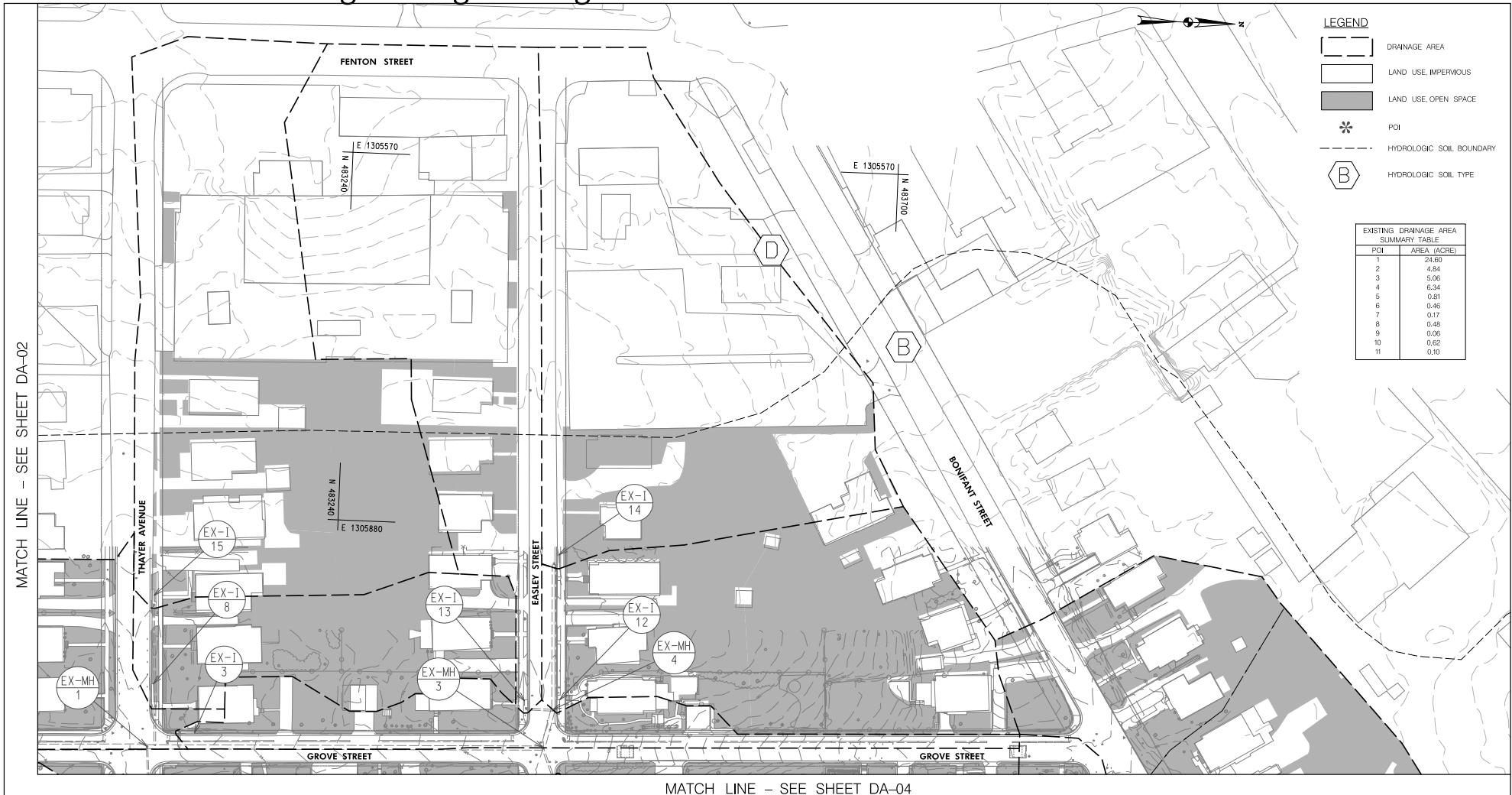
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Attachment A: Corridor Engineering Drawings



LEGEND

- DRAINAGE AREA
- LAND USE, IMPERVIOUS
- LAND USE, OPEN SPACE
- POI
- HYDROLOGIC SOIL BOUNDARY
- HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE

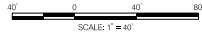
POI	AREA (ACRE)
1	24.60
2	4.84
3	5.06
4	6.34
5	0.81
6	0.46
7	0.17
8	0.48
9	0.06
10	0.52
11	0.10

MATCH LINE - SEE SHEET DA-02

MATCH LINE - SEE SHEET DA-04

DA-03

5/22/2024 \\lbf527-f01\shared\projects\20262312\T00_CADD\T00_Sheet\pDA-E003.ESS\Greenway.dgn



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APPROVED						
Chief, Division of Transportation Engineering						Date

DEPARTMENT OF TRANSPORTATION
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 MONTGOMERY COUNTY, MARYLAND

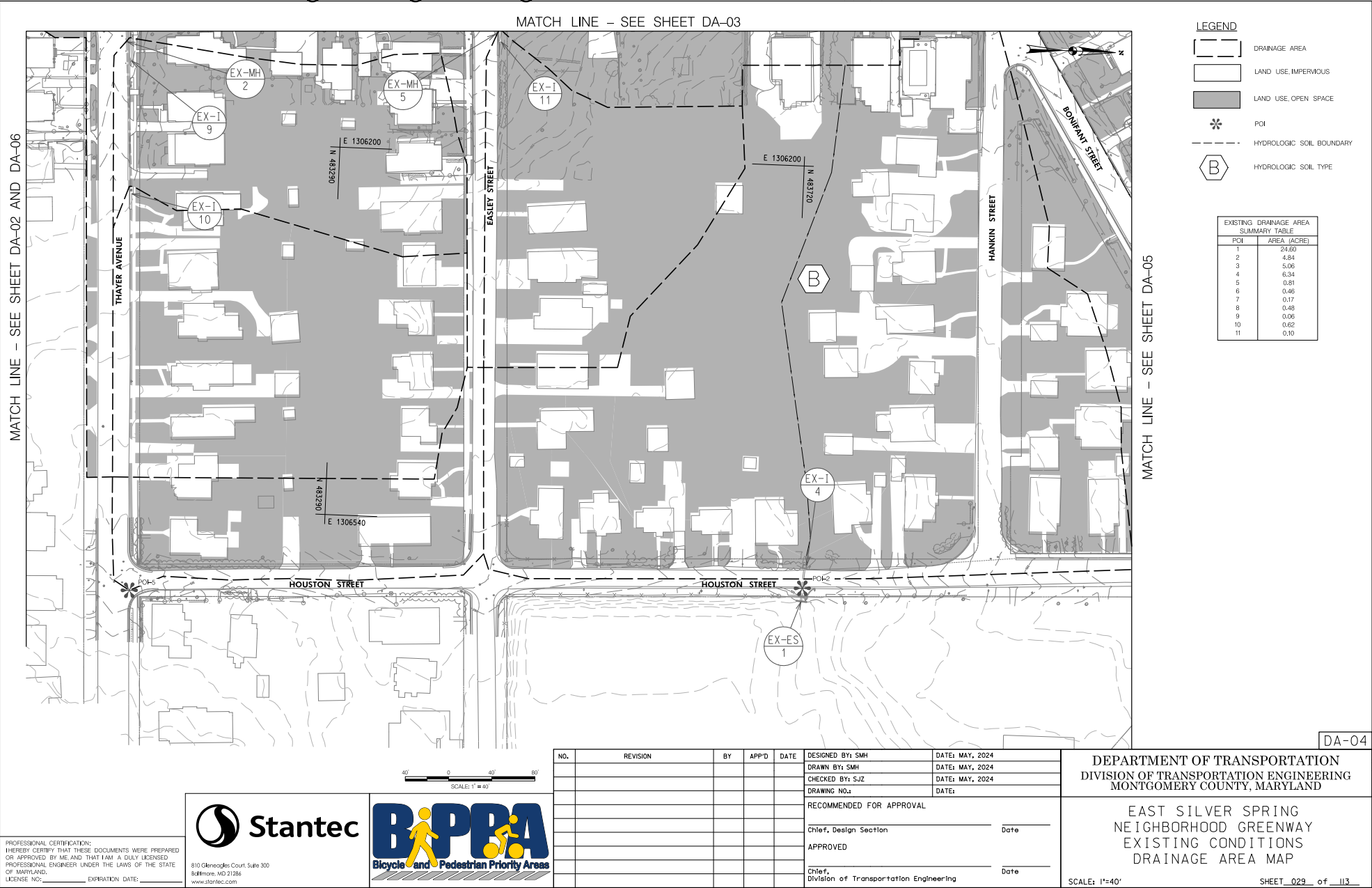
EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 EXISTING CONDITIONS
 DRAINAGE AREA MAP

SCALE: 1"=40' SHEET 028 of 028

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Attachment A: Corridor Engineering Drawings



LEGEND

- DRAINAGE AREA
- LAND USE, IMPERVIOUS
- LAND USE, OPEN SPACE
- POI
- HYDROLOGIC SOIL BOUNDARY
- HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE

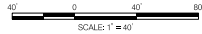
POI	AREA (ACRE)
1	24.60
2	4.84
3	5.06
4	6.34
5	0.81
6	0.46
7	0.17
8	0.48
9	0.06
10	0.62
11	0.10

MATCH LINE - SEE SHEET DA-02 AND DA-06

MATCH LINE - SEE SHEET DA-03

MATCH LINE - SEE SHEET DA-05

DA-04



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

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
EXISTING CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40'

SHEET 029 of 113

5/22/2024 \\lbf527-f01\shared\projects\2026\2312\T00_CADD\T00_Sheet\pda-E004.ESS\NGreenway.dgn

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Attachment A: Corridor Engineering Drawings



LEGEND

- DRAINAGE AREA
- LAND USE, IMPERVIOUS
- LAND USE, OPEN SPACE
- POI
- HYDROLOGIC SOIL BOUNDARY
- HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE

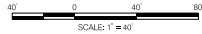
POI	AREA (ACRE)
1	24.60
2	4.84
3	5.06
4	6.34
5	0.81
6	0.46
7	0.17
8	0.48
9	0.06
10	0.62
11	0.10

MATCH LINE - SEE SHEET DA-04

MATCH LINE - SEE SHEET DA-03

5/22/2024 \\lbf527-f01\shared\projects\20262312\T00_CADD\T00_Sheet\DA-E005_LESS\Greenway.dgn

DA-05



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

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
EXISTING CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40'

SHEET 030 of 113









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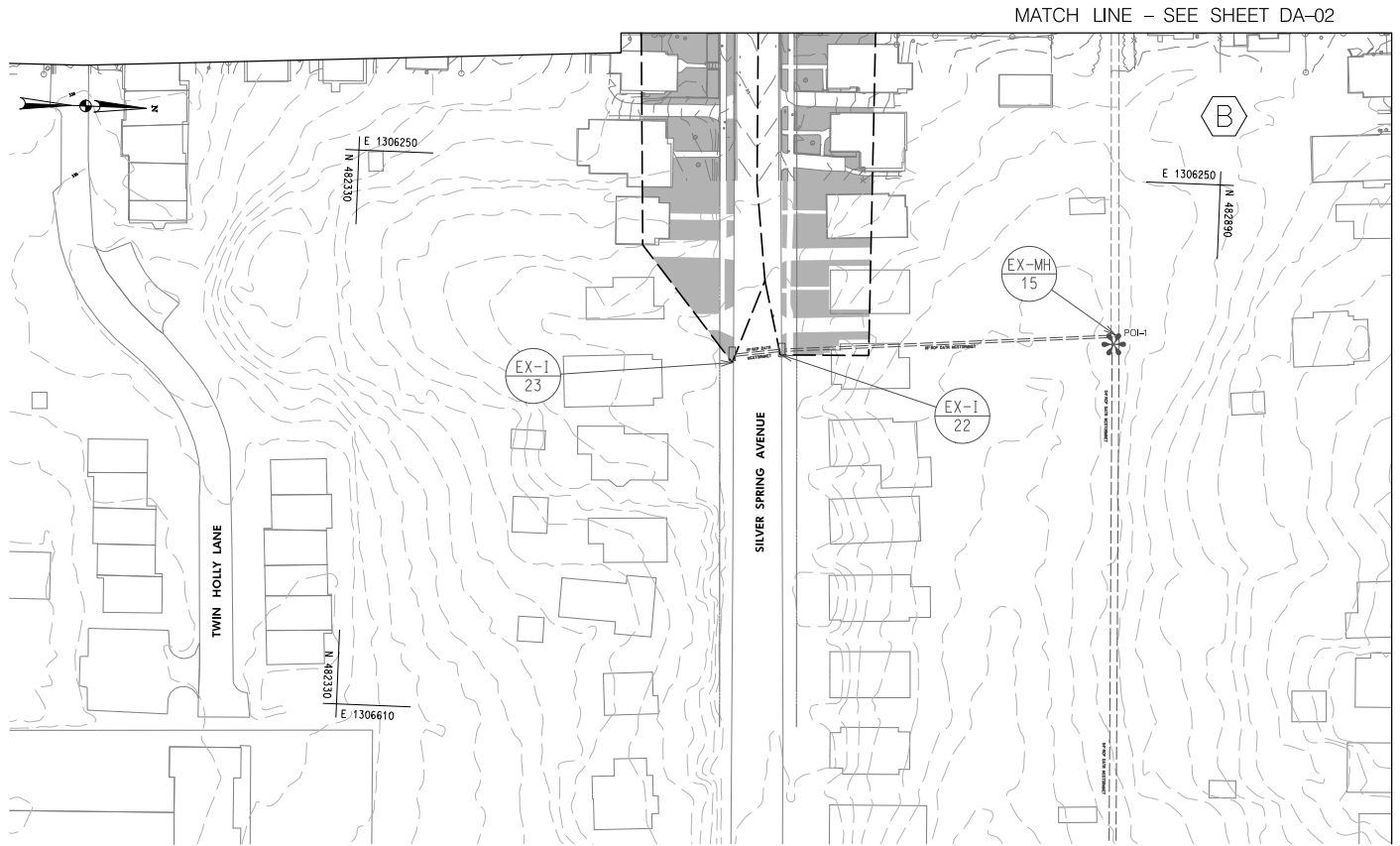
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Attachment A: Corridor Engineering Drawings

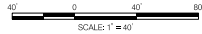
LEGEND

-  DRAINAGE AREA
-  LAND USE, IMPERVIOUS
-  LAND USE, OPEN SPACE
-  PCI
-  HYDROLOGIC SOIL BOUNDARY
-  HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE	
PCI	AREA (ACRE)
1	24.60
2	4.84
3	5.06
4	6.34
5	0.81
6	0.46
7	0.17
8	0.48
9	0.06
10	0.62
11	0.10



DA-06



NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
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					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
EXISTING CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40'

SHEET 031 of 113

5/22/2024 \\lbf527-f01\shared\projects\2026\2312\T00_CADD\T00_Sheet\pda-E006_LESSINGreenway.dgn

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Attachment A: Corridor Engineering Drawings

MATCH LINE - SEE SHEET DA-01



LEGEND

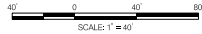
- DRAINAGE AREA
- LAND USE, IMPERVIOUS
- LAND USE, OPEN SPACE
- POI
- HYDROLOGIC SOIL BOUNDARY
- HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE

POI	AREA (ACRE)
1	24.50
2	4.84
3	5.06
4	6.34
5	0.81
6	0.46
7	0.17
8	0.48
9	0.96
10	0.62
11	0.10

MATCH LINE - SEE SHEET DA-02

DA-07



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					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
EXISTING CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40'

SHEET 032 of 113

5/22/2024 \\lbf527-f01\shared\projects\2026\2312\T00_CADD\T00_Sheet\pda-e007_less\ngreenway.dgn

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Attachment A: Corridor Engineering Drawings



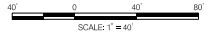
LEGEND

- DRAINAGE AREA
- LAND USE, IMPERVIOUS
- LAND USE, OPEN SPACE
- PCI
- HYDROLOGIC SOIL BOUNDARY
- HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE

PCI	AREA (ACRE)
1	23.34
2	4.85
3	5.06
4	6.34
5	0.81
6	0.18
7	0.17
8	0.48
9	0.06
10	0.62
11	0.10

MATCH LINE - SEE SHEET DA-14



MATCH LINE - SEE SHEET DA-09

DA-08

5/22/2024 \\lbf527-f01\shared\projects\20262312\TOD_CADD\TOD_Sheet\pda-f001_ESSNGreenway.dgn

NO.	REVISION	BY	APPD	DATE

DESIGNED BY: SMH	DATE: MAY, 2024
DRAWN BY: SMH	DATE: MAY, 2024
CHECKED BY: SJZ	DATE: MAY, 2024
DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL	
Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
PROPOSED CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40'

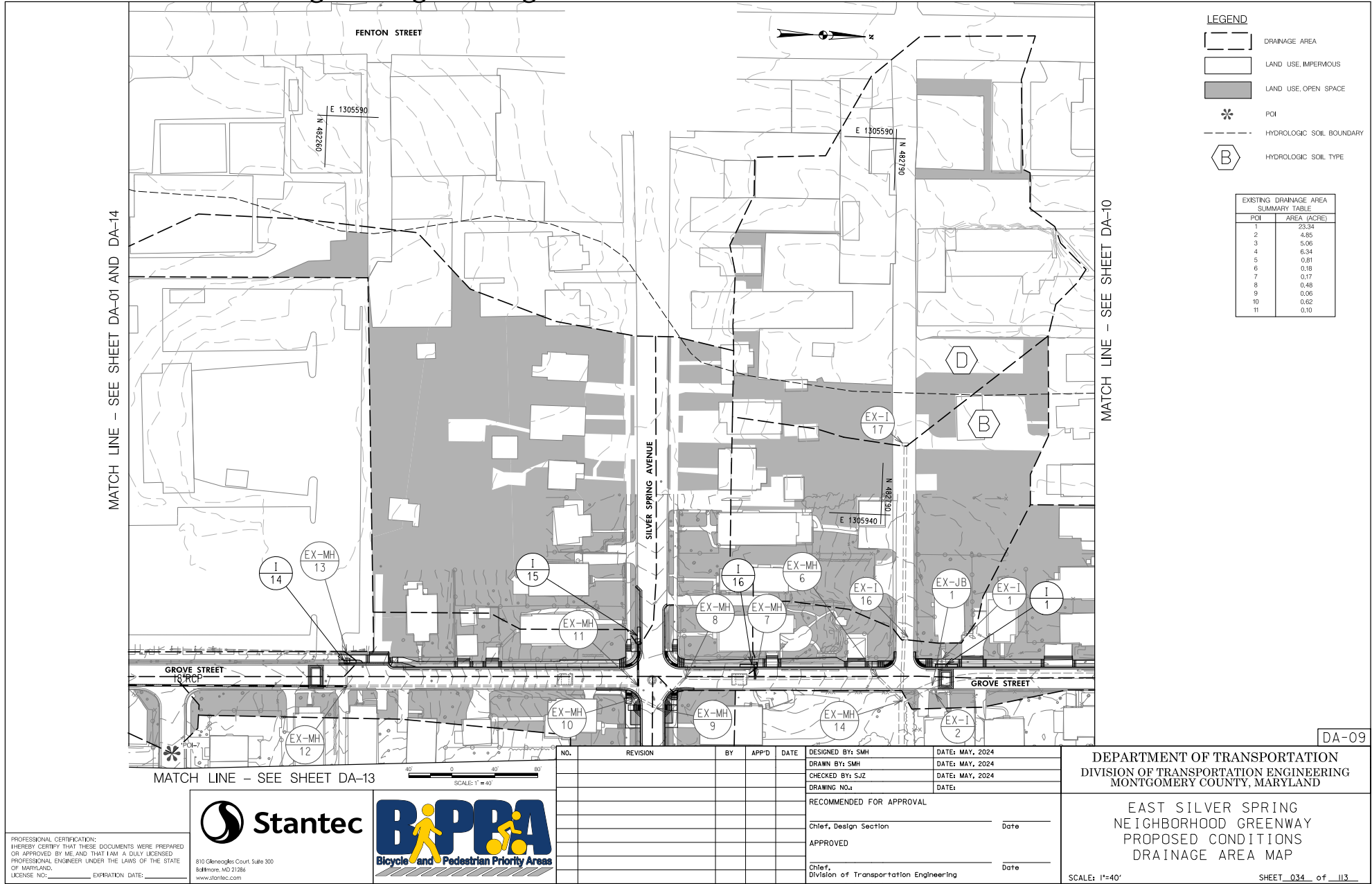
SHEET 033 of 113

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Attachment A: Corridor Engineering Drawings



LEGEND

- DRAINAGE AREA
- LAND USE, IMPERVIOUS
- LAND USE, OPEN SPACE
- POI
- HYDROLOGIC SOIL BOUNDARY
- HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE

POI	AREA (ACRE)
1	23.34
2	4.85
3	5.06
4	6.34
5	0.81
6	0.18
7	0.17
8	0.48
9	0.06
10	0.62
11	0.10

MATCH LINE - SEE SHEET DA-01 AND DA-14

MATCH LINE - SEE SHEET DA-10

MATCH LINE - SEE SHEET DA-13

DA-09

NO.	REVISION	BY	APPD	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
					DRAWN BY: SMH	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
PROPOSED CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40'

SHEET 034 of 113

5/22/2024 \\l16527-f01\shared\projects\20262312\T00_CADD\T00_Sheet\pDA-P002_LESSINGreenway.dgn

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Attachment A: Corridor Engineering Drawings



LEGEND

- DRAINAGE AREA
- LAND USE, IMPERVIOUS
- LAND USE, OPEN SPACE
- POI
- HYDROLOGIC SOIL BOUNDARY
- HYDROLOGIC SOIL TYPE

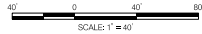
EXISTING DRAINAGE AREA SUMMARY TABLE	
POI	AREA (ACRE)
1	23.34
2	4.65
3	5.06
4	6.34
5	0.81
6	0.18
7	0.17
8	0.48
9	0.06
10	0.62
11	0.10

MATCH LINE - SEE SHEET DA-09

MATCH LINE - SEE SHEET DA-11

DA-10

5/22/2024 \\lbf527-f01\shared\projects\20262312\T00_CADD\T00_Sheet\pda-p003.ESS\Greenway.dgn



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					DRAWN BY: SMH	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
PROPOSED CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40'

SHEET 035 of 113



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OF MARYLAND.
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Attachment A: Corridor Engineering Drawings



LEGEND

- DRAINAGE AREA
- LAND USE, IMPERVIOUS
- LAND USE, OPEN SPACE
- POI
- HYDROLOGIC SOIL BOUNDARY
- HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE

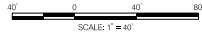
POI	AREA (ACRE)
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2	4.85
3	5.06
4	6.34
5	0.91
6	0.18
7	0.17
8	0.48
9	0.06
10	0.62
11	0.10

MATCH LINE - SEE SHEET DA-09 AND DA-13

MATCH LINE - SEE SHEET DA-12

MATCH LINE - SEE SHEET DA-10

DA-II



NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
					DRAWN BY: SMH	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
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					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
PROPOSED CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40'

SHEET 036 of 113

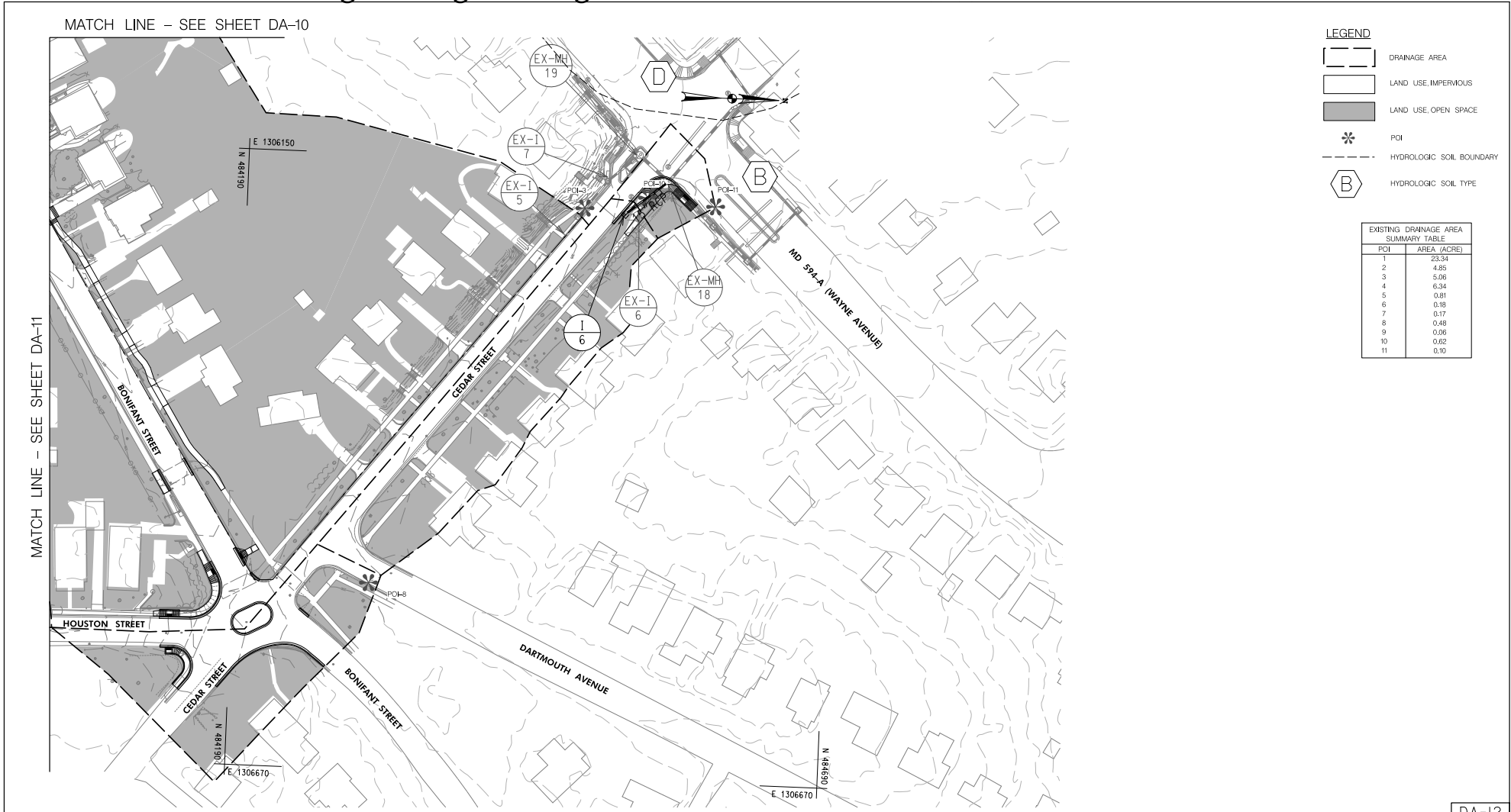
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Attachment A: Corridor Engineering Drawings



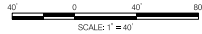
LEGEND

- DRAINAGE AREA
- LAND USE, IMPERVIOUS
- LAND USE, OPEN SPACE
- * POI
- HYDROLOGIC SOIL BOUNDARY
- B HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE	
PCI	AREA (ACRE)
1	23.34
2	4.25
3	5.06
4	6.34
5	0.81
6	0.18
7	0.17
8	0.48
9	0.06
10	0.62
11	0.10

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DA-12



NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
					DRAWN BY: SMH	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

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DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
PROPOSED CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40' SHEET 037 of 113









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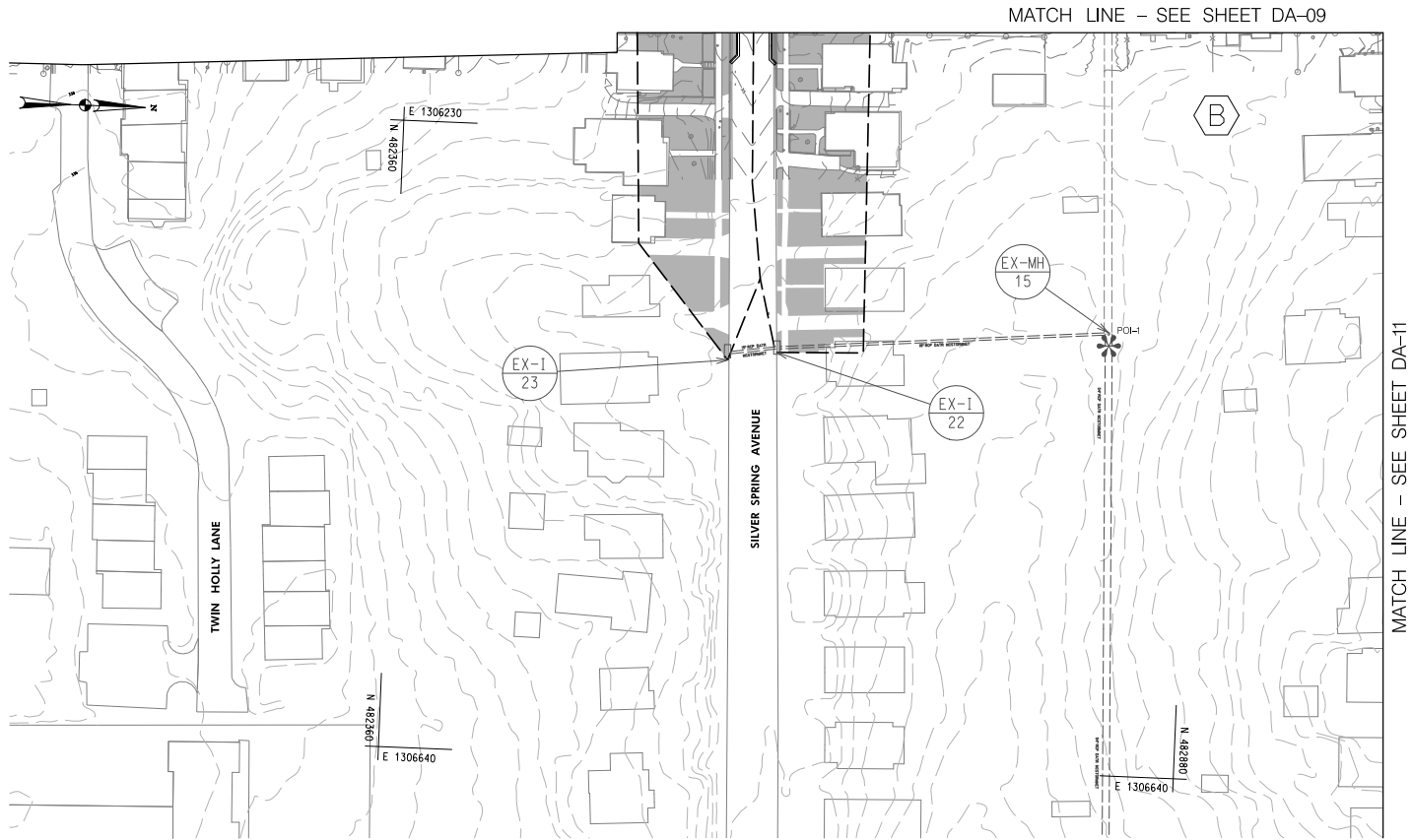
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Attachment A: Corridor Engineering Drawings

LEGEND

-  DRAINAGE AREA
-  LAND USE, IMPERVIOUS
-  LAND USE, OPEN SPACE
-  POI
-  HYDROLOGIC SOIL BOUNDARY
-  HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE	
POI	AREA (ACRE)
1	23.34
2	4.85
3	5.06
4	6.34
5	0.81
6	0.16
7	0.17
8	0.48
9	0.06
10	0.62
11	0.10



MATCH LINE - SEE SHEET DA-09

MATCH LINE - SEE SHEET DA-11

DA-13



NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
					DRAWN BY: SMH	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
PROPOSED CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40'

SHEET 038 of 113

5/22/2024 \\lbf527-f01\shared\projects\20262312\T00_CADD\T00_Sheet\pda-f006_LESSING-greenway.dgn

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Attachment A: Corridor Engineering Drawings

MATCH LINE – SEE SHEET DA-08



LEGEND

- DRAINAGE AREA
- LAND USE, IMPERVIOUS
- LAND USE, OPEN SPACE
- POI
- HYDROLOGIC SOIL BOUNDARY
- HYDROLOGIC SOIL TYPE

EXISTING DRAINAGE AREA SUMMARY TABLE

POI	AREA (ACRE)
1	23.34
2	4.85
3	5.06
4	6.34
5	0.81
6	0.18
7	0.17
8	0.49
9	0.05
10	0.62
11	0.10

MATCH LINE – SEE SHEET DA-09

DA-14

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
					DRAWN BY: SMH	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
PROPOSED CONDITIONS
DRAINAGE AREA MAP

SCALE: 1"=40' SHEET 039 of 113

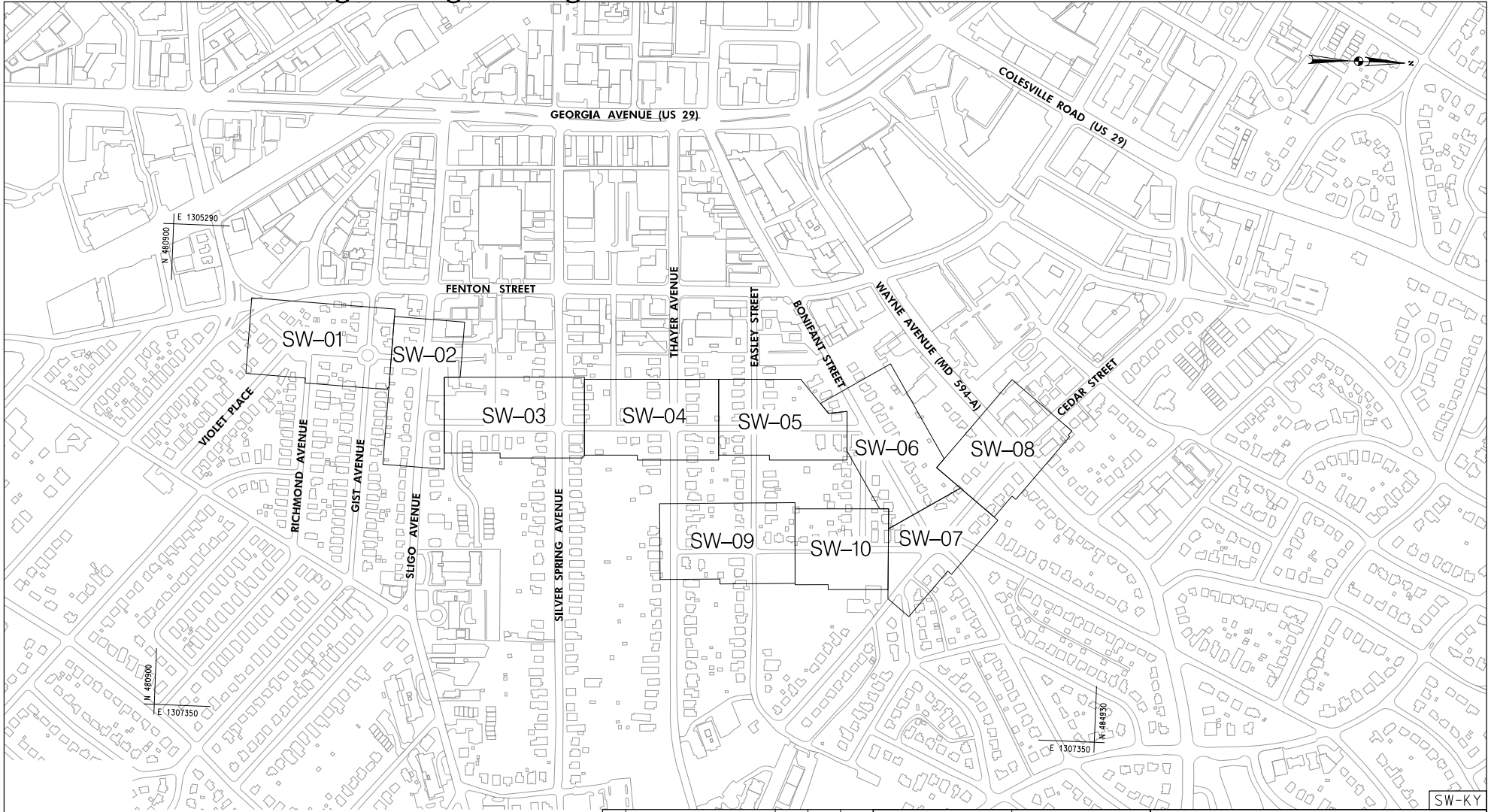
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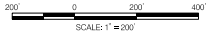


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Attachment A: Corridor Engineering Drawings



SW-KY



NO.	REVISION	BY	APP'D	DATE

DESIGNED BY: DHM III	DATE: MAY, 2024
DRAWN BY: DHM III	DATE: MAY, 2024
CHECKED BY: S.JZ	DATE: MAY, 2024
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Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 STORMWATER PLAN KEY

SCALE: 1"=200' SHEET 040 of 113

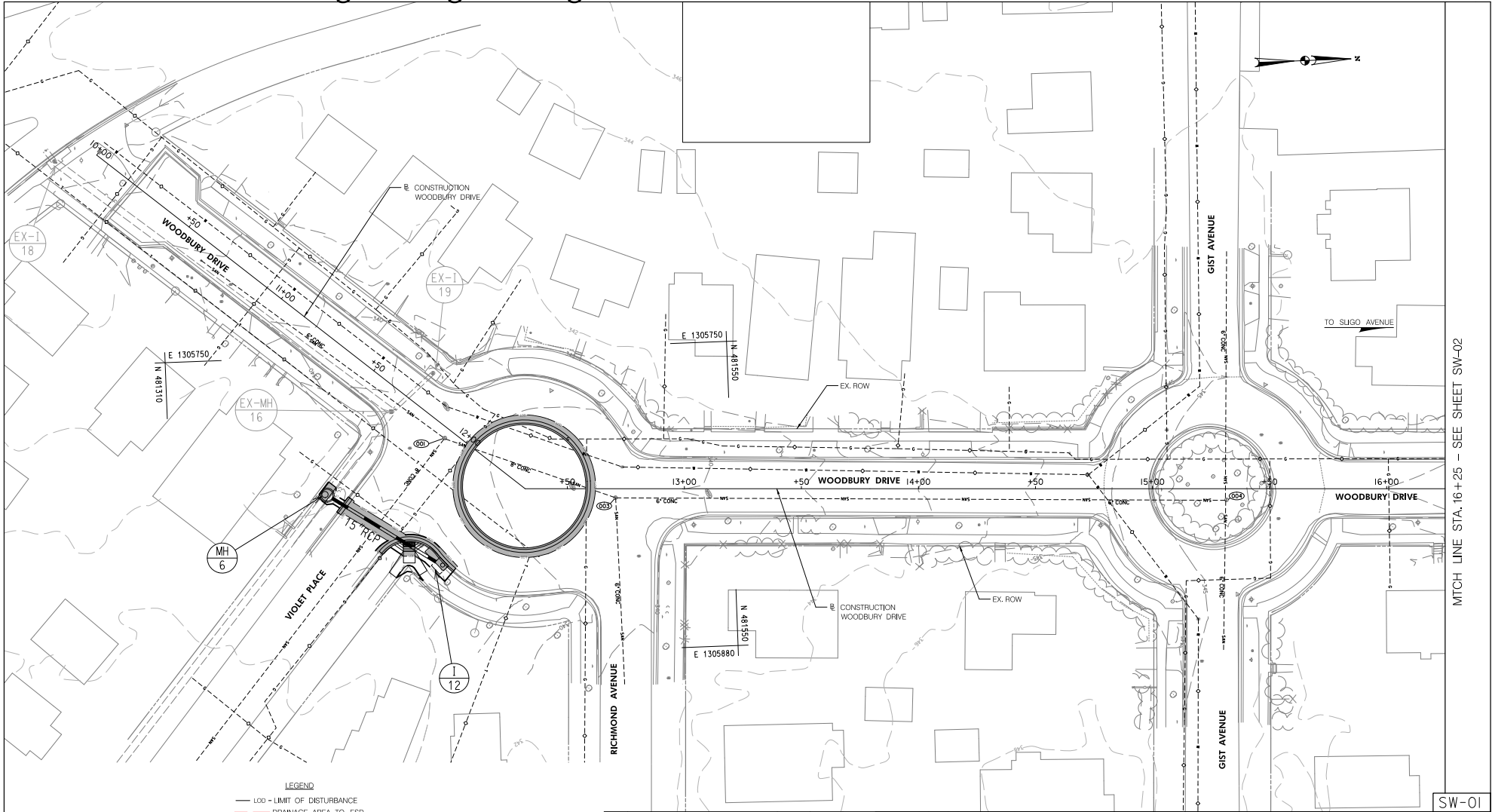
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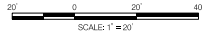


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Attachment A: Corridor Engineering Drawings



LEGEND
 --- LOD - LIMIT OF DISTURBANCE
 --- DRAINAGE AREA TO ESD
 □ PROPOSED IMPERVIOUS AREA IN LOD



NO.	REVISION	BY	APPD	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
					DRAWN BY: SMH	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
					APPROVED	
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
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 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 STORMWATER MANAGEMENT
 CONCEPT PLAN

SCALE: 1"=20' SHEET 2 of 11

SW-01

MATCH LINE STA. 16+25 - SEE SHEET SW-02

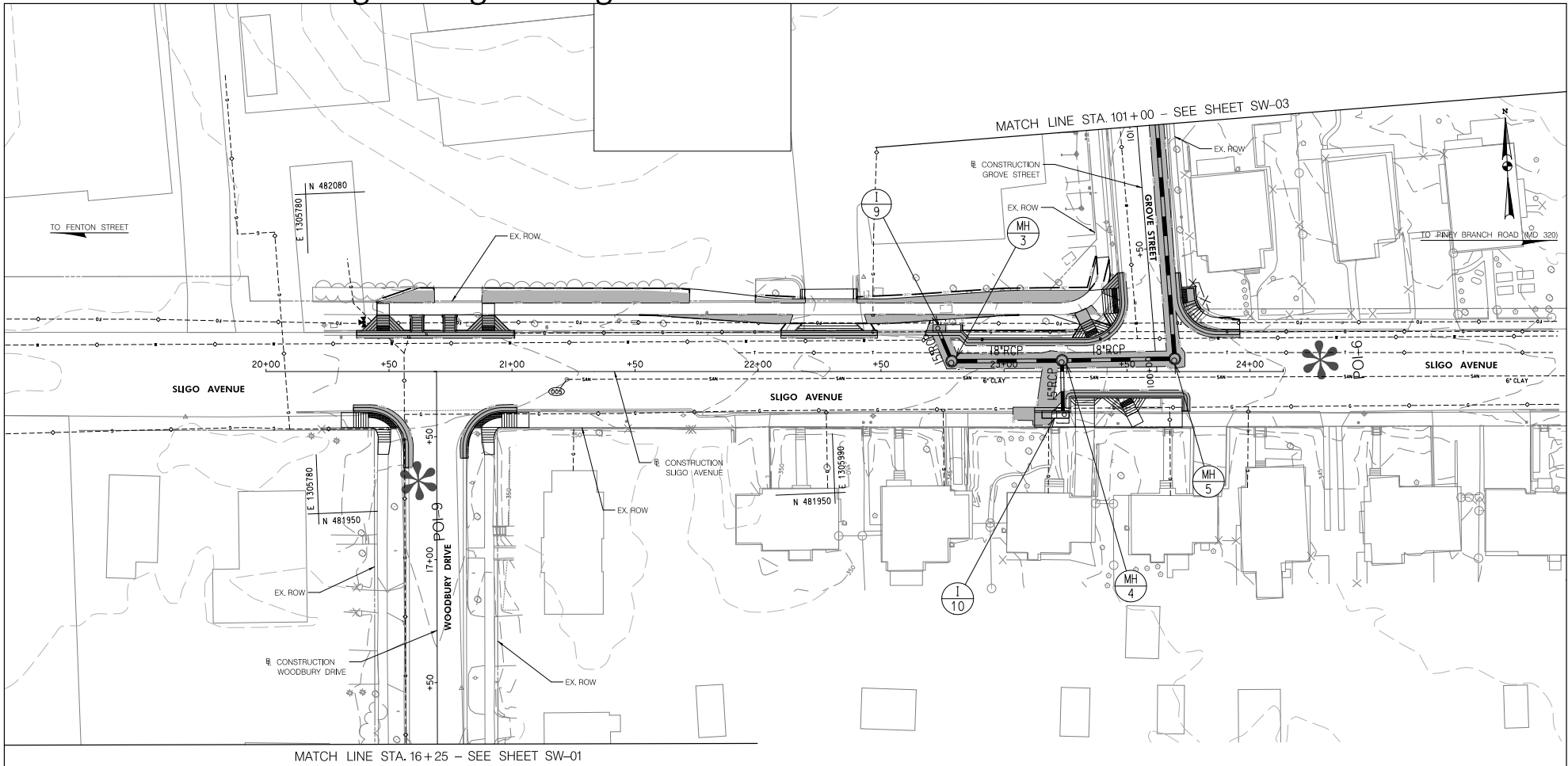
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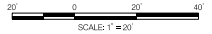
Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 16+25 - SEE SHEET SW-01

MATCH LINE STA. 101+00 - SEE SHEET SW-03

- LEGEND**
- LOD - LIMIT OF DISTURBANCE
 - - - DRAINAGE AREA TO ESD
 - PROPOSED IMPERVIOUS AREA IN LOD



SW-02

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
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					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STORMWATER MANAGEMENT
CONCEPT PLAN

SCALE: 1"=20'

SHEET 3 of 11

5/22/2024 U:\2026\3123\700 CAD\0100 Sheet\Stormwater Concept\p3123-F002.ESS\Greenway.dgn

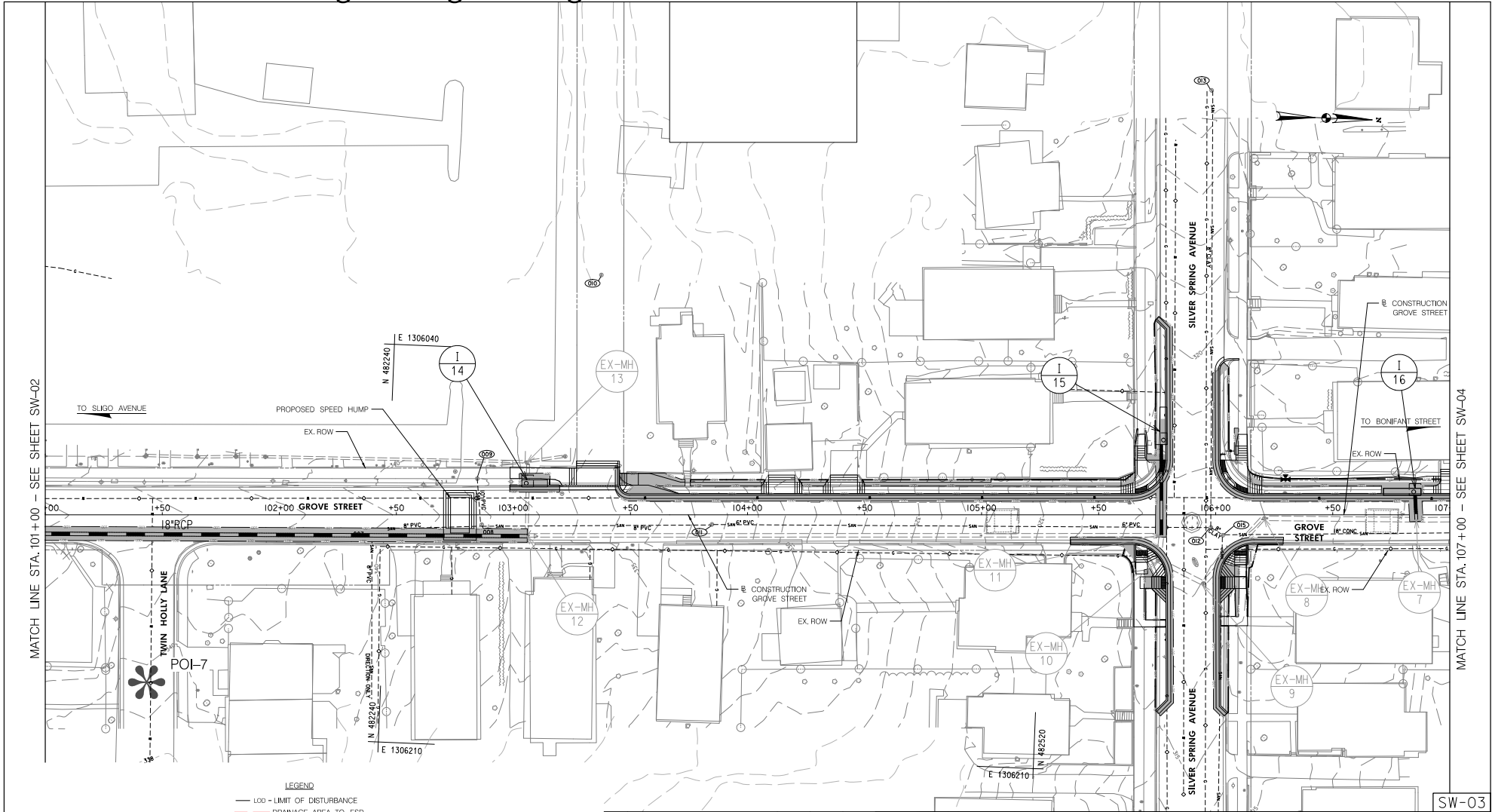
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OR APPROVED BY ME AND THAT I AM A DULY LICENSED
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OF MARYLAND.
LICENSE NO. _____ EXPIRATION DATE: _____



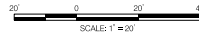
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Attachment A: Corridor Engineering Drawings



- LEGEND**
- LOD - LIMIT OF DISTURBANCE
 - - - DRAINAGE AREA TO ESD
 - PROPOSED IMPERVIOUS AREA IN LOD



NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
					DRAWN BY: SMH	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
Chief, Design Section						Date
APPROVED						
Chief, Division of Transportation Engineering						Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STORMWATER MANAGEMENT
CONCEPT PLAN

SCALE: 1"=20'

SHEET 4 of 11

5/22/2024 U:\2026\3123.700 CAD\100 Sheet\Stormwater Concept\pSM-F003.ESSNGreenway.dgn

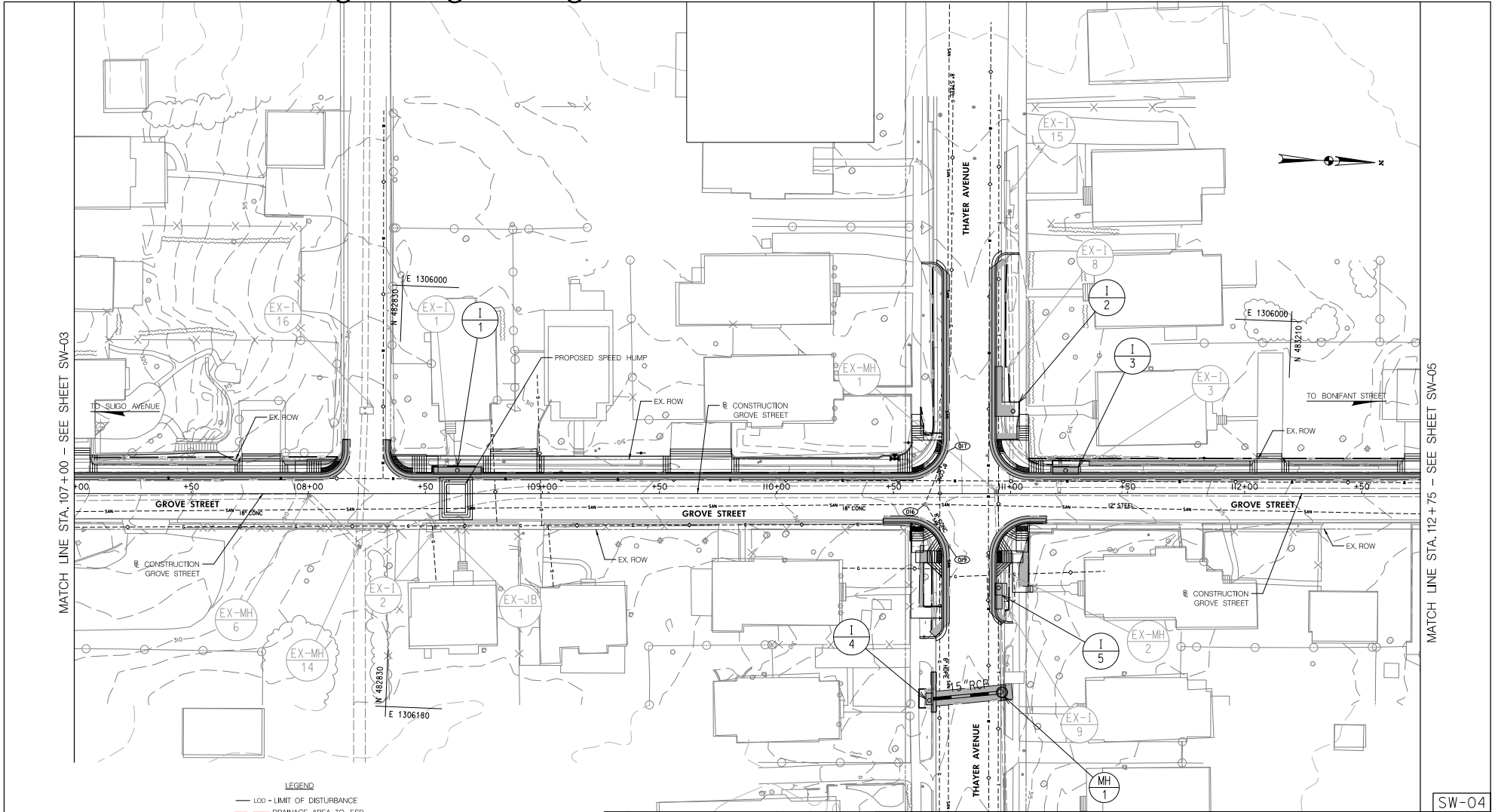
PROFESSIONAL CERTIFICATION:
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OF MARYLAND.
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Attachment A: Corridor Engineering Drawings

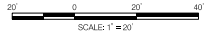


MATCH LINE STA. 107+00 - SEE SHEET SW-03

MATCH LINE STA. 112+75 - SEE SHEET SW-05

SW-04

- LEGEND**
- LOD - LIMIT OF DISTURBANCE
 - - - DRAINAGE AREA TO ESD
 - PROPOSED IMPERVIOUS AREA IN LOD



NO.	REVISION	BY	APPD	DATE

DESIGNED BY: SMH
 DRAWN BY: SMH
 CHECKED BY: SJZ
 DRAINAGE NO.:
 RECOMMENDED FOR APPROVAL
 Chief, Design Section _____ Date _____
 APPROVED
 Chief, Division of Transportation Engineering _____ Date _____

DATE: MAY, 2024
 DATE: MAY, 2024
 DATE: MAY, 2024
 DATE:

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STORMWATER MANAGEMENT
CONCEPT PLAN

SCALE: 1"=20' SHEET 5 of 11

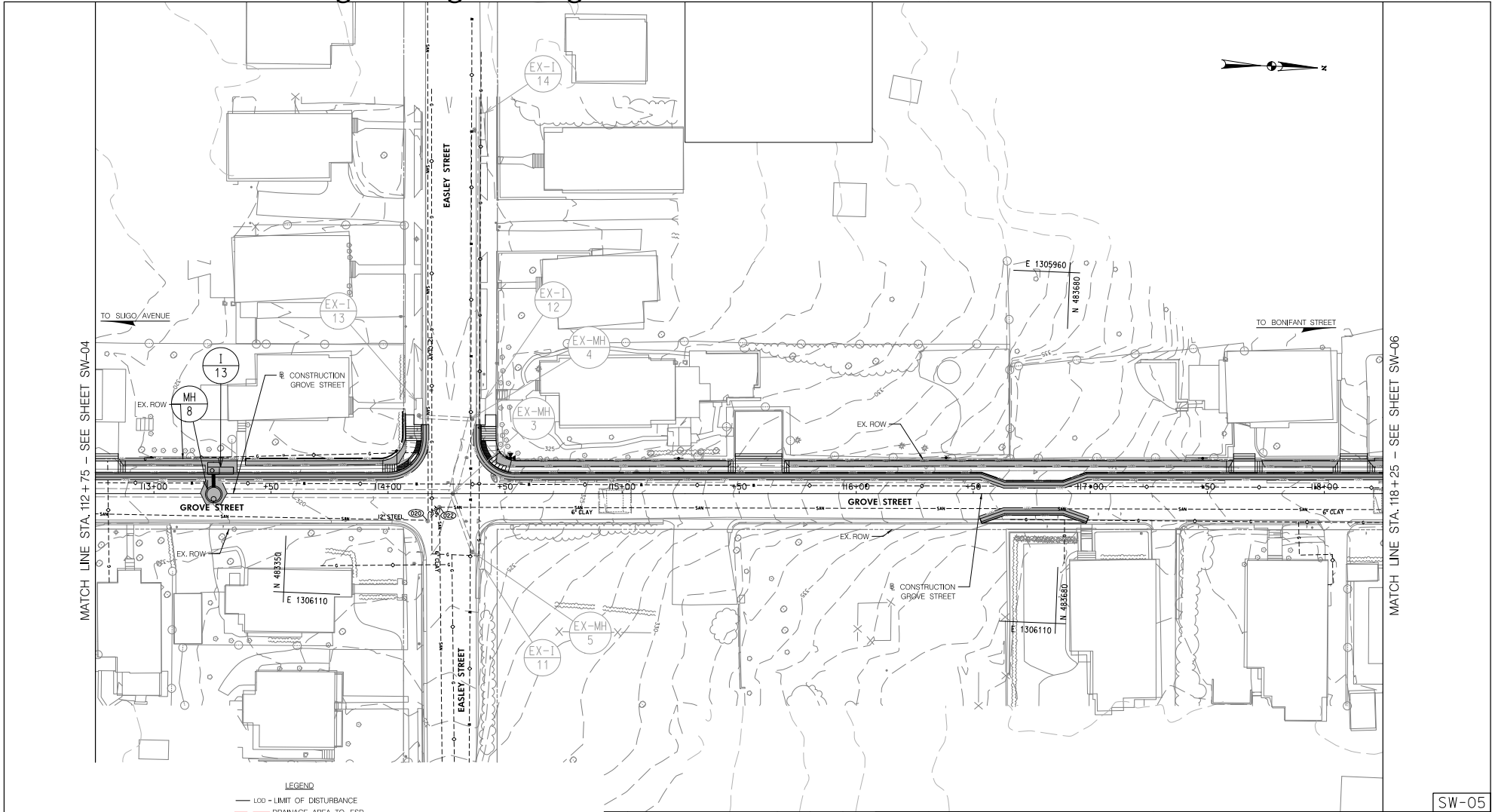
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Attachment A: Corridor Engineering Drawings



- LEGEND**
- LOD - LIMIT OF DISTURBANCE
 - - - DRAINAGE AREA TO ESD
 - PROPOSED IMPERVIOUS AREA IN LOD



SW-05

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
					DRAWN BY: SMH	DATE: MAY, 2024
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					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

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DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STORMWATER MANAGEMENT
CONCEPT PLAN

SCALE: 1"=20'

SHEET 6 of 11

5/22/2024 U:\2026\3123.700 CAD\1700 Sheet\Stormwater Concept\pSM-F005.ESSNGreenway.dgn

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OF MARYLAND.
LICENSE NO. _____ EXPIRATION DATE: _____



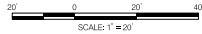
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Attachment A: Corridor Engineering Drawings



- LEGEND**
- LOD - LIMIT OF DISTURBANCE
 - - - DRAINAGE AREA TO ESD
 - PROPOSED IMPERVIOUS AREA IN LOD



NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
					DRAWN BY: SMH	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STORMWATER MANAGEMENT
CONCEPT PLAN

SCALE: 1"=20' SHEET 7 of 11

5/22/2024 UA\202623123\700 CAD\01\00 Sheet\Stormwater Concept\pSM-F006.ESSNGreenway.dgn

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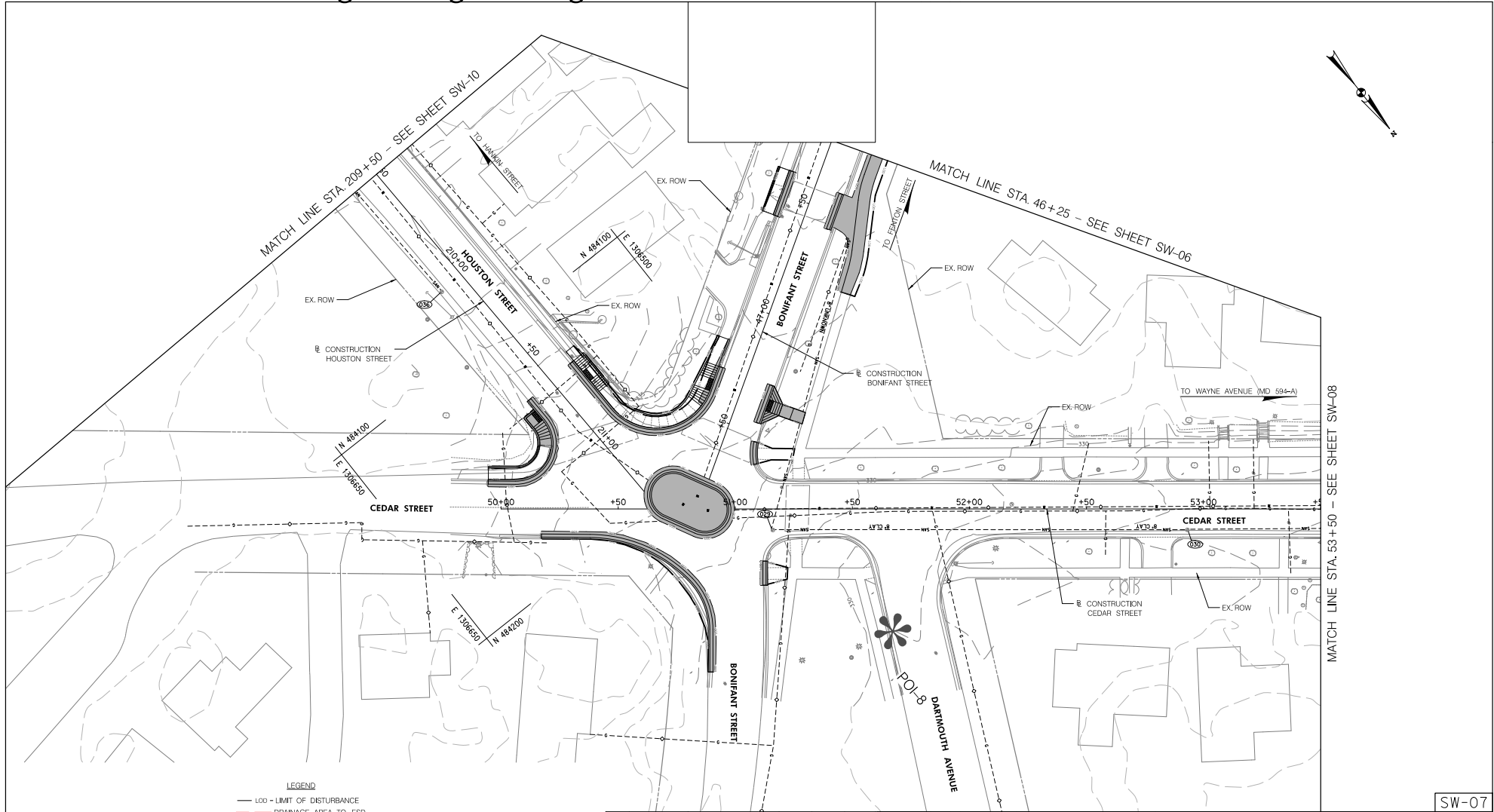
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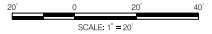
MATCH LINE STA. 46+25 - SEE SHEET SW-07

SW-06

Attachment A: Corridor Engineering Drawings



- LEGEND**
- LOD - LIMIT OF DISTURBANCE
 - - - DRAINAGE AREA TO ESD
 - ▭ PROPOSED IMPERVIOUS AREA IN LOD



NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: SMH	DATE: MAY, 2024
					DRAWN BY: SMH	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
Chief, Design Section					Date	
APPROVED						
Chief, Division of Transportation Engineering					Date	

SW-07

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STORMWATER MANAGEMENT
CONCEPT PLAN

SCALE: 1"=20' SHEET 8 of 11

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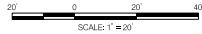


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Attachment A: Corridor Engineering Drawings



- LEGEND**
- LOD - LIMIT OF DISTURBANCE
 - - - DRAINAGE AREA TO ESD
 - PROPOSED IMPERVIOUS AREA IN LOD



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

DEPARTMENT OF TRANSPORTATION
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 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 STORMWATER MANAGEMENT
 CONCEPT PLAN

SCALE: 1"=20' SHEET 9 of 11

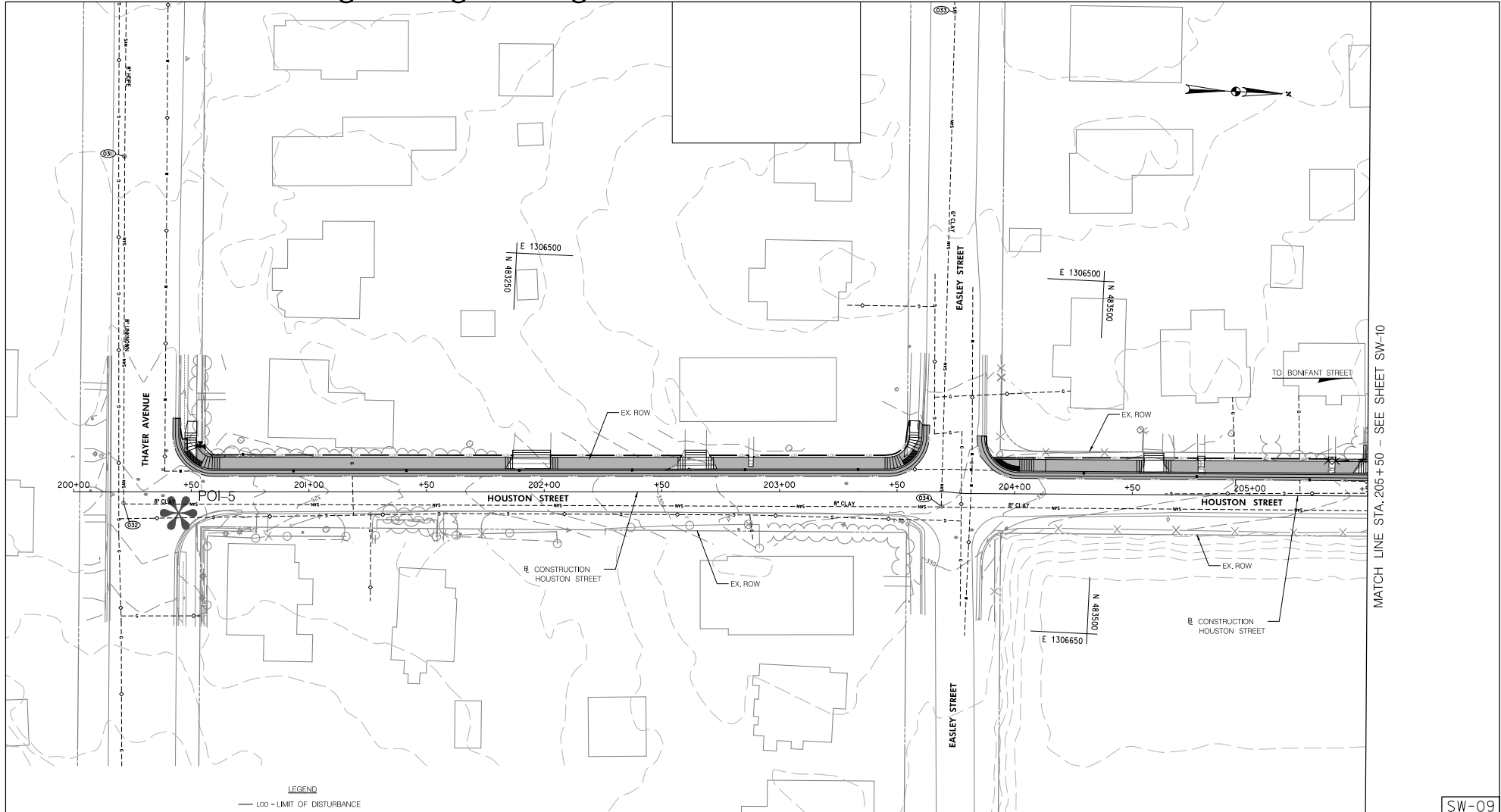
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Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 205+50 - SEE SHEET SW-10

- LEGEND**
- LOD - LIMIT OF DISTURBANCE
 - - - DRAINAGE AREA TO ESD
 - PROPOSED IMPERVIOUS AREA IN LOD



SW-09

NO.	REVISION	BY	APP'D	DATE

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

DEPARTMENT OF TRANSPORTATION
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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STORMWATER MANAGEMENT
CONCEPT PLAN

SCALE: 1"=20' SHEET 10 of 11

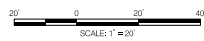
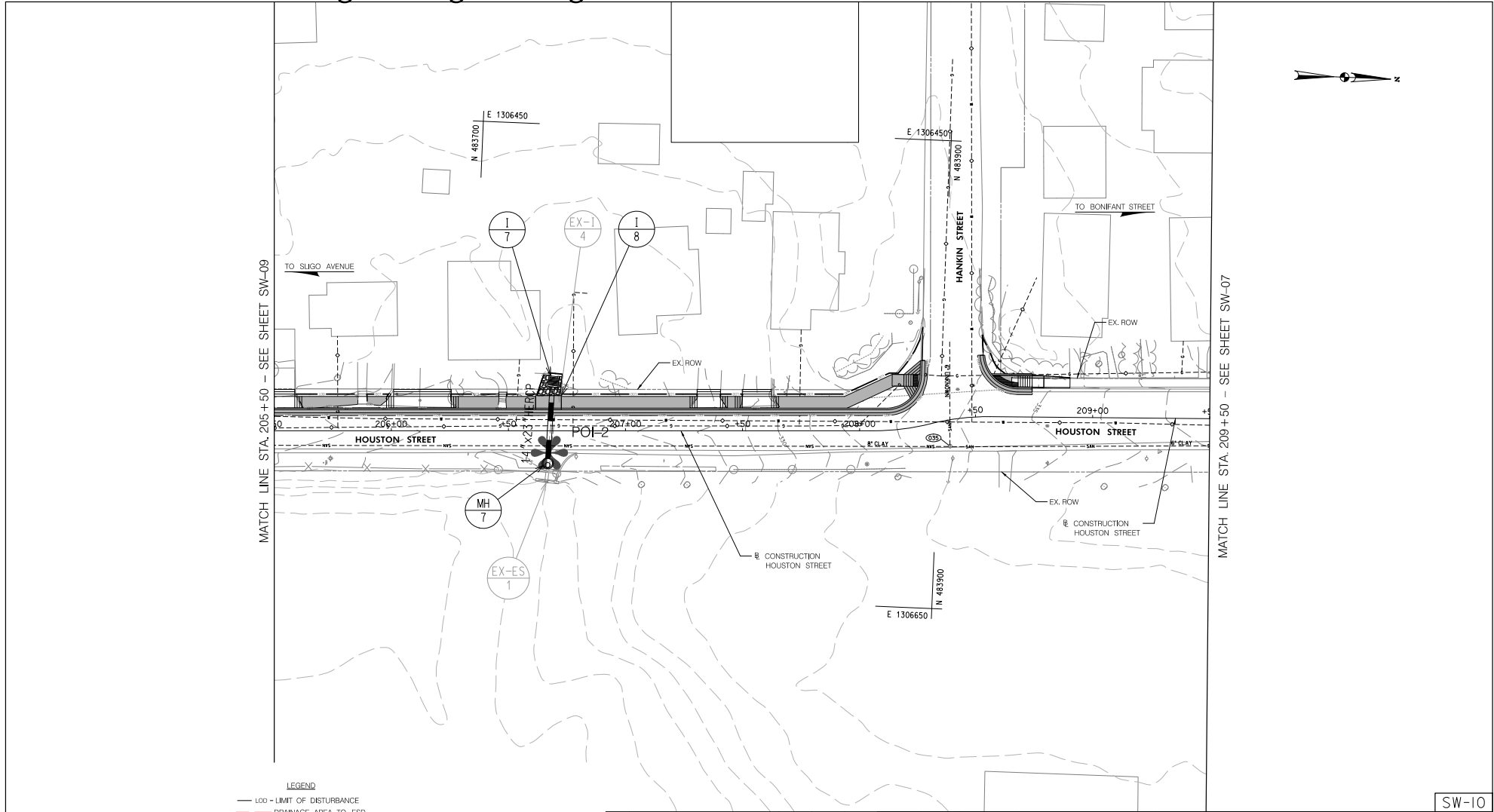
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Attachment A: Corridor Engineering Drawings



SW-10

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

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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STORMWATER MANAGEMENT
CONCEPT PLAN

SCALE: 1"=20'

SHEET ___ of ___

5/22/2024 \\NA\202623123\700_CADD\700_Sheet\Stormwater_Concept\pSW-POI0.ESS\Greenway.dgn

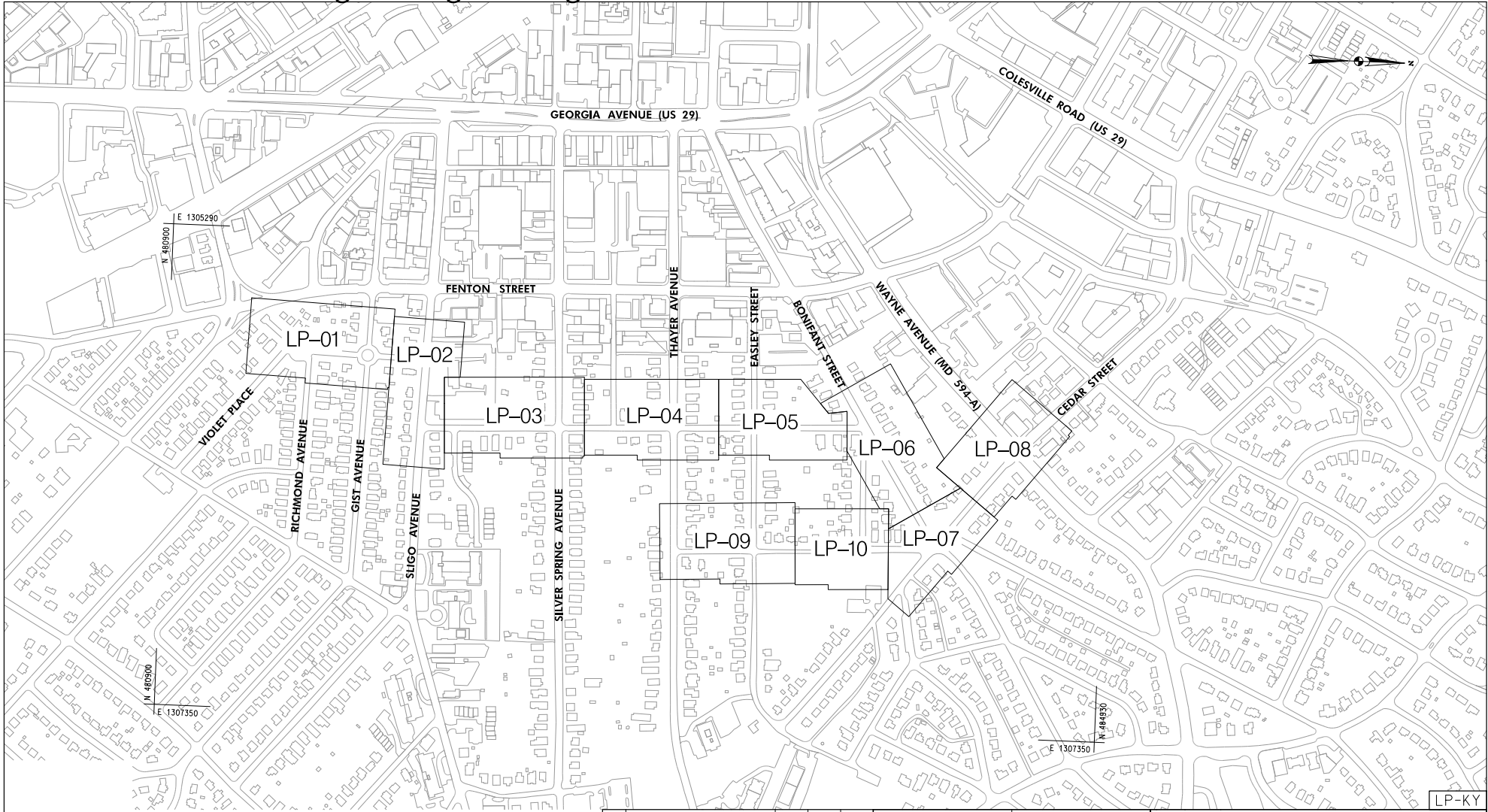
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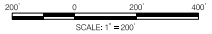
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Attachment A: Corridor Engineering Drawings



LP-KY



NO.	REVISION	BY	APP'D	DATE

DESIGNED BY: DHM III	DATE: MAY, 2024
DRAWN BY: DHM III	DATE: MAY, 2024
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DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL	
Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
LANDSCAPE PLAN KEY

SCALE: 1"=200' SHEET 051 of 113

5/22/2024 \\A:\2026\3123\700 CAD\01\00 Sheet\pLP-KEY-ESSNG-enway.dgn

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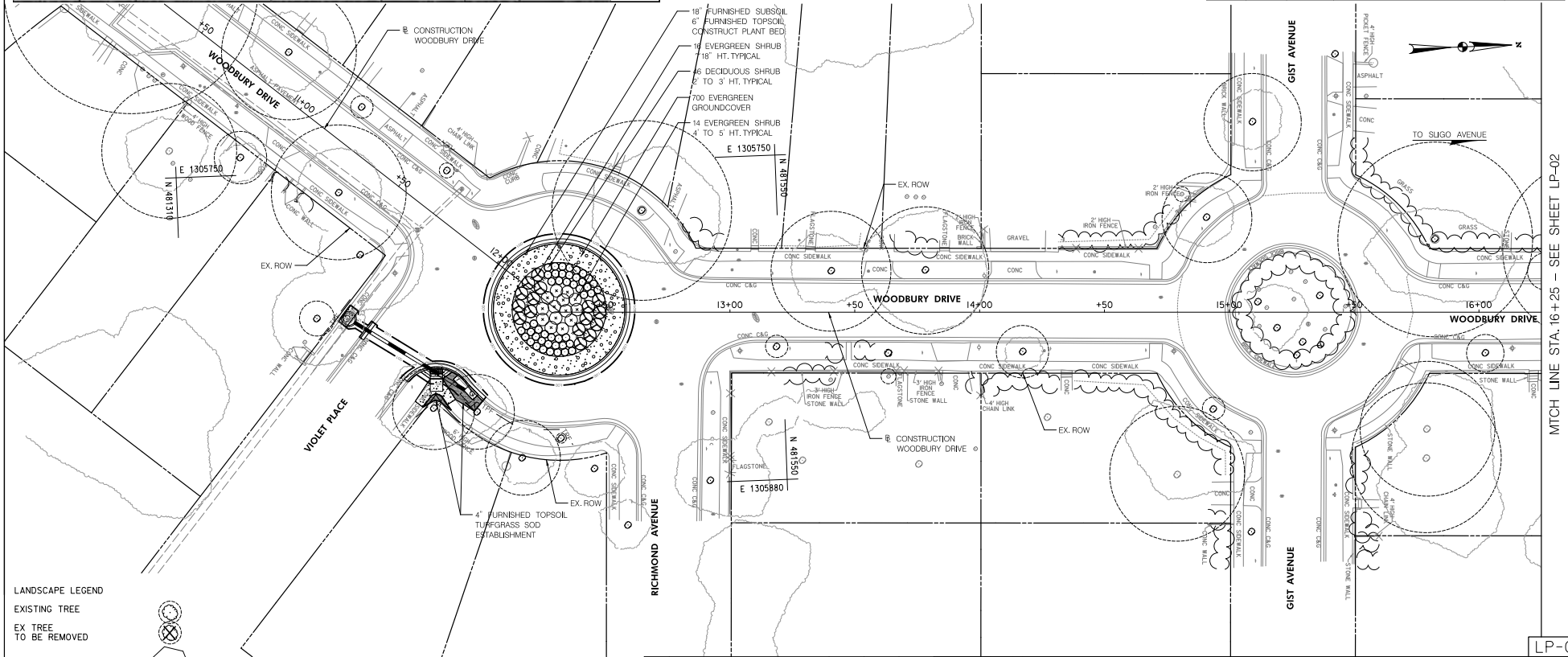


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Attachment A: Corridor Engineering Drawings

TREE, SHRUB, AND PERENNIAL INSTALLATION AND ESTABLISHMENT - PRELIMINARY LIST						
SYM	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	BALL	REMARKS
SHRUBS				SIZE	SPACING	CONTAINER
AMV	0	<i>Aronia melanocarpa</i> 'Viking'	Viking Black Chokeberry	24 IN. HT.	3' O.C.	3 GALLON
BGM	0	<i>Buxus</i> 'Green Mountain'	Green Mountain Boxwood	24 - 30" IN. HT.	3' O.C.	3 GALLON
CSAF	0	<i>Cornus stolonifera</i> 'Arctic Fire'	Arctic Fire Dogwood	24 IN. HT.	3' O.C.	3 GALLON
IGS	0	<i>Ilex glabra</i> 'Shamrock'	Shamrock Inkberry	24 IN. HT.	3' O.C.	3 GALLON
IVJD	0	<i>Ilex verticillata</i> 'Jim Dandy'	Jim Dandy Winterberry	24 IN. HT.	3' O.C.	3 GALLON/POLLINATOR.
IVRS	0	<i>Ilex verticillata</i> 'Red Sprite'	Red Sprite Winterberry	24 - 30" IN. HT.	3' O.C.	3 GALLON
IVLH	0	<i>Itea virginica</i> 'Little Henry'	Little Henry Sweetspire	24" - 30" IN. HT.	3' O.C.	3 GALLON
JC	0	<i>Juniperus Conferta</i>	Shore Juniper	6" HT.	4' O.C.	3 GALLON
VNB	0	<i>Viburnum rufum</i> 'Bulk'	Brandywine Viburnum	24" - 30" IN. HT.	4' O.C.	3 GALLON
VDBM	0	<i>Viburnum dentatum</i> 'Blue Muffin'	Blue Muffin Viburnum	24" - 30" IN. HT.	4' O.C.	3 GALLON
GROUNDCOVER						
HVC	0	<i>Hiericum calycinum</i>	Creeping St. John's Wort	6" HT.	12"	1 GALLON

LANDSCAPE 700 ITEMS				
QTY	UNIT	CAT. CODE	ITEM	SHA SPECS
75	LF	693104	4 FOOT FARM FENCE (TPF)	120
242	SY	701214	FURNISHED SUBSOIL 18 INCH DEPTH	701
11	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH	701
242	SY	704365	FURNISHED TOPSOIL 6 INCH DEPTH	701
11	SY	705565	REFERTILIZING	705
11	SY	710150	TURFGRASS SOD ESTABLISHMENT	708
242	SY	710170	CONSTRUCTING PLANTING BEDS	710
242	SY	715015	SHREDDED HARDWOOD BARK MULCHING (3")	710
15	LF	715050	TREE ROOT PRUNING	715



LANDSCAPE LEGEND

EXISTING TREE	
EX TREE TO BE REMOVED	
PROPOSED TREE	
PROPOSED SHRUB	
PROPOSED GROUNDCOVER	
TURFGRASS SOD	
TREE PROTECTION FENCE	
TREE ROOT PRUNE	

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RECOMMENDED FOR APPROVAL

Chief, Design Section _____ Date _____

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Chief, Division of Transportation Engineering _____ Date _____

DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 LANDSCAPE PLAN

SCALE: 1"=20' SHEET_052_of_113

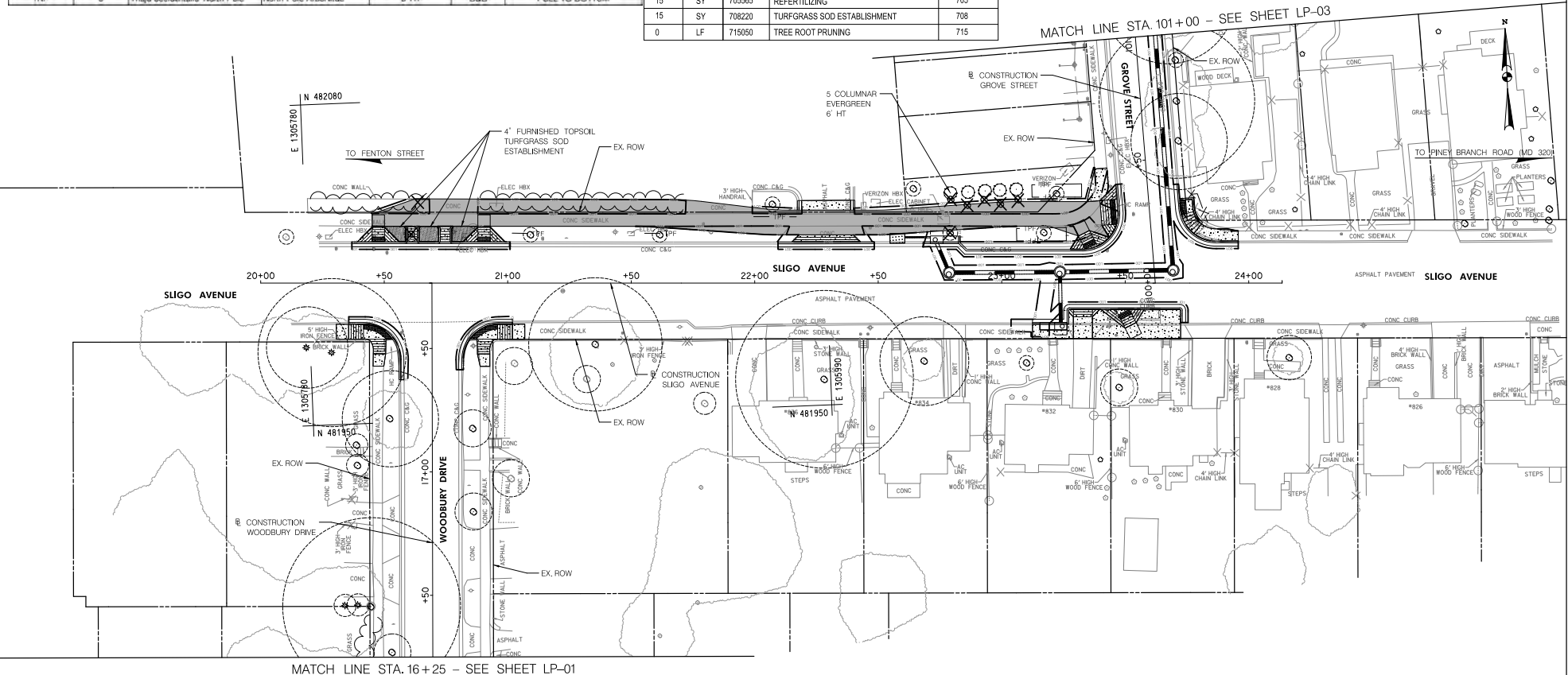
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MATCH LINE STA. 16+25 - SEE SHEET LP-02

Attachment A: Corridor Engineering Drawings

TREE, SHRUB, AND PERENNIAL INSTALLATION AND ESTABLISHMENT - PRELIMINARY LIST						
SYM	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	BALL	REMARKS
EVERGREENS						
IDL	0	<i>Ilex x aquifolium</i> 'Meschick'	Dragon Lady Holly	6' HT	B&B	FULL TO BOTTOM
IBS	0	<i>Ilex meserveae</i> 'Blue Stallion'	Blue Stallion Holly	6' HT	B&B	FULL TO BOTTOM/PO-LINATOR
TNP	0	<i>Thuja occidentalis</i> 'North Pole'	North Pole Arborvitae	6' HT	B&B	FULL TO BOTTOM

LANDSCAPE 700 ITEMS					
QTY	UNIT	CAT. CODE	ITEM	SHA	SPECS
100	LF	693104	4 FOOT FARM FENCE (TPF)	120	
15	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH	701	
15	SY	705565	REFERTILIZING	705	
15	SY	708220	TURFGRASS SOD ESTABLISHMENT	708	
0	LF	715050	TREE ROOT PRUNING	715	



LANDSCAPE LEGEND

- EXISTING TREE
- EX TREE TO BE REMOVED
- PROPOSED TREE
- PROPOSED SHRUB
- PROPOSED GROUNDCOVER
- TURFGRASS SOD
- TREE PROTECTION FENCE
- TREE ROOT PRUNE



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Chief, Design Section _____ Date _____

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Chief, Division of Transportation Engineering _____ Date _____

LP-02

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

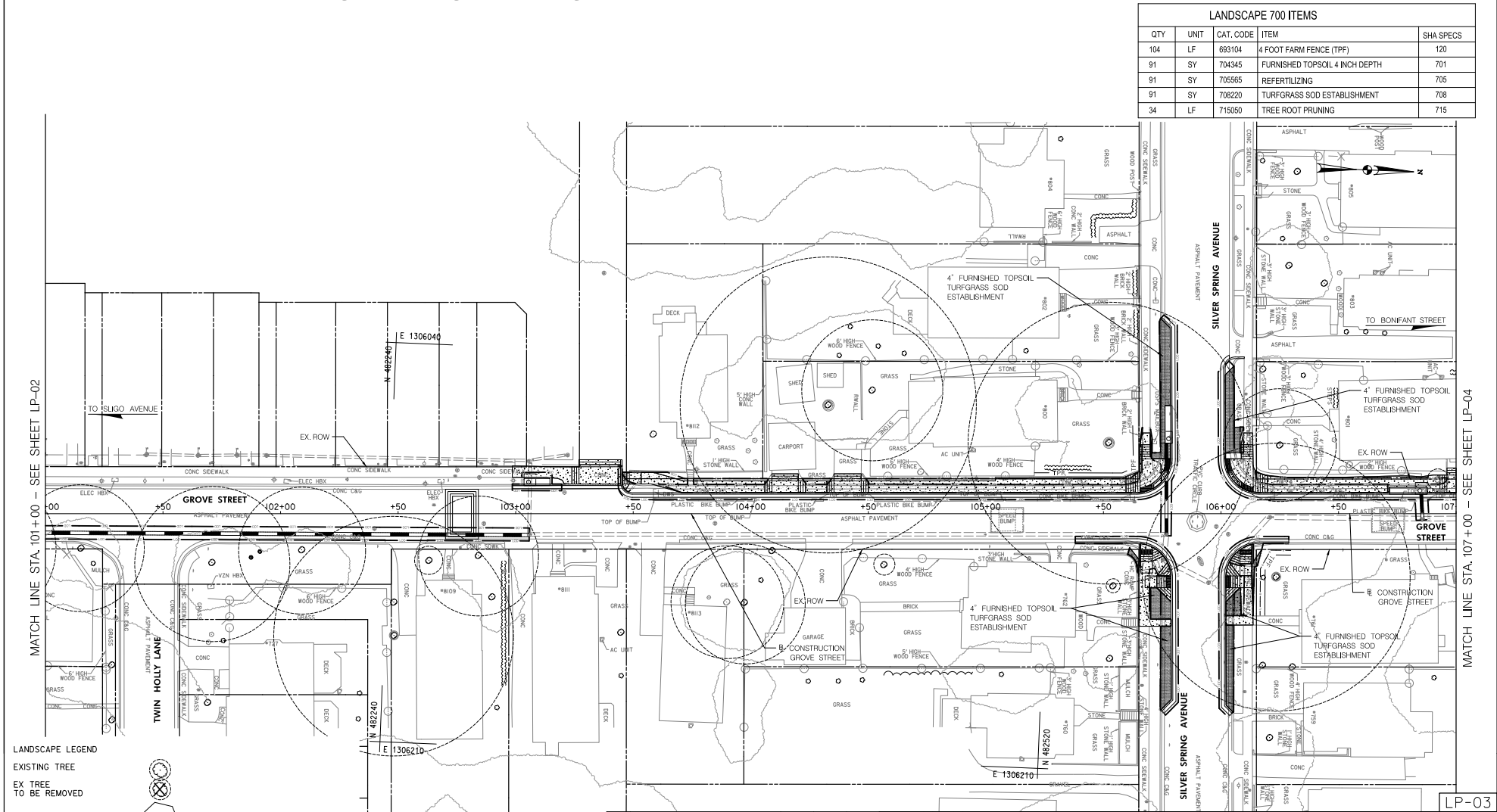
EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
LANDSCAPE PLAN

SCALE: 1"=20' SHEET_053_of_113

5/22/2024 U:\202603123\700 CAD\1700_Sheet\p\LP-002.ESS\Gr-reenway.dgn

Attachment A: Corridor Engineering Drawings

LANDSCAPE 700 ITEMS					
QTY	UNIT	CAT. CODE	ITEM	SHA	SPECS
104	LF	693104	4 FOOT FARM FENCE (TPF)	120	
91	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH	701	
91	SY	705565	REFERTILIZING	705	
91	SY	708220	TURFGRASS SOD ESTABLISHMENT	708	
34	LF	715050	TREE ROOT PRUNING	715	



- LANDSCAPE LEGEND**
- EXISTING TREE
 - EX TREE TO BE REMOVED
 - PROPOSED TREE
 - PROPOSED SHRUB
 - PROPOSED GROUNDCOVER
 - TURFGRASS SOD
 - TREE PROTECTION FENCE
 - TREE ROOT PRUNE

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BPPA
Bicycle and Pedestrian Priority Areas

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

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
LANDSCAPE PLAN

SCALE: 1"=20'

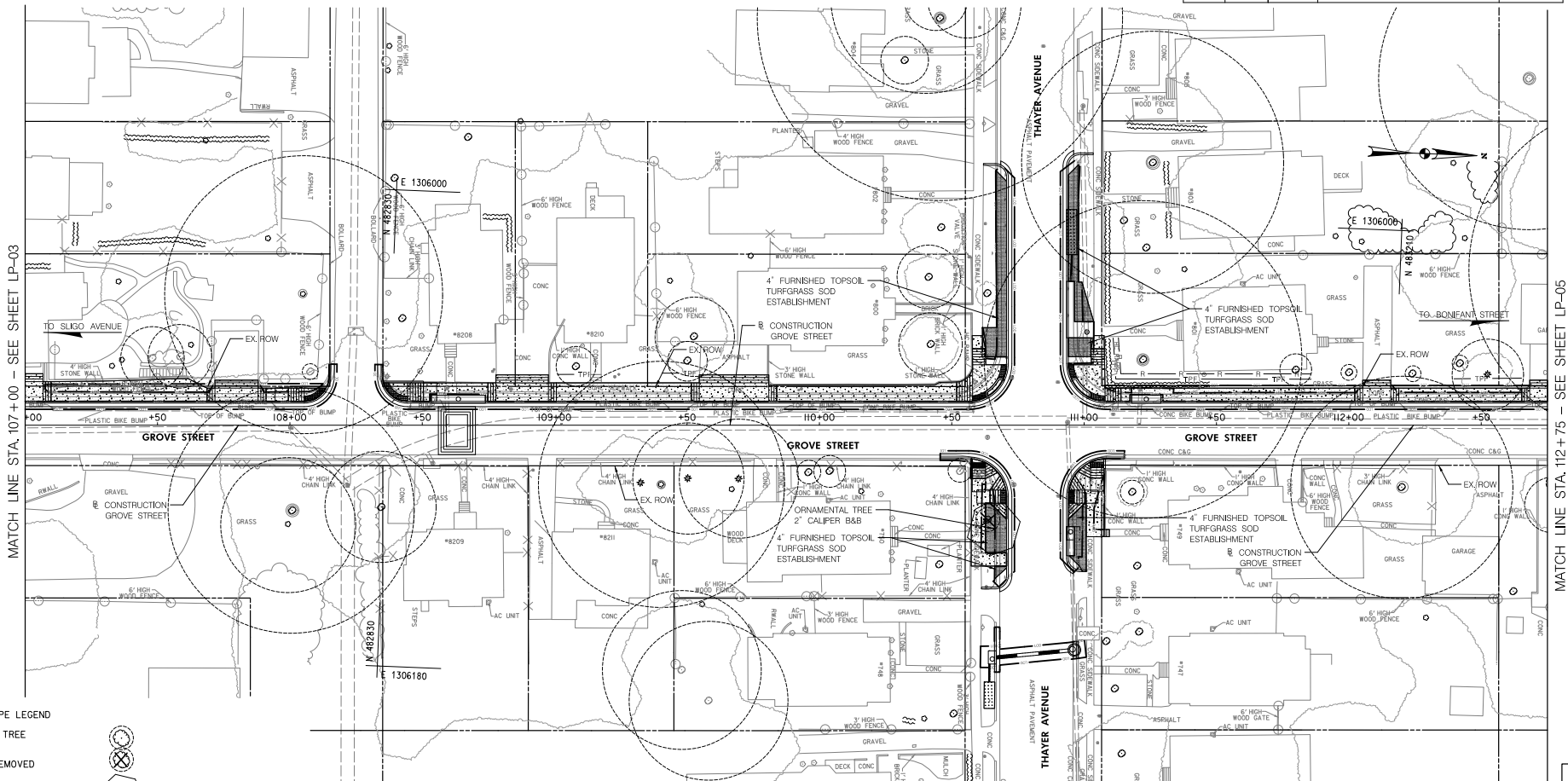
SHEET 054 of 113

5/22/2024
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Attachment A: Corridor Engineering Drawings

TREE, SHRUB, AND PERENNIAL INSTALLATION AND ESTABLISHMENT - PRELIMINARY LIST						
SYM	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	B&B	REMARKS
TREES						
CC	0	<i>Cercis canadensis</i> 'Rising Sun'	Rising Sun Redbud	2 IN. CAL.	B&B	SINGLE LEADER
HC	0	<i>Halesia carolina</i>	Carolina Silverbell	2 IN. CAL.	B&B	CENTRAL LEADER

LANDSCAPE 700 ITEMS					
QTY	UNIT	CAT. CODE	ITEM	SHA	SPECS
90	LF	693104	4 FOOT FARM FENCE (TPF)		120
97	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH		701
97	SY	705565	REFERTILIZING		705
97	SY	708220	TURFGRASS SOD ESTABLISHMENT		708
90	LF	715050	TREE ROOT PRUNING		715



- LANDSCAPE LEGEND**
- EXISTING TREE
 - EX TREE TO BE REMOVED
 - PROPOSED TREE
 - PROPOSED SHRUB
 - PROPOSED GROUNDCOVER
 - TURFGRASS SOD
 - TREE PROTECTION FENCE
 - TREE ROOT PRUNE

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Chief, Design Section _____ Date _____

APPROVED

Chief, Division of Transportation Engineering _____ Date _____

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DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
LANDSCAPE PLAN

SCALE: 1"=20'

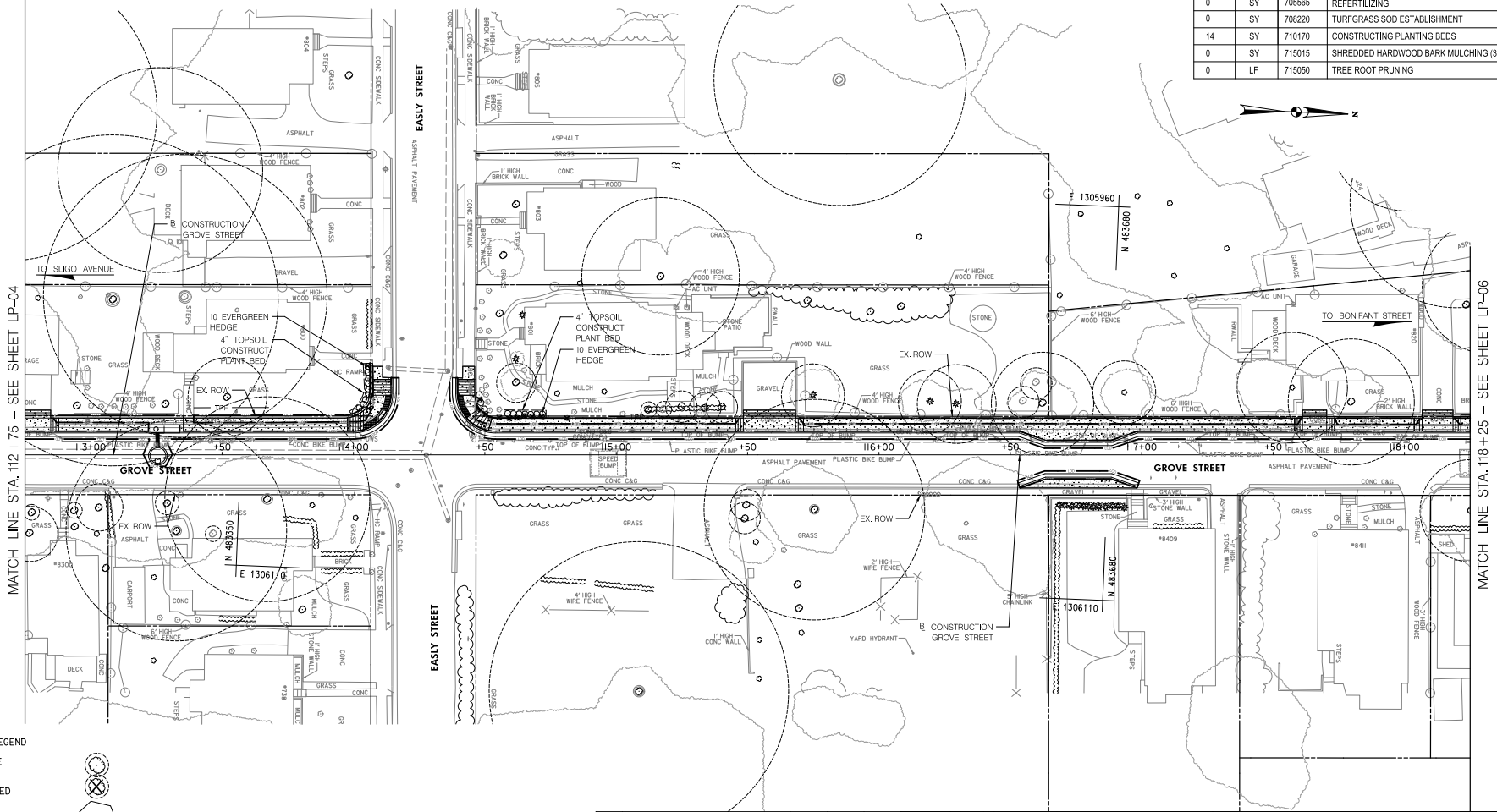
SHEET 055 of 113

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Attachment A: Corridor Engineering Drawings

TREE, SHRUB, AND PERENNIAL INSTALLATION AND ESTABLISHMENT - PRELIMINARY LIST						
SYM	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	BALL SPACING	REMARKS
SHRUBS				SIZE	SPACING	CONTAINER
BGM	0	<i>Buxus 'Green Mountain'</i>	Green Mountain Boxwood	24 - 30" IN. HT.	3' O.C.	3 GALLON
IGS	0	<i>Ilex glabra 'Shamrock'</i>	Shamrock Inkberry	24 IN. HT.	3' O.C.	3 GALLON
VNB	0	<i>Viburnum nudum 'Bull'</i>	Brandywine Viburnum	24" - 30" IN. HT.	4' O.C.	3 GALLON

LANDSCAPE 700 ITEMS					
QTY	UNIT	CAT. CODE	ITEM	SHA	SPECS
0	LF	693104	4 FOOT FARM FENCE (TPF)	120	
14	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH	701	
0	SY	705565	REFERTILIZING	705	
0	SY	708220	TURFGRASS SOD ESTABLISHMENT	708	
14	SY	710170	CONSTRUCTING PLANTING BEDS	710	
0	SY	715015	SHREDDED HARDWOOD BARK MULCHING (3")	710	
0	LF	715050	TREE ROOT PRUNING	715	



LANDSCAPE LEGEND

- EXISTING TREE
- EX TREE TO BE REMOVED
- PROPOSED TREE
- PROPOSED SHRUB
- PROPOSED GROUNDCOVER
- TURFGRASS SOD
- TREE PROTECTION FENCE
- TREE ROOT PRUNE



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APPROVED						
					Chief, Division of Transportation Engineering	Date

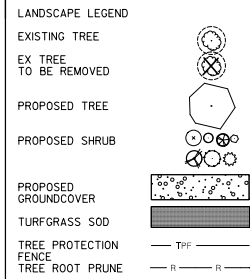
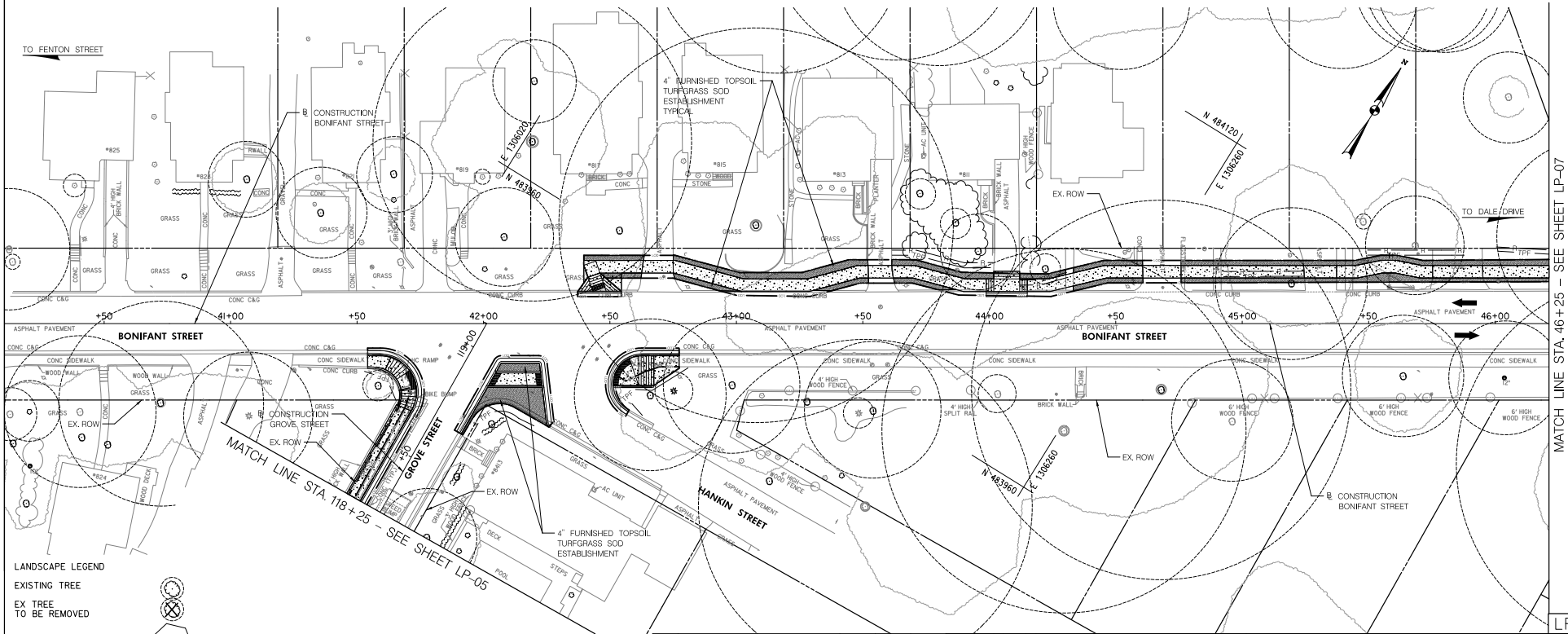
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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
LANDSCAPE PLAN

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Attachment A: Corridor Engineering Drawings

LANDSCAPE 700 ITEMS				
QTY	UNIT	CAT. CODE	ITEM	SHA SPECS
190	LF	693104	4 FOOT FARM FENCE (TPF)	120
166	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH	701
166	SY	705565	REFERTILIZING	705
166	SY	708220	TURFGRASS SOD ESTABLISHMENT	708
130	LF	715050	TREE ROOT PRUNING	715



NO.	REVISION	BY	APP'D	DATE

DESIGNED BY: KRJ DATE: MAY, 2024
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APPROVED

Chief, Division of Transportation Engineering _____ Date _____

DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 LANDSCAPE PLAN

SCALE: 1"=20' SHEET_057_ of _113_

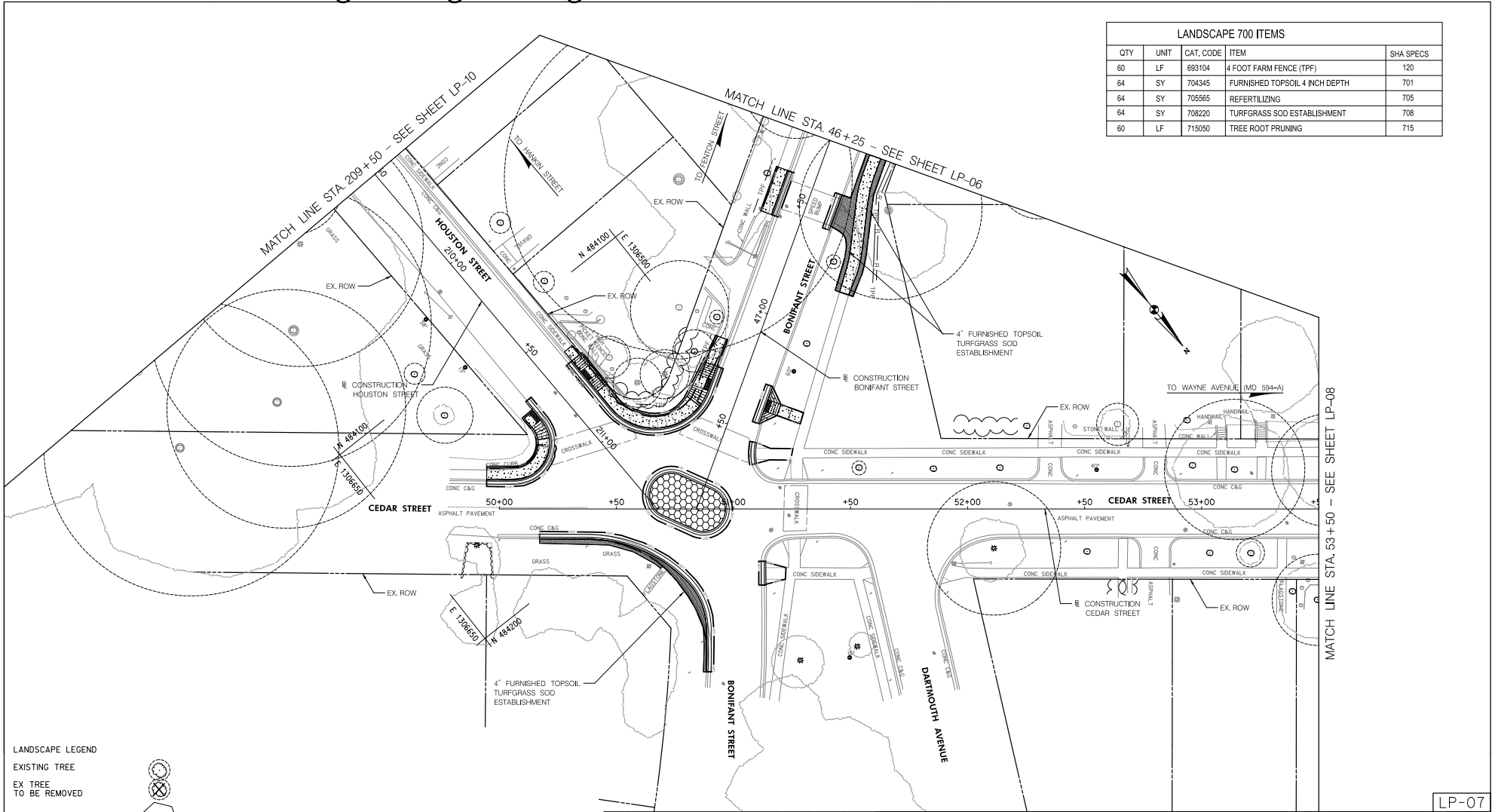
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BPPA
 Bicycle and Pedestrian Priority Areas

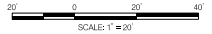
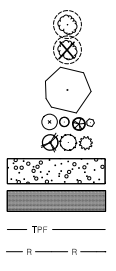
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Attachment A: Corridor Engineering Drawings

LANDSCAPE 700 ITEMS				
QTY	UNIT	CAT. CODE	ITEM	SHA SPECS
60	LF	693104	4 FOOT FARM FENCE (TPF)	120
64	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH	701
64	SY	705565	REFERTILIZING	705
64	SY	708220	TURFGRASS SOD ESTABLISHMENT	708
60	LF	715050	TREE ROOT PRUNING	715



- LANDSCAPE LEGEND
- EXISTING TREE
 - EX TREE TO BE REMOVED
 - PROPOSED TREE
 - PROPOSED SHRUB
 - PROPOSED GROUNDCOVER
 - TURFGRASS SOD
 - TREE PROTECTION FENCE
 - TREE ROOT PRUNE



810 Glenhead Court, Suite 300
 Baltimore, MD 21286
 www.stantec.com

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: KRJ	DATE: MAY, 2024
					DRAWN BY: KRJ	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL						
Chief, Design Section					Date	
APPROVED						
Chief, Division of Transportation Engineering					Date	

DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 LANDSCAPE PLAN

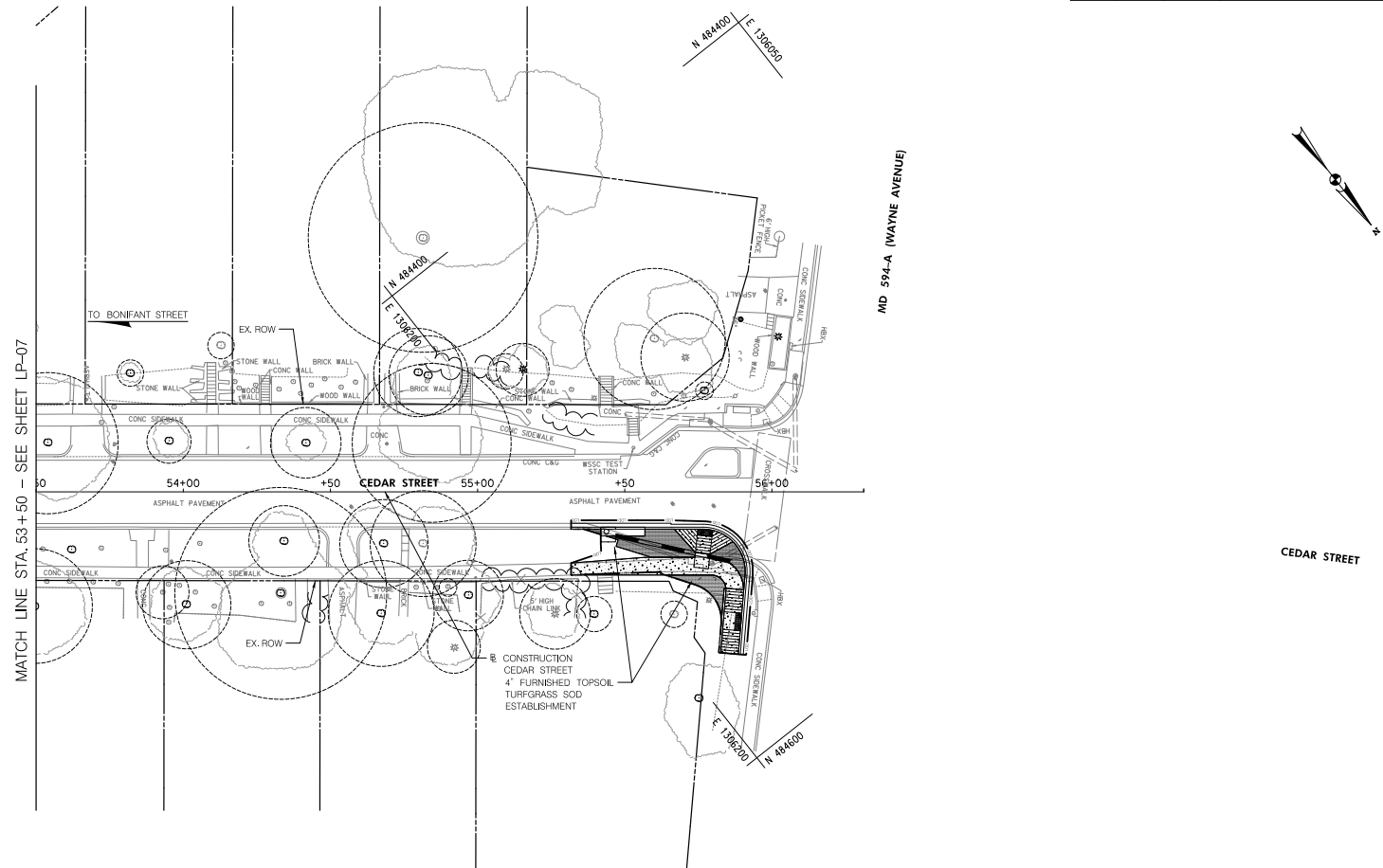
SCALE: 1"=20'

SHEET 058 of 113

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Attachment A: Corridor Engineering Drawings

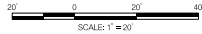
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62	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH	701
62	SY	705565	REFERTILIZING	705
62	SY	708220	TURFGRASS SOD ESTABLISHMENT	708
0	LF	715050	TREE ROOT PRUNING	715



5/22/2024
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LANDSCAPE LEGEND

- EXISTING TREE
- EX TREE TO BE REMOVED
- PROPOSED TREE
- PROPOSED SHRUB
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LP-08

DEPARTMENT OF TRANSPORTATION
 DIVISION OF TRANSPORTATION ENGINEERING
 MONTGOMERY COUNTY, MARYLAND

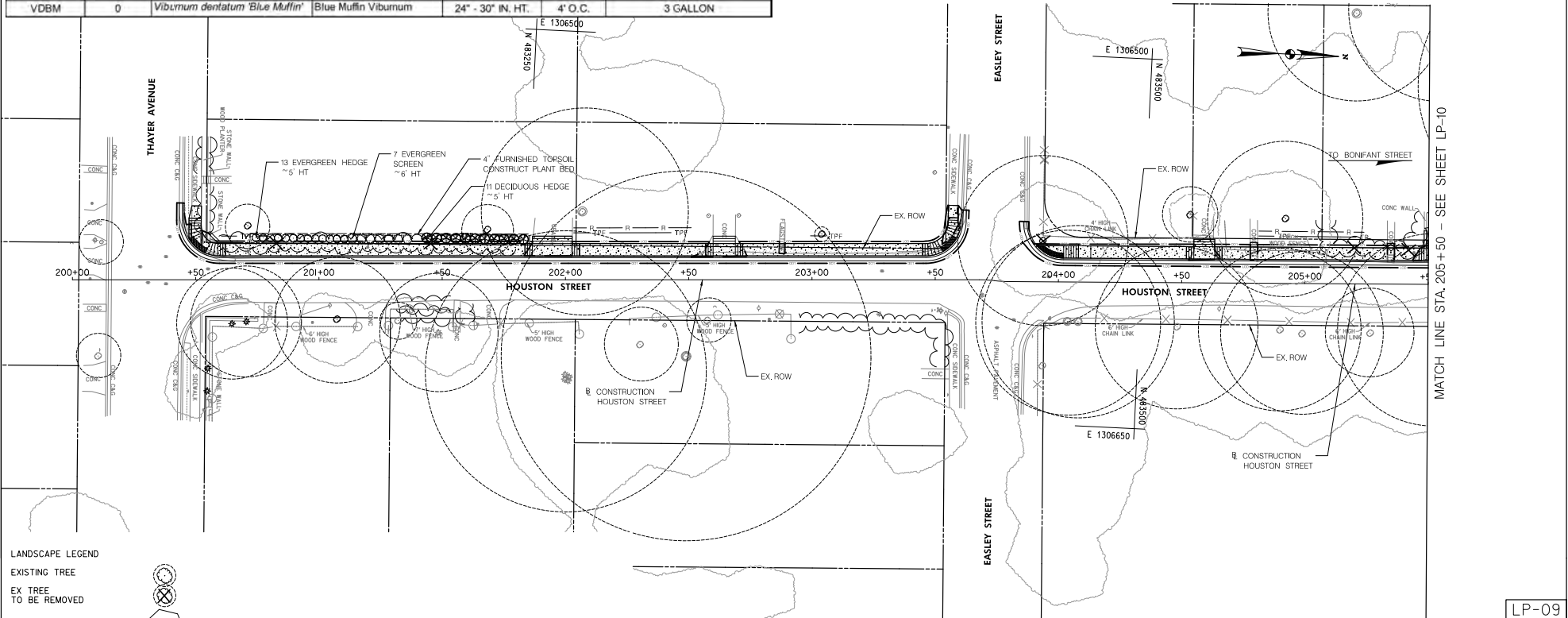
EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 LANDSCAPE PLAN

SCALE: 1"=20' SHEET_059_of_113

Attachment A: Corridor Engineering Drawings

TREE, SHRUB, AND PERENNIAL INSTALLATION AND ESTABLISHMENT - PRELIMINARY LIST						
SYM	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	BALL	REMARKS
EVERGREENS						
IDL	0	<i>Ilex x aquipernyi</i> 'Meschick'	Dragon Lady Holly	6' HT	B&B	FULL TO BOTTOM
IBS	0	<i>Ilex meserveae</i> 'Blue Stallion'	Blue Stallion Holly	6' HT	B&B	FULL TO BOTTOM/POLLINATOR
TNP	0	<i>Thuja occidentalis</i> 'North Pole'	North Pole Arborvitae	6' HT	B&B	FULL TO BOTTOM
SHRUBS						
BGM	0	<i>Buxus</i> 'Green Mountain'	Green Mountain Boxwood	24 - 30" IN. HT.	3" O.C.	3 GALLON
CSAF	0	<i>Cornus stolonifera</i> 'Arctic Fire'	Arctic Fire Dogwood	24 IN. HT.	3" O.C.	3 GALLON
IGS	0	<i>Ilex glabra</i> 'Shamrock'	Shamrock Inkberry	24 IN. HT.	3" O.C.	3 GALLON
IVJD	0	<i>Ilex verticillata</i> 'Jim Dandy'	Jim Dandy Winterberry	24 IN. HT.	3" O.C.	3 GALLON/POLLINATOR
IVRS	0	<i>Ilex verticillata</i> 'Red Sprite'	Red Sprite Winterberry	24 - 30" IN. HT.	3" O.C.	3 GALLON
IVLH	0	<i>Itea virginica</i> 'Little Henry'	Little Henry Sweetspire	24" - 30" IN. HT.	3" O.C.	3 GALLON
VNB	0	<i>Viburnum nudum</i> 'Bulk'	Brandywine Viburnum	24" - 30" IN. HT.	4" O.C.	3 GALLON
VDBM	0	<i>Viburnum dentatum</i> 'Blue Muffin'	Blue Muffin Viburnum	24" - 30" IN. HT.	4" O.C.	3 GALLON

LANDSCAPE 700 ITEMS					
QTY	UNIT	CAT. CODE	ITEM	SHA	SPECS
100	LF	693104	4 FOOT FARM FENCE (TPF)	120	
50	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH	701	
0	SY	705565	REFERTILIZING	705	
0	SY	708220	TURFGRASS SOD ESTABLISHMENT	708	
50	SY	710170	CONSTRUCTING PLANTING BEDS	710	
50	SY	715015	SHREDDED HARDWOOD BARK MULCHING (3")	710	
100	LF	715050	TREE ROOT PRUNING	715	



LANDSCAPE LEGEND

- EXISTING TREE
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- PROPOSED TREE
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DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
LANDSCAPE PLAN

SCALE: 1"=20'

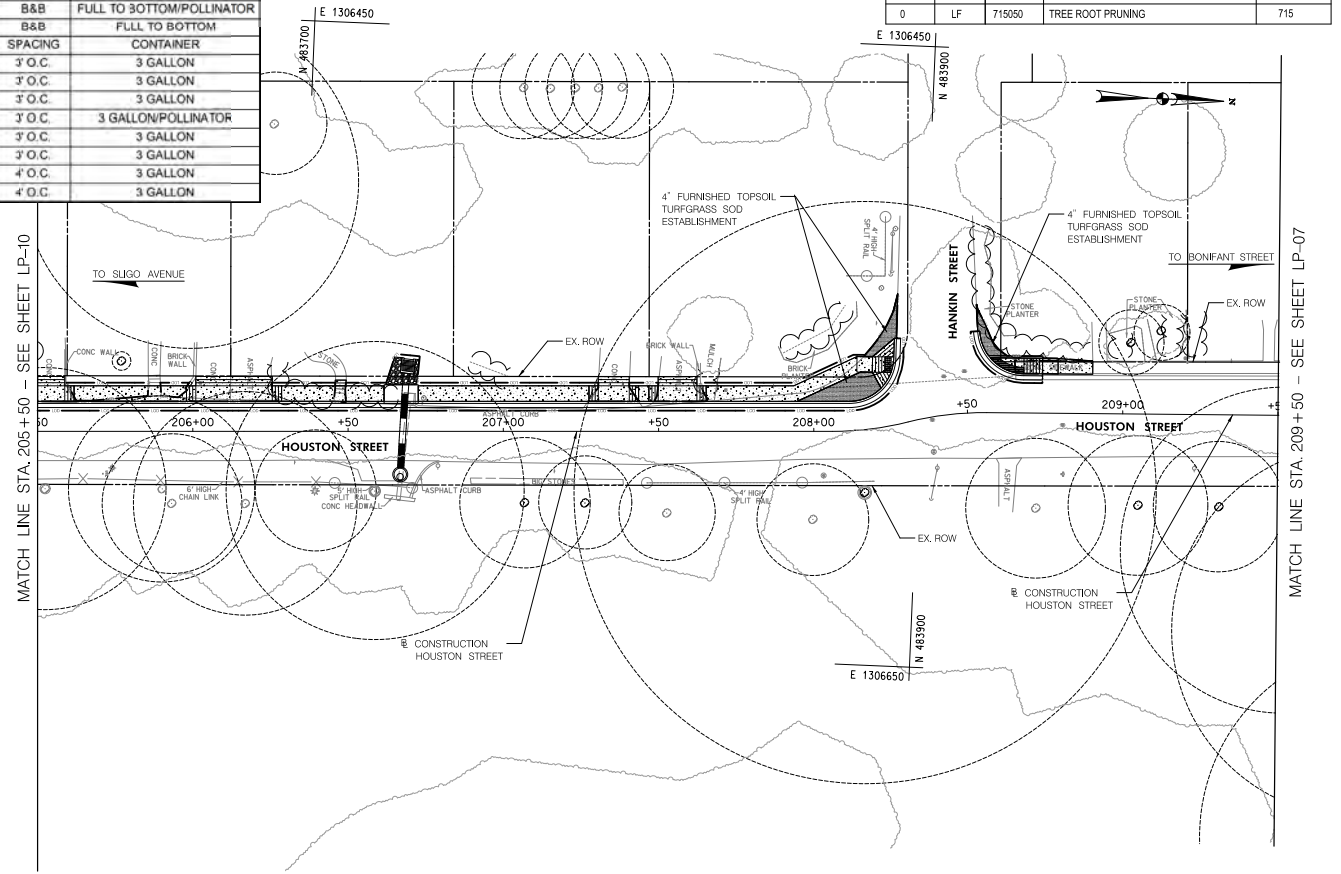
SHEET 060 of 113

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Attachment A: Corridor Engineering Drawings

TREE, SHRUB, AND PERENNIAL INSTALLATION AND ESTABLISHMENT - MASTER PRELIMINARY LIST						
SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	BALL	REMARKS
TREES						
CC	0	<i>Cercis canadensis 'Rising Sun'</i>	Rising Sun Redbud	2 IN. CAL.	B&B	SINGLE LEADER
HC	0	<i>Halesia carolina</i>	Carolina Silverbell	2 IN. CAL.	B&B	CENTRAL LEADER
EVERGREENS						
IDL	0	<i>Ilex x aquiperryi 'Meschick'</i>	Dragon Lady Holly	6' HT	B&B	FULL TO BOTTOM
IBS	0	<i>Ilex meserveae 'Blue Stallion'</i>	Blue Stallion Holly	6' HT	B&B	FULL TO BOTTOM/POLLINATOR
TNP	0	<i>Thuja occidentalis 'North Pole'</i>	North Pole Arborvitae	6' HT	B&B	FULL TO BOTTOM
SHRUBS						
				SIZE	SPACING	CONTAINER
BGM	0	<i>Buxus 'Green Mountain'</i>	Green Mountain Boxwood	24 - 30" IN. HT.	3' O.C.	3 GALLON
CSAF	0	<i>Cornus stolonifera 'Arctic Fire'</i>	Arctic Fire Dogwood	24 IN. HT.	3' O.C.	3 GALLON
IGS	0	<i>Ilex glabra 'Shamrock'</i>	Shamrock Inkberry	24 IN. HT.	3' O.C.	3 GALLON
IJD	0	<i>Ilex verticillata 'Jim Dandy'</i>	Jim Dandy Winterberry	24 IN. HT.	3' O.C.	3 GALLON/POLLINATOR
IVRS	0	<i>Ilex verticillata 'Red Sprite'</i>	Red Sprite Winterberry	24 - 30" IN. HT.	3' O.C.	3 GALLON
IVLH	0	<i>Itea virginica 'Little Henry'</i>	Little Henry Sweetpire	24" - 30" IN. HT.	3' O.C.	3 GALLON
VNB	0	<i>Viburnum nudum 'Bulk'</i>	Brandywine Viburnum	24" - 30" IN. HT.	4' O.C.	3 GALLON
VDBM	0	<i>Viburnum dentatum 'Blue Muffin'</i>	Blue Muffin Viburnum	24" - 30" IN. HT.	4' O.C.	3 GALLON

LANDSCAPE 700 ITEMS				
QTY	UNIT	CAT. CODE	ITEM	SHA SPECS
0	LF	693104	4 FOOT FARM FENCE (TFP)	120
27	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH	701
27	SY	705965	REFERTILIZING	705
27	SY	708220	TURFGRASS SOD ESTABLISHMENT	708
0	LF	715050	TREE ROOT PRUNING	715



- LANDSCAPE LEGEND**
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APPROVED

Chief, Division of Transportation Engineering _____ Date _____

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
LANDSCAPE PLAN

SCALE: 1"=20'

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Attachment A: Corridor Engineering Drawings

GENERAL LANDSCAPE NOTES

1. INSTALL A MINIMUM OF 4 IN. DEPTH TOPSOIL IN TURFGRASS ESTABLISHMENT AREAS.
2. TREAT AND REMOVE INVASIVE SPECIES WHERE INDICATED ON THE PLANS AND WHERE DIRECTED BY THE ENGINEER.
3. RETAIN DESIRABLE TREES, SHRUBS, AND PERENNIALS EXCEPT WHERE INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER.
4. DO NOT REMOVE OR PRUNE THE BRANCHES OR ROOTS OF TREES WITHIN MDOT SHA RIGHT-OF-WAY WITHOUT AN APPROVED ROADSIDE TREE PERMIT OR REFORESTATION SITE REVIEW APPROVAL FROM THE MD DEPARTMENT OF NATURAL RESOURCES FOREST SERVICE.
5. PLANT IN CLUSTERS OF 3 TO 5 INDIVIDUAL TREES/SHRUBS OF LIKE SPECIES TO CREATE A PATTERN CONSISTENT WITH NATURAL FOREST DEVELOPMENT.

SITE SPECIFIC NOTES

1. TREE PLANTING SETBACKS:

- A. NO TREES SHALL BE LOCATED IN CLEAR ZONES ADJACENT TO TRAVEL LANES OR IN INTERSECTION SIGHT TRIANGLES.
 1. IN FILL SLOPES OF 5:1 TO 4:1 THE MINIMUM OFFSET DISTANCE TO TREE TRUNKS FOR A TRAVEL LANE WITH A POSTED SPEED OF 55 MPH IS 30 FEET.
 - B. MAINTAIN OFFSETS FROM OVERHEAD ELECTRIC LINES AS PER THE FOLLOWING BASED ON SIZE AT MATURITY:
 1. OFFSET SMALL TREES (UNDER 20 FT. HEIGHT AT MATURITY) 20 FT. FROM WIRES AND POLES.
 2. OFFSET MEDIUM TREES (20-50 FT. HEIGHT AT MATURITY AND MEDIUM AND LARGE COLUMNAR TREES 20 FT. WIDE AT MATURITY) 30 FT. FROM WIRES AND POLES.
 3. OFFSET LARGE TREES (OVER 50 FT. HEIGHT AT MATURITY) 50 FT. FROM WIRES AND POLES.
 - C. INSTALL TREES AT LEAST 7 FT. PLUS HALF THE PIPE DIAMETER FROM THE CENTERLINE OF WATER, GAS, AND SANITARY SEWER LINES. ADDITIONAL SETBACKS MAY BE REQUIRED BY THE OWNER OF THE UTILITY.
 - D. INSTALL TREES AT LEAST 7 FT. PLUS HALF THE PIPE DIAMETER OF UNDERGROUND STORM DRAIN PIPES.
 - E. INSTALL TREES AT LEAST 15 FT. FROM BACK OF TRAFFIC BARRIERS.
 - F. INSTALL SHADE TREES AND UPRIGHT/COLUMNAR ORNAMENTAL TREES AT LEAST 5 FT. BACK FROM THE BACK OF CURB IN CLOSED-SECTION MEDIAN PLANTINGS.
 - G. INCREASE SETBACKS FROM ROADS, SIDEWALKS, TRAFFIC CONTROL DEVICES AND STRUCTURES FOR MULTISTEMMED AND/OR BROAD-SPREADING ORNAMENTAL TREES TO MAINTAIN NECESSARY BRANCH CLEARANCE.
- ### 2. SHRUB PLANTING SETBACKS:
- A. INSTALL SHRUBS AT LEAST 10 FT. FROM TRAFFIC BARRIERS.
 - B. DO NOT INSTALL SHRUBS IN SIGHT TRIANGLES FOR INTERSECTIONS WHERE THE MATURE HEIGHT OF THE SHRUBS WHEN ADDED TO EXISTING TERRAIN WILL EXCEED 30 IN. HEIGHT.

MDTA LANDSCAPE NOTES

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

7.2 SHA STANDARD SPECIFICATIONS. LANDSCAPE CONSTRUCTION SHALL CONFORM TO SECTIONS 701 THROUGH 716, AND LANDSCAPE MATERIALS SHALL CONFORM TO SECTION 920 OF THE MOST RECENT REVISION OF SHA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, INCLUDING ALL REVISIONS AND SUPPLEMENTS, AND AS SPECIFIED IN THESE NOTES. THESE REQUIREMENTS SHALL SUPERSEDE ALL OTHER SPECIFICATIONS FOR WORK ON SHA PROPERTY. 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/DESMANULSTDPLB/PUBLICATIONSONLINE/0HD/BOOKSTD/TOCCAT7.ASP](http://apps.roads.maryland.gov/businesswithsha/bizstdsspecs/desmanulstdpub/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 WITHIN CHANNELS.
3. TEMPORARY SEED SHALL BE INSTALLED IN LIEU OF TEMPORARY MULCH WHEN SOIL DISTURBANCE 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.

7.13 TREE PRESERVATION AREAS. TEMPORARY ORANGE CONSTRUCTION FENCE (TOCF) SHALL BE INSTALLED IN LOCATIONS DELINEATED ON THE PLANS IN CONFORMANCE WITH SECTION 120 OF THE SHA STANDARD SPECIFICATION TO PROTECT EXISTING TREES AND OTHER VEGETATION DURING CONSTRUCTION. AREAS WITHIN TOCF SHALL BE PROTECTED FROM ALL PROHIBITED AND RESTRICTED ACTIVITIES, AS SPECIFIED IN SECTION 120.

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.

7.20 STUMP REMOVAL. STUMP REMOVAL IN TURFGRASS OR MEADOW AREAS SHALL BE PERFORMED IN CONFORMANCE WITH OPERATION 5 - STUMP REMOVAL OF SECTION 714.

7.21 TREE BRANCH PRUNING SHALL BE PERFORMED OR DIRECTLY SUPERVISED BY A MARYLAND LICENSED TREE EXPERT IN CONFORMANCE WITH ANSI A300 STANDARDS PER SECTION 712 AS NECESSARY FOR ANY OF THE FOLLOWING: TO INSTALL TEMPORARY ORANGE CONSTRUCTION FENCE (TOCF) ALONG DELINEATIONS OF PLANS; TO PERFORM TREE ROOT PRUNING ALONG DELINEATIONS ON PLANS; TO PROVIDE 8 FOOT CLEARANCE ABOVE SIDEWALK PAVEMENTS AND 16 FOOT CLEARANCE ABOVE ROADWAY PAVEMENTS; TO REPAIR TREE WOUNDS; AND TO PERFORM OTHER RECOMMENDED CLEANING, THINNING, REDUCING, AND PRUNING NECESSARY TO ACCOMMODATE UTILITIES. ALL DEBRIS SHALL BE REMOVED FROM SHA PROPERTY.

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 OTHER CONSTRUCTION ADJACENT TO TREES TO BE PRESERVED.

7.23 FINISHED MATERIALS, THE SUITABILITY, COLOR AND TEXTURE OF APPLICANT TO INSERT NAME OF MATERIALS WITH REFERENCES TO PAGES OF THE PLAN WHICH SPECIFY THESE MATERIALS TO BE INSTALLED SHALL BE APPROVED BEFORE INSTALLATION, THE CONTRACTOR SHALL FURNISH SAMPLE OR MAKE ARRANGEMENTS FOR INSPECTION AND APPROVAL AT THE PROJECT SITE.

TREE PROTECTION NOTE:

REFER TO TREE SAVE PLAN SNRI-42022181E FOR SEQUENCE OF CONSTRUCTION & TREE PROTECTION NOTES AND DETAILS.

TREE PROTECTION FENCE AND TREE ROOT PRUNE ARE INSTALLED AND PERFORMED AT THE LOD LINE. FINAL DETERMINATION TO BE MADE DURING THE PRECONSTRUCTION MEETING FOR TREE PROTECTION.

LANDSCAPE 700 ITEMS				
QTY	UNIT	CAT. CODE	ITEM	SHA SPECS
719	LF	693104	4 FOOT FARM FENCE (TFF)	120
242	SY	701214	FURNISHED SUBSOIL 18 INCH DEPTH	701
597	SY	704345	FURNISHED TOPSOIL 4 INCH DEPTH	701
242	SY	704365	FURNISHED TOPSOIL 6 INCH DEPTH	701
533	SY	705565	REFERTILIZING	705
533	SY	708220	TURFGRASS SOD ESTABLISHMENT	708
306	SY	710170	CONSTRUCTING PLANTING BEDS	710
306	SY	715015	SHREDDED HARDWOOD BARK MULCHING (3") SHM IS INCIDENTAL TO CONSTRUCTING PLANTING BED	710
429	LF	715050	TREE ROOT PRUNING	715

LP-11

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: KRJ	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
					APPROVED	
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

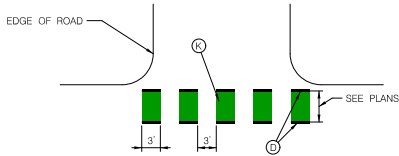
EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
LANDSCAPE NOTES

SCALE: NONE

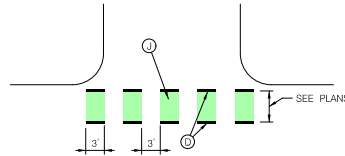
SHEET 062 of 113



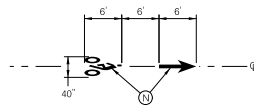
Attachment A: Corridor Engineering Drawings



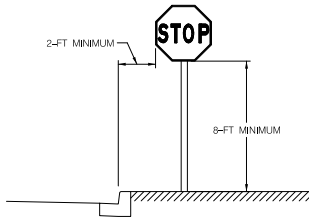
TYPICAL CONFLICT ZONE DETAIL
AT DRIVEWAYS



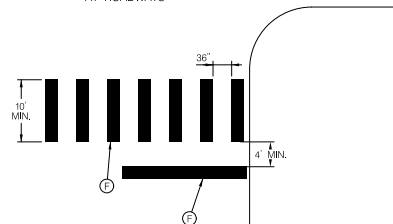
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AT ROADWAYS



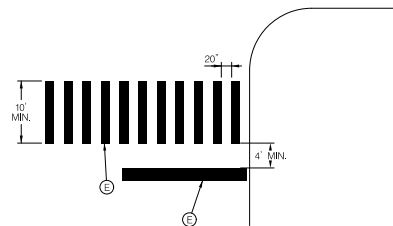
BIKE LANE SYMBOL DETAIL



POST MOUNTED SIGN DETAIL



TYPICAL CROSSWALK DETAIL SHA



TYPICAL SIGNALIZED CROSSWALK DETAIL MCDOT

NOTE: STOP BARS AT UNSIGNALIZED CROSSWALK SHALL BE 16" FOR MCDOT

PAVEMENT MARKING LEGEND

- (A) INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (DOUBLE)
- (B) INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
- (C) INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
- (D) INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (3-3-3 SKIP)
- (E) INSTALL 16 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING
- (F) INSTALL 24 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING
- (G) INSTALL WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
- (H) INSTALL BIKE SYMBOL WITH AN ARROW
- (I) INSTALL SHARROW
- (J) INSTALL GREEN PAVEMENT MARKING; PRE-FORMED THERMOPLASTIC (HIGH TRAFFIC VOLUME AREAS)
- (K) INSTALL GREEN PAVEMENT MARKING; EPOXY (LOW TRAFFIC VOLUME AREAS)
- (L) REMOVE PAVEMENT MARKING

DEPARTMENT OF TRANSPORTATION DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS MONTGOMERY COUNTY, MD	
APPROVED	
For	
BY	
DATE:	

SND-OI

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: DHM III	DATE: MAY, 2024
					DRAWN BY: DHM III	DATE: MAY, 2024
					CHECKED BY: S.JZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
SIGNING AND MARKING DETAILS

SCALE: NTS

SHEET 063 of 113

5/22/2024 \\lbf527-f01\shared\projects\20262312\T00_CADD\T00_Sheet\psn-0001_ESSNGreenway.dgn

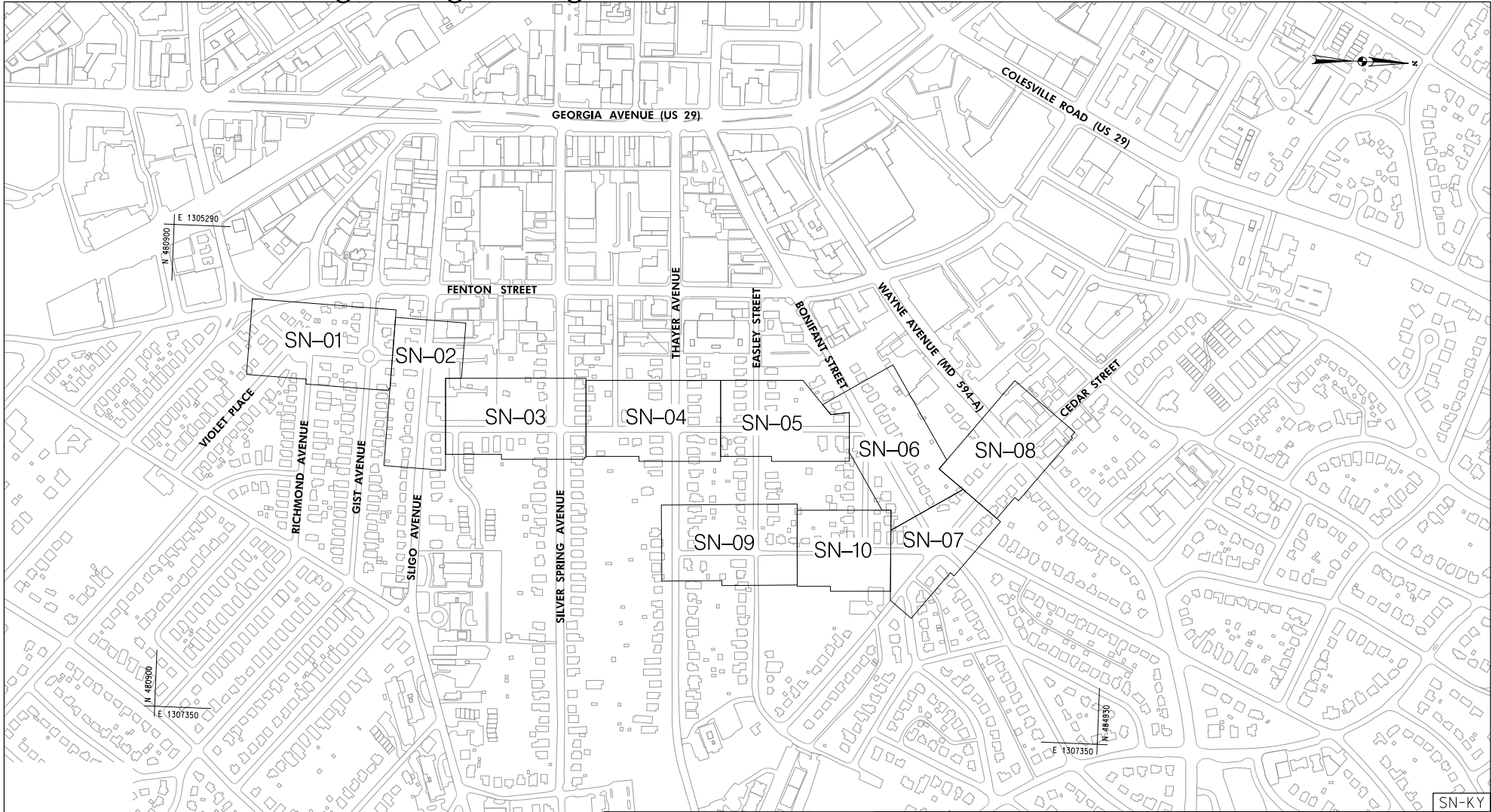
PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME AND THAT I AM A DULY LICENSED
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE
OF MARYLAND.
LICENSE NO. _____ EXPIRATION DATE: _____



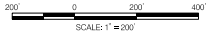
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Attachment A: Corridor Engineering Drawings



SN-KY



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					DRAWN BY: DHM III	DATE: MAY, 2024
					CHECKED BY: S.JZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
					RECOMMENDED FOR APPROVAL	
					Chief, Design Section	Date
					APPROVED	
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
SIGNING AND MARKING PLAN KEY

SCALE: 1"=200' SHEET 064 of 113

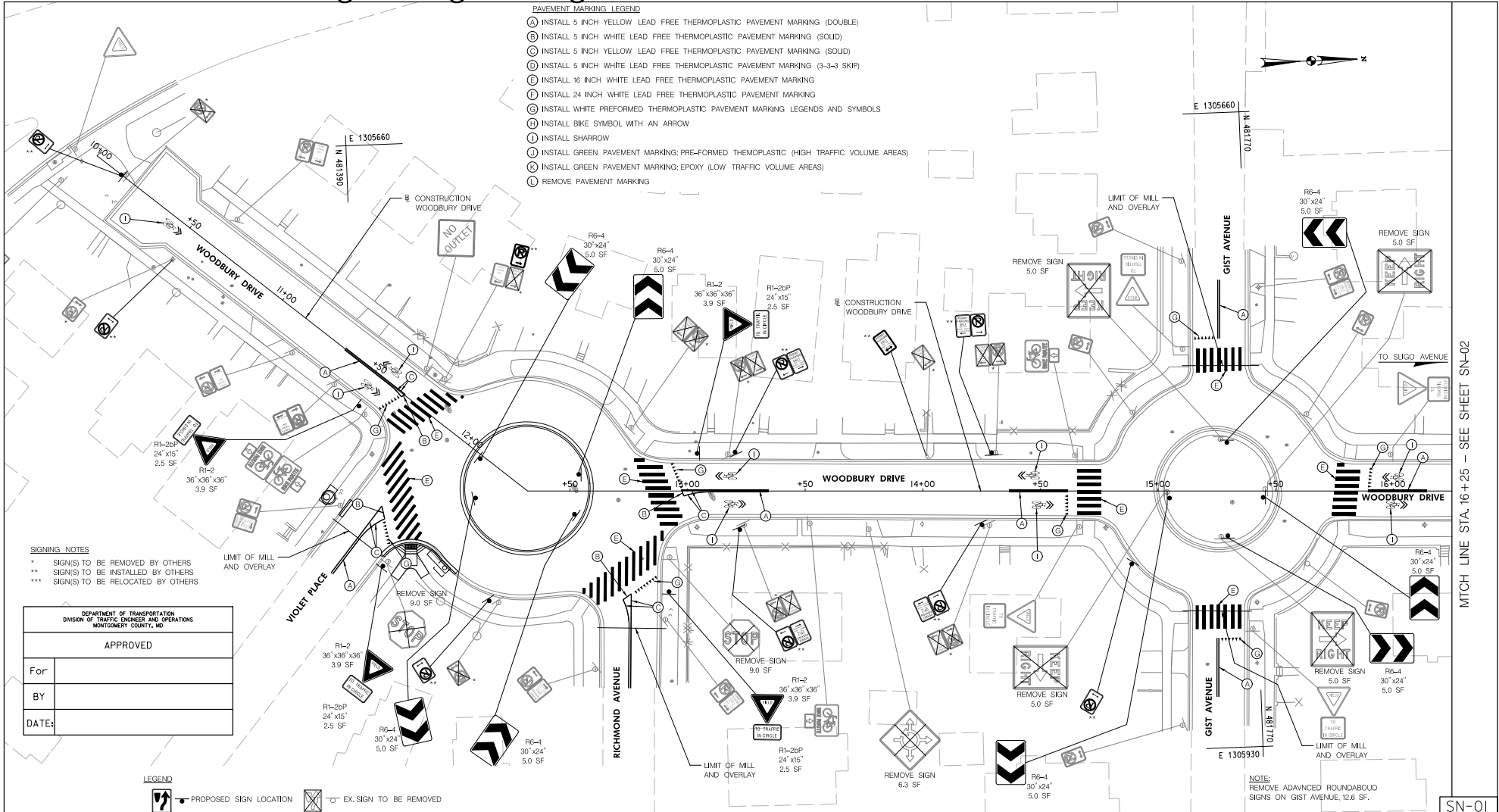


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Baltimore, MD 21286
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Attachment A: Corridor Engineering Drawings



- PAVEMENT MARKING LEGEND**
- (A) INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (DOUBLE)
 - (B) INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
 - (C) INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
 - (D) INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (3-3-3 SKIP)
 - (E) INSTALL 16 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING
 - (F) INSTALL 24 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING
 - (G) INSTALL WHITE PERFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
 - (H) INSTALL BIKE SYMBOL WITH AN ARROW
 - (I) INSTALL SHARROW
 - (J) INSTALL GREEN PAVEMENT MARKING; PRE-FORMED THERMOPLASTIC (HIGH TRAFFIC VOLUME AREAS)
 - (K) INSTALL GREEN PAVEMENT MARKING; EPOXY (LOW TRAFFIC VOLUME AREAS)
 - (L) REMOVE PAVEMENT MARKING

SIGNING NOTES

- * SIGN(S) TO BE REMOVED BY OTHERS
- ** SIGN(S) TO BE INSTALLED BY OTHERS
- *** SIGN(S) TO BE RELOCATED BY OTHERS

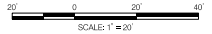
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS
MONTGOMERY COUNTY, MD

APPROVED

For _____

BY _____

DATE: _____



NO.	REVISION	BY	APPD	DATE	DESIGNED BY: DHM III	DATE: MAY, 2024
					DRAWN BY: DHM III	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL						
Chief, Design Section					Date	
APPROVED						
Chief, Division of Transportation Engineering					Date	

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
SIGNING AND MARKING PLAN

SCALE: 1"=20' SHEET 065 of 113

5/22/2024 \\lib527-f01\shared\projects\202623122\TOD_CADD\TOD_Sheet\ASN-F001_ESSNGreenway.dgn

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OF MARYLAND.
LICENSE NO. _____ EXPIRATION DATE: _____

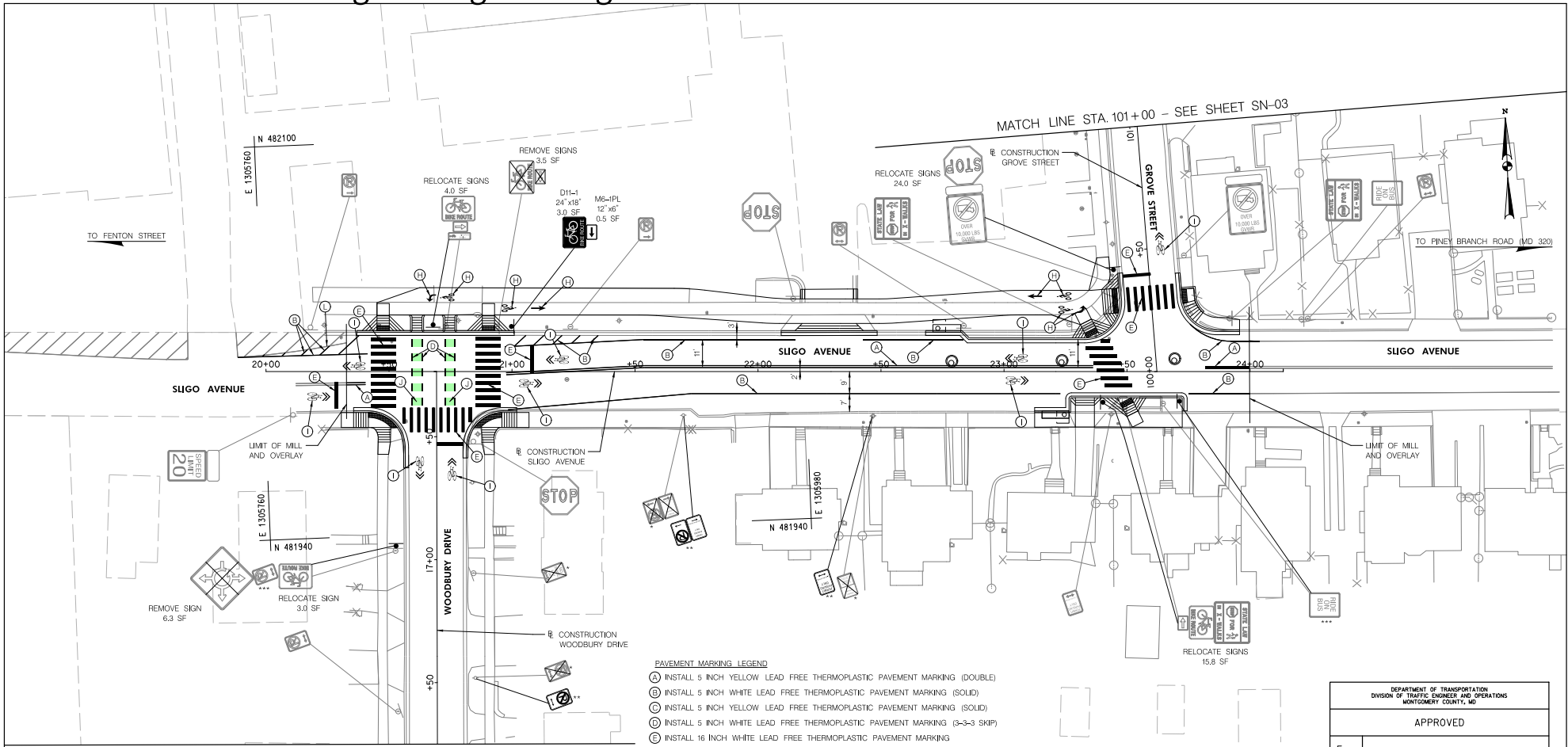


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MATCH LINE STA. 16+25 - SEE SHEET SN-02

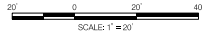
SN-01

Attachment A: Corridor Engineering Drawings



- PAVEMENT MARKING LEGEND**
- (A) INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (DOUBLE)
 - (B) INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
 - (C) INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
 - (D) INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (3-3-3 SKIP)
 - (E) INSTALL 16 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING
 - (F) INSTALL 24 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING
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 - (I) INSTALL SHARROW
 - (J) INSTALL GREEN PAVEMENT MARKING; PRE-FORMED THERMOPLASTIC (HIGH TRAFFIC VOLUME AREAS)
 - (K) INSTALL GREEN PAVEMENT MARKING; EPOXY (LOW TRAFFIC VOLUME AREAS)
 - (L) REMOVE PAVEMENT MARKING

- SIGNING NOTES**
- * SIGN(S) TO BE REMOVED BY OTHERS
 - ** SIGN(S) TO BE INSTALLED BY OTHERS
 - *** SIGN(S) TO BE RELOCATED BY OTHERS



DEPARTMENT OF TRANSPORTATION
DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS
MONTGOMERY COUNTY, MD

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BY _____

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SN-02

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: DHM III	DATE: MAY, 2024
					DRAWN BY: DHM III	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date _____
APPROVED						
					Chief, Division of Transportation Engineering	Date _____

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
SIGNING AND MARKING PLAN

SCALE: 1"=20' SHEET 066 of 113

5/22/2024 \\lib1527-f01\shared\projects\2026\2312\TOD_CADD\TOD_Sheet\PSN-P002.LESS\NG-eenway.dgn

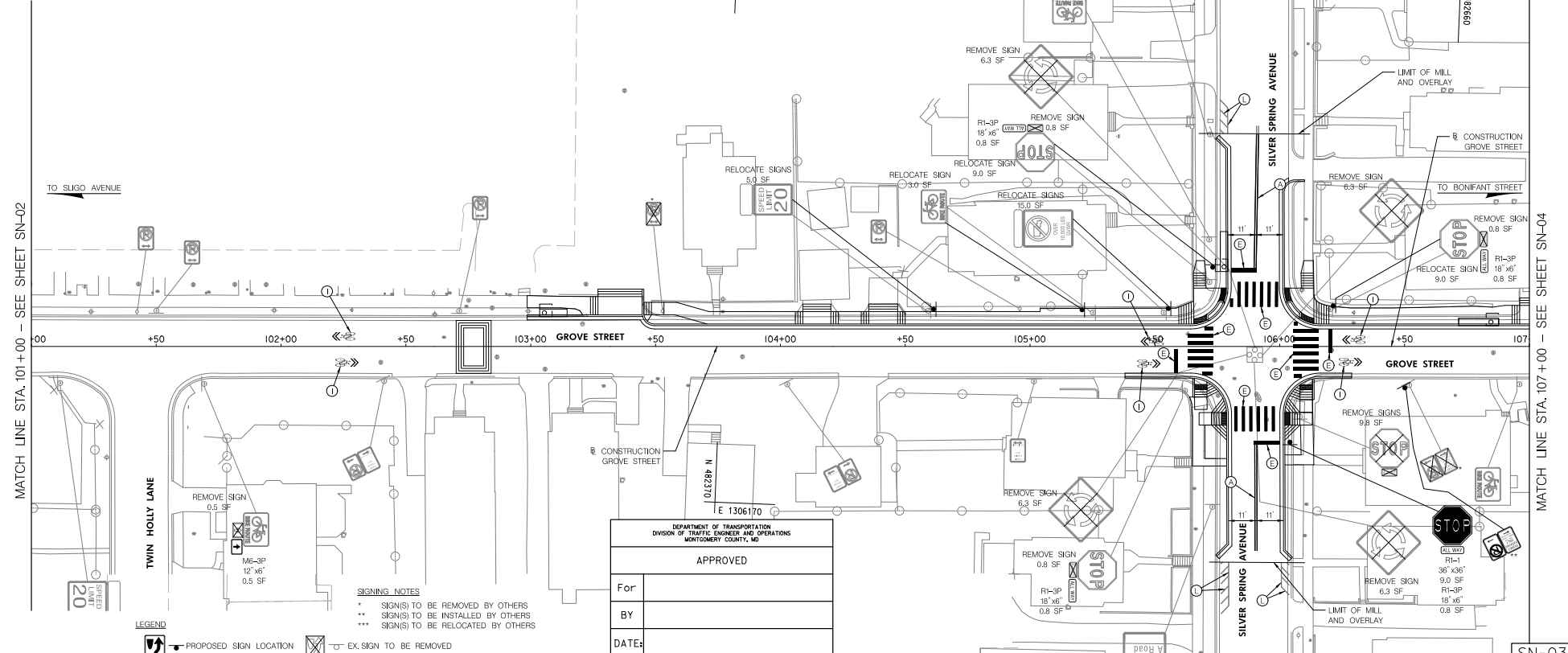
PROFESSIONAL CERTIFICATION:
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Baltimore, MD 21286
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Attachment A: Corridor Engineering Drawings

PAVEMENT MARKING LEGEND

- ⓐ INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (DOUBLE)
- ⓑ INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
- ⓒ INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
- ⓓ INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (3-3-3 SKIP)
- ⓔ INSTALL 16 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING
- ⓕ INSTALL 24 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING
- ⓖ INSTALL WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
- ⓗ INSTALL BIKE SYMBOL WITH AN ARROW
- ⓓ INSTALL SHARROW
- ⓞ INSTALL GREEN PAVEMENT MARKING; PRE-FORMED THERMOPLASTIC (HIGH TRAFFIC VOLUME AREAS)
- ⓟ INSTALL GREEN PAVEMENT MARKING; EPOXY (LOW TRAFFIC VOLUME AREAS)
- ⓠ REMOVE PAVEMENT MARKING



MATCH LINE STA. 101+00 - SEE SHEET SN-02

MATCH LINE STA. 107+00 - SEE SHEET SN-04

5/22/2024 \\lbf527-f01\shared\projects\20262312\T00_CADD\T00_Sheet\PSN-P003.ESS\NGreenway.dgn

LEGEND

- ⓐ PROPOSED SIGN LOCATION
- ⓑ EX. SIGN TO BE REMOVED
- ⓓ EXISTING SIGN LOCATION

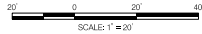
SIGNING NOTES

- * SIGN(S) TO BE REMOVED BY OTHERS
- ** SIGN(S) TO BE INSTALLED BY OTHERS
- *** SIGN(S) TO BE RELOCATED BY OTHERS

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRAFFIC ENGINEER AND OPERATIONS
MONTGOMERY COUNTY, MD

APPROVED

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BY	
DATE	



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					CHECKED BY: SJZ	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
SIGNING AND MARKING PLAN

SCALE: 1"=20' SHEET_067_ of _113

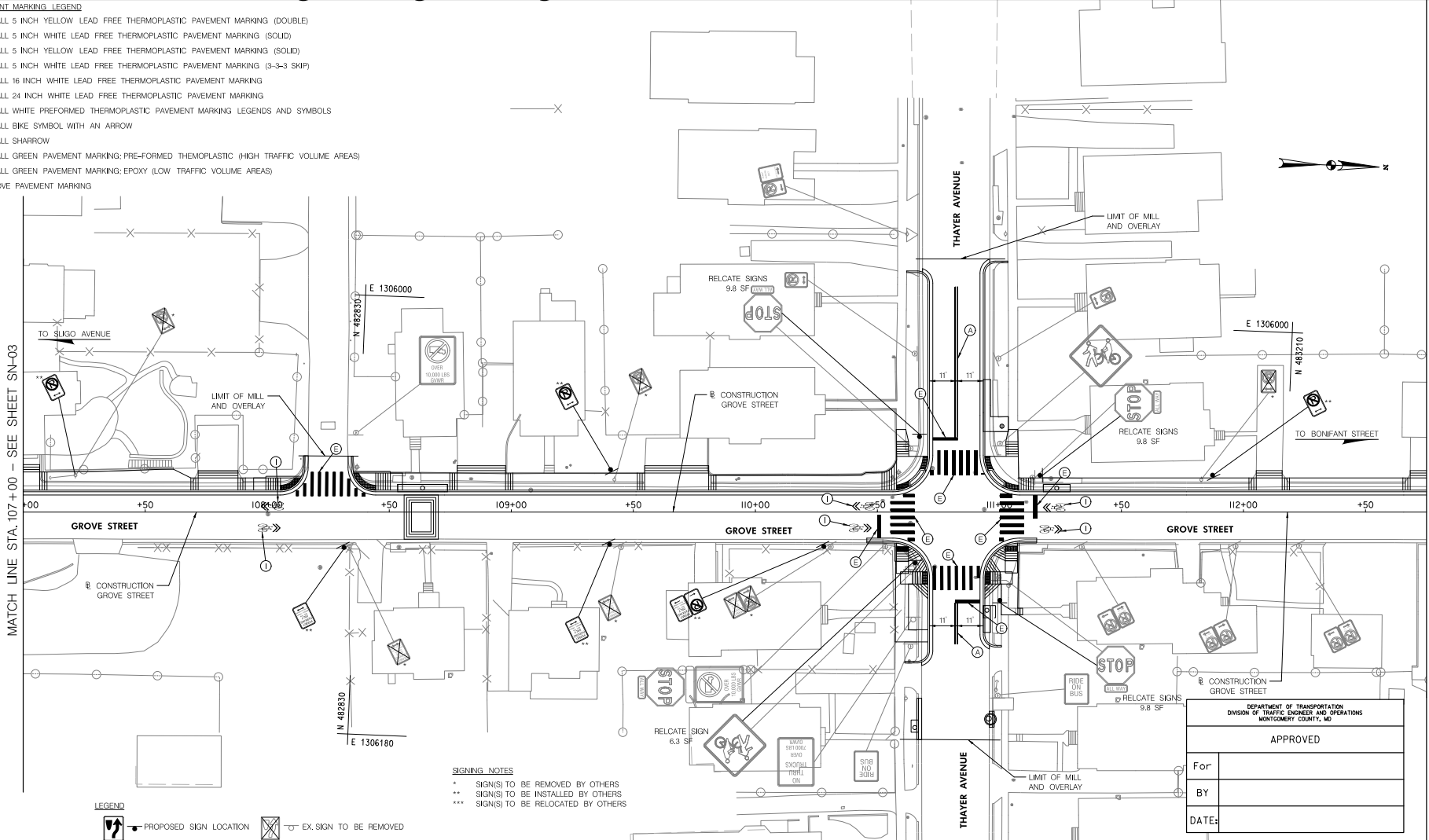
810 Clinesdale Court, Suite 200
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LICENSE NO. _____ EXPIRATION DATE: _____

Attachment A: Corridor Engineering Drawings

PAVEMENT MARKING LEGEND

- ① INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (DOUBLE)
- ② INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
- ③ INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
- ④ INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (3-3-3 SKIP)
- ⑤ INSTALL 16 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING
- ⑥ INSTALL 24 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING
- ⑦ INSTALL WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
- ⑧ INSTALL BIKE SYMBOL WITH AN ARROW
- ⑨ INSTALL SHARROW
- ⑩ INSTALL GREEN PAVEMENT MARKING; PRE-FORMED THERMOPLASTIC (HIGH TRAFFIC VOLUME AREAS)
- ⑪ INSTALL GREEN PAVEMENT MARKING; EPOXY (LOW TRAFFIC VOLUME AREAS)
- ⑫ REMOVE PAVEMENT MARKING

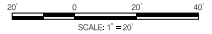


SIGNING NOTES

- * SIGN(S) TO BE REMOVED BY OTHERS
- ** SIGN(S) TO BE INSTALLED BY OTHERS
- *** SIGN(S) TO BE RELICATED BY OTHERS

LEGEND

- PROPOSED SIGN LOCATION
- EX. SIGN TO BE REMOVED
- EXISTING SIGN LOCATION



DEPARTMENT OF TRANSPORTATION DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS MONTGOMERY COUNTY, MD	
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NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: DHM III	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
					APPROVED	
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
SIGNING AND MARKING PLAN

SCALE: 1"=20'

SHEET 068 of 113

5/22/2024 \\lbf527-f01\shared\projects\20262312\TOD_CADD\TOD_Sheet\PSN-P004.ESS\NGreenway.dgn

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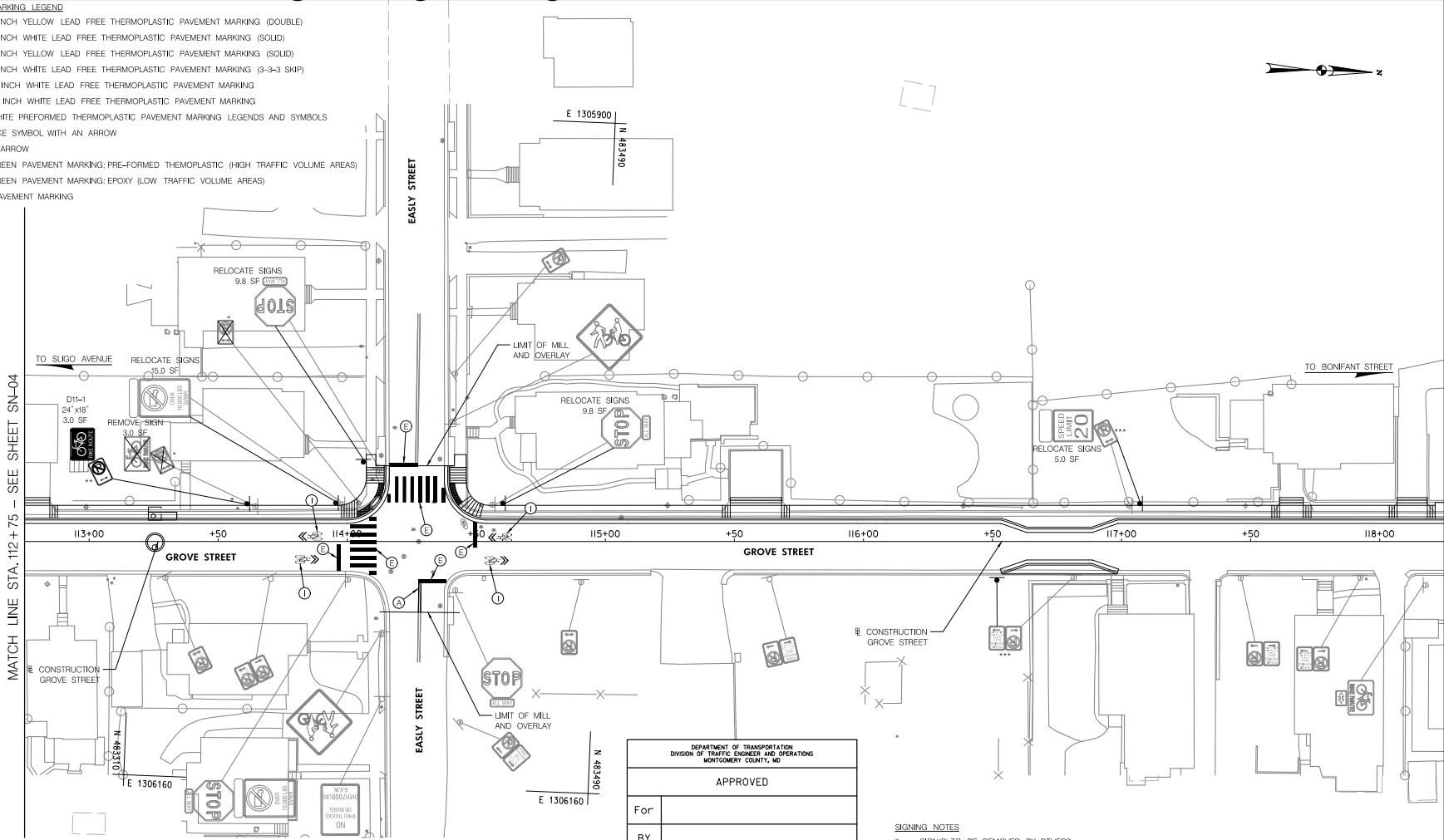


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Attachment A: Corridor Engineering Drawings

PAVEMENT MARKING LEGEND

- Ⓐ INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (DOUBLE)
- Ⓑ INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
- Ⓒ INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
- Ⓓ INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (3-3-3 SKIP)
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- Ⓘ INSTALL SHARROW
- Ⓚ INSTALL GREEN PAVEMENT MARKING; PRE-FORMED THERMOPLASTIC (HIGH TRAFFIC VOLUME AREAS)
- Ⓛ INSTALL GREEN PAVEMENT MARKING; EPOXY (LOW TRAFFIC VOLUME AREAS)
- Ⓜ REMOVE PAVEMENT MARKING

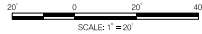


DEPARTMENT OF TRANSPORTATION
DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS
MONTGOMERY COUNTY, MD

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BY	
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- SIGNING NOTES**
- * SIGN(S) TO BE REMOVED BY OTHERS
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 - *** SIGN(S) TO BE RELOCATED BY OTHERS



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APPROVED						
Chief, Division of Transportation Engineering					Date	

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
SIGNING AND MARKING PLAN

SCALE: 1"=20'

SHEET 069 of 113

5/22/2024 \\lbf527-f01\shared\projects\20262312\TOD_CADD\TOD_Sheet\PSN-P005.ESS\NGreenway.dgn

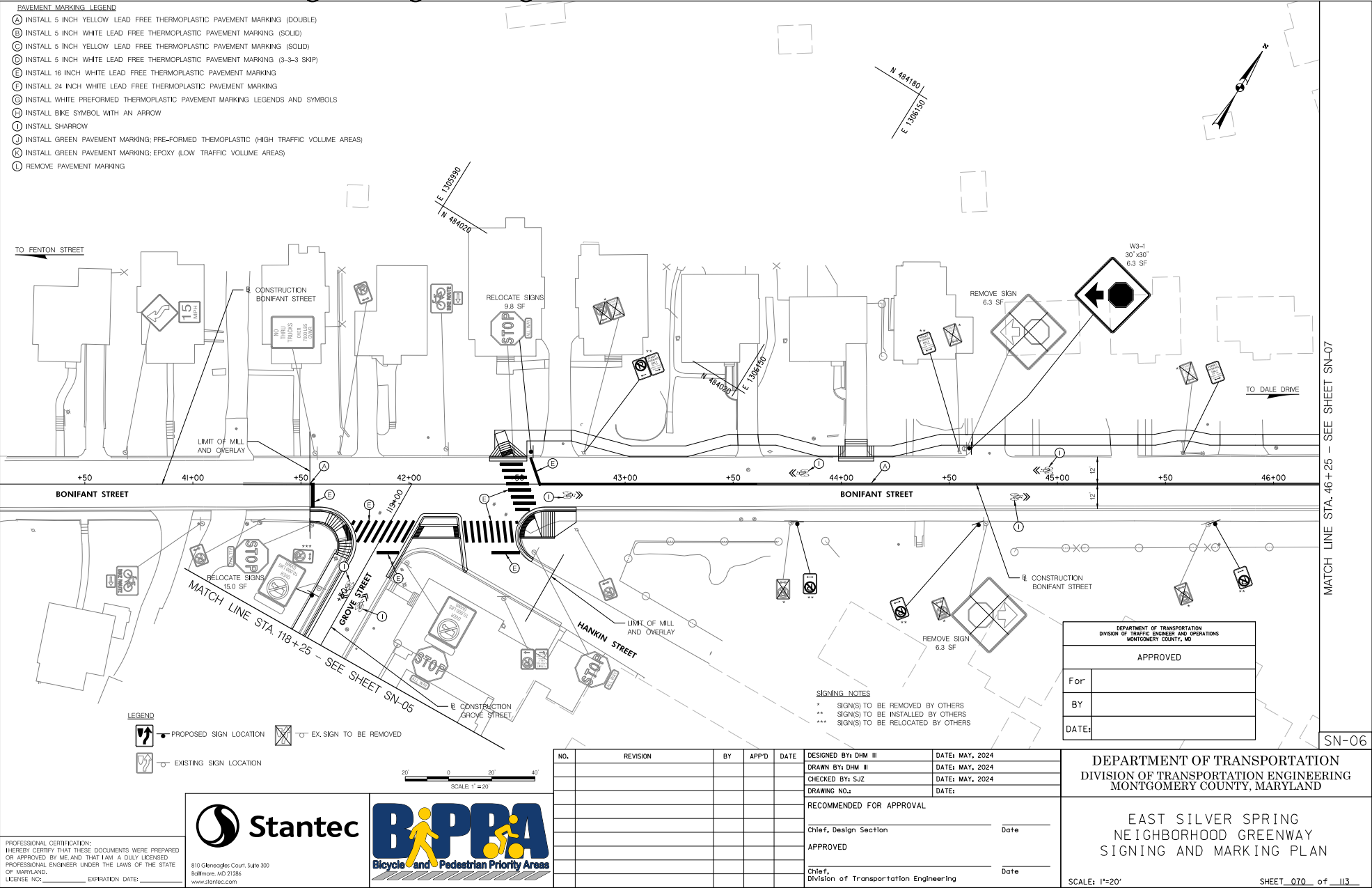
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MATCH LINE STA. 118+25 - SEE SHEET SN-06

SN-05

Attachment A: Corridor Engineering Drawings



5/22/2024 \\lbf527-f01\shared\projects\2026\2312\T00_CADD\T00_Sheet\PSN-P06_LESSINGGreenway.dgn

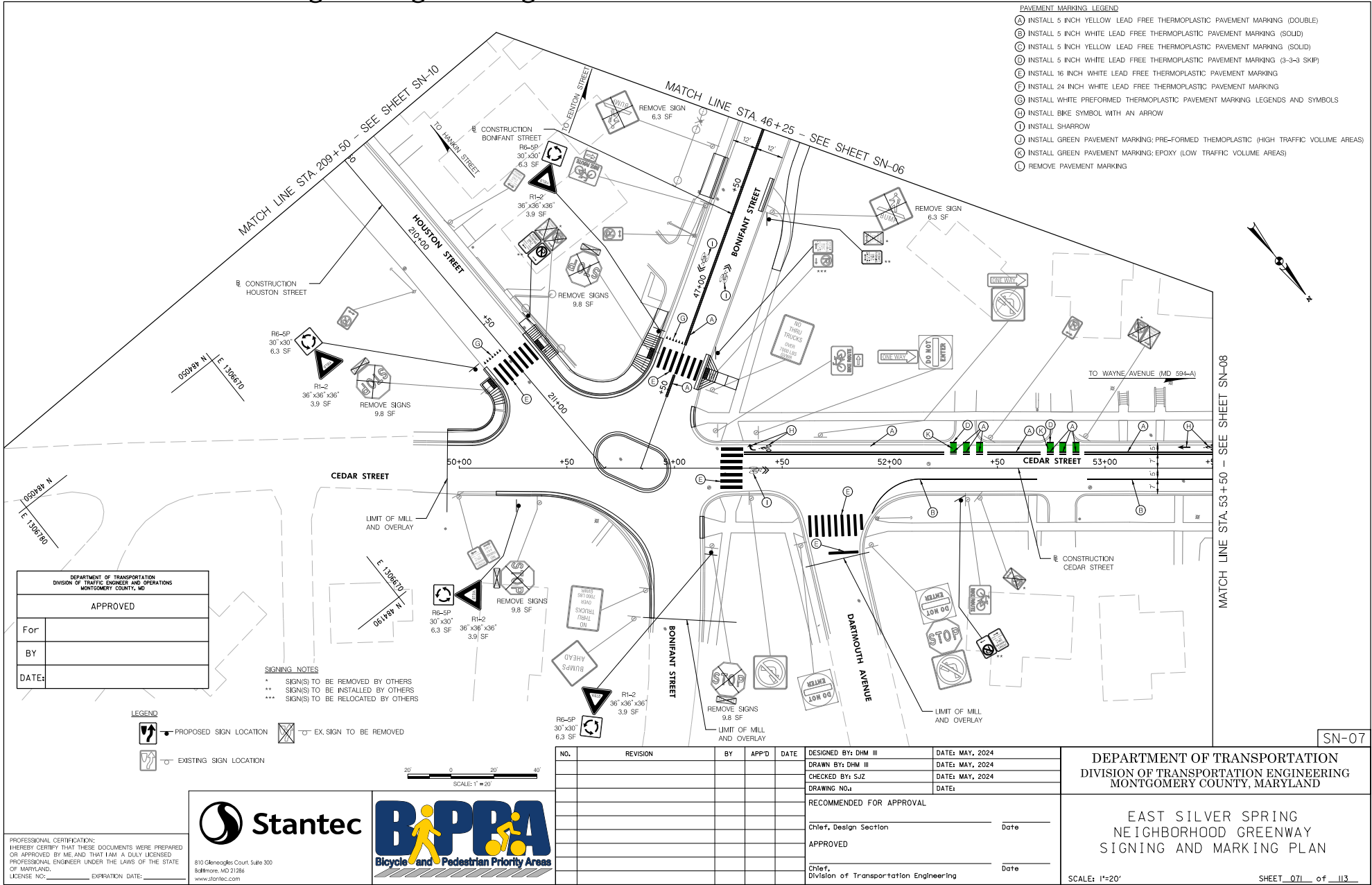
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MATCH LINE STA. 46 + 25 - SEE SHEET SN-07

SN-06

Attachment A: Corridor Engineering Drawings



- PAVEMENT MARKING LEGEND**
- (A) INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (DOUBLE)
 - (B) INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
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 - (J) INSTALL GREEN PAVEMENT MARKING; PRE-FORMED THERMOPLASTIC (HIGH TRAFFIC VOLUME AREAS)
 - (K) INSTALL GREEN PAVEMENT MARKING; EPOXY (LOW TRAFFIC VOLUME AREAS)
 - (L) REMOVE PAVEMENT MARKING

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRAFFIC ENGINEERING AND OPERATIONS
MONTGOMERY COUNTY, MD

APPROVED

For _____

BY _____

DATE: _____

SIGNING NOTES

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- *** SIGN(S) TO BE INSTALLED BY OTHERS
- *** SIGN(S) TO BE RELOCATED BY OTHERS

LEGEND

- PROPOSED SIGN LOCATION
- EX. SIGN TO BE REMOVED
- EXISTING SIGN LOCATION

SCALE: 1" = 20'

NO.	REVISION	BY	APPD	DATE	DESIGNED BY: DHM III	DATE: MAY, 2024
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					CHECKED BY: S.JZ	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL						
Chief, Design Section					Date	
APPROVED						
Chief, Division of Transportation Engineering					Date	

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
SIGNING AND MARKING PLAN

SCALE: 1"=20' SHEET 071 of 113

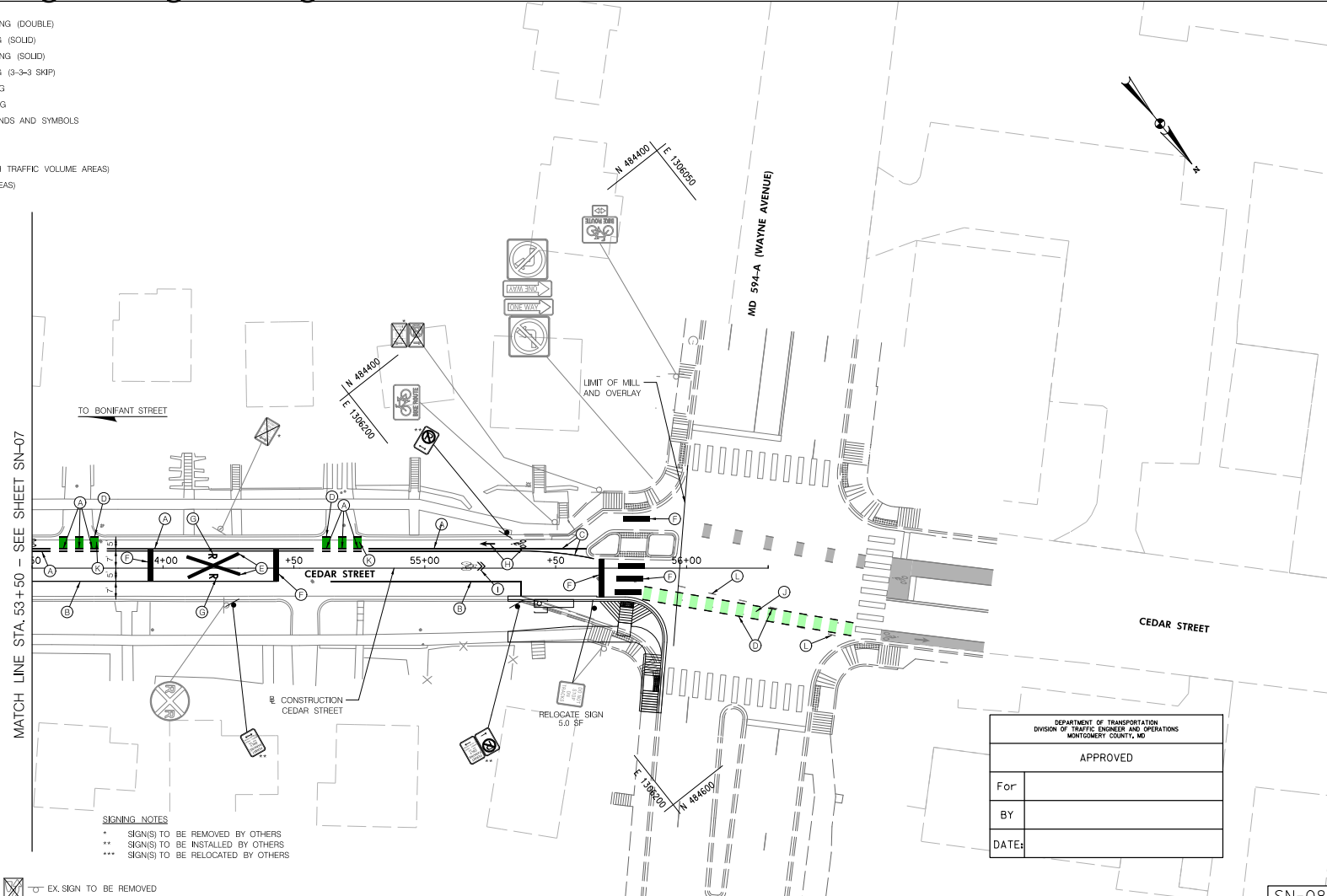
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Baltimore, MD 21286
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Attachment A: Corridor Engineering Drawings

PAVEMENT MARKING LEGEND

- (A) INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (DOUBLE)
- (B) INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
- (C) INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
- (D) INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (3-3-3 SKIP)
- (E) INSTALL 16 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING
- (F) INSTALL 24 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING
- (G) INSTALL WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS
- (H) INSTALL BIKE SYMBOL WITH AN ARROW
- (I) INSTALL SHARROW
- (J) INSTALL GREEN PAVEMENT MARKING-PRE-FORMED THERMOPLASTIC (HIGH TRAFFIC VOLUME AREAS)
- (K) INSTALL GREEN PAVEMENT MARKING-EPOXY (LOW TRAFFIC VOLUME AREAS)
- (L) REMOVE PAVEMENT MARKING



MATCH LINE STA. 53+50 - SEE SHEET SN-07

TO BONIFANT STREET

LIMIT OF MILL AND OVERLAY

CONSTRUCTION CEDAR STREET

RELOCATE SIGN 5.0 SF

- ### SIGNING NOTES
- * SIGN(S) TO BE REMOVED BY OTHERS
 - ** SIGN(S) TO BE INSTALLED BY OTHERS
 - *** SIGN(S) TO BE RELOCATED BY OTHERS

LEGEND

- PROPOSED SIGN LOCATION
- EX. SIGN TO BE REMOVED
- EXISTING SIGN LOCATION



DEPARTMENT OF TRANSPORTATION DIVISION OF TRAFFIC ENGINEER AND OPERATIONS MONTGOMERY COUNTY, MD	
APPROVED	
For	
BY	
DATE:	

SN-08

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: DHM III	DATE: MAY, 2024
					DRAWN BY: DHM III	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
Chief, Design Section					Date	
APPROVED						
Chief, Division of Transportation Engineering					Date	

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
SIGNING AND MARKING PLAN

SCALE: 1"=20' SHEET 072 of 113

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BPPA
Bicycle and Pedestrian Priority Areas

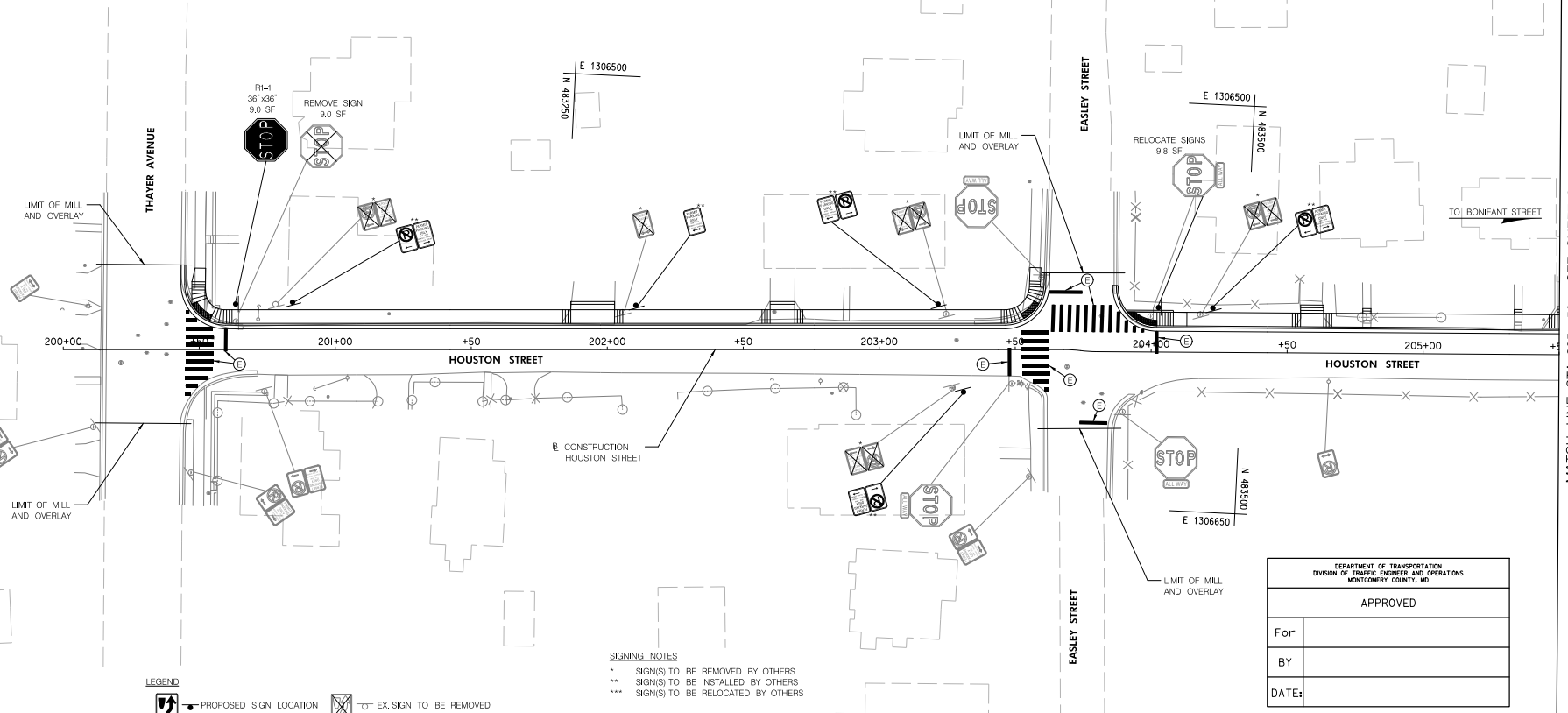
PROFESSIONAL CERTIFICATION:
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED
OR APPROVED BY ME AND THAT I AM A DULY LICENSED
PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE
OF MARYLAND.
LICENSE NO.: _____ EXPIRATION DATE: _____

5/22/2024 \\lbf527-f01\shared\projects\20262312\TOD_CADD\TOD_Sheet\PSN-P008_LESSING-greenway.dgn

Attachment A: Corridor Engineering Drawings

PAVEMENT MARKING LEGEND

- ⓐ INSTALL 5 INCH YELLOW LEAD FREE THERMOPLASTIC PAVEMENT MARKING (DOUBLE)
- ⓑ INSTALL 5 INCH WHITE LEAD FREE THERMOPLASTIC PAVEMENT MARKING (SOLID)
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- ⓓ INSTALL SHARROW
- ⓙ INSTALL GREEN PAVEMENT MARKING; PRE-FORMED THERMOPLASTIC (HIGH TRAFFIC VOLUME AREAS)
- ⓚ INSTALL GREEN PAVEMENT MARKING; EPOXY (LOW TRAFFIC VOLUME AREAS)
- ⓛ REMOVE PAVEMENT MARKING



SIGNING NOTES

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- ** SIGN(S) TO BE INSTALLED BY OTHERS
- *** SIGN(S) TO BE RELOCATED BY OTHERS

LEGEND

- PROPOSED SIGN LOCATION
- EX-SIGN TO BE REMOVED
- EXISTING SIGN LOCATION



DEPARTMENT OF TRANSPORTATION DIVISION OF TRAFFIC ENGINEER AND OPERATIONS MONTGOMERY COUNTY, MD	
APPROVED	
For	
BY	
DATE:	

SN-09

MATCH LINE STA. 205+50 - SEE SHEET SN-10

NO.	REVISION	BY	APP'D	DATE

DESIGNED BY: DHM III	DATE: MAY, 2024
DRAWN BY: DHM III	DATE: MAY, 2024
CHECKED BY: SJZ	DATE: MAY, 2024
DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL	
Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
SIGNING AND MARKING PLAN

SCALE: 1"=20'

SHEET 073 of 113

5/22/2024 \\lbf527-f01\shared\projects\20262312\T00_CADD\T00_Sheet\PSN-P009_LESS\NGreenway.dgn

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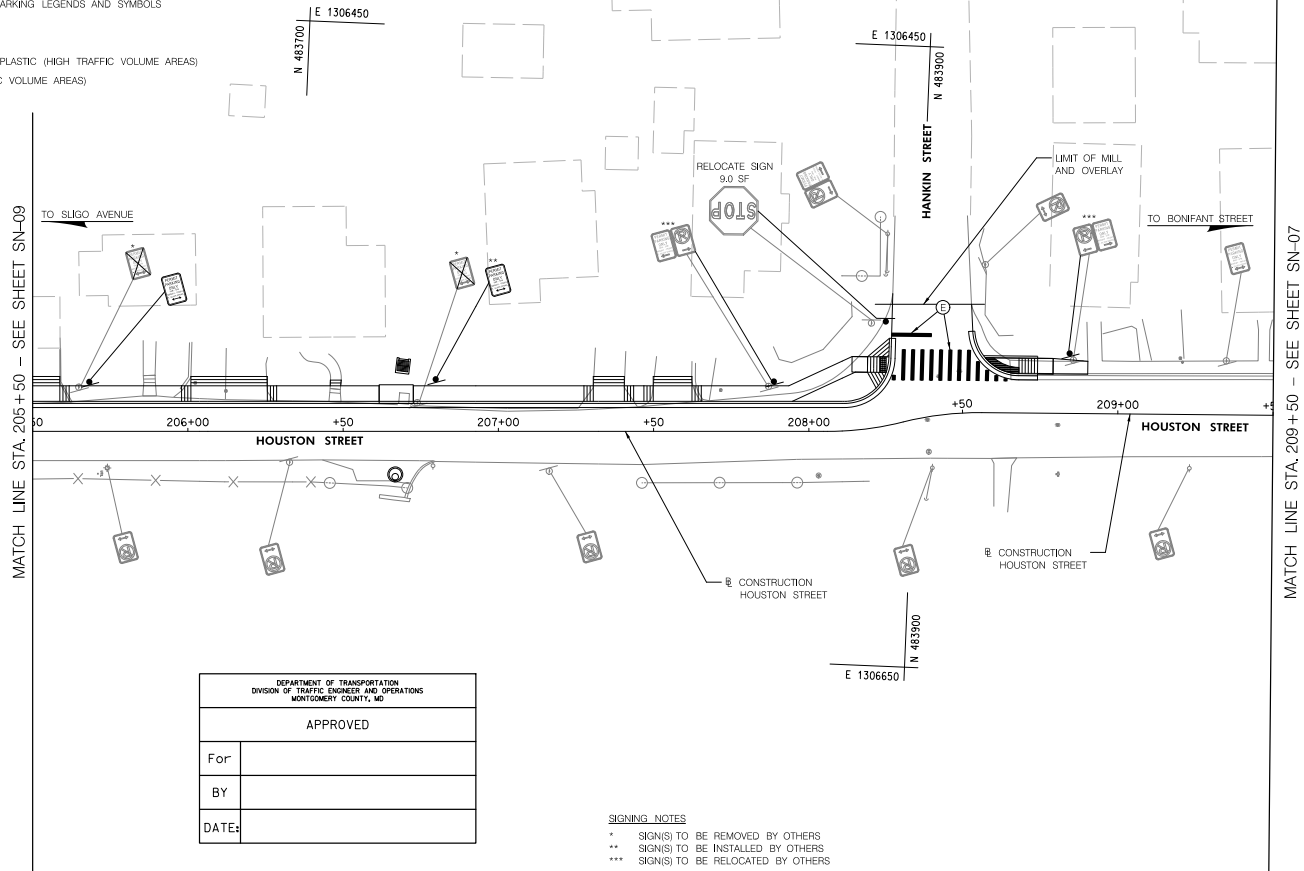


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Attachment A: Corridor Engineering Drawings

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- Ⓞ INSTALL GREEN PAVEMENT MARKING: EPOXY (LOW TRAFFIC VOLUME AREAS)
- Ⓟ REMOVE PAVEMENT MARKING



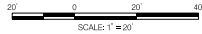
DEPARTMENT OF TRANSPORTATION DIVISION OF TRAFFIC ENGINEER AND OPERATIONS MONTGOMERY COUNTY, MD	
APPROVED	
For	
BY	
DATE:	

SIGNING NOTES

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- *** SIGN(S) TO BE RELOCATED BY OTHERS

LEGEND

- PROPOSED SIGN LOCATION
- EXISTING SIGN LOCATION
- EX. SIGN TO BE REMOVED



NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: DHM III	DATE: MAY, 2024
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					CHECKED BY: SJZ	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
Chief, Design Section						Date
APPROVED						
Chief, Division of Transportation Engineering						Date

SN-10

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
SIGNING AND MARKING PLAN

SCALE: 1"=20' SHEET 074 of 113

5/22/2024 \\l51627-f01\shared\projects\2026\2312\T00_CADD\T00_Sheet\ASN-F010.ESSNGreenway.dgn

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Attachment A: Corridor Engineering Drawings

SIGN NO.	REMARKS	CODE NUMBERS *																		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
SN-01	TBD	TBD																		
SN-02																				
SN-03																				
SN-04																				
SN-05																				
SN-06																				
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SN-08																				
SN-09																				
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	TOTAL																			

• CODE NUMBER DESCRIPTION & UNIT		
CODE NUMBERS	DESCRIPTION	UNIT
1	TBD	TBD
2		
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16		

DEPARTMENT OF TRANSPORTATION DIVISION OF TRAFFIC ENGINEER AND OPERATIONS MONTGOMERY COUNTY, MD	
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For	
BY	
DATE:	

SN-II

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY: DHM III	DATE: MAY, 2024
					DRAWN BY: DHM III	DATE: MAY, 2024
					CHECKED BY: SJZ	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL						
					Chief, Design Section	Date
APPROVED						
					Chief, Division of Transportation Engineering	Date

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
SIGNING AND MARKING DETAILS

SCALE: NONE

SHEET 075 of 113

5/22/2024 \\l161527-f01\shared\projects\202623122\T00_CADD\T00_Sheet\ASN-F01_LESSN\Greenway.dgn

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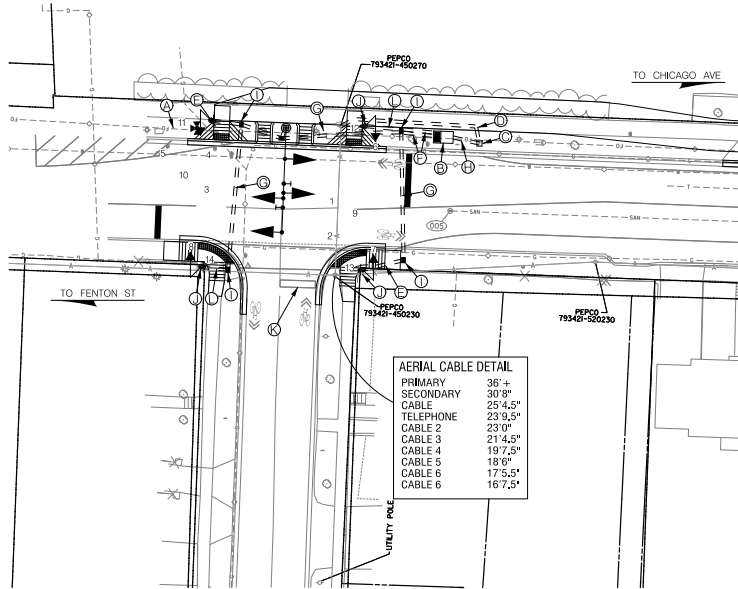
Attachment A: Corridor Engineering Drawings



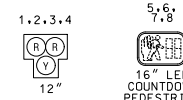
SLIGO AVENUE IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

CONSTRUCTION DETAILS

- A. INSTALL CONCRETE FOUNDATION WITH A 21 FT. MONTGOMERY COUNTY SPECIAL MAST ARM POLE, 18 FOOT MAST ARM WITH SIGNAL HEADS, SIGNS, PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 3 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- B. INSTALL A NEMA SIZE "6" BASE MOUNTED CONTROLLER AND CABINET WITH ALL NECESSARY EQUIPMENT. AN UNINTERRUPTED POWER SUPPLY (UPS) WITH BATTERY BACK UP SHALL BE PIGGY BACKED TO THE RIGHT SIDE OF THE CABINET (NOTE: TWO-4 IN. PVC, ONE-3 IN. AND TWO-2 IN. PVC SCHEDULE 80 CONDUIT BENDS).
- C. INSTALL EMBEDDED METERED SERVICE PEDESTAL (200 AMPS). (NOTE: INSTALL 1-2 IN. AND 1-4 IN. 90 33/64 CONDUIT BENDS).
- D. INSTALL 4 IN. PVC SCHEDULE 40 ELECTRICAL CONDUIT FOR ELECTRICAL SERVICE - BORED. STUB OUT CONDUIT BEND AT BASE OF UTILITY POLE.
- E. INSTALL 3 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- F. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- G. INSTALL 4 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - SLOTTED.
- H. INSTALL 2 IN. PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED.
- I. INSTALL HANDHOLE.
- J. INSTALL 10' PEDESTAL POLE (MD 818.16-01), WITH BREAKAWAY COUPLINGS MODIFIED BASE (MD 801.01-01), COUNTDOWN PEDESTRIAN SIGNALS, AUDIBLE TACTILE PUSHBUTTON AND SIGN. (NOTE: ONE 1 IN. PVC SCHEDULE 80 CONDUIT BEND).
- K. SIGNAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING STOP BARS.

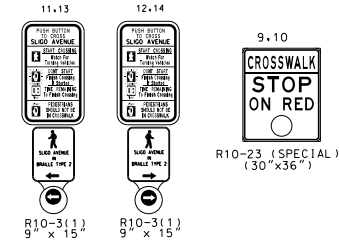


PROPOSED BLACK-FACED LED SIGNALS

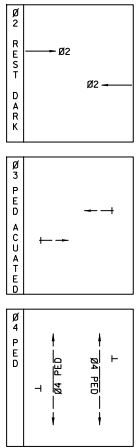


NOTE: TRAFFIC SIGNAL HEADS SHALL HAVE BACK PLATES

PROPOSED SIGNS

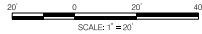


PHASING



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



NO.	REVISION	BY	APP'D	DATE

DESIGNED BY: JM	DATE: MAY, 2024
DRAWN BY: JM	DATE: MAY, 2024
CHECKED BY: RJM	DATE: MAY, 2024
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RECOMMENDED FOR APPROVAL	
Chief, Design Section	Date
APPROVED	
Chief, Division of Transportation Engineering	Date

SG-01

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
TRAFFIC SIGNAL PLAN
SLIGO AVENUE AT WOODBURY DRIVE

SCALE: 1"=20' SHEET 076 of 113

5/22/2024 \\US1527-F01\sharad.projects\2026\2312\T00_CADD\T00_Sheet\p5c-f001.ESSNGreenway.dgn

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Attachment A: Corridor Engineering Drawings

<p style="text-align: center;">PROJECT DESCRIPTION</p> <p>I. GENERAL</p> <p>THIS PROJECT INVOLVES THE INSTALLATION OF A PEDESTRIAN HYBRID BEACON AT THE INTERSECTION OF SLIGO AVENUE AND WOODBURY DRIVE IN MONTGOMERY COUNTY. SLIGO AVENUE IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.</p> <p>II. INTERSECTION OPERATION</p> <ol style="list-style-type: none"> THE INTERSECTION SHALL OPERATE AS A PEDESTRIAN HYBRID BEACON. DURING "NORMAL OPERATION" THE SIGNAL SHALL BE DARK. WHEN THE PUSHBUTTON IS ACTUATED, THE FENTON STREET APPROACHES SHALL GO TO A FLASHING YELLOW FOLLOWED BY A SOLID YELLOW THEN ALL RED MODE. THE RED MODE SHALL REMAIN OPERATIONAL FOR THE DURATION OF THE PEDESTRIAN PHASE AND THEN RETURN TO DARK MODE. AN EXCLUSIVE COUNTDOWN PEDESTRIAN PHASE WITH AUDIBLE PUSHBUTTON ACTUATION SHALL BE PROVIDED ACROSS THE SOUTH LEG OF FENTON STREET. GIST AVENUE SHALL BE CONTROLLED BY A STOP SIGN. A FULL-TRAFFIC ACTUATED, EIGHT PHASE CONTROLLER WITH ALL NECESSARY EQUIPMENT HOUSED IN A NEMA SIZE "6" BASE-MOUNTED CABINET SHALL BE INSTALLED AT THIS INTERSECTION. A UPS BATTERY BACK UP SYSTEM SHALL BE ATTACHED TO THE RIGHT SIDE OF THE CABINET. MONTGOMERY COUNTY SIGNAL SHOP SHALL INSTALL APS CONTROL UNIT INTO CONTROLLER CABINET. THE CONTRACTOR SHALL DELIVER THE APS PUSHBUTTONS TO THE MONTGOMERY COUNTY SIGNAL SHOP FOR TESTING AND PROGRAMMING AT LEAST TWO WEEKS PRIOR TO THE BEGINNING OF WORK. <p>III. SPECIAL NOTES</p> <ol style="list-style-type: none"> THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL SIGNAL CABLES TO THE APPROPRIATE TERMINALS AND SHALL PROPERLY LABEL EACH CABLE. 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. APS WILL FUNCTION AS FOLLOWS: <ul style="list-style-type: none"> TO CROSS SLIGO AVENUE <ol style="list-style-type: none"> WHEN PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE "WAIT TO CROSS SLIGO AT WOODBURY." WHEN THE WALK PHASE BEGINS, THE PUSHBUTTON UNIT WILL PROVIDE A RAPID TICK WHICH WILL LAST FOR THE DURATION OF THE WALK PHASE. TO CROSS WOODBURY DRIVE <ol style="list-style-type: none"> WOODBURY DRIVE WILL REMAIN AN UNCONTROLLED CROSSING. 	<p style="text-align: center;">EQUIPMENT LIST</p> <p>A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>ITEM NO./CAT CODE</th> <th>QUANTITY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>-----</td><td>-----</td><td>-----</td></tr> <tr><td>-----</td><td>-----</td><td>-----</td></tr> <tr><td>-----</td><td>-----</td><td>-----</td></tr> </tbody> </table> <p>B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR:</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>ITEM NO./CAT CODE</th> <th>QUANTITY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>-----</td><td>-----</td><td>-----</td></tr> <tr><td>-----</td><td>-----</td><td>-----</td></tr> <tr><td>-----</td><td>-----</td><td>-----</td></tr> </tbody> </table> <p>C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA:</p> <p>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.</p>	ITEM NO./CAT CODE	QUANTITY	DESCRIPTION	-----	-----	-----	-----	-----	-----	-----	-----	-----	ITEM NO./CAT CODE	QUANTITY	DESCRIPTION	-----	-----	-----	-----	-----	-----	-----	-----	-----	<p style="text-align: center;">SEQUENCE OF OPERATION SHEET</p> <p style="text-align: center;">TRAFFIC OPERATIONS SECTION DIVISION OF TRAFFIC ENGINEERING MONTGOMERY COUNTY, MARYLAND</p> <p>INTERSECTION: <u>SLIGO AVENUE AND WOODBURY DRIVE</u> NO. _____ PHASING _____</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SLIGO AVENUE RUNS IN AN EAST-WEST DIRECTION</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">SIGNAL HEAD INDICATIONS</th> </tr> <tr> <th>SIGNAL NO.</th> <th>1-4</th> <th>5-8</th> </tr> </thead> <tbody> <tr> <td>TOTAL:</td> <td style="text-align: center;">4</td> <td style="text-align: center;">4</td> </tr> </tbody> </table> <p>LEGEND</p> <p><input type="checkbox"/> OPTICALLY LIMITED</p> <p>R RED G GREEN Y YELLOW F FLASHING</p> <p>← ARROW</p> </div> <div style="width: 45%;"> <p>NOTES:</p> <p>HAWK SIGNAL. RESTS DARK IN PHASE 2 R/R = SOLID RED FL/Y = FLASHING YELLOW</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">SIGNAL NO.</th> <th colspan="7">SEQUENCE OF OPERATION</th> <th rowspan="2">F R E Q U E N C Y</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> </tr> </thead> <tbody> <tr><td>1</td><td>DARK</td><td>QUICK FL/Y</td><td>Y</td><td>R/R</td><td>R/R</td><td>R/R</td><td>R/R</td><td>FL/Y</td></tr> <tr><td>2</td><td>DARK</td><td>QUICK FL/Y</td><td>Y</td><td>R/R</td><td>R/R</td><td>R/R</td><td>R/R</td><td>FL/Y</td></tr> <tr><td>3</td><td>DARK</td><td>QUICK FL/Y</td><td>Y</td><td>R/R</td><td>R/R</td><td>R/R</td><td>R/R</td><td>FL/Y</td></tr> <tr><td>4</td><td>DARK</td><td>QUICK FL/Y</td><td>Y</td><td>R/R</td><td>R/R</td><td>R/R</td><td>R/R</td><td>FL/Y</td></tr> <tr><td>5</td><td>DARK</td><td>QUICK FL/Y</td><td>Y</td><td>R/R</td><td>R/R</td><td>R/R</td><td>R/R</td><td>FL/Y</td></tr> <tr><td>6</td><td>DARK</td><td>QUICK FL/Y</td><td>Y</td><td>R/R</td><td>R/R</td><td>R/R</td><td>R/R</td><td>FL/Y</td></tr> <tr><td>7</td><td>DW</td><td>DW</td><td>DW</td><td>DW</td><td>WK</td><td>FL/DW</td><td>DW</td><td>DARK</td></tr> <tr><td>8</td><td>DW</td><td>DW</td><td>DW</td><td>DW</td><td>WK</td><td>FL/DW</td><td>DW</td><td>DARK</td></tr> </tbody> </table> <p>PHASE 1: R/R, PEDESTRIAN ACTUATED</p> </div> </div> <p>SUBMITTED: _____ CHECKED: _____ APPROVED: _____ IN SERVICE BY: _____ DATE: _____ TIME: _____</p> <p style="text-align: center;">WIRING DIAGRAM NOT TO SCALE</p> <p style="text-align: right;">KEY</p> <ul style="list-style-type: none"> A) 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) B) 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) C) 3 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) D) 2 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG) E) 2 CONDUCTOR ELECTRICAL CABLE (NO. 12 AWG) TRAY CABLE F) VIDEO DETECTION CABLE G) 1 CONDUCTOR (NO. 6 AWG) STRANDED COPPER GROUND WIRE H) 50 PAIR INTERCONNECT CABLE I) POWER SERVICE UNDERGROUND 3 WIRE 1 CONDUCTOR (NO. 4 AWG) J) GROUND ROD 	SIGNAL HEAD INDICATIONS			SIGNAL NO.	1-4	5-8	TOTAL:	4	4	SIGNAL NO.	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<p style="text-align: center;">PROJECT CONTACT LIST</p> <table border="0" style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> <p>ODTS CONTACTS:</p> <p>MS. REBECCA LICHTENSTEIN, P.E. CHIEF TRAFFIC OPERATION DIVISION PHONE: (410)-787-7630</p> <p>MR. ANTOINE YATES ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410)-787-7625</p> <p>MR. MIKE BASSO CHIEF, SIGNAL OPERATIONS PHONE: (410)-787-7652</p> <p>MR. MICHAEL BOYLE CHIEF, WAREHOUSE SECTION PHONE: (410)-787-7668</p> <p>MR. DAVID "TODD" JONES SIGN SHOP MANAGER 410-787-7676</p> <p>PEPCO MR. PAUL WILSON PHONE: 202-833-7500</p> </td> <td style="width:50%; vertical-align: top;"> <p style="text-align: center;">DISTRICT 3</p> <p>MR. JOSEPH MOGES ASSISTANT DISTRICT ENGINEER - TRAFFIC 301-513-7498</p> <p>MR. MARK LOEFFLER DISTRICT ENGINEER - UTILITIES 301-513-7350</p> <p>MR. JOHN GOVER ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 301-513-7336</p> <p>MR. GREGORY EDWARDS ASSISTANT DISTRICT ENGINEER - MAINTENANCE 301-513-7304</p> <p style="text-align: center;">MONTGOMERY COUNTY</p> <p>MR. KAMAL HAMID MONTGOMERY COUNTY-TRAFFIC ENGINEERING PHONE NUMBER 240-777-8761</p> </td> </tr> </table>	<p>ODTS CONTACTS:</p> <p>MS. REBECCA LICHTENSTEIN, P.E. CHIEF TRAFFIC OPERATION DIVISION PHONE: (410)-787-7630</p> <p>MR. ANTOINE YATES ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410)-787-7625</p> <p>MR. MIKE BASSO CHIEF, SIGNAL OPERATIONS PHONE: (410)-787-7652</p> <p>MR. MICHAEL BOYLE CHIEF, WAREHOUSE SECTION PHONE: (410)-787-7668</p> <p>MR. DAVID "TODD" JONES SIGN SHOP MANAGER 410-787-7676</p> <p>PEPCO MR. PAUL WILSON PHONE: 202-833-7500</p>	<p style="text-align: center;">DISTRICT 3</p> <p>MR. JOSEPH MOGES ASSISTANT DISTRICT ENGINEER - TRAFFIC 301-513-7498</p> <p>MR. MARK LOEFFLER DISTRICT ENGINEER - UTILITIES 301-513-7350</p> <p>MR. JOHN GOVER ASSISTANT DISTRICT ENGINEER - CONSTRUCTION 301-513-7336</p> <p>MR. GREGORY EDWARDS ASSISTANT DISTRICT ENGINEER - MAINTENANCE 301-513-7304</p> <p style="text-align: center;">MONTGOMERY COUNTY</p> <p>MR. KAMAL HAMID MONTGOMERY COUNTY-TRAFFIC ENGINEERING PHONE NUMBER 240-777-8761</p>	<p style="text-align: center;">MAINTENANCE OF TRAFFIC NOTE</p> <p>MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL:</p> <p>STANDARD NO. 104.03-01 (MULTI-LANE UNDIVIDED SHOULDER WORK) STANDARD NO. 104.04-01 (MULTI-LANE DIVIDED SHOULDER WORK)</p> <p>ADDITIONAL TRAFFIC CONTROL STANDARDS MAY BE USED AS DIRECTED BY THE ENGINEER.</p>																																																																																																																								
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Attachment A: Corridor Engineering Drawings

GENERAL NOTES:

- THE LOCATIONS OF THE UTILITIES SHOWN ON THESE DRAWINGS ARE BASED ON FIELD OBSERVATION AND/OR RECORD DRAWINGS. THE INFORMATION SHOWN IS NOT NECESSARILY COMPLETE AND THE LOCATION OF THE UTILITIES SHOWN IS APPROXIMATE. THE CONTRACTOR WILL VERIFY THE EXISTENCE OF ALL UTILITIES IN ADVANCE OF CONDUCTING CONSTRUCTION OPERATIONS THAT COULD DAMAGE THESE UTILITIES.
- IN THE AREAS WHERE PROPOSED CONSTRUCTION MAY CONFLICT WITH EXISTING UTILITIES, THE CONTRACTOR WILL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO THESE UTILITIES.
- IF AN UNDERGROUND UTILITY IS DAMAGED, THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE DISTRICT AND THE OWNER OF THE UTILITY. ANY DAMAGE SUSTAINED TO UTILITIES ABOVE OR BELOW GROUND WILL BE REPAIRED BY THE CONTRACTOR UNDER THE DIRECTION OF THE UTILITY OWNER AT THE CONTRACTOR'S EXPENSE. UNDER NO CIRCUMSTANCE WILL THE CONTRACTOR BACKFILL AN EXCAVATION AFFECTING SAID UTILITY WITHOUT FIRST RECEIVING PERMISSION FROM THE UTILITY OWNER.
- THE CONTRACTOR WILL NOTIFY THE FOLLOWING PARTIES AT LEAST FORTY EIGHT (48) HOURS, BUT NOT MORE THAN TEN (10) WORKING DAYS IN ADVANCE OF PROCEEDING WITH ANY EXCAVATION WORK:

TYPE OF WORK	NOTIFY AGENCIES
GAS, TELEPHONE, ELECTRICAL, CONDUIT & CABLE TV	MISS UTILITY (800-257-7777)
WATER MAIN & SEWERS	WASHINGTON SUBURBAN SANITARY COMMISSION (301-206-7342)
- SOME STREETLIGHT FOUNDATIONS SHOWN ON THE PLANS WILL BE REPLACED OR REMOVED. ALL EXISTING STREETLIGHT CONDUITS TO BE ABANDONED WILL BE SEALED WITH CONCRETE BEFORE INSTALLING THE NEW FOUNDATION OR BACKFILLING. REMOVE THE CONCRETE FOUNDATION COMPLETELY, SUCH AS ANCHOR BOLTS, CONDUITS, CABLE AND ALL OTHER ASSOCIATED DEVICES.
- WHERE A STREETLIGHT IS REPLACED IN THE SAME LOCATION, THE LIGHT WILL BE RESTORED WITHIN 5 WORKING DAYS. ALL LIGHTS WITHIN THE PROJECT LIMIT ARE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR IN A TIMELY MANNER (WITHIN FORTY-EIGHT HOURS) FROM NTP UNTIL THE PROJECT IS ACCEPTED BY THE MONTGOMERY COUNTY GOVERNMENT.
- THE CONTRACTOR WILL KEEP PROPER RECORD OF ALL TRAFFIC AND PARKING SIGNS THAT WILL BE REMOVED PRIOR TO REMOVING THE STREETLIGHT POLE. THE SIGNS SHALL BE RELOCATED TO THE NEW POLE AT THE SAME HEIGHT AND ORIENTATION. A U-POST SHALL BE INSTALLED TO MOUNT THE REPLACED SIGN IF A PROPOSED NEW POLE HAS A DIFFERENT LOCATION.
- ALL POLE FOUNDATIONS WILL BE INSTALLED 3' FROM FACE OF CURB TO CENTER OF FOUNDATION UNLESS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD CHECK FOR ALL EXISTING LOCATIONS AND MAKE NECESSARY ADJUSTMENTS TO ACCOMMODATE THE NEW WORK AT NO ADDITIONAL COST TO THE MONTGOMERY COUNTY GOVERNMENT.

LEGEND:

- EXISTING WOOD POLE TO REMAIN WITH LUMINAIRE TO BE REMOVED
- EXISTING WOOD POLE TO REMAIN
- EXISTING WASHINGTON GLOBE STREETLIGHT POLE
- PROPOSED PENDANT POLE WITH LUMINAIRE
- PROPOSED LUMINAIRE TO BE INSTALLED
- TRAFFIC SIGNAL LIGHT POLE
- EXISTING ELECTRICAL HAND BOX
- PROPOSED ELECTRICAL HAND BOX
- EXISTING ELECTRICAL MANHOLE
- EXISTING GAS MANHOLE
- EXISTING GAS VALVE
- EXISTING CATCH BASIN
- EXISTING STORM DRAINAGE MANHOLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING WATER MANHOLE
- EXISTING WATER VALVE
- EXISTING WATER METER
- EXISTING FIRE HYDRANT
- EXISTING UNIDENTIFIED MANHOLE
- EXISTING GAS LINE
- EXISTING WATER LINE

ABBREVIATION LIST:

- | | |
|-----|--|
| LED | LIGHT-EMITTING DIODE |
| HPS | HIGH PRESSURE SODIUM VAPOR |
| RXX | EXISTING STREETLIGHT LUMINAIRE TO BE REMOVED |
| LXX | STREETLIGHT LUMINAIRE TO BE INSTALLED |
| WP | WOOD POLE |
| PP | PENDANT POLE |
| HBX | ELECTRICAL HAND BOX |
| ETR | EXISTING TO REMAIN |

5/21/2024 P:\80950-stantec-east silver spring neighborhood greenway\Lighting_Sheets\p1-L001_Legend-ESSNGreenway.dgn

LT-01

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY:SF	DATE: MAY, 2024
					DRAWN BY:SF	DATE: MAY, 2024
					CHECKED BY:AY	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
Chief, Design Section					Date	
APPROVED						
Chief, Division of Transportation Engineering					Date	

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

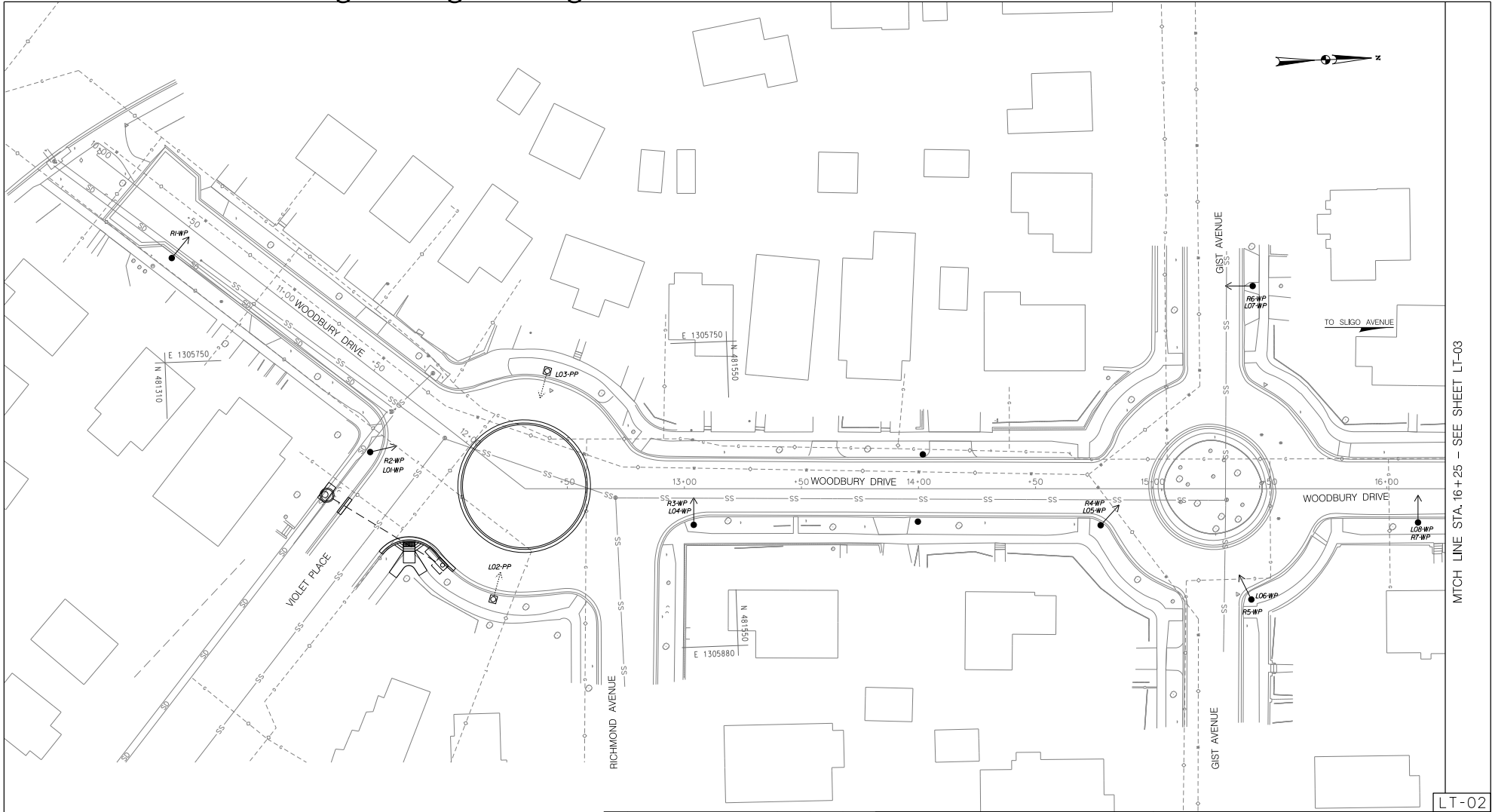
EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT LEGEND AND GENERAL NOTES

SCALE: NTS SHEET 78 of 113



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LICENSE NO. _____ EXPIRATION DATE: _____

Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 16+25 - SEE SHEET LT-03

LT-02

5/21/2024 P:\80950-stantec-east silver spring neighborhood greenway\Lighting\Sheets\LT-F001-ESSN-Greenway.dgn

Precision Systems, Inc.
Engineers, Planners and Architects
WASHINGTON, D.C. (202) 686-6225 www.dcpai.com

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Stantec
810 Clinesdale Court, Suite 300
Baltimore, MD 21286
www.stantec.com

BPPA
Bicycle and Pedestrian Priority Areas



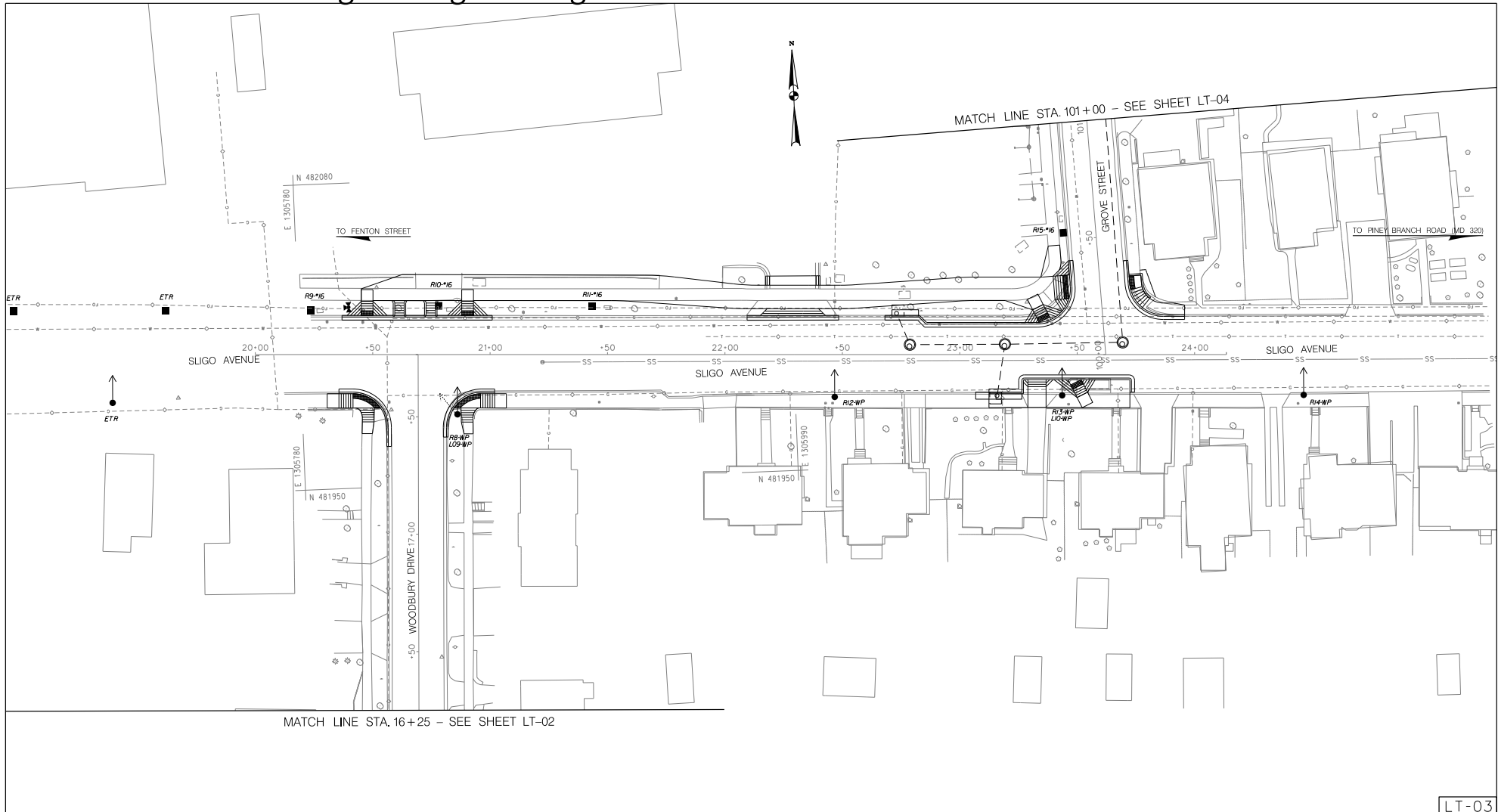
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Chief, Design Section					Date	
APPROVED						
Chief, Division of Transportation Engineering					Date	

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT PLAN

SCALE: 1"=20' SHEET 79 of 113

Attachment A: Corridor Engineering Drawings



LT-03

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NO.	REVISION	BY	APP'D	DATE

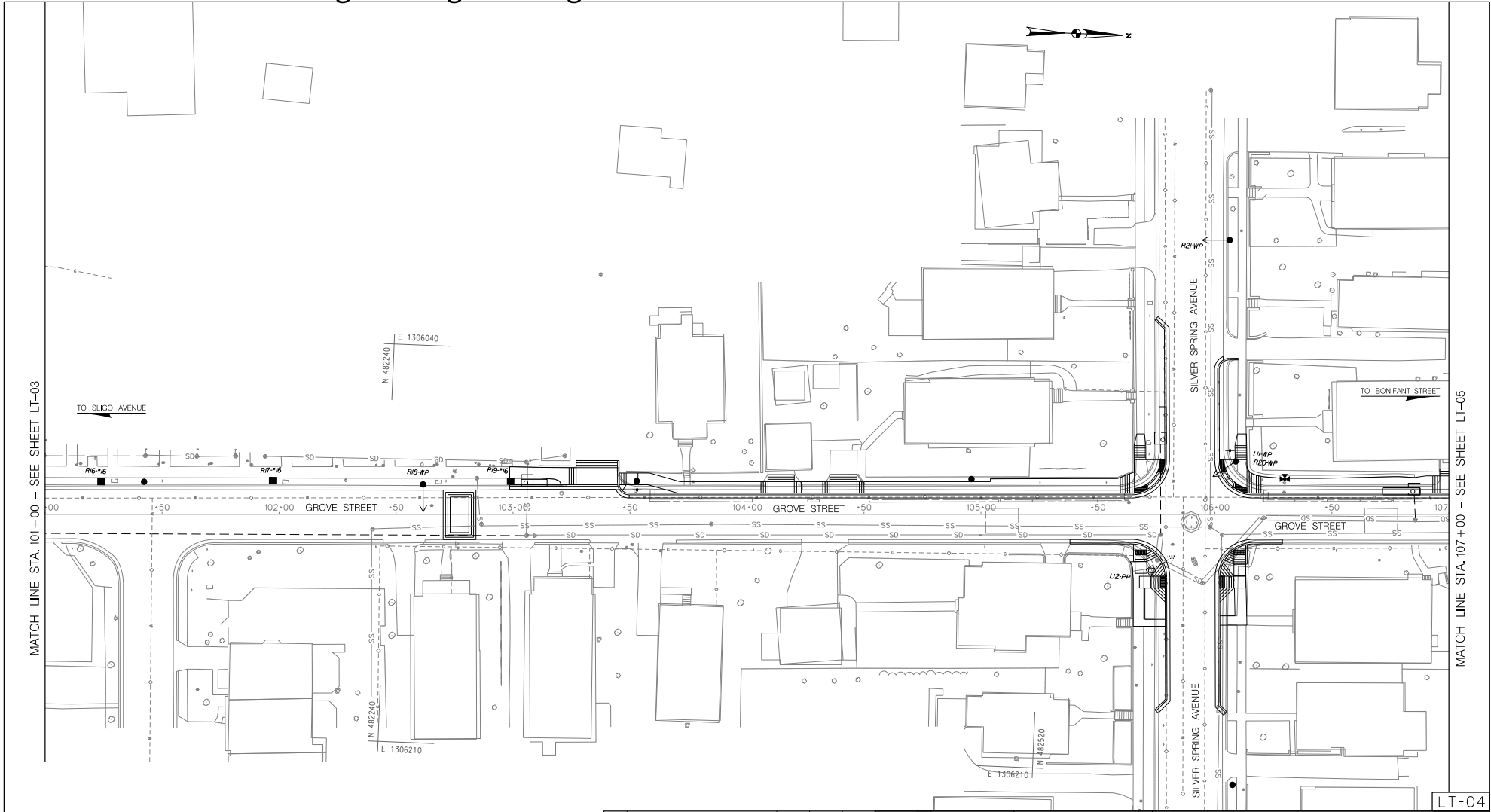
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APPROVED	
Chief, Division of Transportation Engineering _____	Date _____

DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT PLAN

SCALE: 1"=20' SHEET 80 of 113

Attachment A: Corridor Engineering Drawings



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PSI
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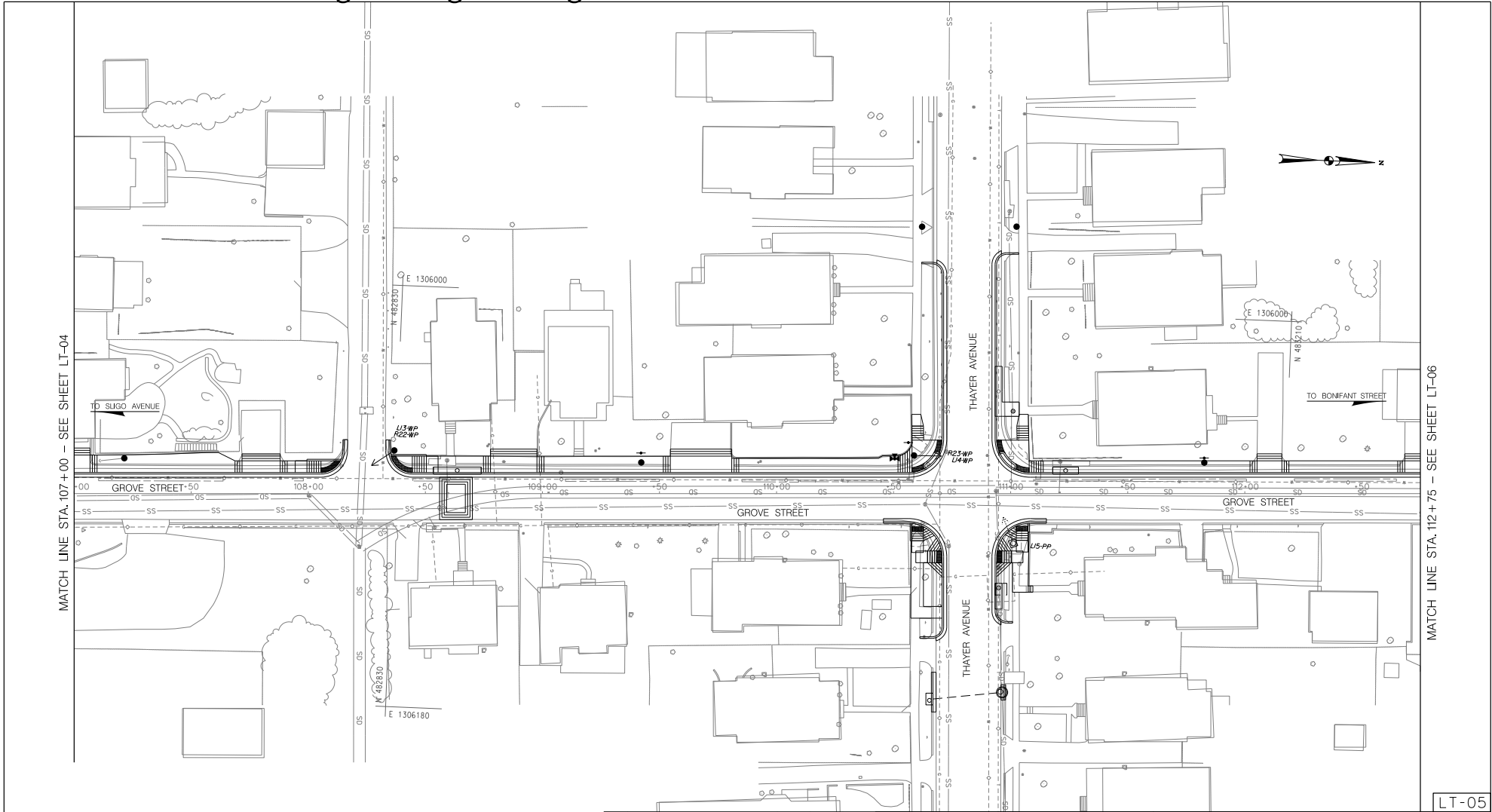
DEPARTMENT OF TRANSPORTATION
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 MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY

SCALE: 1"=20'

SHEET 81 of 113

Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 107+00 - SEE SHEET LT-04

MATCH LINE STA. 112+75 - SEE SHEET LT-06

LT-05

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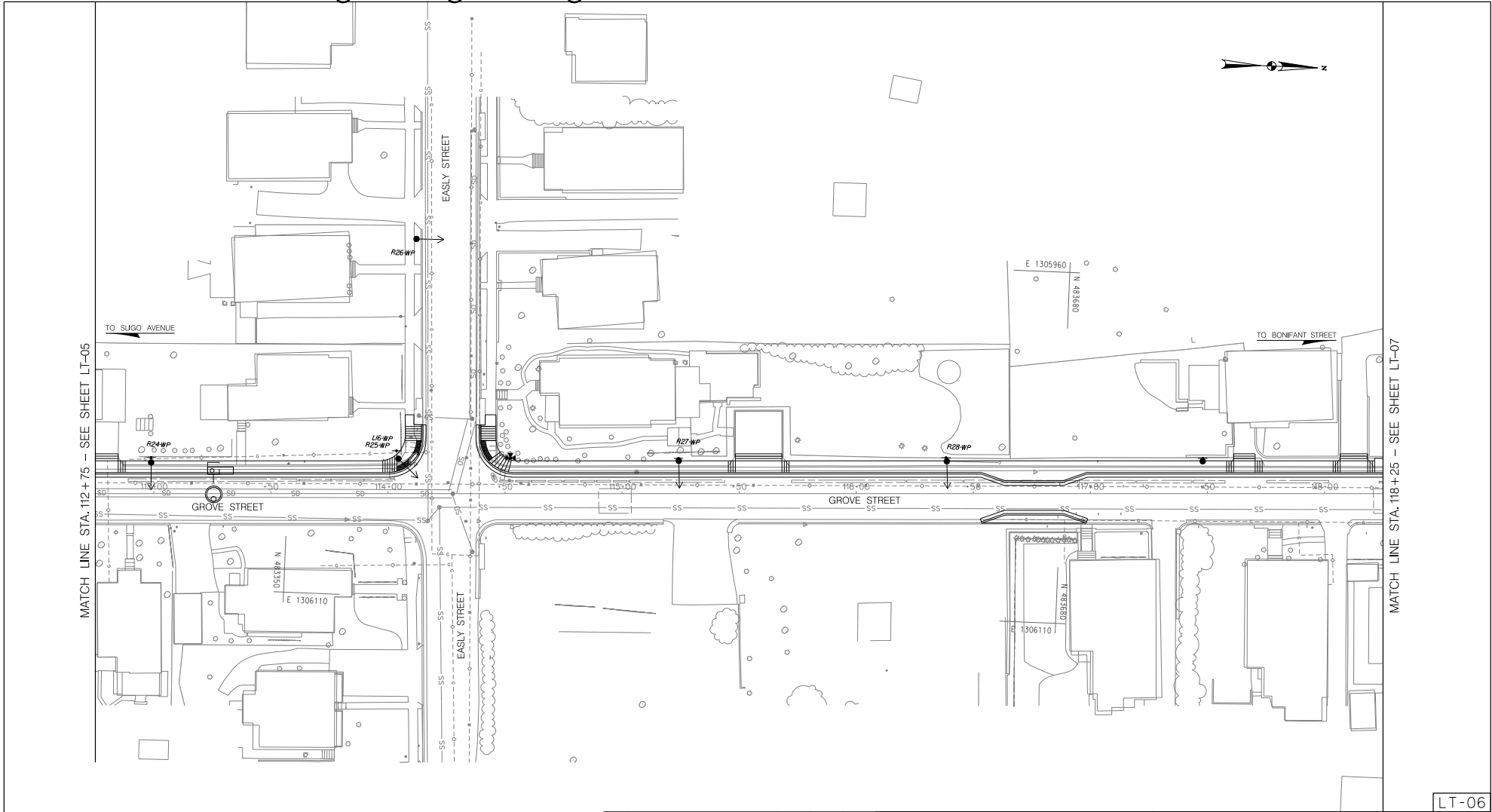
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EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT PLAN

SCALE: 1"=20'

SHEET 82 of 113

Attachment A: Corridor Engineering Drawings



LT-06

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EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT PLAN
SCALE: 1"=20' SHEET 83 of 113

Attachment A: Corridor Engineering Drawings



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MATCH LINE STA. 46 + 25 - SEE SHEET LT-08

LT-07

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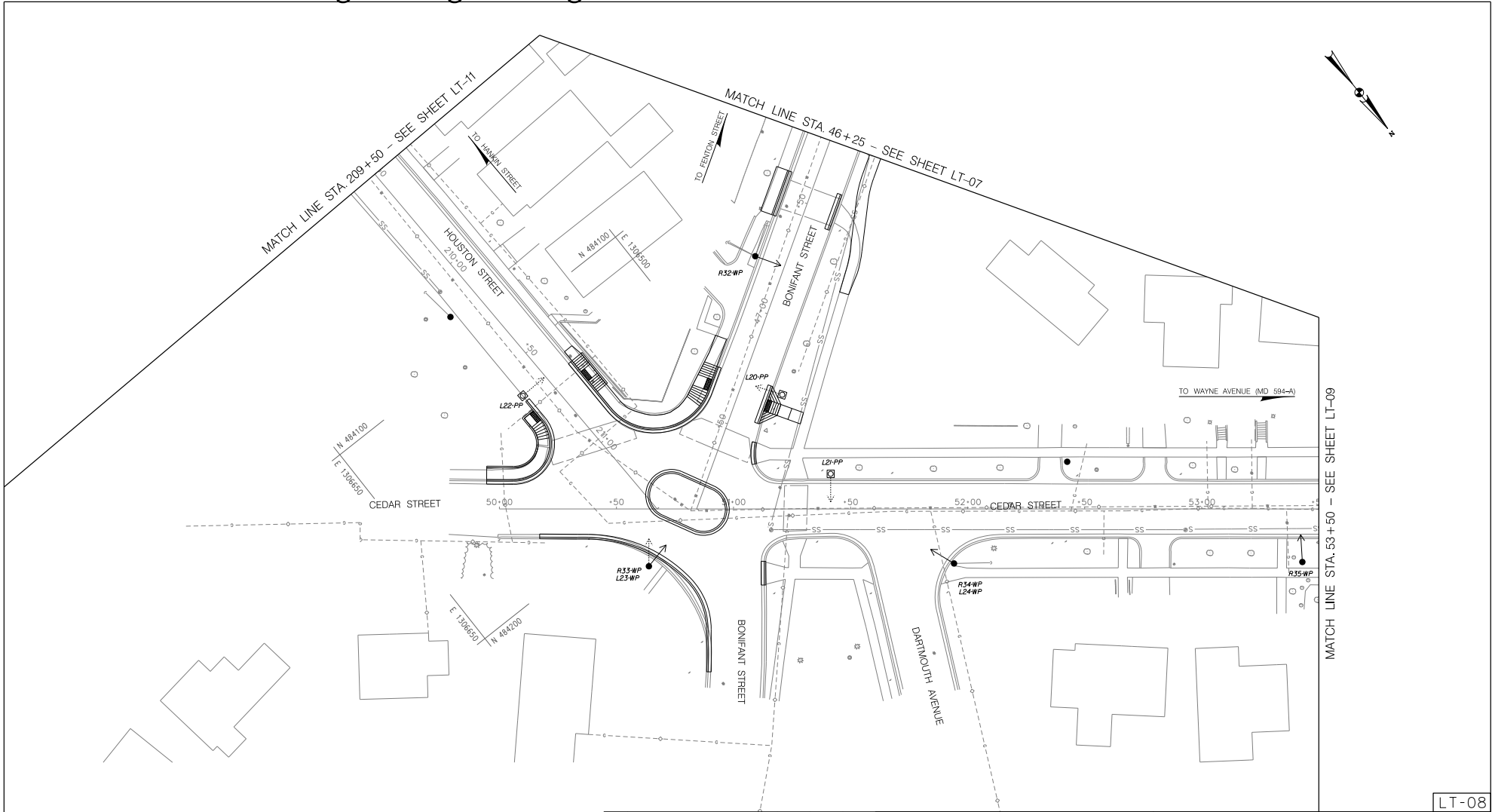
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EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 STREETLIGHT PLAN

SCALE: 1"=20' SHEET 84 of 113

Attachment A: Corridor Engineering Drawings



LT-08

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**EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT PLAN**

SCALE: 1"=20' SHEET 85 of 113

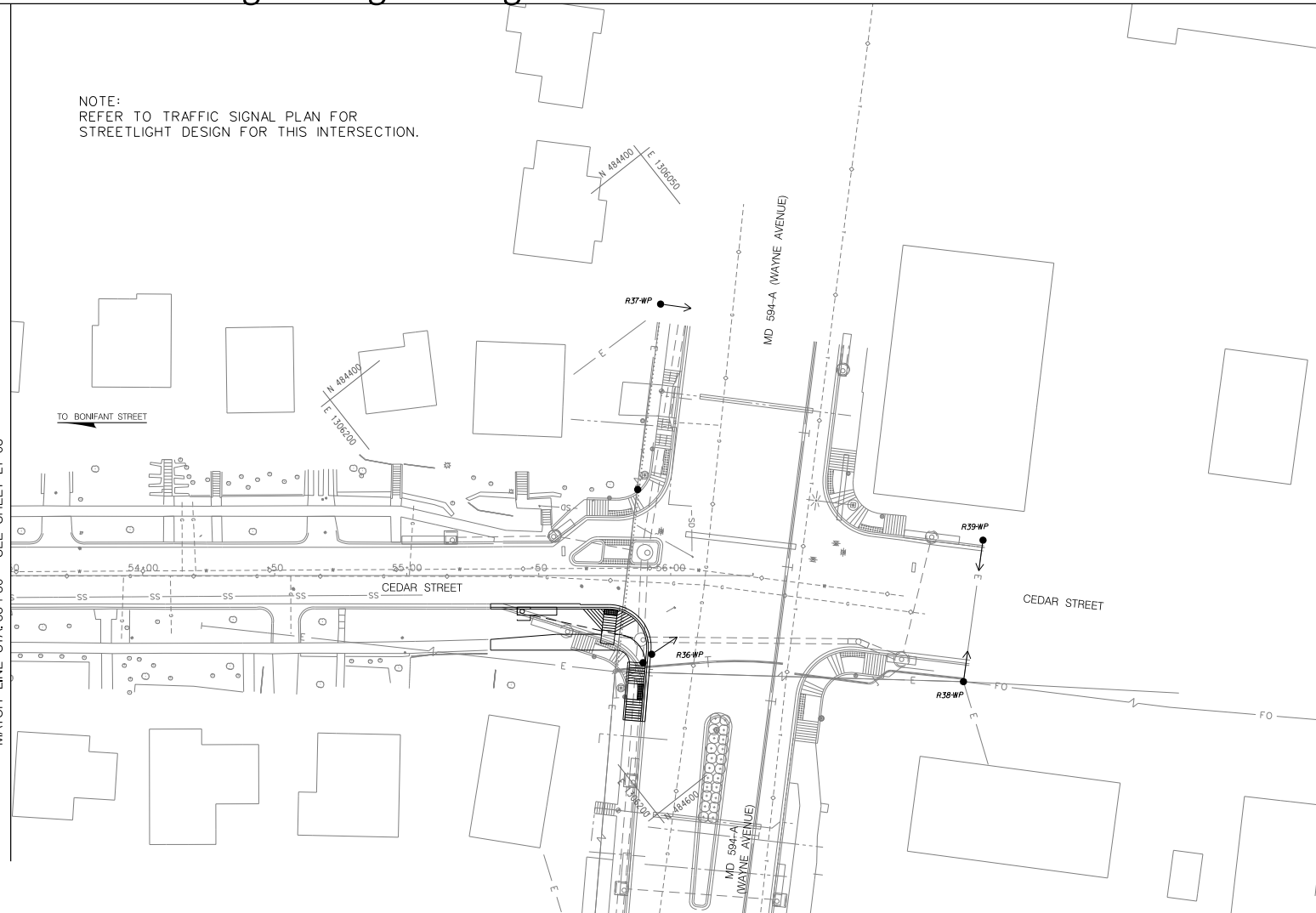
Attachment A: Corridor Engineering Drawings

NOTE:
REFER TO TRAFFIC SIGNAL PLAN FOR
STREETLIGHT DESIGN FOR THIS INTERSECTION.



MATCH LINE STA. 53+50 - SEE SHEET LT-08

TO BONIFANT STREET



LT-09



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EAST SILVER SPRING
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STREETLIGHT PLAN

SCALE: 1" = 20'

SHEET 86 of 113

5/21/2024

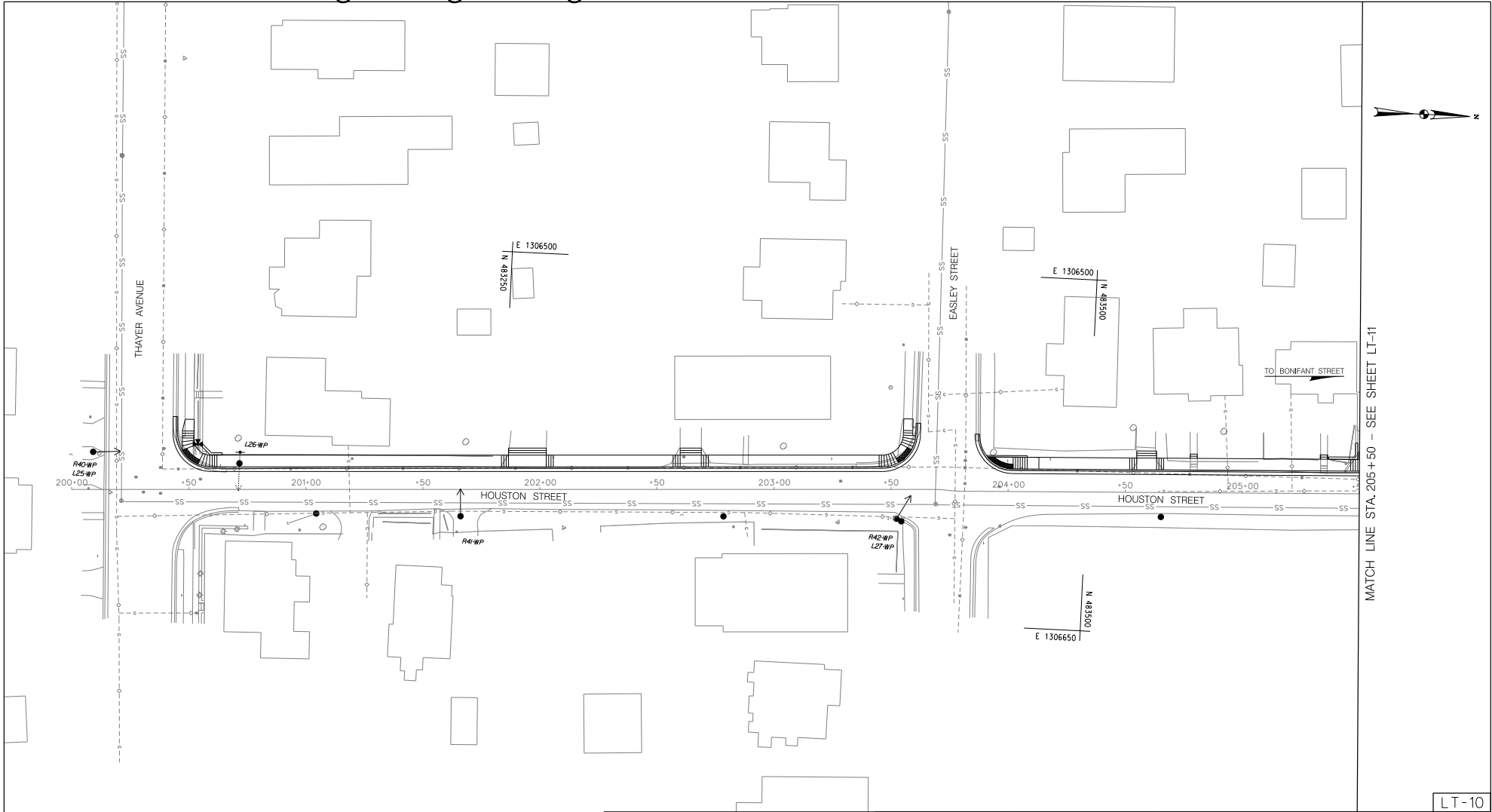
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Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 205 + 50 - SEE SHEET LT-11

LT-10

5/21/2024

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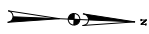
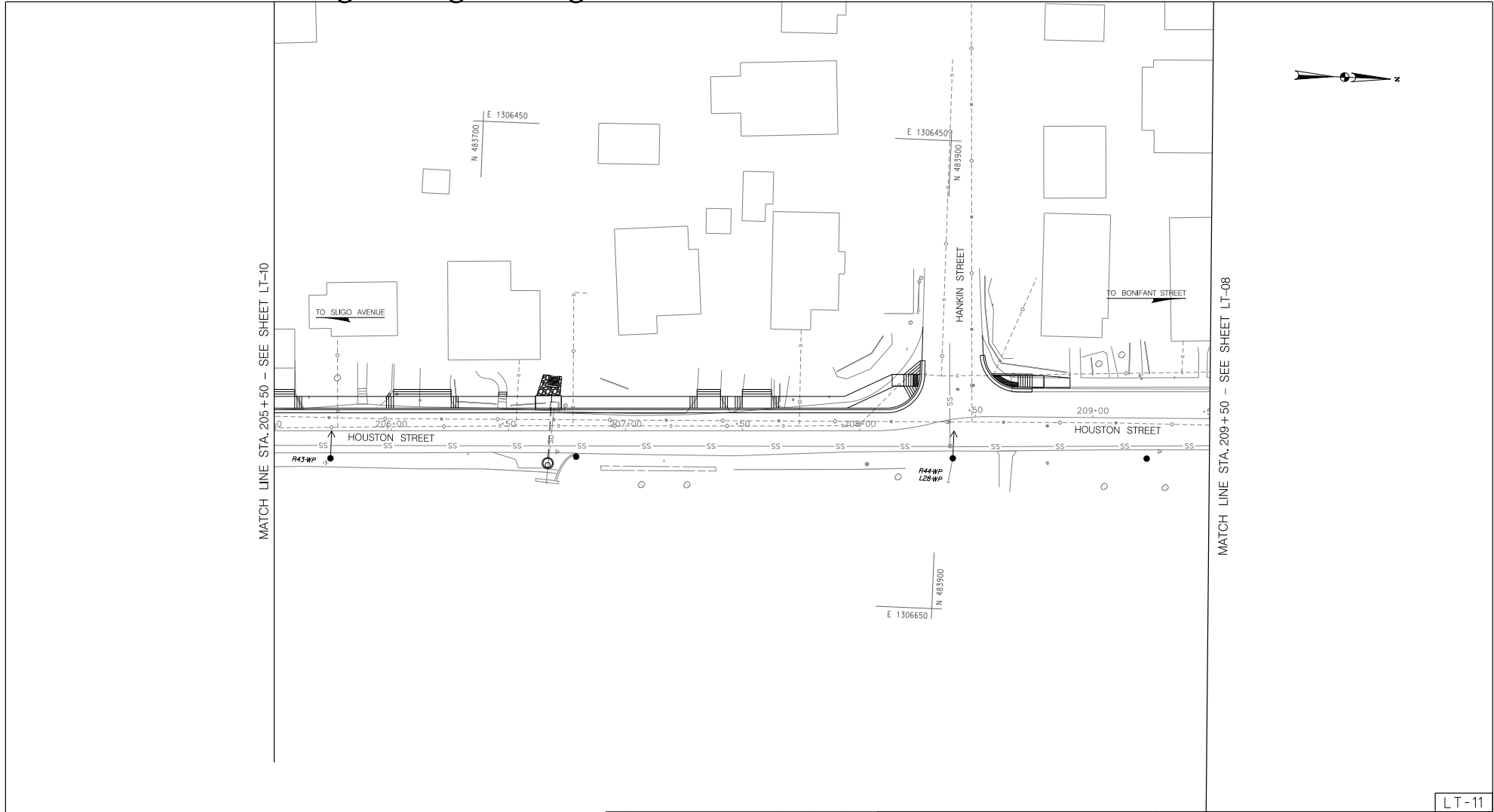
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**EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT PLAN**

SCALE: 1"=20' SHEET 87 of 113

Attachment A: Corridor Engineering Drawings



LT-11

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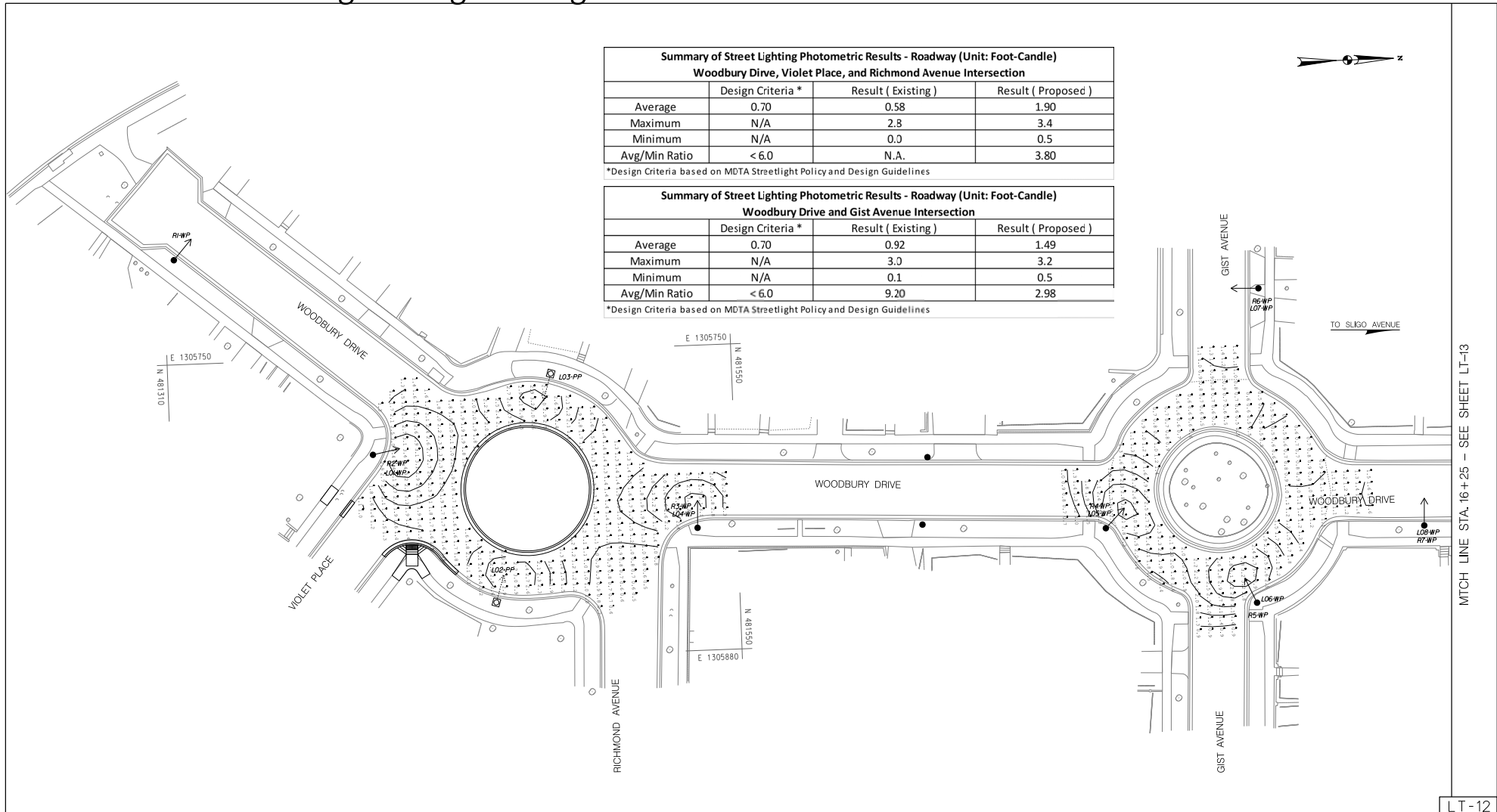
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EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 STREETLIGHT PLAN

SCALE: 1"=20' SHEET 88 of 113

Attachment A: Corridor Engineering Drawings



Summary of Street Lighting Photometric Results - Roadway (Unit: Foot-Candle)
Woodbury Drive, Violet Place, and Richmond Avenue Intersection

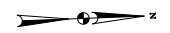
	Design Criteria *	Result (Existing)	Result (Proposed)
Average	0.70	0.58	1.90
Maximum	N/A	2.8	3.4
Minimum	N/A	0.0	0.5
Avg/Min Ratio	< 6.0	N.A.	3.80

*Design Criteria based on MDTA Streetlight Policy and Design Guidelines

Summary of Street Lighting Photometric Results - Roadway (Unit: Foot-Candle)
Woodbury Drive and Gist Avenue Intersection

	Design Criteria *	Result (Existing)	Result (Proposed)
Average	0.70	0.92	1.49
Maximum	N/A	3.0	3.2
Minimum	N/A	0.1	0.5
Avg/Min Ratio	< 6.0	9.20	2.98

*Design Criteria based on MDTA Streetlight Policy and Design Guidelines



MATCH LINE STA. 16+25 - SEE SHEET LT-13

LT-12

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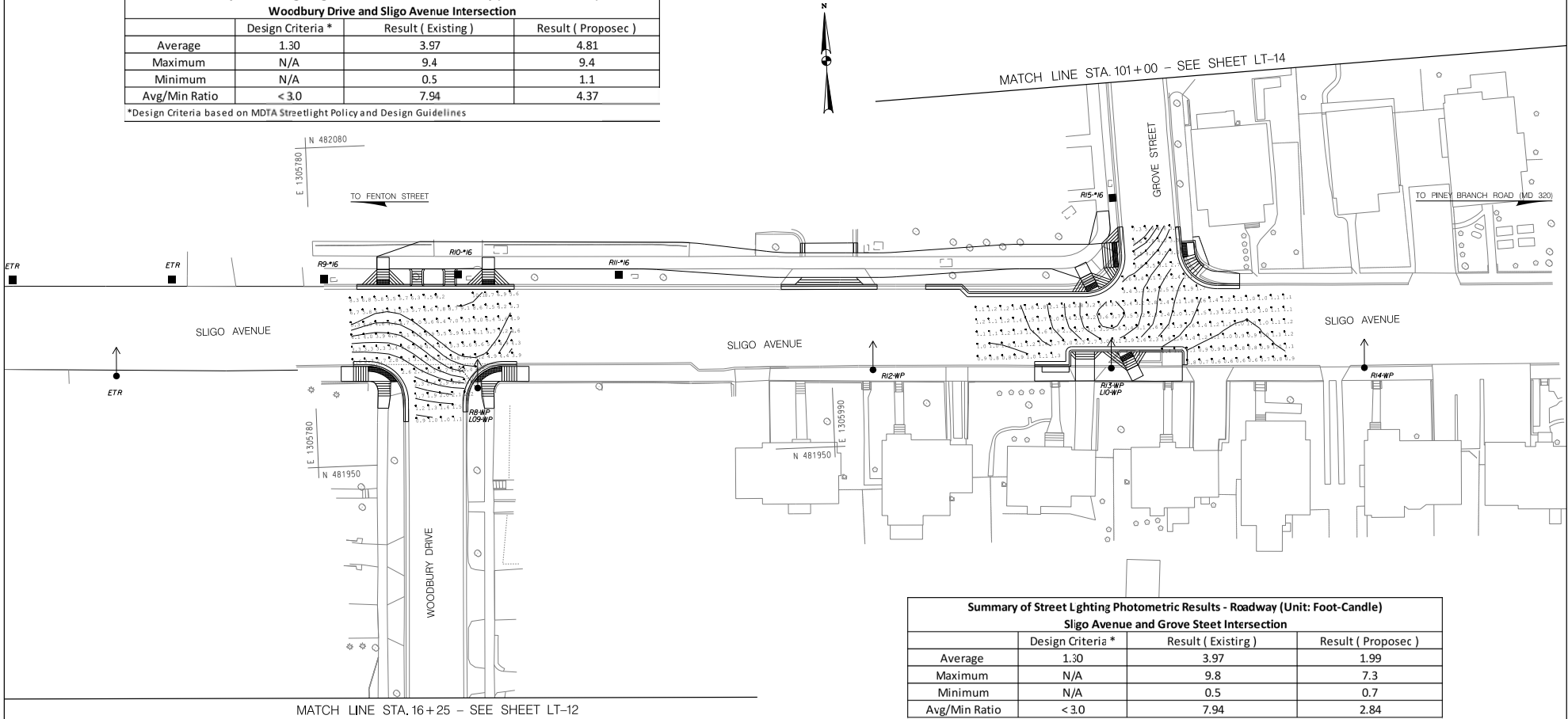
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NEIGHBORHOOD GREENWAY
STREETLIGHT PHOTOMETRIC ANALYSIS

SCALE: 1"=20' SHEET 89 of 113

Attachment A: Corridor Engineering Drawings

Summary of Street Lighting Photometric Results - Roadway (Unit: Foot-Candle)			
Woodbury Drive and Sligo Avenue Intersection			
	Design Criteria *	Result (Existing)	Result (Proposec)
Average	1.30	3.97	4.81
Maximum	N/A	9.4	9.4
Minimum	N/A	0.5	1.1
Avg/Min Ratio	< 3.0	7.94	4.37

*Design Criteria based on MDTA Streetlight Policy and Design Guidelines



Summary of Street Lighting Photometric Results - Roadway (Unit: Foot-Candle)			
Sligo Avenue and Grove Steet Intersection			
	Design Criteria *	Result (Existing)	Result (Proposec)
Average	1.30	3.97	1.99
Maximum	N/A	9.8	7.3
Minimum	N/A	0.5	0.7
Avg/Min Ratio	< 3.0	7.94	2.84

*Design Criteria based on MDTA Streetlight Policy and Design Guidelines

LT-13

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EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT PHOTOMETRIC ANALYSIS

SCALE: 1"=20'

SHEET 90 of 113

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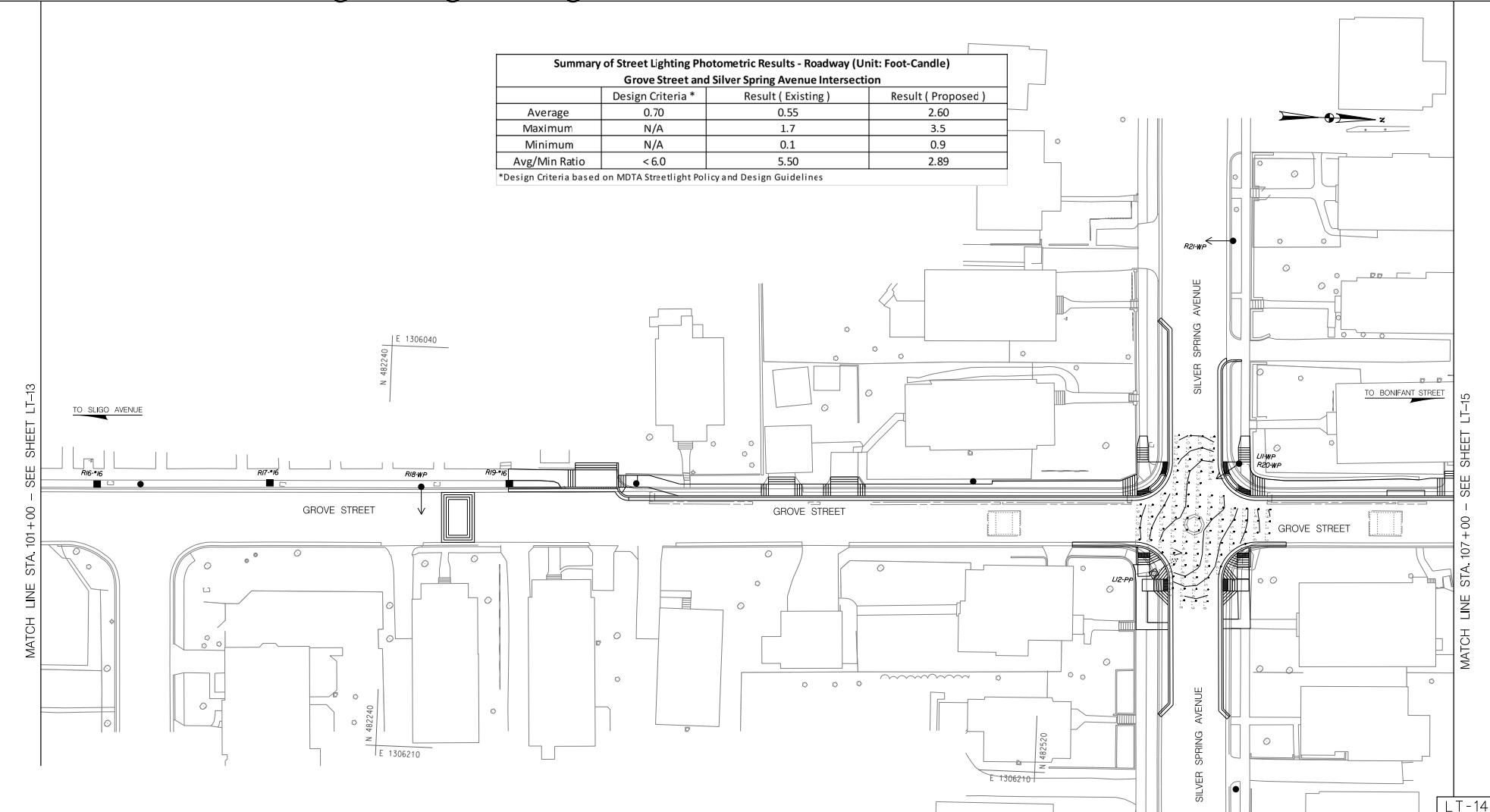
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Attachment A: Corridor Engineering Drawings

Summary of Street Lighting Photometric Results - Roadway (Unit: Foot-Candle)			
Grove Street and Silver Spring Avenue Intersection			
	Design Criteria *	Result (Existing)	Result (Proposed)
Average	0.70	0.55	2.60
Maximum	N/A	1.7	3.5
Minimum	N/A	0.1	0.9
Avg/Min Ratio	< 6.0	5.50	2.89

*Design Criteria based on MDTA Streetlight Policy and Design Guidelines



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MATCH LINE STA. 101+00 - SEE SHEET LT-13

MATCH LINE STA. 107+00 - SEE SHEET LT-15

LT-14

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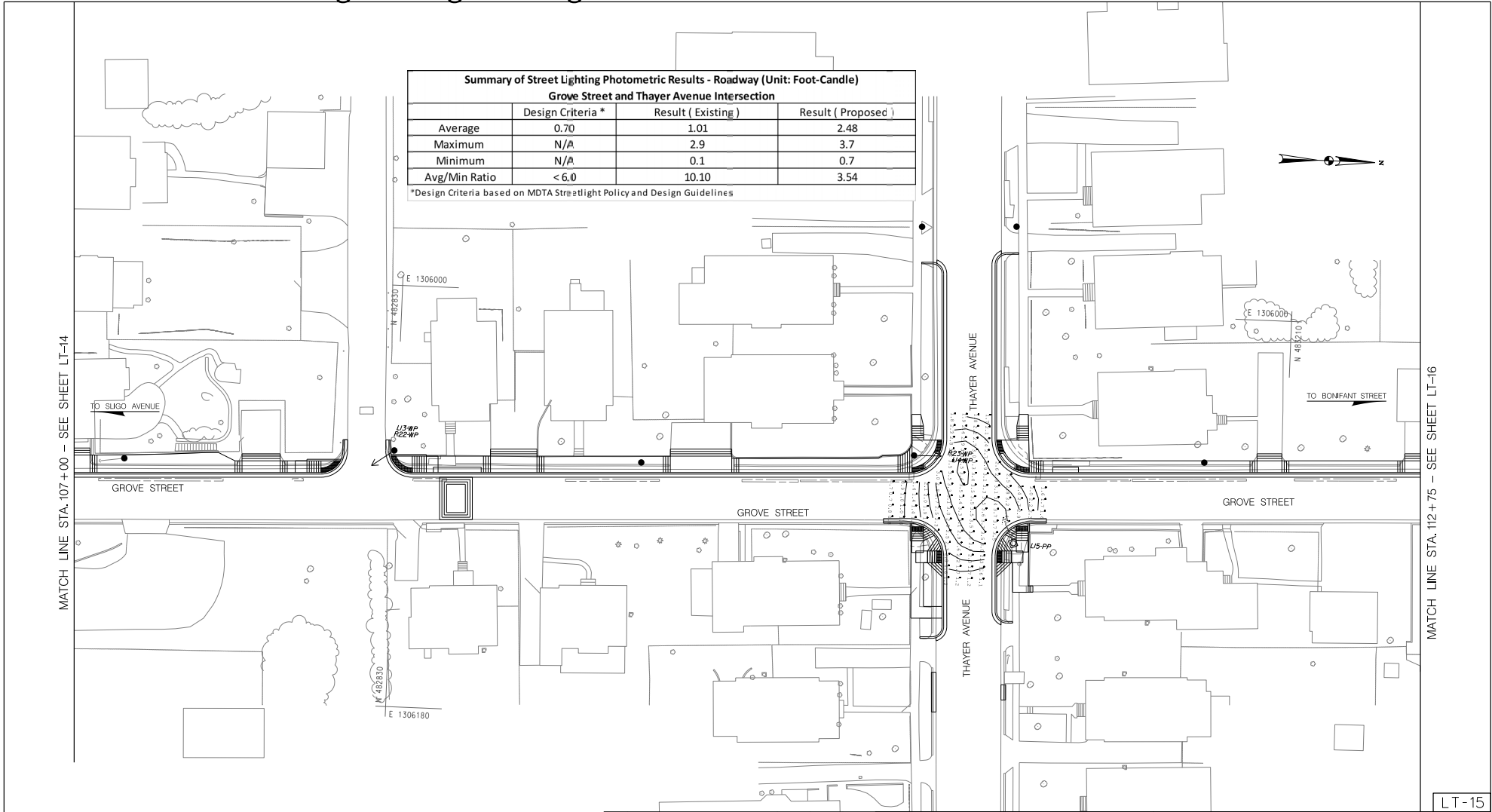
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EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 STREETLIGHT PHOTOMETRIC ANALYSIS

SCALE: 1"=20' SHEET 91 of 113

Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 107+00 - SEE SHEET LT-14

MATCH LINE STA. 112+75 - SEE SHEET LT-16

LT-15

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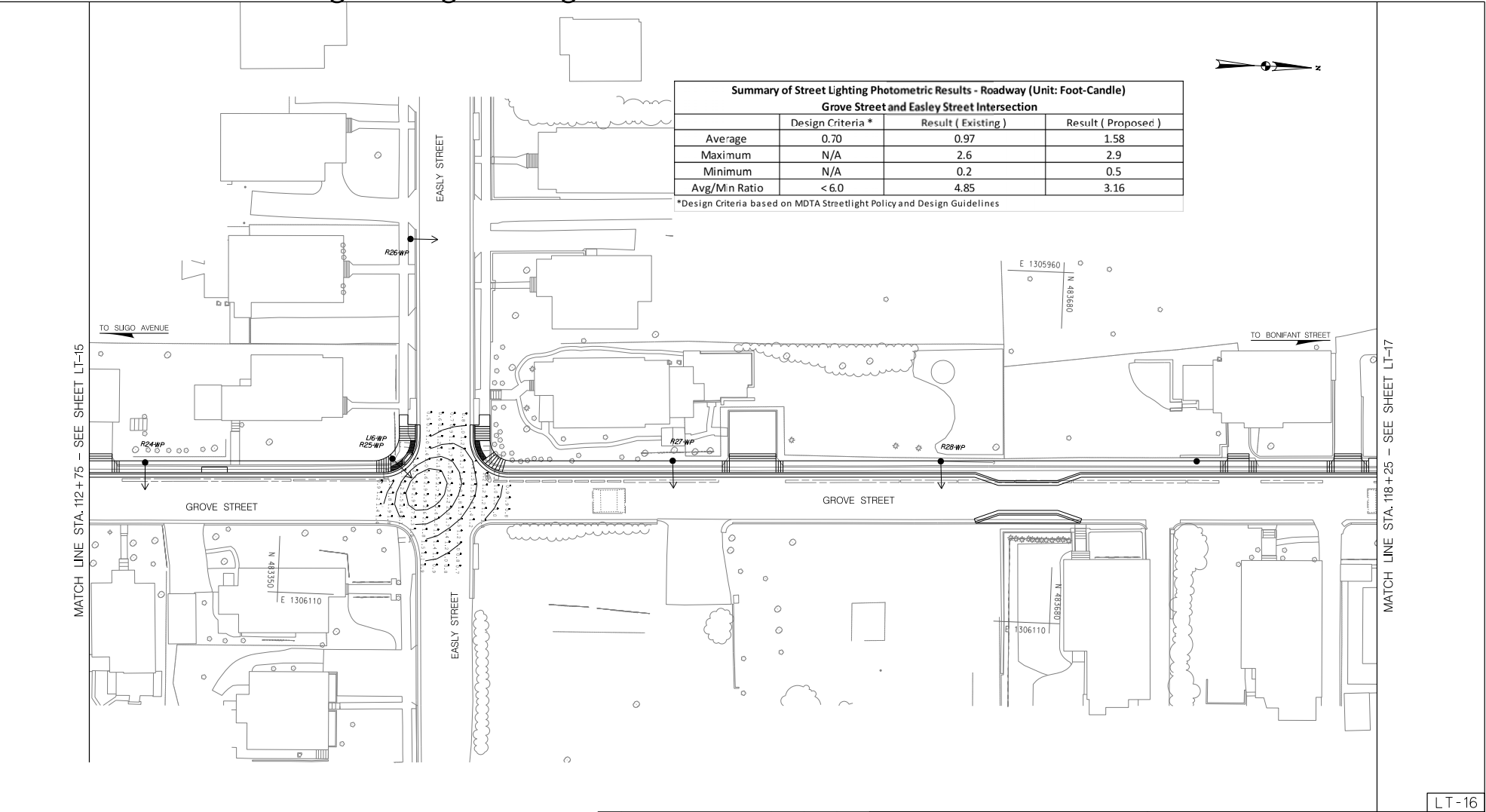
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EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 STREETLIGHT PHOTOMETRIC ANALYSIS

SCALE: 1"=20' SHEET 92 of 113

Attachment A: Corridor Engineering Drawings



Summary of Street Lighting Photometric Results - Roadway (Unit: Foot-Candle)			
Grove Street and Easley Street Intersection			
	Design Criteria *	Result (Existing)	Result (Proposed)
Average	0.70	0.97	1.58
Maximum	N/A	2.6	2.9
Minimum	N/A	0.2	0.5
Avg/Min Ratio	< 6.0	4.85	3.16

*Design Criteria based on MDTA Streetlight Policy and Design Guidelines

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LT-16

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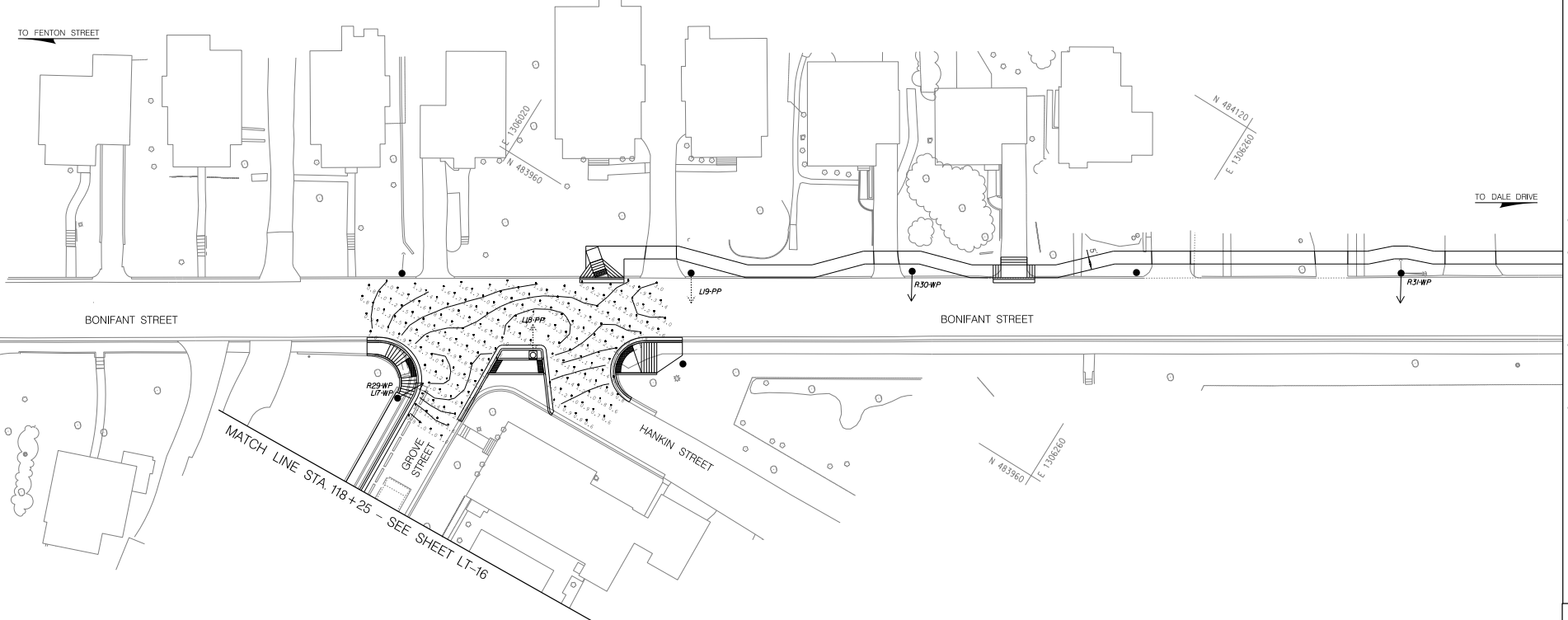
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NEIGHBORHOOD GREENWAY
STREETLIGHT PHOTOMETRIC ANALYSIS

SCALE: 1"=20' SHEET 93 of 113

Attachment A: Corridor Engineering Drawings

Summary of Street Lighting Photometric Results - Roadway (Unit: Foot-Candle)			
Grove Street, Hankin Street, and Bonifant Intersection			
	Design Criteria *	Result (Existing)	Result (Proposec)
Average	0.70	0.65	2.15
Maximum	N/A	3.6	3.4
Minimum	N/A	0.0	0.6
Avg/Min Ratio	< 6.0	N.A.	3.58

*Design Criteria based on MDTA Streetlight Policy and Design Guidelines



MATCH LINE STA. 46+25 - SEE SHEET LT-18

LT-17

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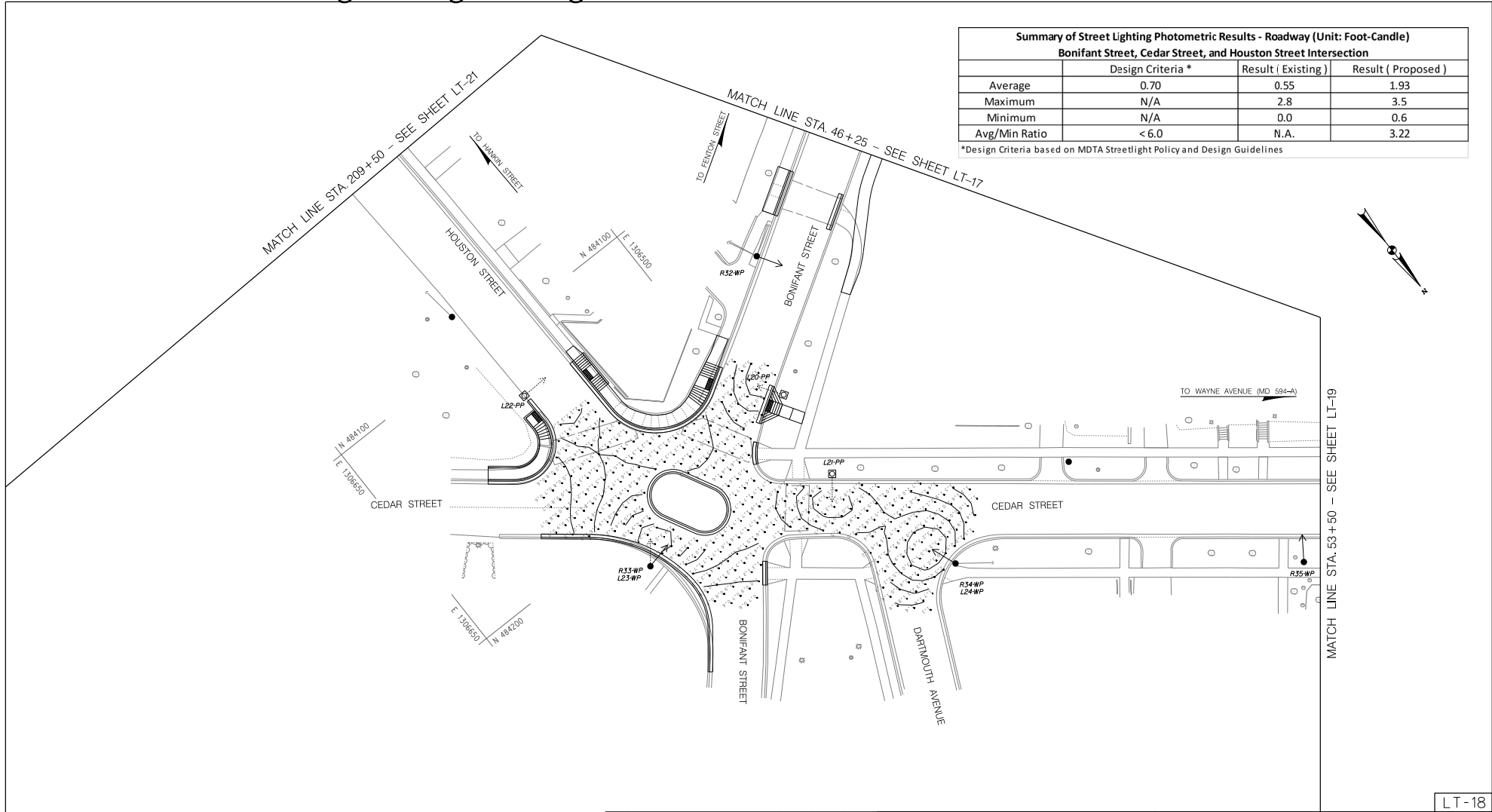
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SCALE: 1"=20' SHEET 94 of 113

Attachment A: Corridor Engineering Drawings

Summary of Street Lighting Photometric Results - Roadway (Unit: Foot-Candle)			
Bonifant Street, Cedar Street, and Houston Street Intersection			
	Design Criteria *	Result (Existing)	Result (Proposed)
Average	0.70	0.55	1.93
Maximum	N/A	2.8	3.5
Minimum	N/A	0.0	0.6
Avg/Min Ratio	< 6.0	N.A.	3.22

*Design Criteria based on MDTA Streetlight Policy and Design Guidelines



LT-18

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MONTGOMERY COUNTY, MARYLAND

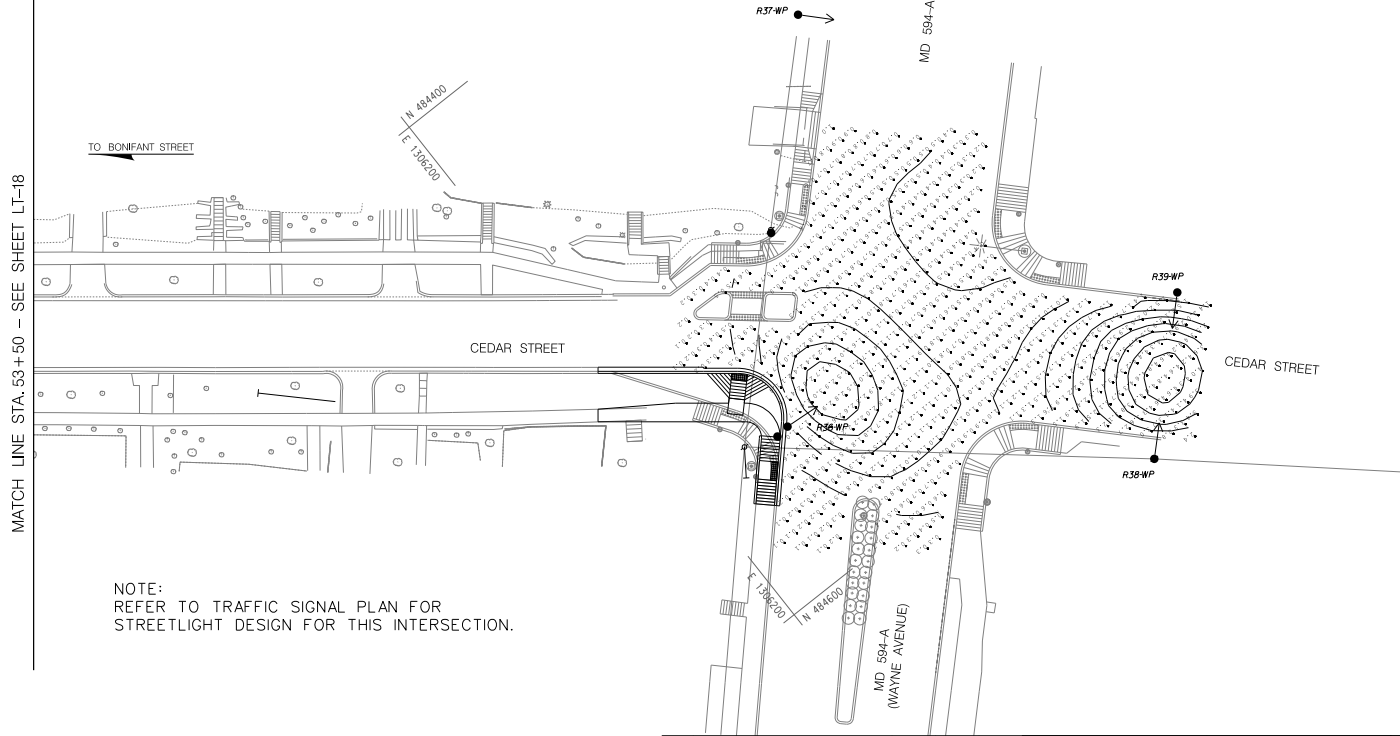
EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT PHOTOMETRIC ANALYSIS

SCALE: 1"=20' SHEET 95 of 113

Attachment A: Corridor Engineering Drawings

Summary of Street Lighting Photometric Results - Roadway (Unit: Foot-Candle)		
Cedar Street and Wayne Avenue Intersection		
	Design Criteria *	Result (Existing)
Average	1.30	0.62
Maximum	N/A	1.7
Minimum	N/A	0.1
Avg/Min Ratio	< 3.0	6.20

*Design Criteria based on MDTA Streetlight Policy and Design Guidelines



NOTE:
REFER TO TRAFFIC SIGNAL PLAN FOR
STREETLIGHT DESIGN FOR THIS INTERSECTION.

MATCH LINE STA. 53+50 - SEE SHEET LT-18

LT-19

NO.	REVISION	BY	APP'D	DATE	DESIGNED BY:SF	DATE: MAY, 2024
					DRAWN BY:SF	DATE: MAY, 2024
					CHECKED BY:AYY	DATE: MAY, 2024
					DRAWING NO.:	DATE:
RECOMMENDED FOR APPROVAL						
Chief, Design Section						Date
APPROVED						
Chief, Division of Transportation Engineering						Date

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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT PHOTOMETRIC ANALYSIS

SCALE: 1"=20' SHEET 96 of 113

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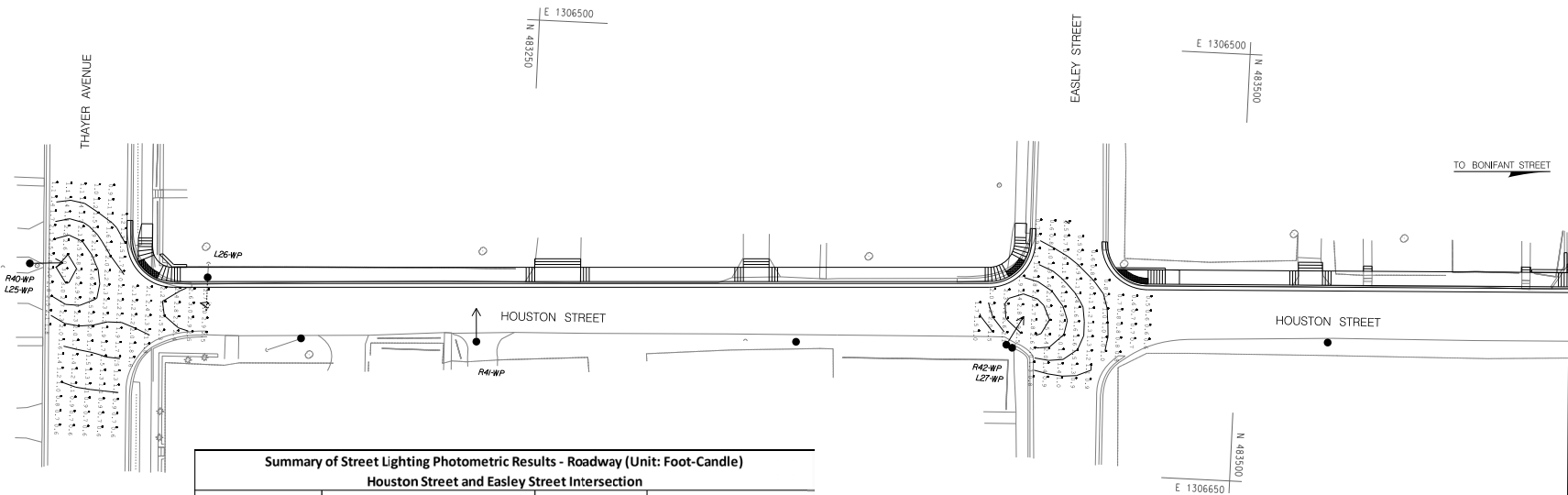
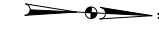
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Attachment A: Corridor Engineering Drawings

Summary of Street Lighting Photometric Results - Roadway (Unit: Foot-Candle)			
Houston Street and Thayer Avenue Intersection			
	Design Criteria *	Result (Existing)	Result (Proposed)
Average	0.70	0.75	1.86
Maximum	N/A	2.5	3.1
Minimum	N/A	0.1	0.6
Avg/Min Ratio	< 6.0	7.50	3.10

*Design Criteria based on MDTA Streetlight Policy and Design Guidelines



Summary of Street Lighting Photometric Results - Roadway (Unit: Foot-Candle)			
Houston Street and Easley Street Intersection			
	Design Criteria *	Result (Existing)	Result (Proposed)
Average	0.70	0.80	1.39
Maximum	N/A	2.6	2.9
Minimum	N/A	0.1	0.5
Avg/Min Ratio	< 6.0	8.00	2.78

*Design Criteria based on MDTA Streetlight Policy and Design Guidelines

MATCH LINE STA. 205 + 50 - SEE SHEET LT-21

LT-20

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Chief, Division of Transportation Engineering _____ Date _____

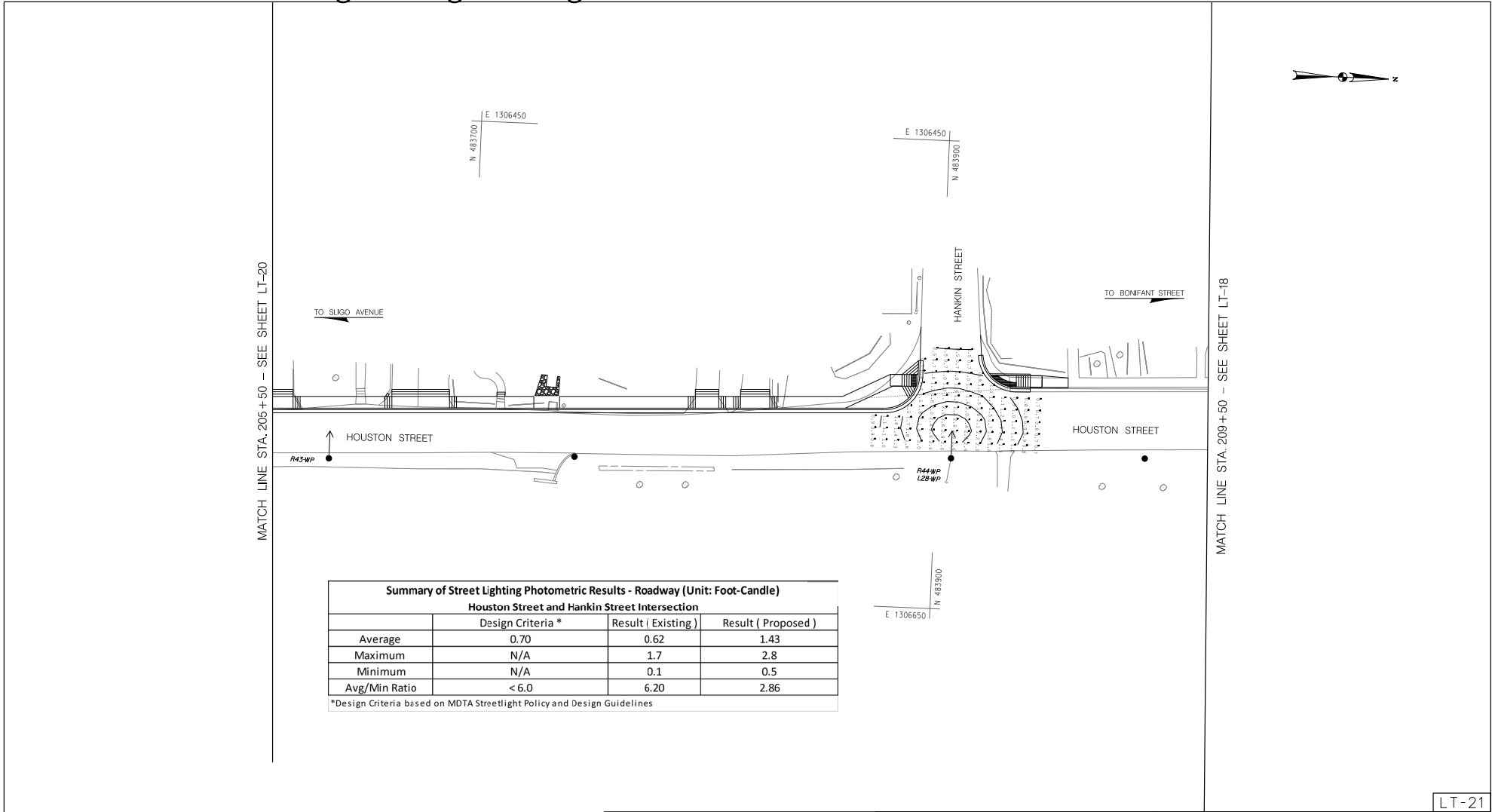
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EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 STREETLIGHT PHOTOMETRIC ANALYSIS

SCALE: 1"=20' SHEET 97 of 113

Attachment A: Corridor Engineering Drawings

5/21/2024 P:\80950-stantec-east silver spring neighborhood greenway\Lighting\Sheets\LT-2010_Photometric-ESSNGreenway.dgn



Summary of Street Lighting Photometric Results - Roadway (Unit: Foot-Candle)
Houston Street and Hankin Street Intersection

	Design Criteria *	Result (Existing)	Result (Proposed)
Average	0.70	0.62	1.43
Maximum	N/A	1.7	2.8
Minimum	N/A	0.1	0.5
Avg/Min Ratio	< 6.0	6.20	2.86

*Design Criteria based on MDTA Streetlight Policy and Design Guidelines

LT-21

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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
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SCALE: 1"=20' SHEET 98 of 113

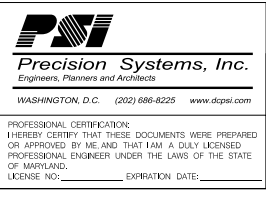
Attachment A: Corridor Engineering Drawings

EXISTING STREETLIGHT POLE INFORMATION

LIGHT NO.	LOCATION	STATION		POLE TYPE	POLE HEIGHT	ARM LENGTH	LIGHT SOURCE	LAMP WATTS	REMARKS	REMARKS	DETAILS
			OFFSET								
R1-WP	E/S WOODBURY DRIVE S/O VIOLET PLACE	10+52.37	14.98 RT	WOOD POLE	20'	8 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R2-WP	SE CORNER OF WOODBURY DRIVE & VIOLET PLACE	11+70.16	28.31 RT	WOOD POLE	20'	8 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R3-WP	NE CORNER OF WOODBURY DRIVE & RICHMOND AVENUE	13+04.00	15.143 RT	WOOD POLE	20'	8 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R4-WP	SE CORNER OF WOODBURY DRIVE & GIST AVENUE	14+77.80	15.61 RT	WOOD POLE	20'	8 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R5-WP	NE CORNER OF WOODBURY DRIVE & GIST AVENUE	15+42.18	47.31 RT	WOOD POLE	20'	8 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R6-WP	NW CORNER OF GIST AVENUE & WOODBURY DRIVE	15+42.73	86.59 LT	WOOD POLE	20'	8 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R7-WP	E/S WOODBURY DRIVE N/O GIST AVENUE	16+13.36	14.43 RT	WOOD POLE	20'	8 FT	HPS	70	COBRAHEAD	NON-CUT-OFF	
R8-WP	SE CORNER OF WOODBURY DRIVE & SLIGO AVENUE	17+51.03	16.71 RT	WOOD POLE	20'	8 FT	HPS	70	COBRAHEAD	NON-CUT-OFF	
R9-#16	NW CORNER OF WOODBURY DRIVE & SLIGO AVENUE	20+23.69	18.87 LT	16 C1	13' 2"		LED	60	WASHINGTON GLOBE		
R10-#16	NE CORNER OF WOODBURY DRIVE & SLIGO AVENUE	20+78.12	20.76 LT	16 C1	13' 2"		LED	60	WASHINGTON GLOBE		
R11-#16	N/S SLIGO AVENUE N/O WOODBURY DRIVE	21+43.53	20.70 LT	16 C1	13' 2"		LED	60	WASHINGTON GLOBE		
R12-WP	S/S SLIGO AVENUE N/O WOODBURY DRIVE	22+46.75	18.03 RT	WOOD POLE	20'	8 FT	LED	70	COBRAHEAD	NON-CUT-OFF	
R13-WP	SW CORNER OF SLIGO AVENUE & GROVE STREET	23+43.61	17.35 RT	WOOD POLE	20'	15 FT	LED	70	COBRAHEAD	NON-CUT-OFF	
R14-WP	S/S SLIGO AVENUE S/O GROVE STREET	24+46.46	17.17 RT	WOOD POLE	20'	8 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R15-#16	1ST POLE W/S GROVE STREET N/O SLIGO AVENUE	100+53.15	13.82 LT	16 C1	13' 2"		LED	60	WASHINGTON GLOBE		
R16-#16	2ND POLE W/S GROVE STREET N/O SLIGO AVENUE	101+23.90	13.97 LT	16 C1	13' 2"		LED	60	WASHINGTON GLOBE		
R17-#16	3RD POLE W/S GROVE STREET N/O SLIGO AVENUE	101+97.26	14.50 LT	16 C1	13' 2"		LED	60	WASHINGTON GLOBE		
R18-WP	4TH POLE W/S GROVE STREET N/O SLIGO AVENUE	102+61.55	12.82 LT	WOOD POLE	20'	4 FT	HPS	70	COBRAHEAD	NON-CUT-OFF	
R19-#16	5TH POLE W/S GROVE STREET N/O SLIGO AVENUE	102+98.97	14.16 LT	16 C1	13' 2"		LED	60	WASHINGTON GLOBE		
R20-WP	NW CORNER OF SILVER SPRING AVENUE & GROVE STREET	106+08.86	22.64 LT	WOOD POLE	20'	8 FT	LED	40	COBRAHEAD	NON-CUT-OFF	
R21-WP	N/S SILVER SPRING AVENUE W/O GROVE STREET	106+06.31	117.27 LT	WOOD POLE	20'	8 FT	LED	40	COBRAHEAD	NON-CUT-OFF	
R22-WP	NW CORNER OF GROVE STREET AND RIFLEY STREET	108+36.74	18.43 LT	WOOD POLE	20'	4 FT	HPS	70	COBRAHEAD	CUT-OFF	
R23-WP	SW CORNER OF GROVE STREET AND THAYER AVENUE	110+58.72	16.28 LT	WOOD POLE	20'	8 FT	HPS	170	COBRAHEAD	NON-CUT-OFF	
R24-WP	W/S GROVE STREET S/O EASLEY STREET	112+98.85	13.29 LT	WOOD POLE	20'	4 FT	HPS	70	COBRAHEAD	NON-CUT-OFF	
R25-WP	SW CORNER OF GROVE STREET & EASLEY STREET	114+04.49	14.88 LT	WOOD POLE	20'	8 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R26-WP	S/S EASLEY STREET W/O GROVE STREET	114+12.20	108.75 LT	WOOD POLE	20'	8 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R27-WP	W/S GROVE STREET N/O EASLEY STREET	115+24.09	13.95 LT	WOOD POLE	20'	8 FT	HPS	70	COBRAHEAD	NON-CUT-OFF	
R28-WP	W/S GROVE STREET S/O BONIFANT STREET	116+36.69	13.78 LT	WOOD POLE	20'	4 FT	HPS	70	COBRAHEAD	CUT-OFF	
R29-WP	SW CORNER OF GROVE STREET AND BONIFANT STREET	118+63.41	13.65 LT	WOOD POLE	20'	15 FT	HPS	150	COBRAHEAD	NON-CUT-OFF	
R30-WP	1ST POLE N/S BONIFANT STREET E/O GROVE STREET	43+67.05	15.06 LT	WOOD POLE	20'	4 FT	HPS	70	COBRAHEAD	NON-CUT-OFF	
R31-WP	2ND POLE N/S BONIFANT STREET E/O GROVE STREET	45+58.10	14.40 LT	WOOD POLE	20'	8 FT	HPS	70	COBRAHEAD	CUT-OFF	
R32-WP	S/S BONIFANT STREET W/O CEDAR STREET	46+78.67	13.20 RT	WOOD POLE	20'	4 FT	HPS	70	COBRAHEAD	CUT-OFF	
R33-WP	SE CORNER OF CEDAR STREET & BONIFANT STREET	50+63.86	24.46 RT	WOOD POLE	20'	4 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R34-WP	NE CORNER OF CEDAR STREET & DARTMOUTH AVENUE	51+94.19	23.8 RT	WOOD POLE	20'	4 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R35-WP	E/S CEDAR STREET N/O DARTMOUTH AVENUE	53+42.97	22.65 RT	WOOD POLE	20'	4 FT	HPS	70	COBRAHEAD	NON-CUT-OFF	
R36-WP	SE CORNER CEDAR STREET & WAYNE AVENUE	55+92.78	29.80 RT	WOOD POLE	20'	15 FT	HPS	70	COBRAHEAD	NON-CUT-OFF	
R37-WP	S/S WAYNE AVENUE W/O CEDAR STREET	55+96.17	102.84 LT	WOOD POLE	20'	15 FT	HPS	100	COBRAHEAD	CUT-OFF	
R38-WP	E/S CEDAR STREET N/O WAYNE AVENUE	3252+36.61	28.85 RT	WOOD POLE	20'	15 FT	HPS	100	COBRAHEAD	CUT-OFF	
R39-WP	W/S CEDAR STREET N/O WAYNE AVENUE	3252+40.41	25.44 LT	WOOD POLE	20'	15 FT	HPS	150	COBRAHEAD	CUT-OFF	
R40-WP	S/S THAYER AVENUE S/O HOUSTON STREET	200+09.17	16.05 LT	WOOD POLE	20'	4 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R41-WP	E/S HOUSTON STREET N/O THAYER AVENUE	201+56.08	11.44 RT	WOOD POLE	20'	4 FT	HPS	70	COBRAHEAD	NON-CUT-OFF	
R42-WP	SE CORNER OF HOUSTON STREET & EASLEY STREET	203+52.29	12.54 RT	WOOD POLE	20'	4 FT	HPS	100	COBRAHEAD	NON-CUT-OFF	
R43-WP	E/S HOUSTON STREET N/O EASLEY STREET	205+74.04	11.76 RT	WOOD POLE	20'	4 FT	HPS	70	COBRAHEAD	NON-CUT-OFF	
R44-WP	E/S HOUSTON STREET E/O HANKIN STREET STREET	208+37.22	16.44 RT	WOOD POLE	20'	4 FT	HPS	70	COBRAHEAD	NON-CUT-OFF	

LT-22

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DEPARTMENT OF TRANSPORTATION
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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT TABLES

SCALE: NTS SHEET 99 of 113

Attachment A: Corridor Engineering Drawings

PROPOSED STREETLIGHT POLE INFORMATION												
LIGHT NO.	LOCATION			POLE TYPE	POLE HEIGHT	ARM LENGTH	LIGHT SOURCE	LAMP WATTS	REMARKS	DETAILS		
	STATION	OFFSET										
L01-WP	SE CORNER OF WOODBURY DRIVE & VIOLET PLACE			11+70.16	28.31 RT	WOOD POLE	25 FT	8 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L02-PP	W/S WOODBURY DRIVE N/O VIOLET PLACE			12+50.25	45.63 RT	PENDANT POLE	28.5 FT	8 FT	LED	100	COBRAHEAD	INSTALL NEW POLE, LIGHTING ARM AND FIXTURE
L03-PP	E/S WOODBURY DRIVE N/O VIOLET PLACE			12+08.59	45.48 LT	PENDANT POLE	28.5 FT	8 FT	LED	100	COBRAHEAD	INSTALL NEW POLE, LIGHTING ARM AND FIXTURE
L04-WP	NE CORNER OF WOODBURY DRIVE & RICHMOND AVENUE			13+04.00	15.43 RT	WOOD POLE	25 FT	8 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L05-WP	SE CORNER OF WOODBURY DRIVE & GIST AVENUE			14+77.80	15.61 RT	WOOD POLE	25 FT	8 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L06-WP	NE CORNER OF WOODBURY DRIVE & GIST AVENUE			15+42.18	47.31 RT	WOOD POLE	25 FT	8 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L07-WP	NW CORNER OF GIST AVENUE & WOODBURY DRIVE			15+42.73	86.59 LT	WOOD POLE	25 FT	8 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L08-WP	E/S WOODBURY DRIVE N/O GIST AVENUE			16+13.36	14.43 RT	WOOD POLE	25 FT	8 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L09-WP	SE CORNER OF WOODBURY DRIVE & SLIGO AVENUE			17+51.03	16.71 RT	WOOD POLE	25 FT	8 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L10-WP	SW CORNER OF SLIGO AVENUE & GROVE STREET			23+43.61	17.35 RT	WOOD POLE	25 FT	15 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L11-WP	NW CORNER OF SILVER SPRING AVENUE & GROVE STREET			106+08.86	22.64 LT	WOOD POLE	25 FT	8 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L12-PP	SE CORNER OF SILVER SPRING AVENUE & GROVE STREET			105+72.69	24.02 RT	PENDANT POLE	28.5 FT	8 FT	LED	100	COBRAHEAD	INSTALL NEW POLE, LIGHTING ARM AND FIXTURE
L13-WP	NW CORNER OF GROVE STREET AND RIPLEY STREET			108+36.74	18.43 LT	WOOD POLE	25 FT	4 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L14-WP	SW CORNER OF GROVE STREET AND THAYER AVENUE			110+58.72	16.28 LT	WOOD POLE	25 FT	8 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L15-PP	NE CORNER OF GROVE STREET AND THAYER AVENUE			110+81.05	21.23 RT	PENDANT POLE	28.5 FT	8 FT	LED	100	COBRAHEAD	INSTALL NEW POLE, LIGHTING ARM AND FIXTURE
L16-WP	SW CORNER OF GROVE STREET & EASLEY STREET			114+04.48	14.87 LT	WOOD POLE	25 FT	15 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L17-WP	SW CORNER OF GROVE STREET AND BONIFANT STREET			118+63.41	13.65 LT	WOOD POLE	25 FT	15 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L18-PP	SE CORNER OF GROVE STREET AND BONIFANT STREET			42+19.03	17.58 RT	PENDANT POLE	28.5 FT	8 FT	LED	100	COBRAHEAD	INSTALL NEW POLE, LIGHTING ARM AND FIXTURE
L19-WP	N/S BONIFANT STREET E/O GROVE STREET			42+80.78	14.45 RT	WOOD POLE	25 FT	8 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, INSTALL LIGHTING ARM AND FIXTURE
L20-PP	NW CORNER OF CEDAR STREET & BONIFANT STREET			47+30.37	17.78 LT	PENDANT POLE	28.5 FT	8 FT	LED	100	COBRAHEAD	INSTALL NEW POLE, LIGHTING ARM AND FIXTURE
L21-PP	W/S CEDAR STREET N/O BONIFANT STREET			51+41.49	15.00 LT	PENDANT POLE	28.5 FT	8 FT	LED	100	COBRAHEAD	INSTALL NEW POLE, LIGHTING ARM AND FIXTURE
L22-PP	SW CORNER OF CEDAR STREET & BONIFANT STREET			210+63.08	12.68 RT	PENDANT POLE	28.5 FT	8 FT	LED	100	COBRAHEAD	INSTALL NEW POLE, LIGHTING ARM AND FIXTURE
L23-WP	SE CORNER OF CEDAR STREET & BONIFANT STREET			50+63.86	24.46 RT	WOOD POLE	25 FT	4 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L24-WP	NE CORNER OF CEDAR STREET & DARTMOUTH AVENUE			51+94.18	23.28 RT	WOOD POLE	25 FT	4 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L25-WP	S/S THAYER AVENUE S/O HOUSTON STREET			200+09.17	16.04 LT	WOOD POLE	25 FT	4 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L26-WP	W/S HOUSTON STREET N/O THAYER AVENUE			200+71.65	11.11 LT	WOOD POLE	25 FT	8 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, INSTALL LIGHTING ARM AND FIXTURE
L27-WP	SE CORNER OF HOUSTON STREET & EASLEY STREET			203+52.29	12.54 RT	WOOD POLE	25 FT	4 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE
L28-WP	E/S HOUSTON STREET E/O HANKIN STREET STREET			208+37.22	16.44 RT	WOOD POLE	25 FT	4 FT	LED	100	COBRAHEAD	EXISTING WOOD POLE TO REMAIN, REPLACE LIGHTING ARM AND FIXTURE

LT-23

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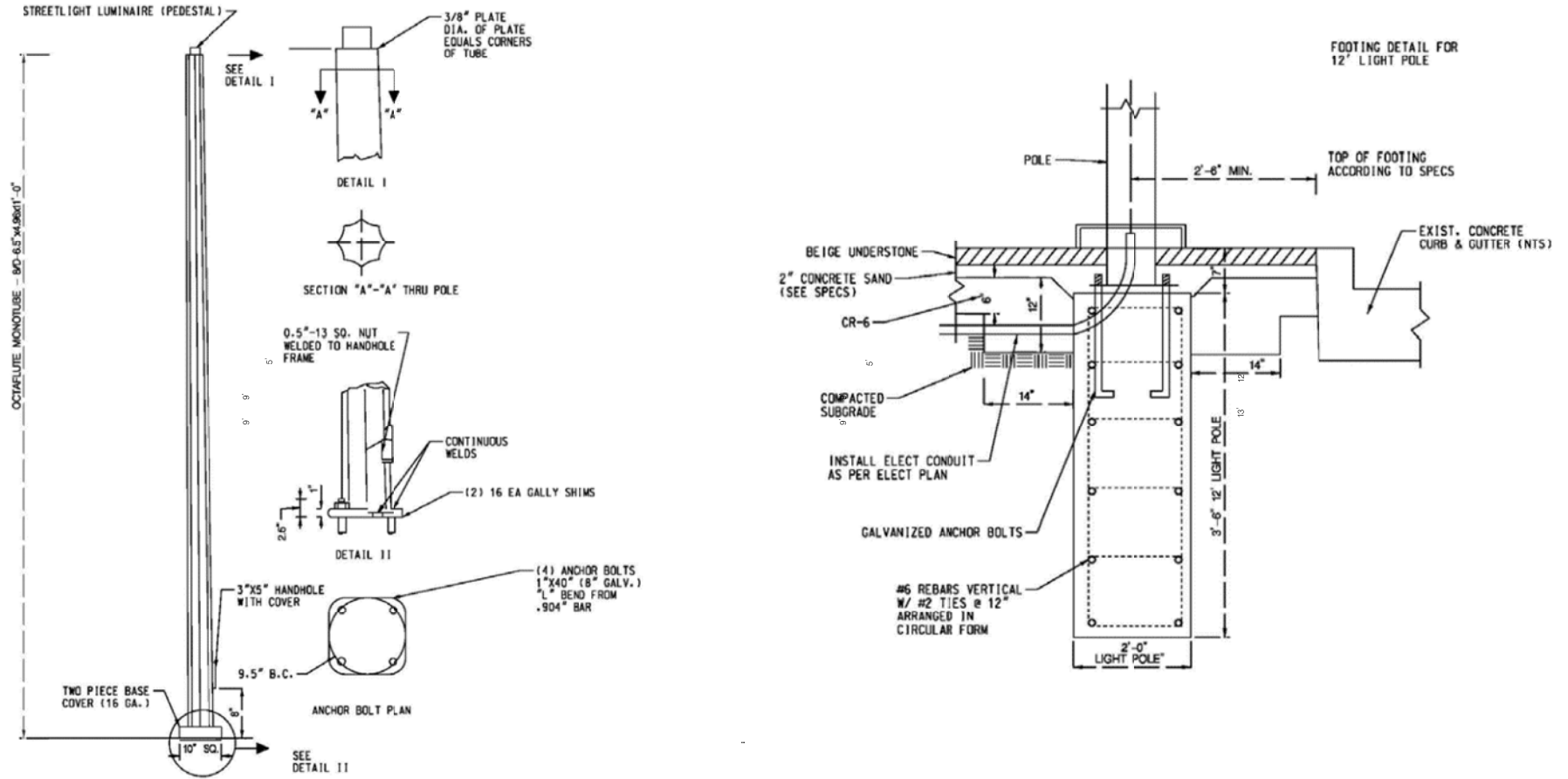
BPPA
Bicycle and Pedestrian Priority Areas

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EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT TABLES

SCALE: NTS SHEET 100 of 113

Attachment A: Corridor Engineering Drawings



LT-24

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EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 STREETLIGHT DETAILS

SCALE: NTS SHEET 101 of 113

5/21/2024 P:\80950-stantec-east silver spring neighborhood greenway Lighting_Sheets\p1-FOOT_Details-ESSNGreenway.dgn

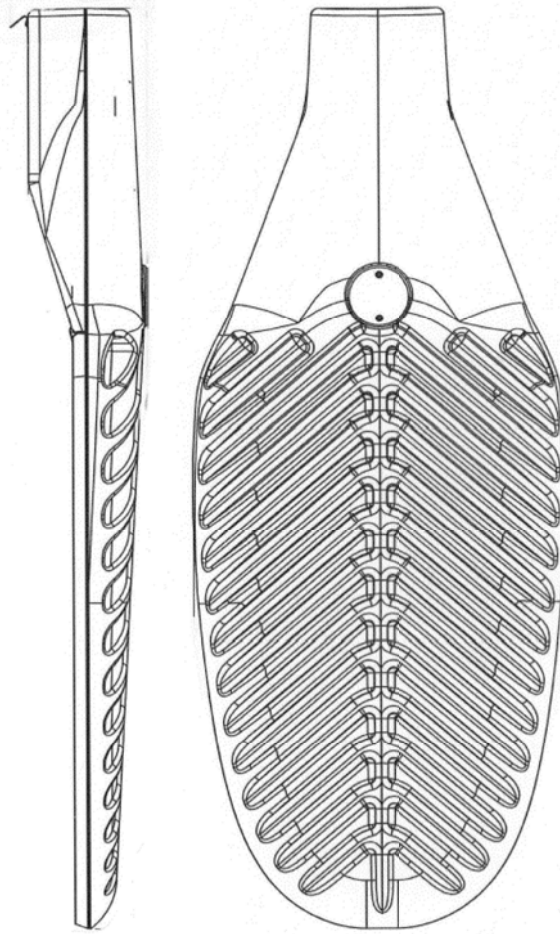
Precision Systems, Inc.
 Engineers, Planners and Architects
 WASHINGTON, D.C. (202) 686-6225 www.dpsai.com

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BPPA
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ROADWAY COBRA-HEAD (PENDANT) FIXTURE

LT-25

5/21/2024 P:\80950-stantec-east silver spring neighborhood greenway\Lighting_Sheets\pl-T-0002_Details-ESSNGreenway.dgn

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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
STREETLIGHT DETAILS

SCALE: NTS

SHEET 102 of 113



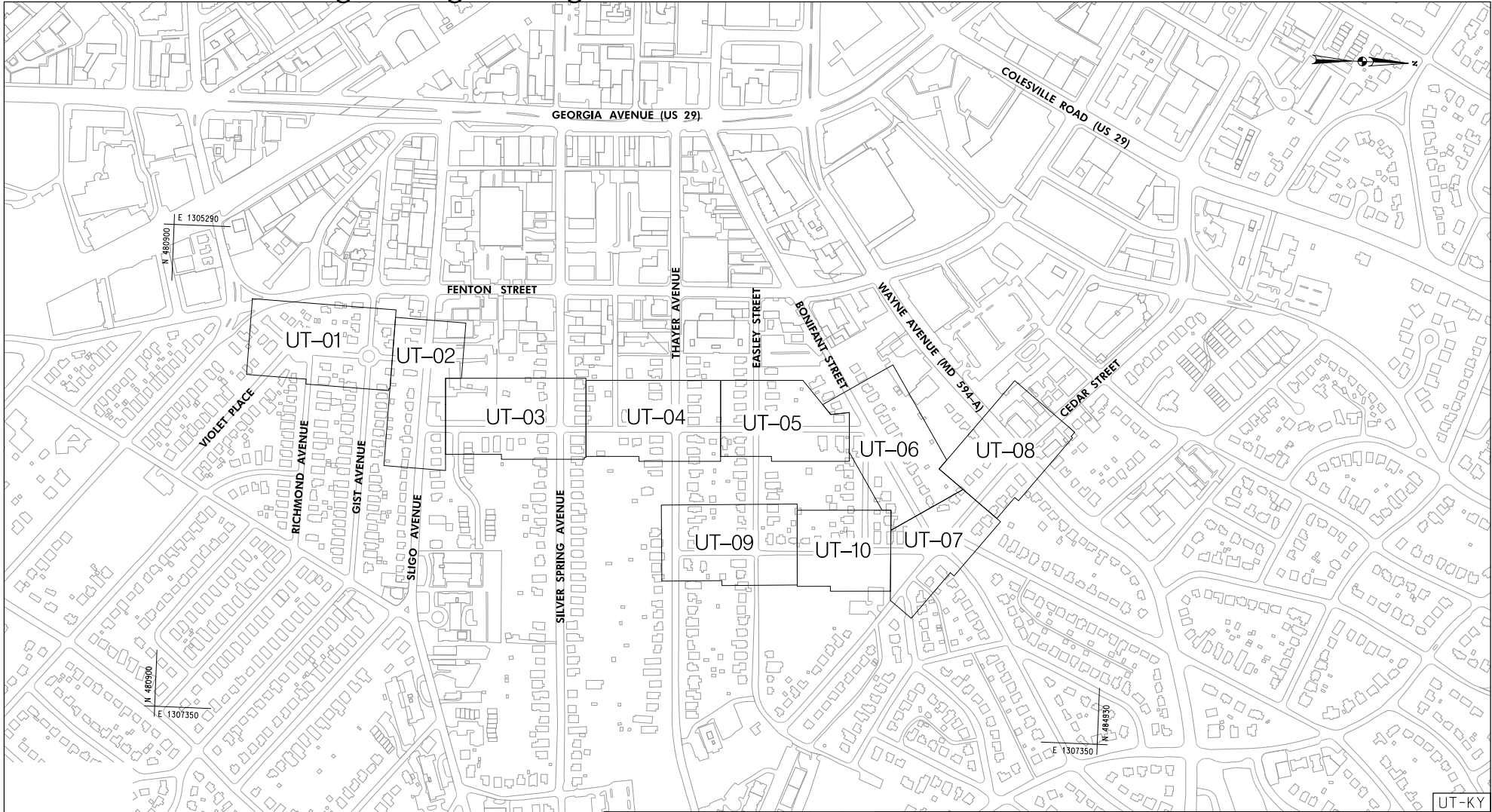
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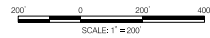
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Attachment A: Corridor Engineering Drawings



UT-KY



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					DRAWING NO.:	DATE:
					RECOMMENDED FOR APPROVAL	
					Chief, Design Section	Date
					APPROVED	
					Chief, Division of Transportation Engineering	Date

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EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
UTILITY PLAN KEY

SCALE: 1"=200'

SHEET 103 of 113

5/22/2024 \\L16527-F01\shared\projects\2026\2312\T00_CADD\T00_Sheet\UT-KEY_LESS\Greenway.dgn

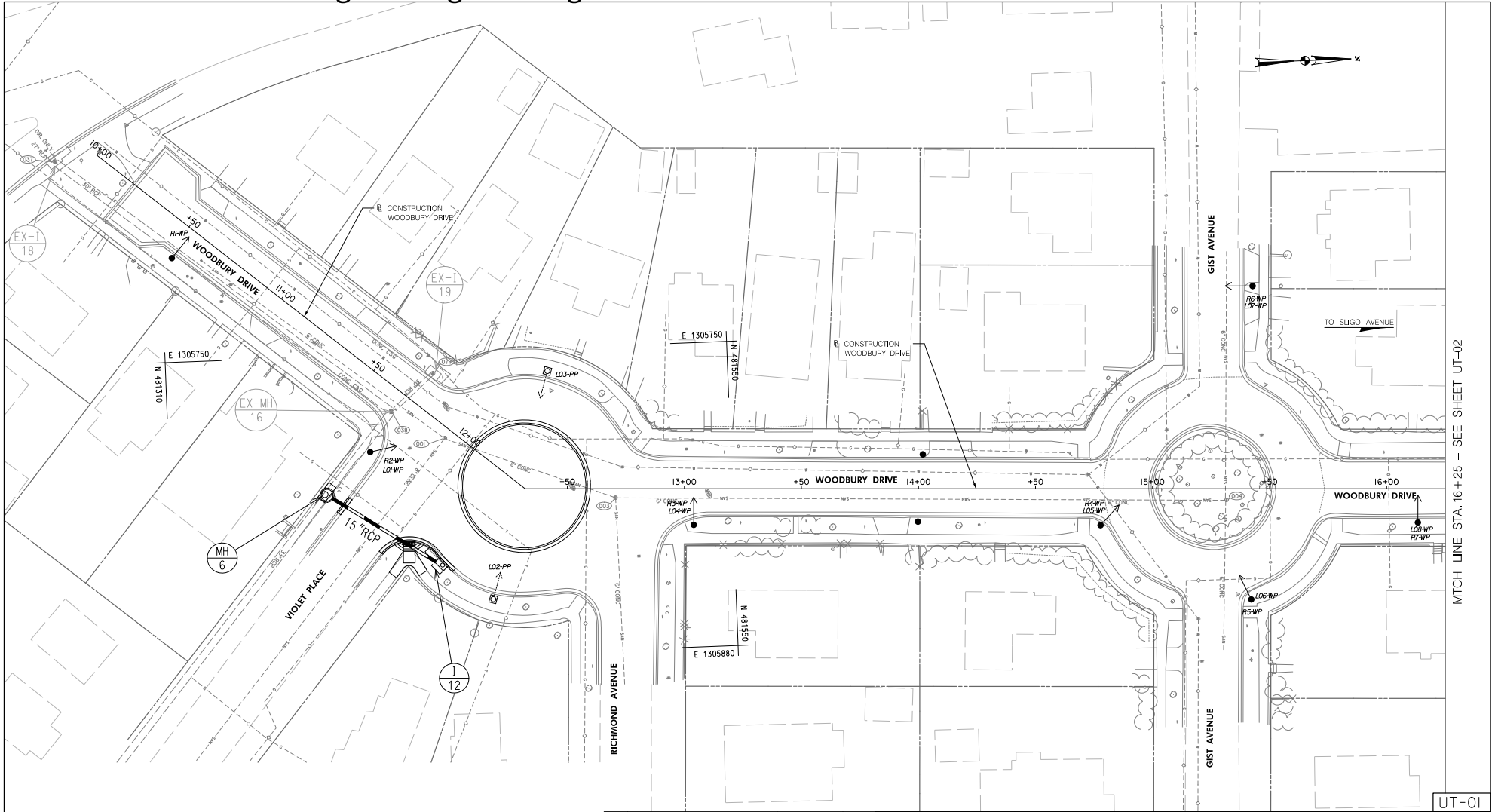
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Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 16+25 - SEE SHEET UT-02

UT-01

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EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
UTILITY PLAN

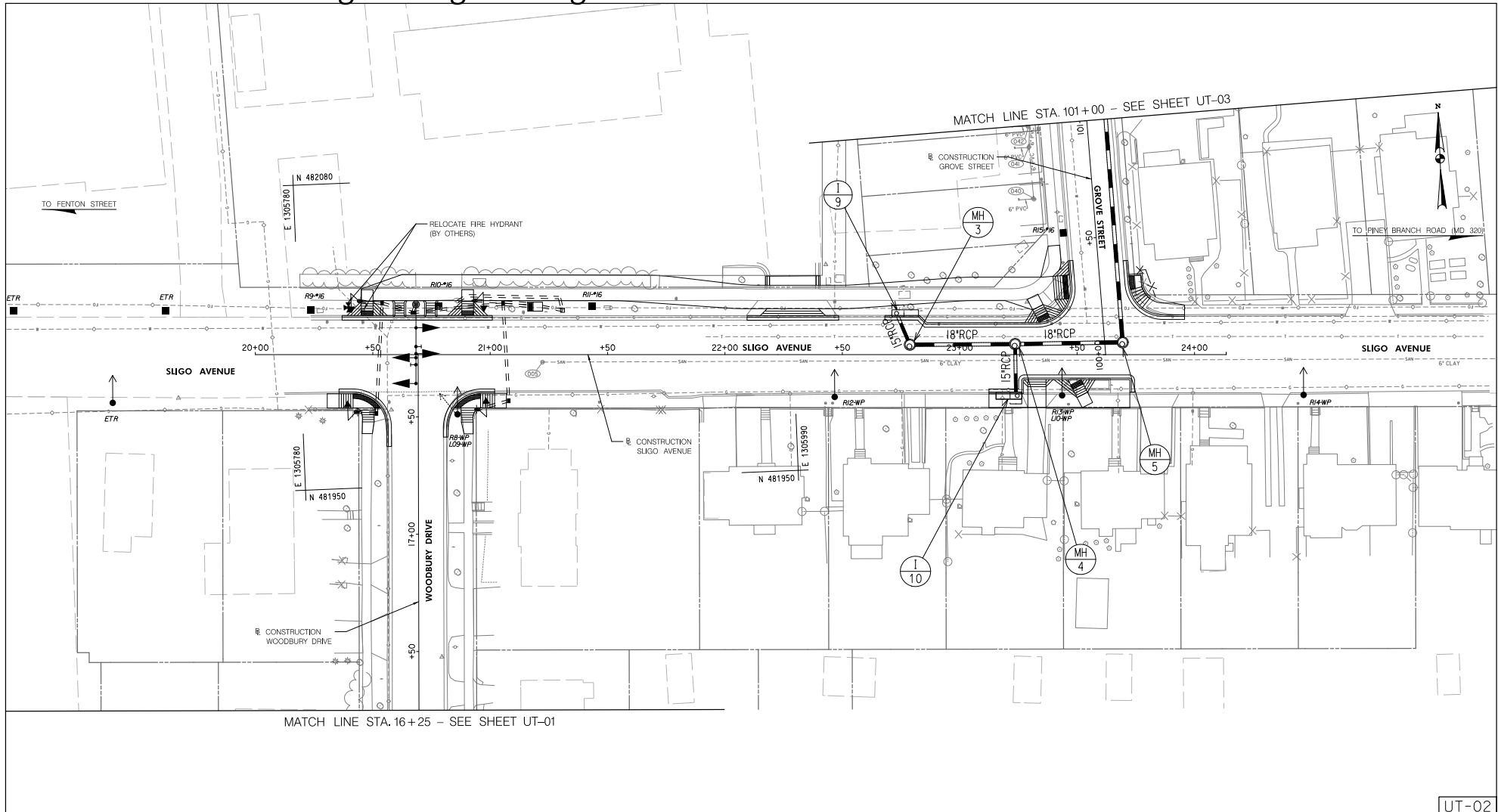
SCALE: 1"=20' SHEET 104 of 113

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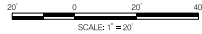
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UT-02



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EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
UTILITY PLAN

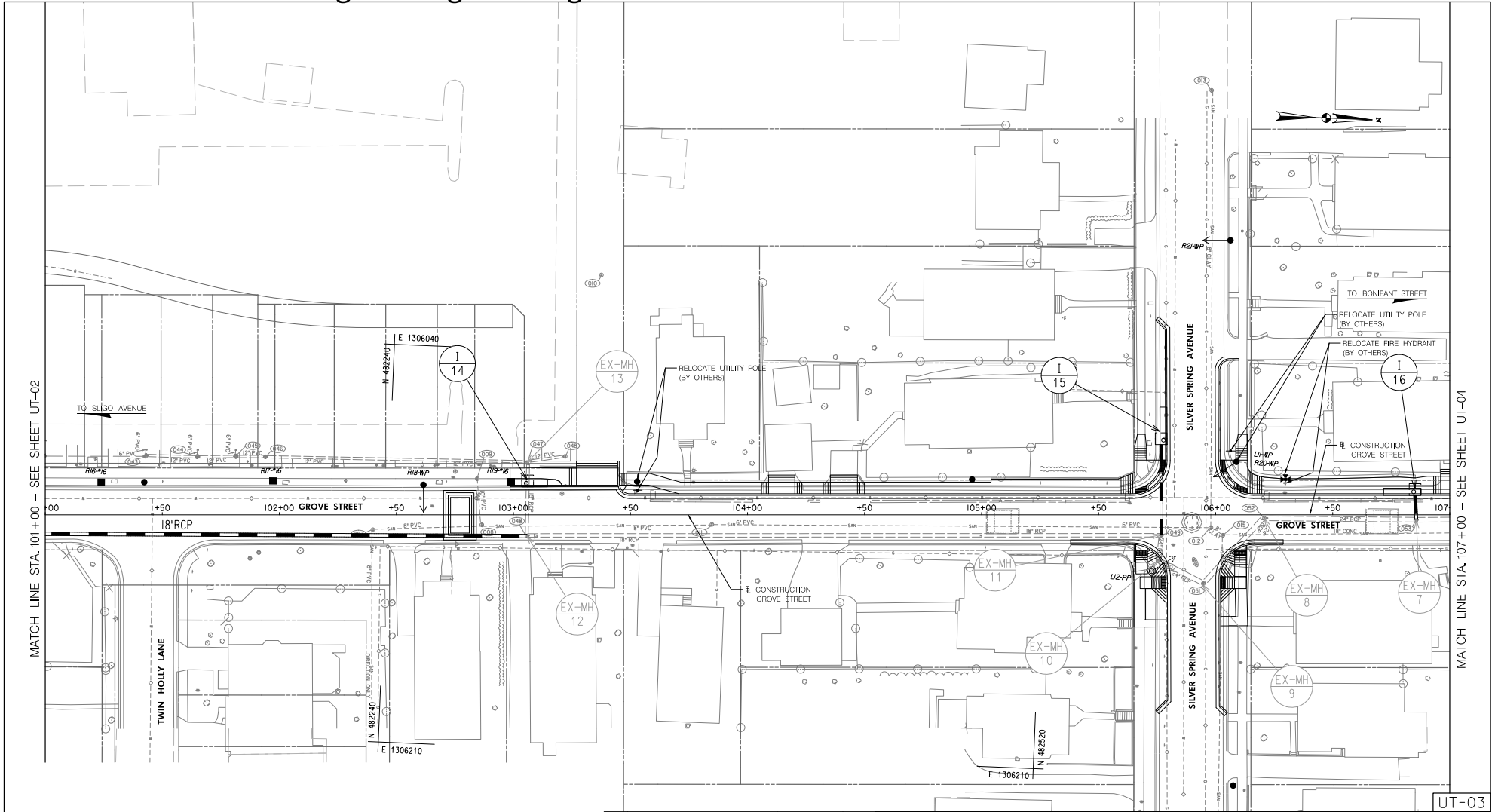
SCALE: 1"=20' SHEET 105 of 113

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Attachment A: Corridor Engineering Drawings



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

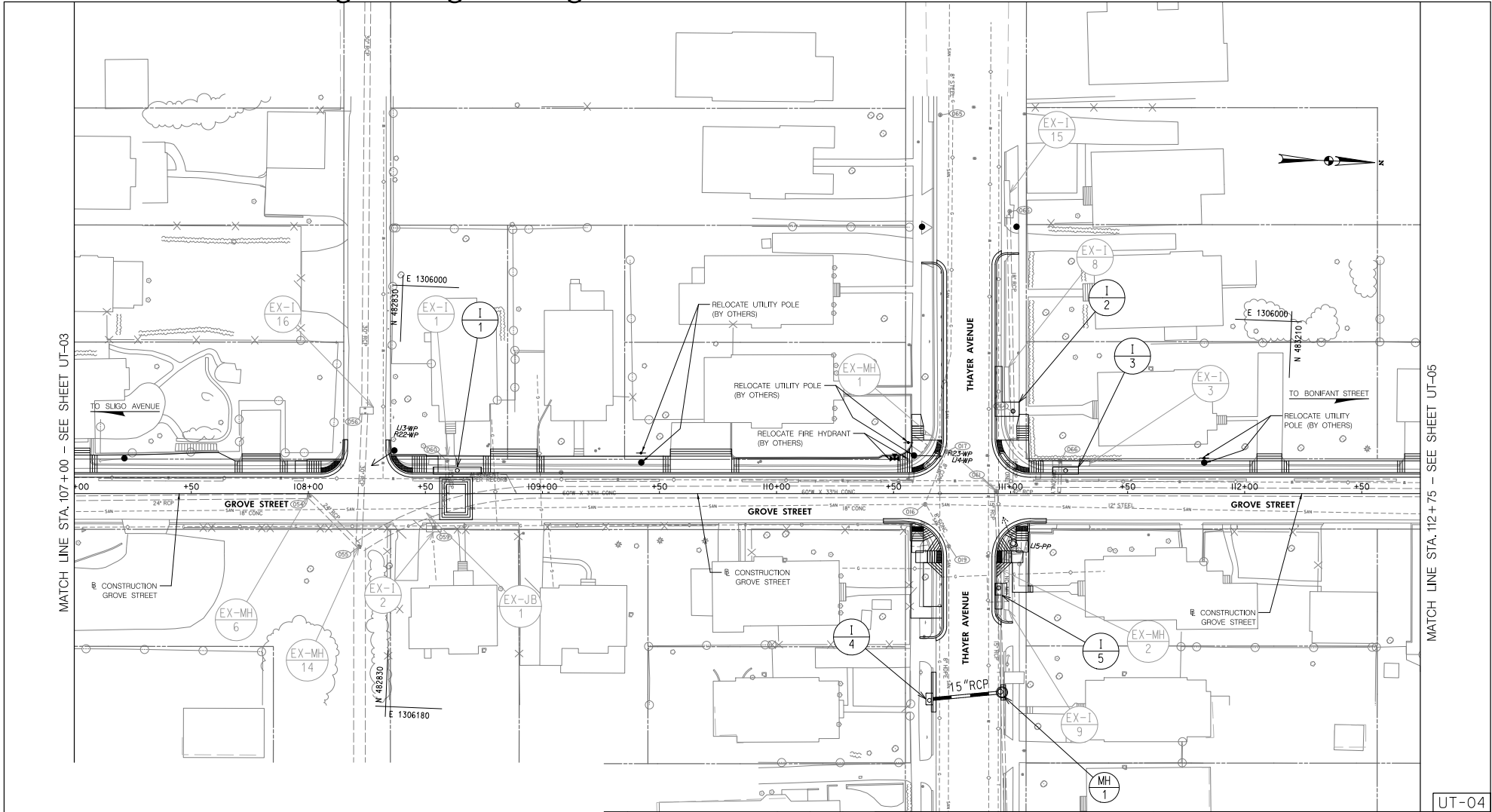
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EAST SILVER SPRING
 NEIGHBORHOOD GREENWAY
 UTILITY PLAN

SCALE: 1"=20'

SHEET 106 of 113

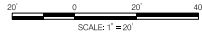
Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 107+00 - SEE SHEET UT-03

MATCH LINE STA. 112+75 - SEE SHEET UT-05

UT-04



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NEIGHBORHOOD GREENWAY
UTILITY PLAN

SCALE: 1"=20' SHEET 107 of 113

5/22/2024 \\lbf527-f01\shared\projects\20262312\T00_CADD\T00_Sheet\UT-P004.ESS\Greenway.dgn

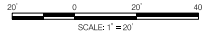
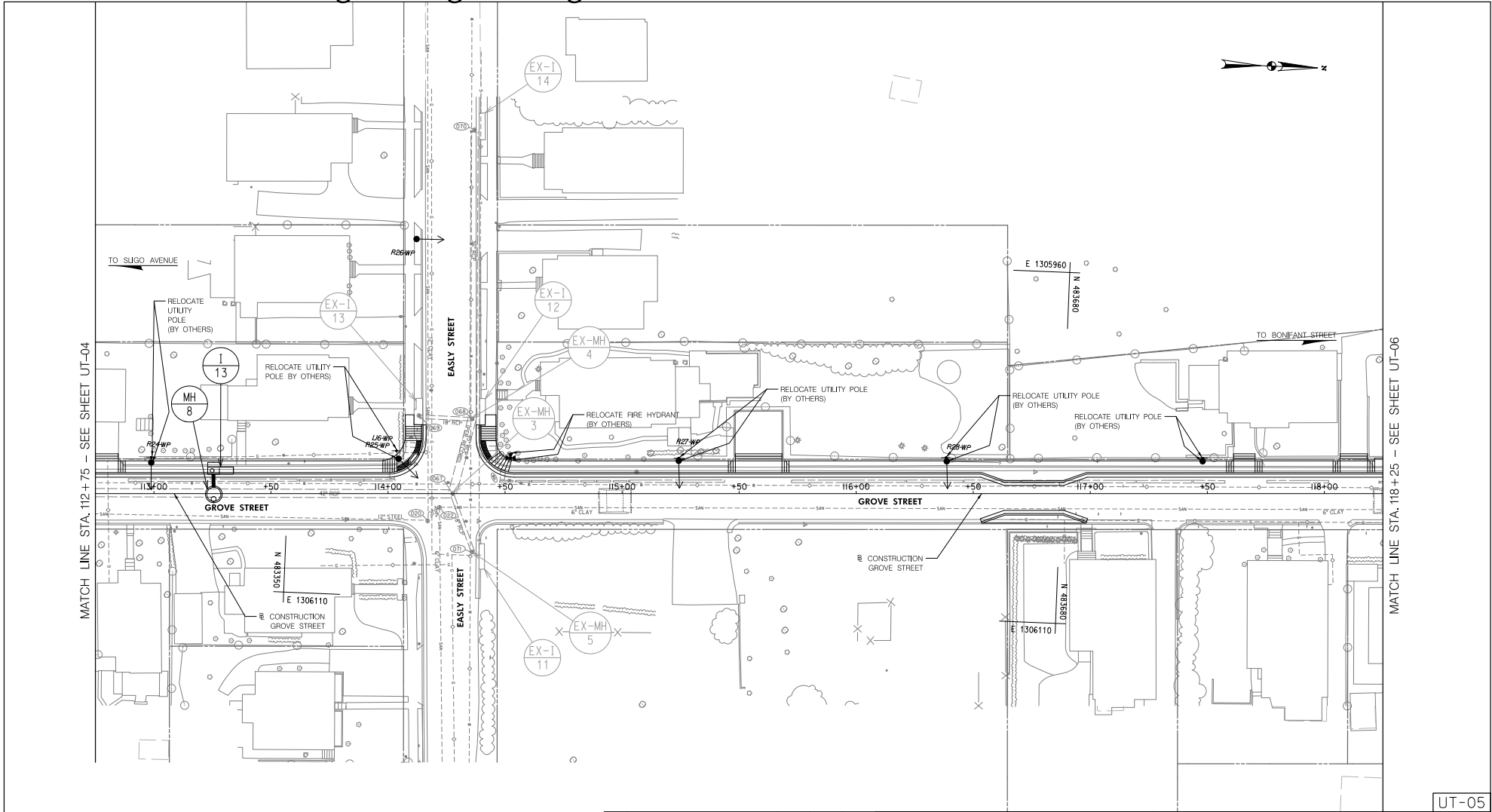
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UT-05

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					Chief, Division of Transportation Engineering	Date

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EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
UTILITY PLAN

SCALE: 1"=20' SHEET 108 of 113

5/22/2024 \\lbf527-f01\shared\projects\202623125\T00_CADD\T00_Sheet\AUT-P005.ESS\Greenway.dgn

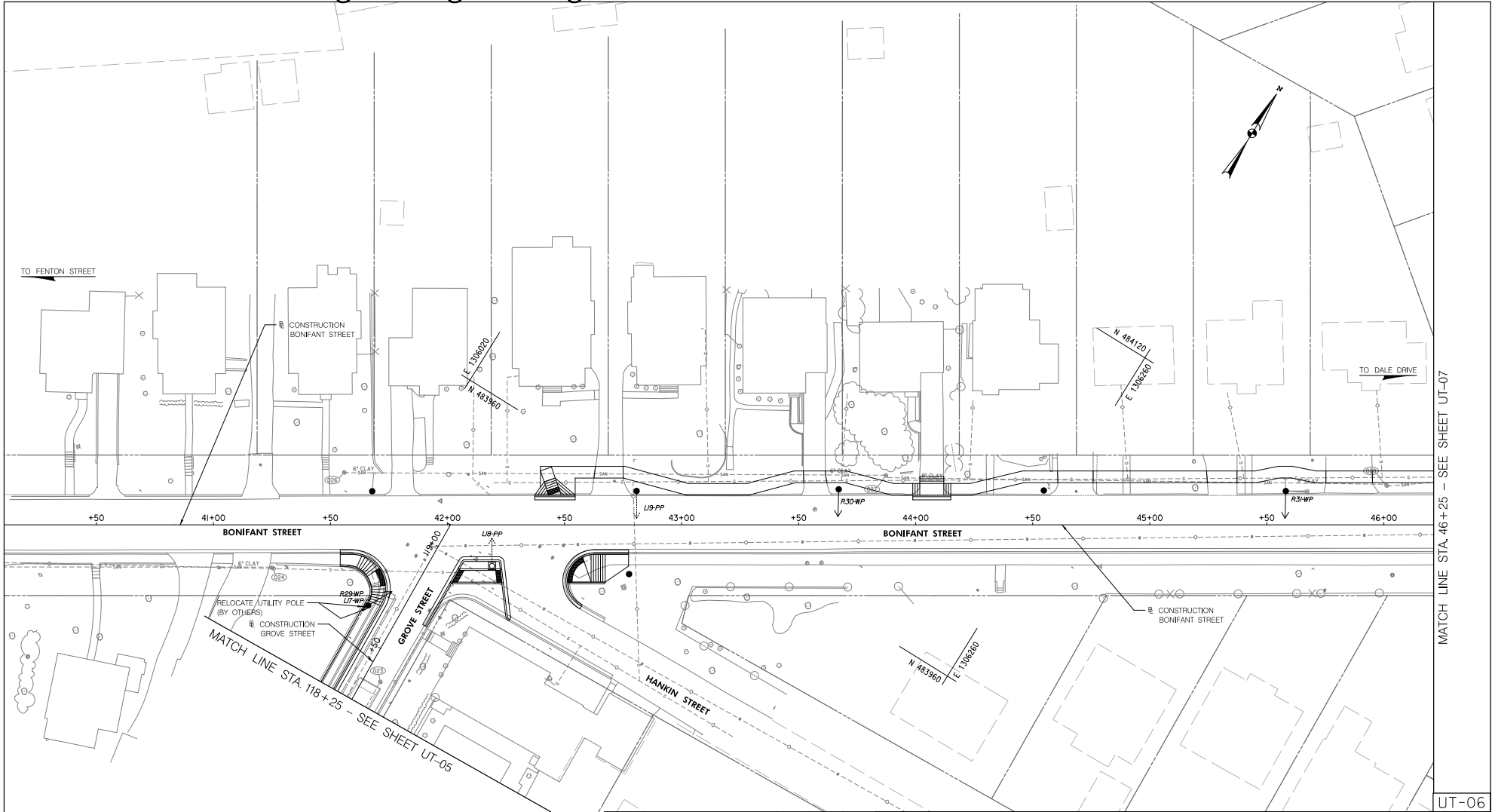
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Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 46 + 25 - SEE SHEET UT-07

UT-06

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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
UTILITY PLAN

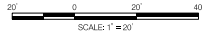
SCALE: 1"=20' SHEET 103 of 113

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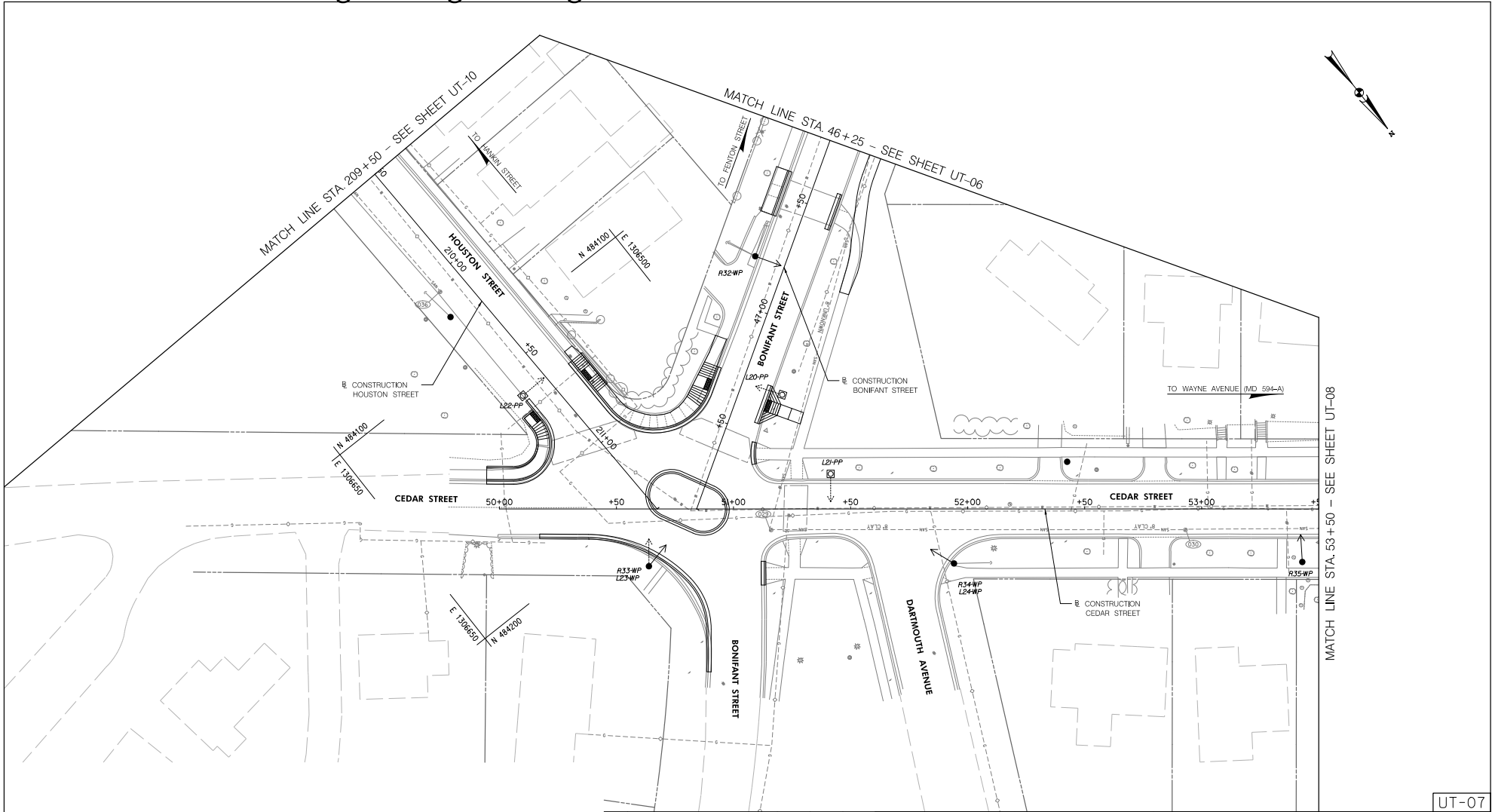
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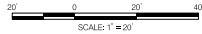
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UT-07



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EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
UTILITY PLAN

SCALE: 1"=20' SHEET 110 of 113

5/22/2024 \\lbf527-f01\shared\projects\20262312\TOD_CADD\TOD_Sheet\AUT-P007-LESSINGreenway.dgn

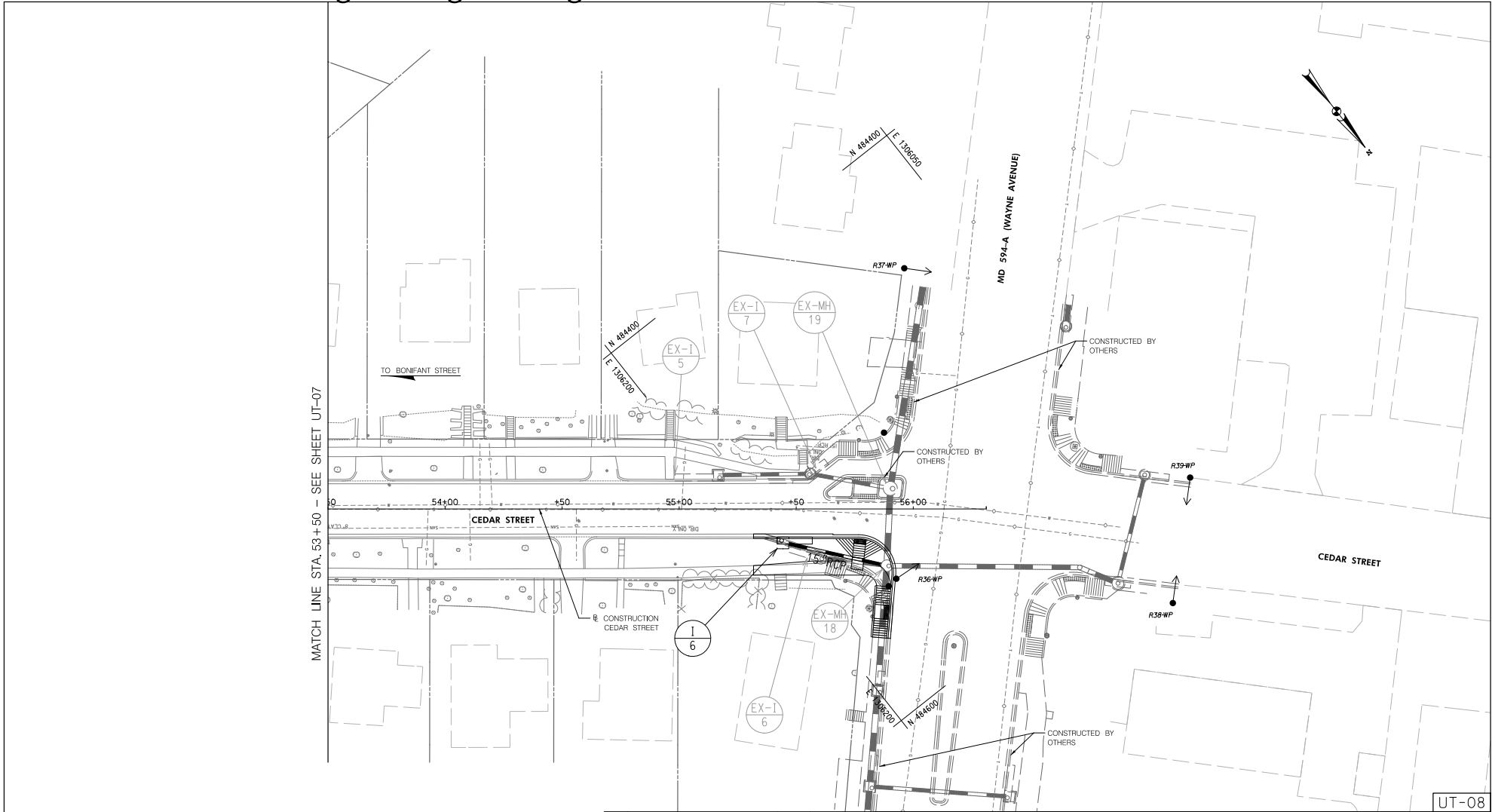
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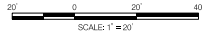
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Attachment A: Corridor Engineering Drawings



UT-08



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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
UTILITY PLAN

SCALE: 1"=20'

SHEET III of III

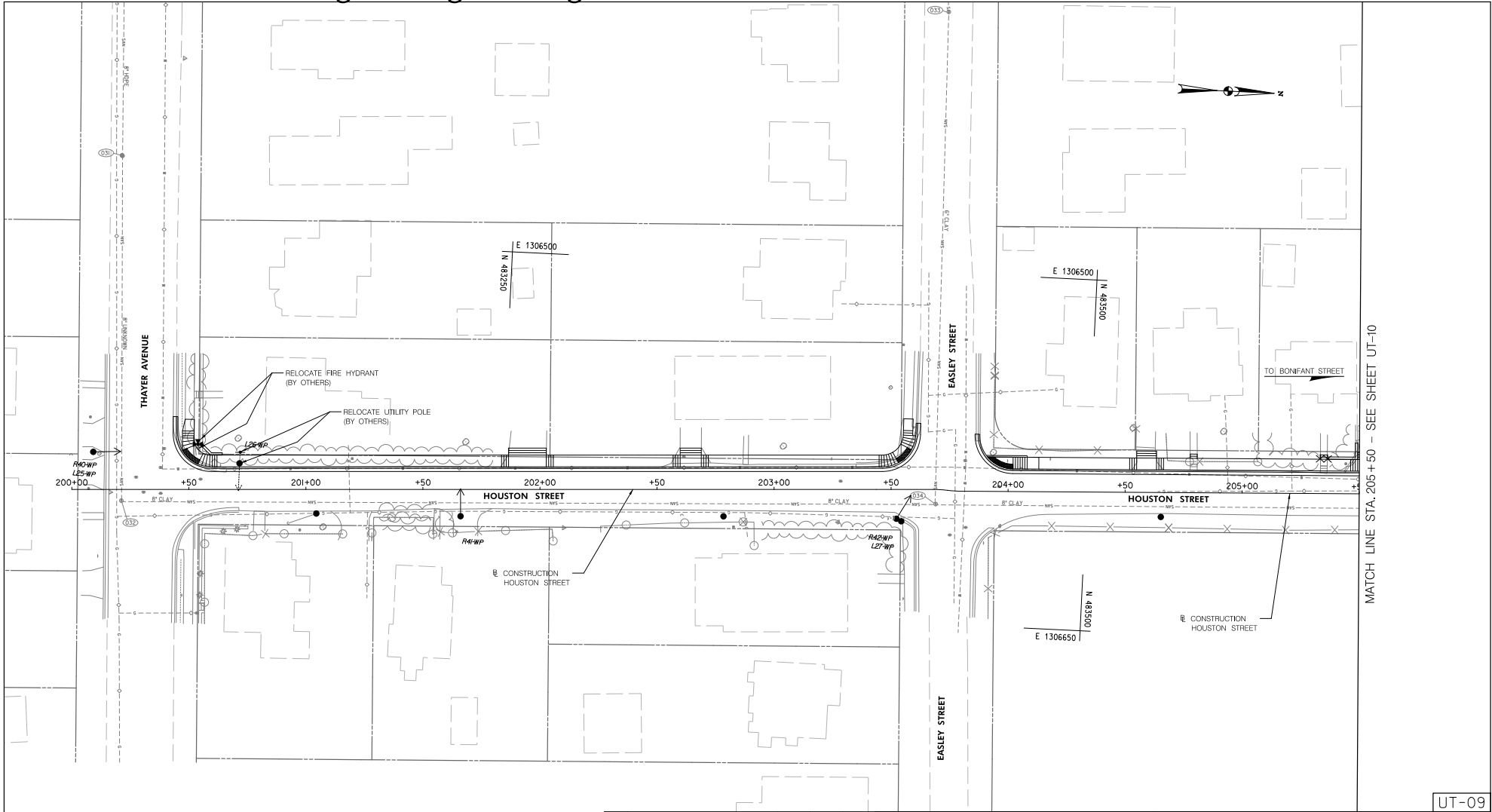
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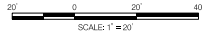
Attachment A: Corridor Engineering Drawings



MATCH LINE STA. 205+50 - SEE SHEET UT-10

UT-09

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DESIGNED BY: DHM III	DATE: MAY, 2024
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Chief, Division of Transportation Engineering	Date

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MONTGOMERY COUNTY, MARYLAND

EAST SILVER SPRING
NEIGHBORHOOD GREENWAY
UTILITY PLAN

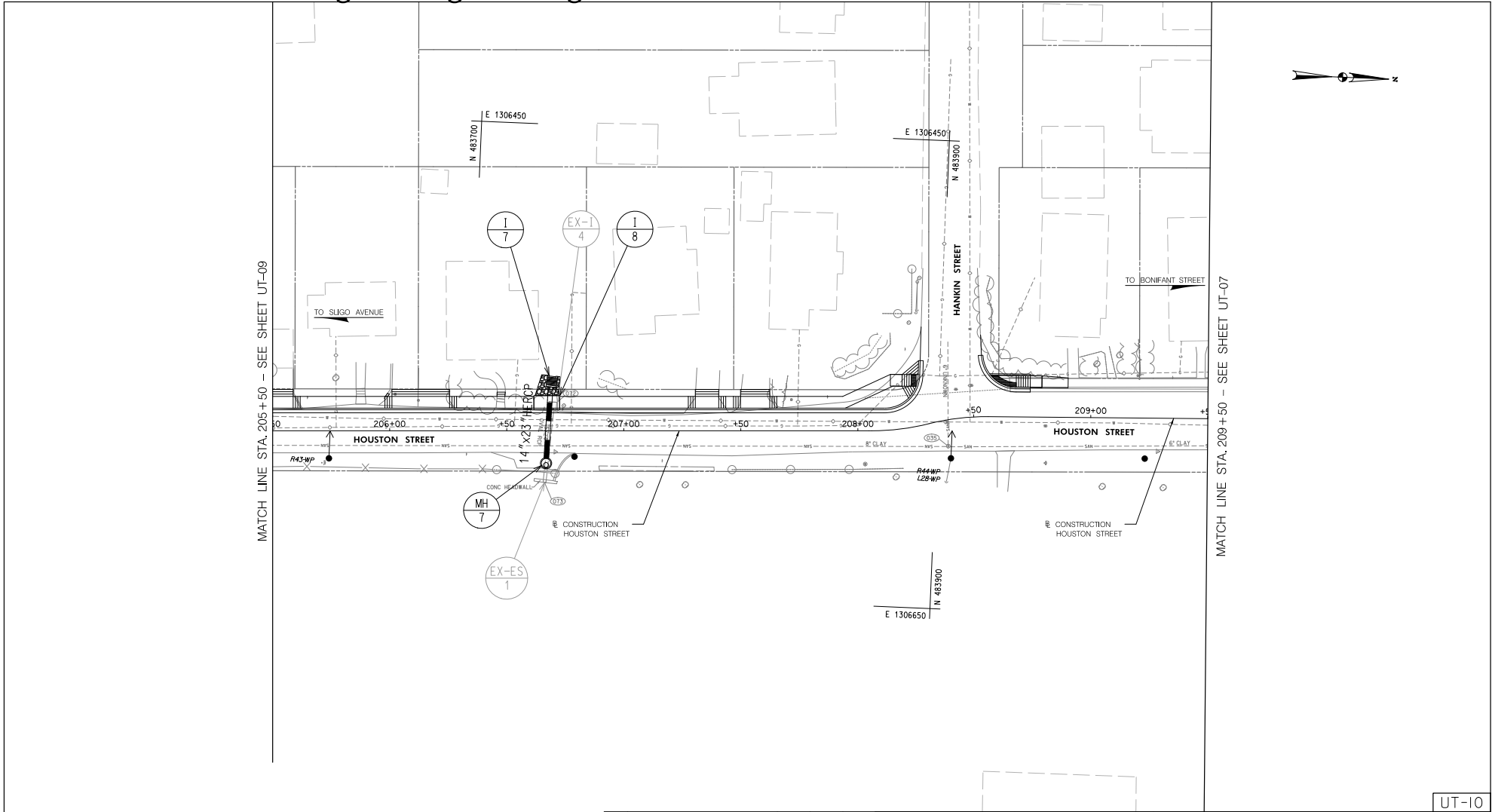
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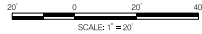


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Attachment A: Corridor Engineering Drawings



UT-10



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Chief, Division of Transportation Engineering						Date

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EAST SILVER SPRING
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SCALE: 1"=20'

SHEET 113 of 113

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