



HISTORIC PRESERVATION COMMISSION

Marc Elrich
County Executive

Sandra I. Heiler
Chairman

Date: February 27, 2020

MEMORANDUM

TO: Hadi Mansouri
Department of Permitting Services

FROM: Brian Crane
Historic Preservation Section
Maryland-National Capital Park & Planning Commission

SUBJECT: Historic Area Work Permit # 902404: Construction of a box culvert and other sitework

The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was **approved** at the February 12, 2020 HPC meeting.

The HPC staff has reviewed and stamped the attached construction drawings.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant: MCDOT for Patricia Shepherd
Address: 15910 Emory Lane, Rockville

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once work is complete the applicant will contact Brian Crane at 301.563.3402 or brian.crane@montgomeryplanning.org to schedule a follow-up site visit.



APPROVED
By Brian.Crane at 12:56 pm, Feb 27, 2020

TO MUNCASTER MILL ROAD

TO GEORGIA AVENUE

Nathan Shaw House (M: 23-111)
property boundary line

Limits of Disturbance on Nathan Shaw
House (M: 23-111) property

STAGING & STOCKPILE AREA
MAX SLOPE = 2:1
MAX HEIGHT = 20'

MATCH LINE STA. 11+50 - SEE SHEET ES-02 (SC007)

MATCH LINE STA. 17+00 - SEE SHEET ES-05 (SC009)

LEGEND	
	STABILIZED CONSTRUCTION ENTRANCE
	LIMIT OF DISTURBANCE
	DIVERSION FENCE
	TEMPORARY GABION OUTLET STRUCTURE
	TEMPORARY STONE OUTLET STRUCTURE
	RIPRAP FOR SEDIMENT CONTROL
	MOUNTABLE BERM
	STAGING/STOCKPILE AREA
	SAME-DAY STABILIZATION
	MEDIAN INLET PROTECTION
	TREE PROTECTION FENCE
	EXISTING TREE LINE / CANOPY COVER
	ROW LINE
	EX STORM DRAIN PIPE
	TREE REMOVAL
	EX TREE TO REMAIN
	EX CONTOUR
	PROPOSED TYPE K INLET
	PROP STORM DRAIN PIPE
	PROPOSED END SECTION
	PROP CONTOUR
	PROPOSED DRAINAGE DITCH
	FINE MILLING AND RESURFACING
	PAVEMENT CONVERSION TO OPEN SPACE
	SIGNIFICANT/SPECIMEN (>24" DBH) OR ROADSIDE TREE w/CRITICAL ROOT ZONE

NOTES

- WHERE NO SCE IS PROVIDED CONTRACTOR SHALL DESIGNATE PIECES OF CONSTRUCTION EQUIPMENT WITHIN THE LOD THIS EQUIPMENT SHALL BE KEPT WITHIN THE LOD UNTIL THE PROPOSED WORK IS COMPLETE AND SHALL HAVE TREADS/TIRES CLEANED PRIOR TO LEAVING THE LOD
- ALL STAGING AND STOCKPILING MUST BE WITHIN THE LOD SEDIMENT CONTROL FOR THE STAGING/STOCKPILE AREA MUST BE PROVIDED IF NEEDED OR AS DIRECTED BY THE SEDIMENT CONTROL INSPECTOR
- ALL SIGNIFICANT TREES WITHIN THE LOD SHALL BE REMOVED AND WILL NOT BE SHOWN WITH A REMOVAL SYMBOL ("X") FOR VISUAL CLARITY
- TREE PROTECTION FENCE (TPF) TO BE PLACED ALONG THE LOD TPF IS OFFSET FROM LOD FOR VISUAL CLARITY.

OWNER / ADDRESS:
MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE
GAITHERSBURG, MARYLAND

CONTACT:
PATRICIA SHEPHERD
PATRICIA.SHEPHERD@MONTGOMERYCOUNTY.MD.GOV
MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
240-777-7231

APPROVED
Montgomery County
Historic Preservation Commission

Sandra Skiles

APPROVED
By Brian Crane at 2:48 pm, Feb 27, 2020

SCSWM 09 OF 12 DWG ES-04

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION ROCKVILLE, MARYLAND	
RECOMMENDED FOR APPROVAL	Date
Chief, Transportation Planning and Design Section	
Chief, Division of Transportation Engineering	
DESIGNED BY: LMG	DRAWN BY: LMG
CHECKED BY: SRP	

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION DIVISION OF TRANSPORTATION ENGINEERING MUNCASTER MILL ROAD / EMORY LANE SHARED USE PATH	
EROSION AND SEDIMENT CONTROL PLAN	
SCALE 1" = 20'	DATE AUGUST 2019
SHEET NO. 45 OF 80	

PLOTTED: Tuesday, September 10, 2019, 11:43 AM
 FILE: \\vms004\proj\2019\12184 - MCASTER Mill Rd - Emory Lane STA. 11+50 TO 17+00 - Erosion Control.dwg
 Responsive People | Creative Solutions

P 410 728 2900
700 E Pratt Street, Suite 500 | Baltimore, MD 21202
Engineers | Construction Managers | Planners | Scientists
www.rk.com

INDEX OF SHEETS

SHEET NO.	DRAWING NO.	SHEET NAME
1	TI-01	TITLE SHEET
2	AB-01	GENERAL NOTES, ABBREVIATIONS AND LEGEND
3-4	GS-01	GEOMETRY SHEET
5-8	HT-01 - HT-04	TYPICAL SECTIONS
9	DT-01	PAVEMENT DETAILS
10-15	PS-01 - PS-06	ROADWAY PLAN
16-22	PR-01 - PR-07	ROADWAY PROFILES
23	DD-01 - DD-02	DRAINAGE DETAILS
24-27	DP-01 - DP-03	DRAINAGE PROFILES
28	TCP-01	TRAFFIC CONTROL PLAN - NOTES
29-30	TCP-02 - TCP-03	TRAFFIC CONTROL PLAN - PHASE 1
31-34	TCP-04 - TCP-07	TRAFFIC CONTROL PLAN - PHASE 2A
35-36	TCP-08 - TCP-09	TRAFFIC CONTROL PLAN - PHASE 2B
37-38	TCP-10 - TCP-11	TRAFFIC CONTROL PLAN - PHASE 3
39-41	EN-01 - EN-03	EROSION AND SEDIMENT CONTROL NOTES
42-47	ES-01 - ES-06	EROSION AND SEDIMENT CONTROL PLAN
48	ST-01	STRUCTURAL GENERAL NOTES
49-50	ST-02 - ST-03	HEADWALL/WINGWALL DETAILS
51	ST-04	CULVERT DETAILS
52	ST-05	GUARDRAIL CONNECTION DETAILS
53	SG-01	TRAFFIC SIGNAL PLAN
54	SG-02	TRAFFIC SIGNAL GENERAL INFORMATION
55-56	SG-03 - SG-04	TRAFFIC SIGNAL INTERCONNECT PLAN
57	SN-01	SIGNING AND PAVEMENT MARKING GENERAL NOTES
58-63	SN-02 - SN-07	SIGNING AND PAVEMENT MARKING PLAN
64	SN-08	SIGNING AND PAVEMENT MARKING QUANTITY TABULATION
65	LT-01	LIGHTING GENERAL NOTES AND DETAILS
66	LT-02	LIGHTING PHOTOMETRICS
67-69	LT-03 - LT-05	LIGHTING PLAN SHEETS
70	TS-KEY	TREE SAVE KEY SHEET
71-76	TS-01 - TS-06	TREE SAVE PLAN
77-79	TS-07 - TS-09	TREE SAVE DETAILS AND NOTES
80	GR-01	GRADING TABLE AND SUMMARY OF EARTHWORK

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 M-NCPPC PROPERTY AT THEIR EXPENSE. ALL UTILITIES SHOWN ON THE PLANS ARE PROVIDED FOR INFORMATION ONLY AND SHALL BE CONSIDERED APPROXIMATE. M-NCPPC 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.

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION

MUNCASTER MILL ROAD / EMORY LANE
SHARED USE PATH

C.I.P. CONTRACT NO. 0507596

APPROVED
Montgomery County
Historic Preservation Commission
Sandra J. Heiler

APPROVED
By Brian.Crane at 2:48 pm, Feb 27, 2020

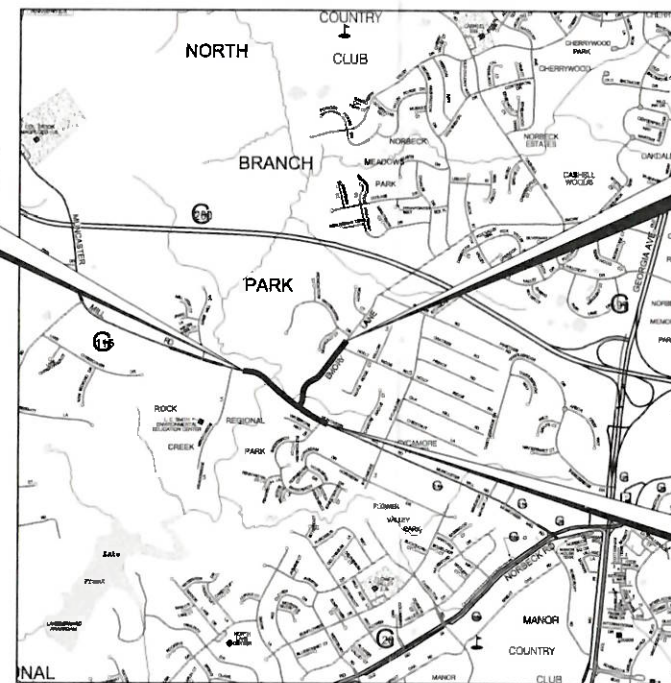
MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:		NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT
STORMWATER MANAGEMENT	SEDIMENT CONTROL TECHNICAL REQUIREMENTS:	ADMINISTRATIVE REQUIREMENTS:
REVIEWED DATE	REVIEWED DATE	REVIEWED DATE
APPROVED DATE	APPROVED DATE	SEDIMENT CONTROL PERMIT NO.
SCALE NO.		MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL. IF THE PROJECT HAS NOT STARTED, UNLESS THE PERMIT HAS BEEN EXTENDED.

DPS approval of a sediment control or stormwater management plan is for demonstrated compliance with minimum environmental runoff treatment standards and does not create or imply any right to divert or concentrate runoff onto any adjacent property without that property owner's permission. It does not relieve the design engineer or other responsible person of professional liability or ethical responsibility for the adequacy of the drainage design as it affects uphill or downhill properties.

LIMIT OF WORK
MUNCASTER MILL ROAD
STA. 336 + 50.00

LIMIT OF WORK
EMORY LANE
STA. 27 + 65.00

LIMIT OF WORK
MUNCASTER MILL ROAD
STA. 357 + 70.50



VICINITY MAP
SCALE: 1" = 2,000'

DPS PERMIT NO. XXXXXX

MONTGOMERY COUNTY, MARYLAND
DEPARTMENT OF PERMITTING SERVICES
FINAL APPROVAL
DATE _____
BY _____

95% DESIGN REVIEW
AUGUST 2019

*SUBJECT TO DEDICATION OF RIGHT OF WAY AND EASEMENTS PER COUNTY CODE SECTION 50.

ROADWAY	MUNCASTER MILL RD		EMORY LANE	
	ROADWAY LENGTH (MILES)			
ROADWAY LENGTH (MILES)	0.40		0.33	
CONTROLS YEARS	2017	2030	2017	2030
AVERAGE DAILY TRAFFIC (A.D.T.)	17,572	18,750	6,025	6,860
DESIGN HOURLY VOLUME (D.H.V.)	1,760	1,875	785	890
DIRECTIONAL DISTRIBUTION	50%	50%	49%	51%
% TRUCKS (A.D.T.)	4%	4%	4%	4%
% TRUCKS (D.H.V.)	-	-	-	-
FUNCTIONAL CLASSIFICATION	ARTERIAL		ARTERIAL	
CONTROL OF ACCESS	NONE		NONE	
INTENSITY OF DEVELOPMENT	SUBURBAN		SUBURBAN	
TERRAIN	ROLLING		ROLLING	
DESIGN SPEED (M.P.H.)	40 MPH		30 MPH	
ANTICIPATED POSTED SPEED (M.P.H.)	40 MPH		30 MPH	

RELATED REQUIRED PERMITS					
To be completed by the consultant and placed on the first sheet of the Sediment Control/Stormwater Management plan set for all projects					
IT IS THE RESPONSIBILITY OF PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF THE APPROVED SEDIMENT CONTROL PERMIT:					
TYPE OF PERMIT	REQ'D	NOT REQ'D	PERMIT NO.	EXPIRATION DATE	WORK RESTRICTION DATES
MCDPS Floodplain district		X			
WATERWAYS/WETLAND(S)					
a. Corps of Engineers	X				
b. MDE	X				
c. MDE Water Quality Certification	X				
MDE Dam Safety		X			
Montgomery County/DNR Roadside Tree Care Blanket Permit	X				
Montgomery County Roadside Tree Protection Law Approval	X				
NPDES NOTICE OF INTENT	X				
OTHERS (Please List):		X			
MNCPPC Park Construction Permit		X			
WSSC	X				
Montgomery County Tree Canopy Construction Law Approval		X			

PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE DOCUMENTS WERE APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSION ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 18530
EXPIRATION DATE: 12/15/19



OWNER/ADDRESS:
MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE
GAITHERSBURG, MARYLAND

CONTACT:
PATRICIA SHEPHERD
MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
240-777-7231

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
POCKVILLE, MARYLAND

RECOMMENDED FOR APPROVAL:
Chief Transportation Planning and Design Section
DATE: _____

Checked By: _____
DATE: _____

DESIGNED BY: KBJ DRAWN BY: KBJ CHECKED BY: JCW

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MUNCASTER MILL ROAD / EMORY LANE
SHARED USE PATH

TITLE SHEET

SCALE 1" = 2000' DATE AUGUST 2019

SHEET NO. 1 OF 80



PROJECT: Muncaster Mill Road / Emory Lane Shared Use Path
FILE: Muncaster Mill Road / Emory Lane Shared Use Path - 1000 - Emory Lane



BASELINE CONTROL COORDINATES			
DRIVEWAY 1			
STATION	NORTH	EAST	
POT STA. 100+00.00	528,083.8677	1,284,300.3956	
PC STA. 100+35.28	528,077.9534	1,284,335.1779	
PI STA. 100+45.18	528,076.2937	1,284,344.9390	
PT STA. 100+55.06	528,075.7145	1,284,354.8233	
POT STA. 101+24.28	528,071.6661	1,284,423.9195	

BASELINE CONTROL COORDINATES			
DRIVEWAY 2			
STATION	NORTH	EAST	
POT STA. 120+00.00	528,631.1677	1,284,706.2899	
PC STA. 120+26.75	528,614.5959	1,284,727.2914	
PI STA. 120+40.94	528,606.2828	1,284,738.7909	
PT STA. 120+55.13	528,598.4106	1,284,750.5965	
POT STA. 121+94.27	528,519.0864	1,284,864.9144	

BASELINE CONTROL COORDINATES			
DRIVEWAY 3			
STATION	NORTH	EAST	
POT STA. 140+00.00	528,761.5207	1,284,806.2634	
PC STA. 140+51.11	528,731.0412	1,284,847.2856	
PI STA. 140+69.16	528,720.2713	1,284,861.7808	
PT STA. 140+86.63	528,716.7724	1,284,879.4968	
PC STA. 140+86.71	528,716.8074	1,284,879.4177	
PI STA. 141+13.17	528,711.6814	1,284,905.3721	
PT STA. 141+38.18	528,693.3256	1,284,924.4240	

BASELINE CONTROL COORDINATES			
DRIVEWAY 4			
STATION	NORTH	EAST	
POT STA. 160+00.00	528,982.3120	1,284,968.3644	
PC STA. 160+39.46	528,958.6237	1,284,999.9224	
PI STA. 160+58.82	528,947.0032	1,285,015.4036	
PCC STA. 160+78.10	528,937.9042	1,285,032.4890	
PI STA. 160+93.38	528,930.7216	1,285,045.9760	
PT STA. 161+08.11	528,930.3003	1,285,061.2506	

BASELINE CONTROL COORDINATES			
NORTH BRANCH TRAIL			
STATION	NORTH	EAST	
PC STA. 10+00.00	528,103.3098	1,283,840.4004	
PI STA. 10+63.94	528,132.5071	1,283,897.2834	
PT STA. 11+13.78	528,093.1268	1,283,947.6556	

BASELINE CONTROL COORDINATES			
EMORY			
STATION	NORTH	EAST	
POT STA. 10+00.00	527,914.7636	1,284,234.6253	
PC STA. 10+59.15	527,963.7779	1,284,267.7300	
PI STA. 11+38.45	528,029.5001	1,284,312.1193	
PT STA. 12+14.22	528,108.5726	1,284,318.2305	
PC STA. 13+15.06	528,209.1121	1,284,326.0009	
PI STA. 14+81.33	528,374.8901	1,284,338.8132	
PT STA. 16+18.71	528,451.8889	1,284,466.1825	
PC STA. 17+29.87	528,503.3669	1,284,584.7071	
PI STA. 17+93.53	528,532.8458	1,284,641.1272	
PT STA. 18+55.33	528,582.6964	1,284,680.7144	
PC STA. 18+55.33	528,582.6964	1,284,680.7144	
PI STA. 19+92.08	528,689.4294	1,284,766.2039	
PT STA. 21+28.77	528,800.3155	1,284,846.2331	
PC STA. 21+28.77	528,800.3155	1,284,846.2331	
PI STA. 23+00.99	528,939.4935	1,284,947.6659	
PT STA. 24+73.17	529,075.2866	1,285,053.5873	
PC STA. 24+73.17	529,075.2866	1,285,053.5873	
PI STA. 25+88.42	529,166.1597	1,285,124.4702	
PT STA. 27+03.65	529,259.6885	1,285,191.8115	
POT STA. 27+65.00	529,309.4685	1,285,227.6768	

BASELINE CONTROL COORDINATES			
MUNCASTER MILL			
STATION	NORTH	EAST	
POT STA. 336+50.00	528,672.6277	1,283,070.3936	
PC STA. 337+79.93	528,659.1871	1,283,199.6258	
PI STA. 339+62.05	528,640.3477	1,283,380.7675	
PT STA. 341+31.67	528,517.1236	1,283,514.8684	
PC STA. 345+17.58	528,256.0114	1,283,799.0285	
PI STA. 346+01.60	528,199.1600	1,283,860.8980	
PT STA. 346+85.58	528,145.8607	1,283,925.8527	
PC STA. 346+85.58	528,145.8607	1,283,925.8527	
PI STA. 350+72.88	527,900.1801	1,284,225.2579	
PT STA. 354+58.12	527,711.6746	1,284,563.5892	
PC STA. 355+65.50	527,659.4109	1,284,657.3924	
PI STA. 356+68.06	527,609.4947	1,284,746.9826	
PT STA. 357+70.50	527,567.0843	1,284,840.3603	

CURVE DATA							
CURVE NO.	Δ	Dc	R	T	L	E	
MUNCASTERMILL-1	36°38'31.9" RT.	10°25'02.69"	550.00'	182.12'	351.74'	29.37'	
MUNCASTERMILL-2	3°12'31.02" LT.	1°54'35.49"	3,000.00'	84.02'	168.00'	1.18'	
MUNCASTERMILL-3	10°14'45.95" LT.	1°19'34.65"	4,320.00'	387.30'	772.54'	17.33'	
MUNCASTERMILL-4	4°41'53.71" LT.	2°17'30.59"	2,500.00'	102.56'	205.00'	2.10'	
EMORYLANE-1	29°36'57.78" LT.	19°05'54.94"	300.00'	79.31'	155.07'	10.31'	
EMORYLANE-2	57°59'38.63" RT.	19°05'54.94"	300.00'	166.27'	303.66'	43.00'	
EMORYLANE-3	23°57'35.47" LT.	19°05'54.94"	300.00'	63.66'	125.45'	6.68'	
EMORYLANE-4	2°52'28.87" LT.	1°03'04.68"	5,450.00'	136.75'	273.44'	1.72'	
EMORYLANE-5	1°52'13.54" RT.	0°32'35.12"	10,550.00'	172.22'	344.41'	1.41'	
EMORYLANE-6	2°12'03.01" LT.	0°57'17.75"	6,000.00'	115.25'	230.47'	1.11'	
DRIVEWAY1-EM-1	6°17'49.10" LT.	31°49'51.56"	180.00'	9.90'	19.78'	0.27'	
DRIVEWAY2-EM-1	2°10'03.91" LT.	7°38'21.97"	750.00'	14.19'	28.38'	0.13'	
DRIVEWAY3-EM-1	25°26'24.42" LT.	71°37'11.01"	80.00'	18.06'	35.52'	2.01'	
DRIVEWAY3-EM-2	32°45'42.17" RT.	63°39'43.12"	90.00'	26.46'	51.46'	3.81'	
DRIVEWAY4-EM-1	8°51'18.14" LT.	22°55'05.92"	250.00'	19.36'	38.64'	0.75'	
DRIVEWAY4-EM-2	26°27'29.12" LT.	88°08'50.47"	65.00'	15.28'	30.02'	1.77'	
NORTHBRANCHTRAIL-1	65°11'19.35" LT.	57°17'44.81"	100.00'	63.94'	113.78'	18.69'	

TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
T-1	528,211.7895	1,283,897.5634	341.50'
T-2	528,170.4736	1,283,867.9655	342.86'
T-3	528,005.5582	1,283,956.4274	353.85'
T-4	527,916.7829	1,284,082.4935	365.30'
T-5	527,810.2434	1,284,224.4094	381.40'
T-6	527,736.4387	1,284,357.0816	392.53'
T-7	528,729.2600	1,284,760.7861	394.19'
T-8	528,967.2436	1,284,941.4010	405.59'
T-9	529,186.6151	1,285,161.7220	422.24'

APPROVED
Montgomery County
Historic Preservation Commission
Sandra A. Heiler

OWNER/ADDRESS:
MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE
GAITHERSBURG, MARYLAND

CONTACT:
PATRICIA SHEPHERD
PATRICIA.SHEPHERD@MONTGOMERYCOUNTY.MD.GOV
MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
240-777-7231

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MARYLAND

RECOMMENDED FOR APPROVAL:

Date

APPROVED:

Date

DESIGNED BY: KBJ DRAWN BY: KBJ CHECKED BY: JCW

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MUNCASTER MILL ROAD / EMORY LANE
SHARED USE PATH
GEOMETRY SHEET

SCALE 1"=100' DATE AUGUST 2019

SHEET NO 3 OF 80

PLOTED: Tuesday, August 13, 2019 10:41:01 AM AT: C:\Users\j...
FILE: V:\mca\04\2019\20190813\18..._MCDOT\18..._Emory Lane, Sub\CDOT\Plan\18..._Emory Lane.dwg



APPROVED
By Brian.Crane at 2:48 pm, Feb 27, 2020

NO.	REVISION	DATE	BY

TEST HOLE DATA							
NO	UTILITY	STATION	OFFSET	NORTHING	EASTING	TOP UTILITY ELEVATION	SURFACE ELEVATION
TH-1	WATER	-	-	528,126.4378	1,284,175.0030	343.66	354.50
TH-2	WATER	-	-	528,163.7279	1,284,300.3630	347.38	353.98

8" PLAIN PORTLAND CEMENT CONCRETE FOR DRIVEWAY MIX NO. 9		
BASELINE	STATION	QTY
EMORY LANE	STA. 11+74.43 TO STA. 11+99.29, RT	33 SY

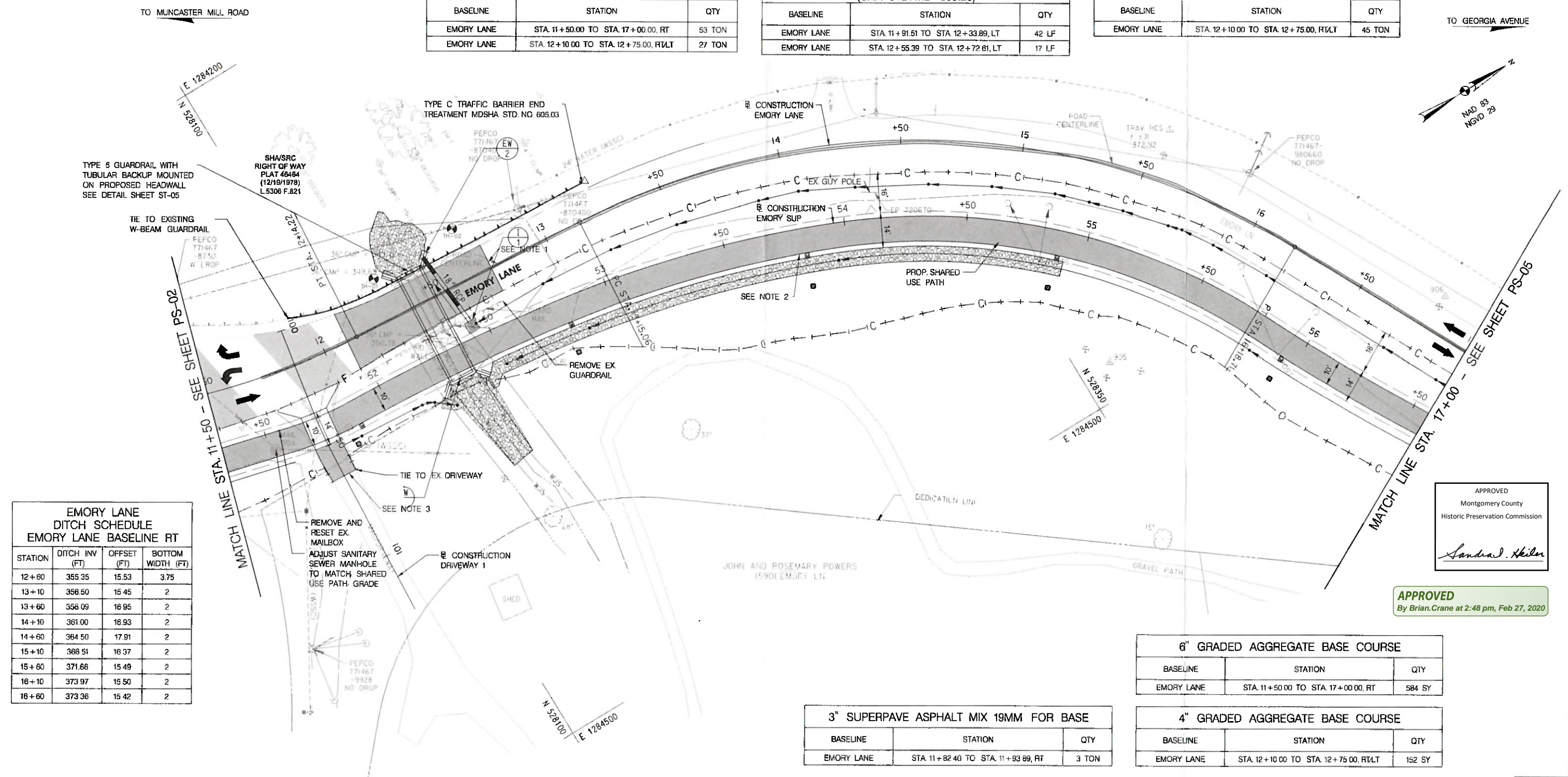
TYPE C TRAFFIC BARRIER END TREATMENT (SHA STD. MD 605.03)		
BASELINE	STATION	QTY
EMORY LANE	STA. 12+72.61 TO STA. 13+22.61, LT	1 EA

NESTED TYPE 5 GUARDRAIL WITH TUBULAR BACKUP		
BASELINE	STATION	QTY
EMORY LANE	STA. 12+33.89 TO STA. 12+55.39, LT	1 EA

1.5" SUPERPAVE ASPHALT MIX 9.5MM FOR SURFACE		
BASELINE	STATION	QTY
EMORY LANE	STA. 11+50.00 TO STA. 17+00.00, RT	53 TON
EMORY LANE	STA. 12+10.00 TO STA. 12+75.00, RT<	27 TON

TRAFFIC BARRIER W BEAM W/8 FOOT POST (SHA STD. MD 605.25)		
BASELINE	STATION	QTY
EMORY LANE	STA. 11+91.51 TO STA. 12+33.89, LT	42 LF
EMORY LANE	STA. 12+55.39 TO STA. 12+72.61, LT	17 LF

2.5" SUPERPAVE ASPHALT MIX 19MM FOR BASE		
BASELINE	STATION	QTY
EMORY LANE	STA. 12+10.00 TO STA. 12+75.00, RT<	45 TON



EMORY LANE DITCH SCHEDULE EMORY LANE BASELINE RT				
STATION	DITCH INV (FT)	OFFSET (FT)	BOTTOM WIDTH (FT)	
12+60	355.35	15.53	3.75	
13+10	356.50	15.45	2	
13+60	356.09	16.95	2	
14+10	361.00	16.93	2	
14+60	364.50	17.91	2	
15+10	368.51	16.37	2	
15+60	371.66	15.49	2	
16+10	373.97	15.50	2	
16+60	373.36	15.42	2	

PAVING LEGEND	
[Pattern]	HMA SHARED USE PATH
[Pattern]	FULL DEPTH HMA
[Pattern]	GRINDING AND RESURFACING
[Pattern]	CONC SIDEWALK / DRIVEWAY APRON

- NOTES**
- SEE DRAWING NO DT-01, PAVEMENT DETAIL E
 - SEE DRAWING NO DT-01, PAVEMENT DETAIL C
 - SEE DRAWING NO DT-01, PAVEMENT DETAIL D

OWNER/ADDRESS:
MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE
GAITHERSBURG, MARYLAND

CONTACT:
PATRICIA SHEPHERD
PATRICIA.SHEPHERD@MONTGOMERYCOUNTY.MD.GOV
MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
240-777-7231

3" SUPERPAVE ASPHALT MIX 19MM FOR BASE		
BASELINE	STATION	QTY
EMORY LANE	STA. 11+82.40 TO STA. 11+93.89, RT	3 TON

6" GRADED AGGREGATE BASE COURSE		
BASELINE	STATION	QTY
EMORY LANE	STA. 11+50.00 TO STA. 17+00.00, RT	584 SY

4" GRADED AGGREGATE BASE COURSE		
BASELINE	STATION	QTY
EMORY LANE	STA. 12+10.00 TO STA. 12+75.00, RT<	152 SY

APPROVED
Montgomery County
Historic Preservation Commission
Sandra Heiler

APPROVED
By Brian Crane at 2:48 pm, Feb 27, 2020

PLOTTED: Tuesday, August 13, 2019 AT 01:38 PM
FILE: \\va\mco\va\1310113194_MCO\DT\08-13_Emory Lane SUP\CADD\Drawings\Road\EmoryLane.dwg

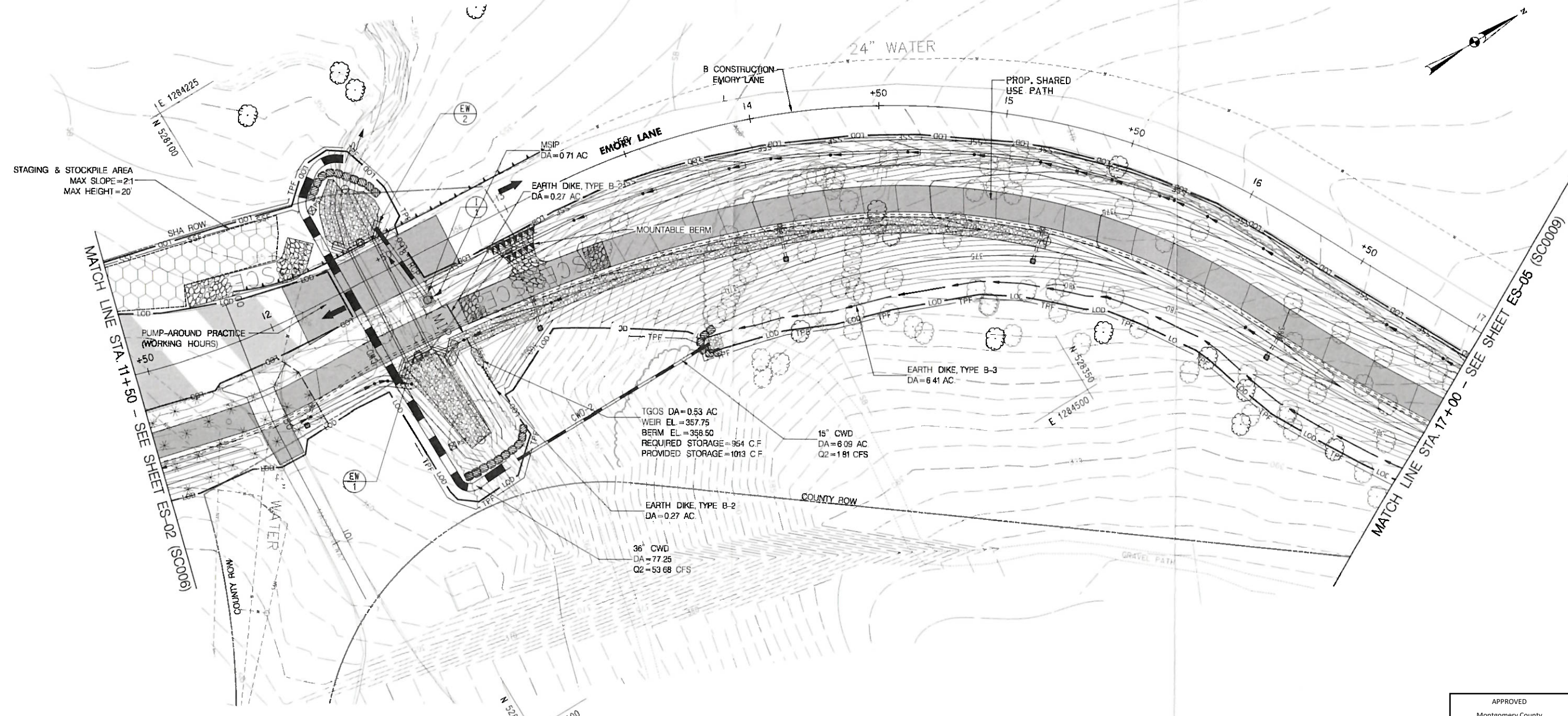
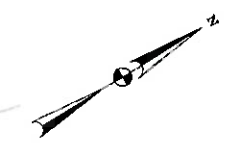
RK&K
P 410 728 2900
700 E Pratt Street, Suite 500 | Baltimore, MD 21202
Engineers | Construction Managers | Planners | Scientists
www.rkandk.com
Responsive People | Creative Solutions

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION ROCKVILLE, MARYLAND RECOMMENDED FOR APPROVAL: Chief Transportation Planning and Design Section _____ Date _____ ASPECT Chief Division of Transportation Engineering _____ Date _____		MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION DIVISION OF TRANSPORTATION ENGINEERING MUNCASTER MILL ROAD / EMORY LANE SHARED USE PATH ROADWAY PLAN SCALE 1" = 20' DATE AUGUST 2019	
DESIGNED BY: KBJ	DRAWN BY: KBJ	CHECKED BY: JCW	SHEET NO 13 OF 80

DWG. PS-04

TO MUNCASTER MILL ROAD

TO GEORGIA AVENUE



STAGING & STOCKPILE AREA
MAX SLOPE=2:1
MAX HEIGHT=20'

MATCH LINE STA 11+50 - SEE SHEET ES-02 (SC006)

MATCH LINE STA 17+00 - SEE SHEET ES-05 (SC009)

LEGEND	
	STABILIZED CONSTRUCTION ENTRANCE
	LIMIT OF DISTURBANCE
	DIVERSION FENCE
	TEMPORARY GABION OUTLET STRUCTURE
	TEMPORARY STONE OUTLET STRUCTURE
	RIPRAP FOR SEDIMENT CONTROL
	MOUNTABLE BERM
	STAGING/STOCKPILE AREA
	SAME-DAY STABILIZATION
	MEDIAN INLET PROTECTION EXISTING TREELINE / CANOPY COVER TREE PROTECTION FENCE
	TREE PROTECTION FENCE
	ROW LINE
	PROPERTY LINE
	EX STORM DRAIN PIPE
	TREE REMOVAL
	EX TREE TO REMAIN
	EX CONTOUR
	PROPOSED TYPE K INLET
	PROP STORM DRAIN PIPE
	PROPOSED END SECTION
	PROP CONTOUR
	PROPOSED DRAINAGE DITCH
	FINE MILLING AND RESURFACING
	FULL DEPTH PAVEMENT
	PAVEMENT CONVERSION TO OPEN SPACE
	SIGNIFICANT/SPECIMEN (>24" DBH) OR ROADSIDE TREE w/CRITICAL ROOT ZONE

NOTES

1. WHERE NO SCE IS PROVIDED, CONTRACTOR SHALL DESIGNATE PIECES OF CONSTRUCTION EQUIPMENT WITHIN THE LOD. THIS EQUIPMENT SHALL BE KEPT WITHIN THE LOD UNTIL THE PROPOSED WORK IS COMPLETE AND SHALL HAVE TREADS/TIRES CLEANED PRIOR TO LEAVING THE LOD.
2. ALL STAGING AND STOCKPILING MUST BE WITHIN THE LOD. SEDIMENT CONTROL FOR THE STAGING/STOCKPILE AREA MUST BE PROVIDED IF NEEDED OR AS DIRECTED BY THE SEDIMENT CONTROL INSPECTOR.
3. ALL SIGNIFICANT TREES WITHIN THE LOD SHALL BE REMOVED AND WILL NOT BE SHOWN WITH A REMOVAL SYMBOL ("X") FOR VISUAL CLARITY.
4. TREE PROTECTION FENCE (TPF) TO BE PLACED ALONG THE LOD. TPF IS OFFSET FROM LOD FOR VISUAL CLARITY.

APPROVED
Montgomery County
Historic Preservation Commission

Sandra L. Heiler

APPROVED
By Brian Crane at 2:48 pm, Feb 27, 2020

SCSWM 08 OF 11 DWG. ES-04

OWNER / ADDRESS:
MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
100 EDISON PARK DRIVE
GAITHERSBURG, MARYLAND

CONTACT:
PATRICIA SHEPHERD
PATRICIA.SHEPHERD@MONTGOMERYCOUNTY.MD.GOV
MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
240-777-7231

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
ROCKVILLE, MARYLAND

RECOMMENDED FOR APPROVAL:

Chief, Transportation Planning and Design Section _____ Date _____
APPROVED

Chief, Division of Transportation Engineering _____ Date _____

DESIGNED BY: LMG DRAWN BY: LMG CHECKED BY: SBP

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRANSPORTATION ENGINEERING
MUNCASTER MILL ROAD / EMORY LANE
SHARED USE PATH

EROSION AND SEDIMENT CONTROL PLAN

SCALE 1" = 20' DATE AUGUST 2019

SHEET NO 45 OF 90

RK&K

P 410 728 2900
700 E Pratt Street, Suite 500 | Baltimore, MD 21202

Engineers | Construction Managers | Planners | Scientists
www.rk.com

Responsive People | Creative Solutions

PLOTTED: Tuesday, August 13, 2019 4:07:39 PM
 FILE: \\vmsrv01\cadd\2019\0813\EMORY_LANE_SHP\CONTRACT\ES-04-1900_Erosion.dwg