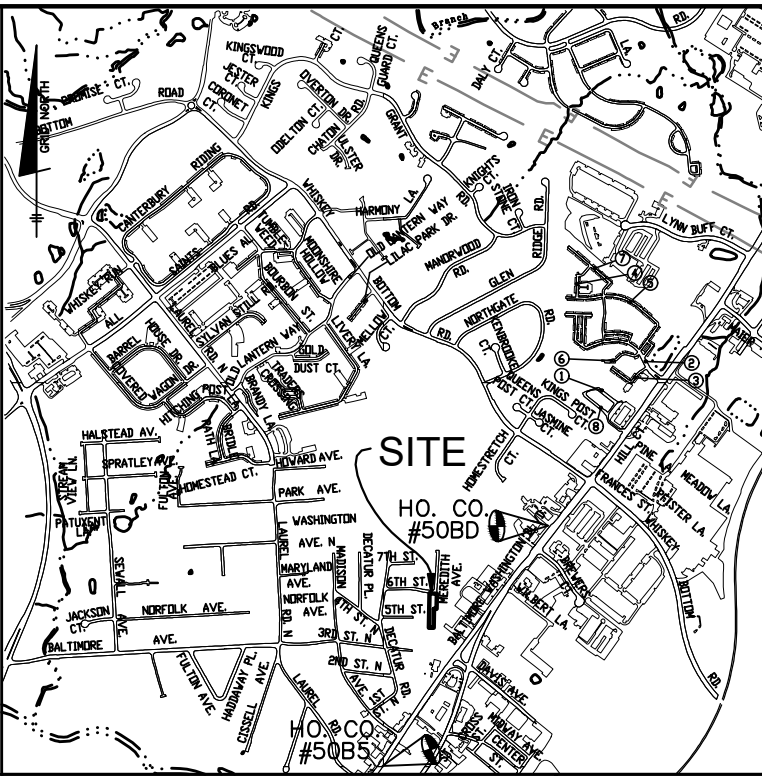


GENERAL NOTES

- 1. THIS PROJECT IS IN CONFORMANCE WITH THE LATEST HOWARD COUNTY STANDARDS UNLESS WAIVER OR ALTERNATIVE COMPLIANCE HAVE BEEN APPROVED.
2. THE SUBJECT PROPERTY IS ZONED R-SC PER THE OCTOBER 6, 2013 COMPREHENSIVE ZONING PLAN.
3. THIS PROJECT IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS PER COUNCIL BILL 45-2003 AND THE ZONING REGULATIONS AS AMENDED BY COUNCIL BILL 75-2003.
4. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENTS NO. 50B5 AND 50B2 WERE USED FOR THIS PROJECT.
5. TRACT BOUNDARY IS BASED ON A FIELD SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. IN MARCH, 2021.
6. THE EXISTING TOPOGRAPHY SHOWN IS BASED ON FIELD SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. IN APRIL, 2021.
7. THE EXISTING UTILITIES SHOWN ARE BASED ON FIELD LOCATIONS, SIGNED CONTRACT DRAWINGS AND HOWARD COUNTY GIS.
8. THIS PROPERTY IS NOT LOCATED ALONG A SCENIC ROAD.
9. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO CEMETERIES, BURIAL GROUNDS OR HISTORIC STRUCTURES LOCATED ON THE SUBJECT PROPERTY.
10. STORMWATER MANAGEMENT HAS BEEN PROVIDED IN ACCORDANCE WITH THE "MARYLAND DEPARTMENT OF ENVIRONMENT STORMWATER MANAGEMENT ACT OF 2007" AND THE "HOWARD COUNTY DESIGN MANUAL VOLUME 1, CHAPTER 5 "ENVIRONMENTAL SITE DESIGN (ESD)" HAS BEEN PROVIDED VIA TWO (M-6) MICRO BIO-RETENTION FACILITIES, WHICH WILL BE PUBLICLY OWNED BY HOWARD COUNTY AND JOINTLY MAINTAINED. STRUCTURAL MAINTENANCE OF THE MICRO-BIOS, INCLUDING INLETS, PIPING AND PLANTING MEDIA SHALL BE THE COUNTY'S RESPONSIBILITY. MAINTENANCE OF THE MULCH, PLANTINGS, TRASH REMOVAL AND MOWING SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNERS.
11. THE GEOTECHNICAL REPORTS WERE PREPARED BY GEOLAB DATED APRIL, 2022 AND MAY, 2023.
12. THIS PROJECT IS LOCATED WITHIN THE METROPOLITAN DISTRICT.
13. WATER AND SEWER IS PUBLIC. THE CONTRACT NUMBERS ARE 24-1700-D AND 24-4162-D.
14. A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT AS THIS PROJECT DOES NOT FALL WITHIN THE LOCATION GUIDELINES LISTED IN THE DESIGN MANUAL VOLUME III-ROADS AND BRIDGES.
15. A TRAFFIC STUDY IS NOT REQUIRED AS THIS PLAN IS FOR A ROAD EXTENSION ONLY. THE LOTS ADJACENT TO THE ROAD ARE EXISTING UNDER PLAT 61, FOLIO 470.
16. THERE ARE NO SPECIMEN TREES WITHIN THE LIMIT OF DISTURBANCE FOR THE ROAD EXTENSION.
17. A PRE-SUBMISSION COMMUNITY MEETING IS NOT REQUIRED FOR THIS PUBLIC ROAD EXTENSION. THE LOTS ADJACENT TO THE PUBLIC ROAD ARE EXISTING PLATTED LOTS.
18. ECP-22-034 WAS APPROVED BY DEVELOPMENT ENGINEERING DIVISION AND MYLARS WERE SIGNED ON 2/9/22.
19. THERE ARE NO STEEP SLOPES (25% OR GREATER) WITHIN THE LIMITS OF THIS SUBMISSION.
20. THE PROPOSED ROAD EXTENSION PROJECT IS EXEMPT FROM THE REQUIREMENT FOR FOREST CONSERVATION PLANS PER SECTION 16.1202(a), BECAUSE THE DEVELOPMENT AREA IS SMALLER THAN 40,000 SF.
21. TRAFFIC CONTROL DEVICES:
a.) THE RT-1 ("STOP") SIGN AND THE STREET NAME SIGN (SNS) ASSEMBLY FOR THIS DEVELOPMENT MUST BE INSTALLED BEFORE PLACEMENT OF ANY ASPHALT.
b.) THE TRAFFIC CONTROL DEVICES LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MUST BE FIELD APPROVED BY HOWARD COUNTY TRAFFIC DIVISION 410-313-2430 PRIOR TO THE INSTALLATION OF ANY OF THE TRAFFIC CONTROL DEVICES.
c.) ALL TRAFFIC CONTROL DEVICES AND THEIR LOCATIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES." (M&MUTCD).
d.) ALL SIGN POST USED FOR TRAFFIC CONTROL SIGNS INSTALLED IN THE COUNTY RIGHT-OF-WAY SHALL BE MOUNTED ON A 2" GALVANIZED STEEL, PERFORATED ("QUICK PUNCH"), SQUARE TUBE POST (14 GAUGE) INSERTED INTO A 2-1/2" GALVANIZED STEEL, PERFORATED, SQUARE TUBE SLEEVE(12 GAUGE) 3' LONG. THE ANCHOR SHALL NOT EXTEND MORE THAN TWO "QUICK PUNCH" HOLES ABOVE GROUND LEVEL. A GALVANIZED STEEL POLE CAP SHALL BE MOUNTED ON TOP OF EACH POST.
22. THE FINANCIAL SURETY (\$3,000.00) FOR THE REQUIRED 10 STREET TREES WILL BE INCLUDED IN THE DED COST ESTIMATE AND WILL BE POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT.
23. HOWARD COUNTY STANDARD DETAIL R-6.04 SHALL BE UTILIZED FOR THE DRIVEWAY APRONS LOTS 18-22 AND R-6.05 EXISTING LOTS 31 & 32.
24. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
25. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT 410-313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
26. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
27. STREET LIGHT PLACEMENT AND TYPE OF FIXTURES AND POLES SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME III, SECTION 2.13. A MINIMUM OF 20" SHALL BE MAINTAINED BETWEEN ANY STREET LIGHT AND ANY TREE.
28. THE PURPOSE OF THIS FINAL CONSTRUCTION PLAN IS TO EXTEND EXISTING MEREDITH AVENUE FOR FUTURE DEVELOPMENT OF THE LOTS 12-22. THE EXTENSION OF THIS ROAD IS CONFINED TO THE EXISTING PAPER RIGHT-OF-WAY ESTABLISHED UNDER PLAT 61, FOLIO 470.
29. ACCESS FOR LOTS 12-16 WILL BE ADDRESSED IN THE FUTURE, BUT AN EASEMENT IS PROVIDED ON LOT 17 TO ALLOW FOR THE FUTURE ACCESS.
30. A FINDINGS LETTER DATED NOVEMBER 11, 2021 WAS PREPARED BY ECO-SCIENCE PROFESSIONALS, AND FOUND THAT THERE WERE NO WETLANDS, STREAMS AND/OR BUFFERS, STEEP SLOPES, OR FLOODPLAINS WITHIN THE PROPOSED ROAD EXTENSION.
31. DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
A. WIDTH - 12' (16' SERVING MORE THAN ONE RESIDENCE)
B. SURFACE - 6" OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1-1 1/2" MIN)
C. GEOMETRY - MAX. 15% GRADE, MAX 10% GRADE CHANGE AND MIN. 45' TURNING RADIUS
D. STRUCTURE (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING)
E. DRAINAGE ELEMENTS - SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE
F. MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
32. A DESIGN MANUAL WAIVER WAS SUBMITTED TO REQUEST RELIEF FROM REQUIREMENTS REGARDING TEE TURNAROUND GEOMETRY AND DRIVEWAYS OFF A TEE TURNAROUND (DETAIL R-5.06) AND SIDEWALK DESIGN (DETAIL R-1.08).
A. THE REQUEST TO PLACE SIDEWALK ONLY ON THE EASTERN SIDE OF THE STREET WAS APPROVED NOVEMBER 15, 2023, WITH COMMENTS INCLUDING:
A.A. PROVIDE A 3 FOOT GRASS BUFFER BETWEEN THE CURB AND THE 5' SIDEWALK
A.B. WHERE THE SIDEWALK MUST BE ADJACENT TO THE CURB, PROVIDE A 6' SIDEWALK, AND
A.C. PROVIDE A HANDICAP RAMP TO ALLOW FOR PEDESTRIAN MOVEMENT TO CROSS SIXTH STREET.
B. THE REQUEST TO MODIFY THE TEE TURNAROUND GEOMETRY WAS APPROVED FEBRUARY 29, 2024 SUBJECT TO THE FOLLOWING COMMENTS:
B.A. INCREASE THE TURNING RADI LEADING INTO THE MODIFIED TEE TURNAROUND.
B.B. ADD A SECTION OF FLUSH CURB AROUND THE SOUTH AND EAST SECTIONS OF THE TEE.
B.C. RELOCATE THE PROPOSED STREET LIGHT FURTHER FROM THE TEE.
B.D. CONFIRMATION OF FEE SIMPLE OWNERSHIP MUST BE PROVIDED BEFORE FINAL ROAD PLAN SIGNATURE.
B.E. A GENERAL NOTE WITH APPROVAL AND CONDITIONS MUST BE ADDED TO THE PLAN.

MEREDITH AVENUE - ROAD EXTENSION
NORTH LAUREL PARK
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FINAL ROAD CONSTRUCTION PLANS

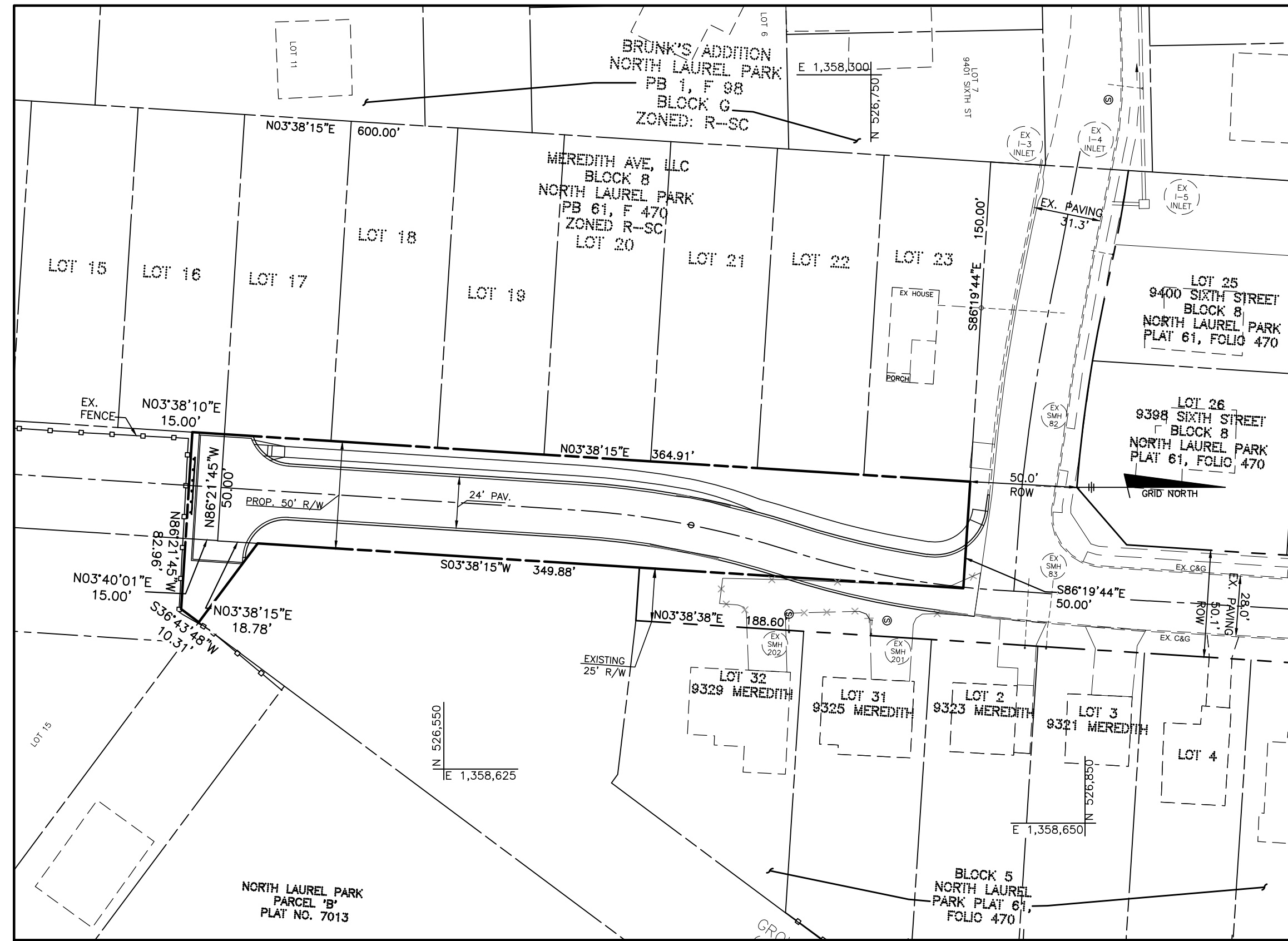


VICINITY MAP
SCALE: 1" = 2000'
ADC MAP 40, GRID B8

Table with 2 columns: BENCH MARKS (NAD83), HO. CO. No. 50B5, ELEV. 177.427', NEAR RT-1 BY DAVIS AVE, 50.2 FEET FROM FIRE HYDRANT, 12.2 FEET FROM CORNER OF PARKING LOT N 524999.311, E 1357925.729

LEGEND

- PROPERTY BOUNDARY
ADJACENT PROPERTY LINES
PROPOSED CONTOUR LINES
EX CONTOUR LINES
SOIL DELINEATION
EXISTING STRUCTURES



LOCATION PLAN
SCALE: 1" = 50'
(N FEET)
1 inch = 50 ft.

SITE DATA TABULATION

- 1) GENERAL SITE DATA
a. PRESENT ZONING: R-SC
b. LOCATION: TAX MAP 50 - GRID 4 - PARCEL 426
c. APPLICABLE DPZ FILE REFERENCES: ECP-22-034
d. DEED REFERENCE: PB 61, F 470
e. PROPOSED USE OF SITE: PUBLIC ROAD EXTENSION
f. EXISTING WATER AND SEWER: PUBLIC WATER AND SEWER
2) AREA TABULATION
a. TOTAL AREA OF SITE: 0.50 AC ±
b. PROP ROW: 0.40 AC EX ROW: 0.10 AC
c. AREA OF 100-YEAR FLOODPLAIN (APPROX.): 0.00 AC ±
d. AREA OF STEEP SLOPES ON-SITE (25% OR GREATER): 0.00 AC ±
e. AREA OF THIS PLAN SUBMISSION: 0.50 AC ±
f. LIMIT OF DISTURBANCE (APPROX.): 0.60 AC ±
g. AREA OF PROPOSED BUILDABLE LOTS: 0.00 AC ±
h. AREA OF PROPOSED PUBLIC ROAD: 0.21 AC ±
i. AREA OF EXISTING PUBLIC R/W DEDICATION: 0.41 AC ±
3) LOT/LOT TABULATION
a. TOTAL NUMBER OF BUILDABLE LOTS: 0
b. TOTAL NUMBER OF OPEN SPACE LOTS: 0

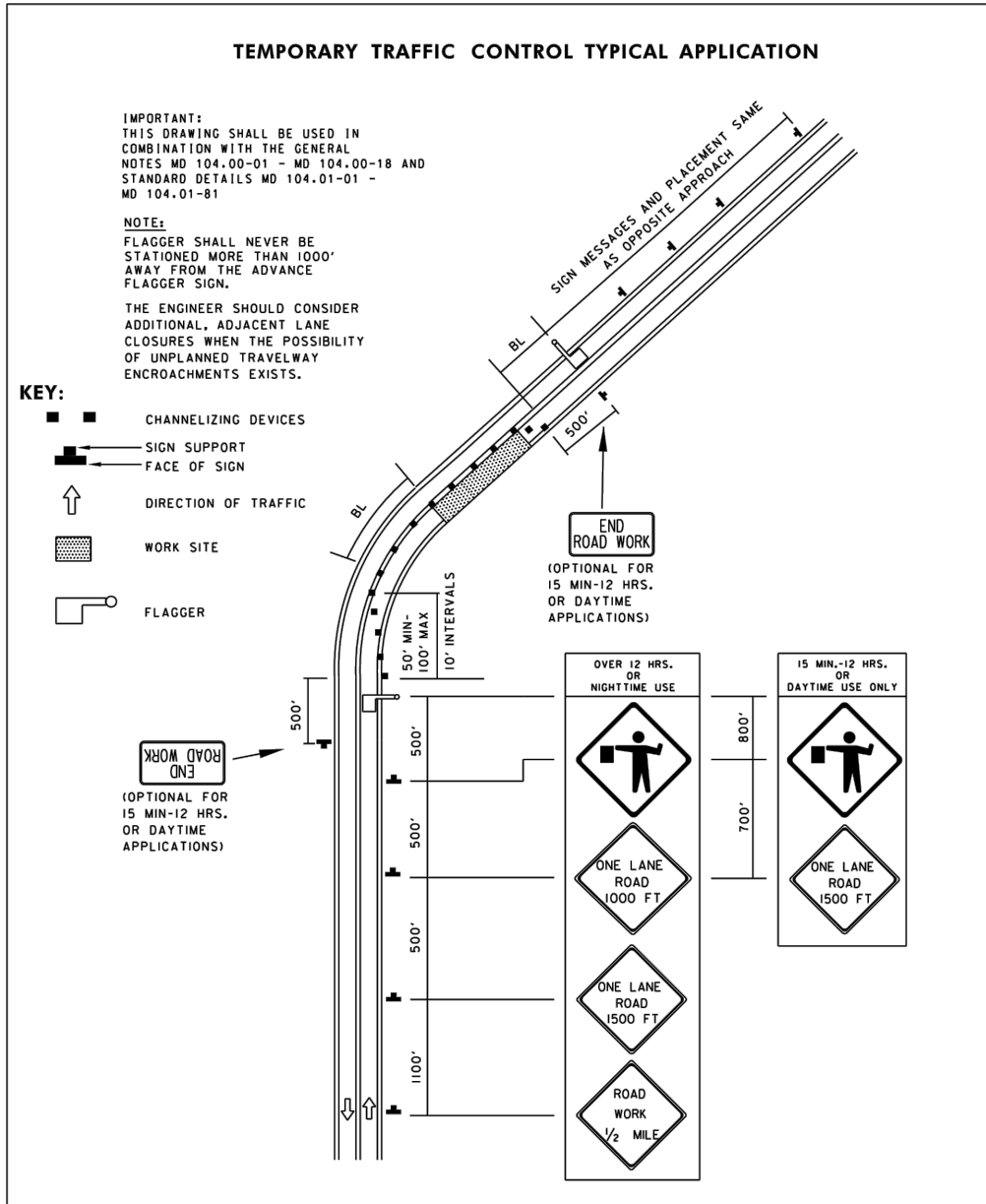
Stormwater Management Practices Chart table with columns: Lot/Parcel Number, Facility Name & Number, MDE Practice, Public, Private, HOA Maintains, Misc.

SHEET INDEX table with columns: NO., DESCRIPTION

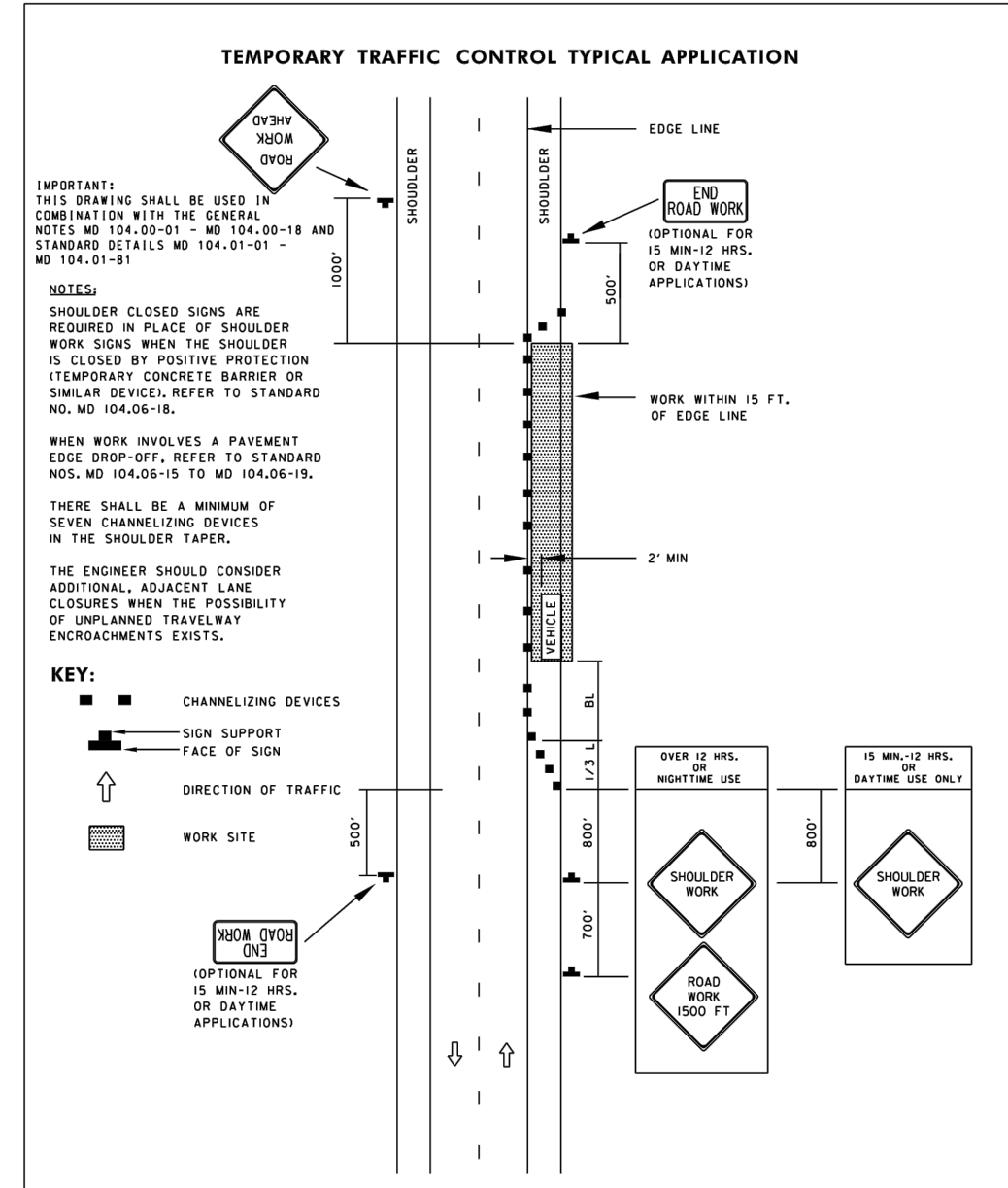
REVISION table with columns: NO., DATE, REVISION

BENCHMARK ENGINEERING, INC. logo and contact information: 3300 NORTH RIDGE ROAD SUITE 140, ELLICOTT CITY, MARYLAND 21043

OWNER/DEVELOPER: MEREDITH AVE, LLC
MEREDITH AVENUE - ROAD EXTENSION
NORTH LAUREL PARK
TAX MAP: 50 GRID: 4 PARCEL: 426
ELECTION DISTRICT NO. 6th HOWARD COUNTY, MARYLAND
COVER SHEET
DATE: MARCH 2024
DESIGN: AAM DRAFT: AAM



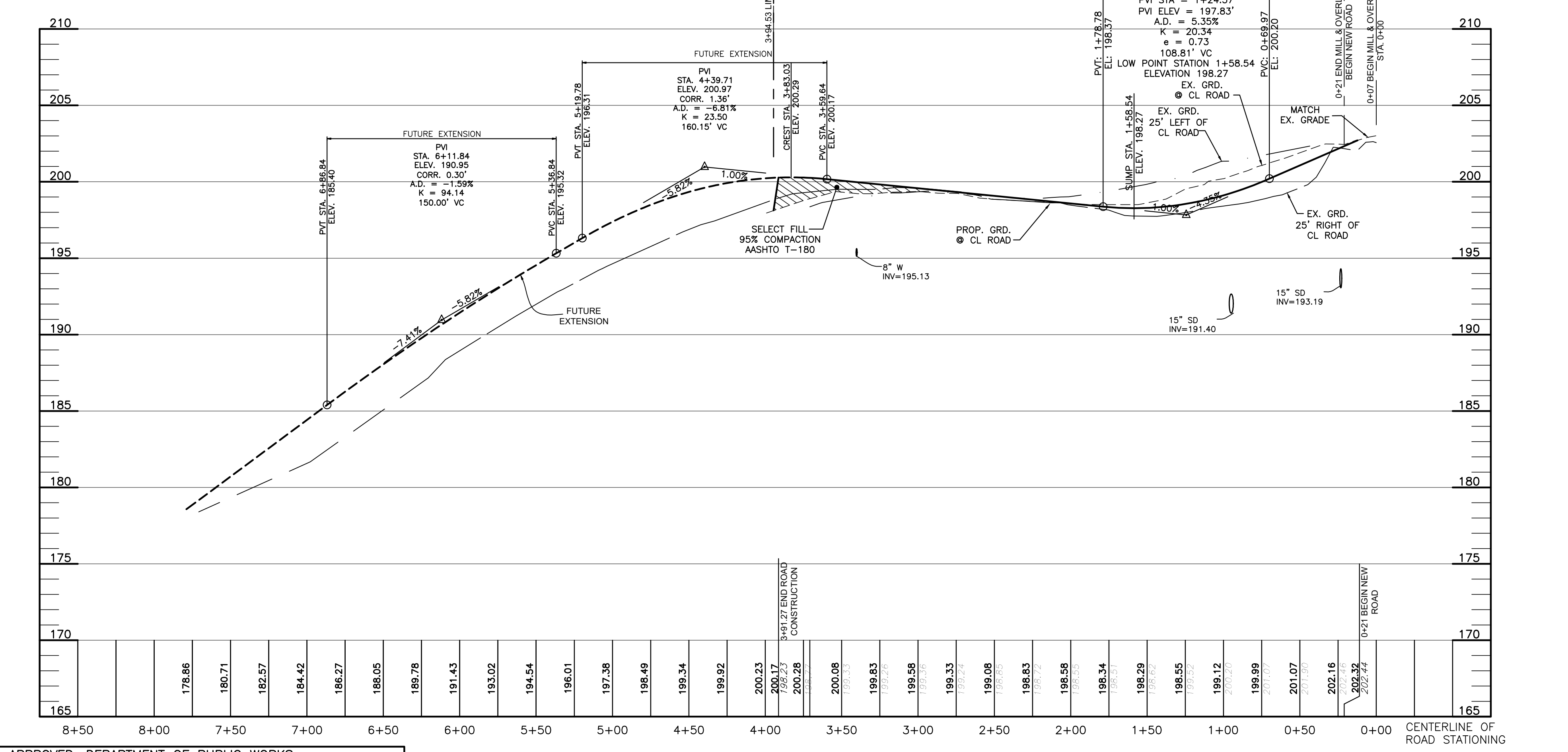
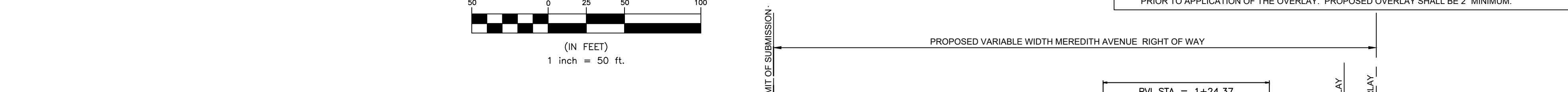
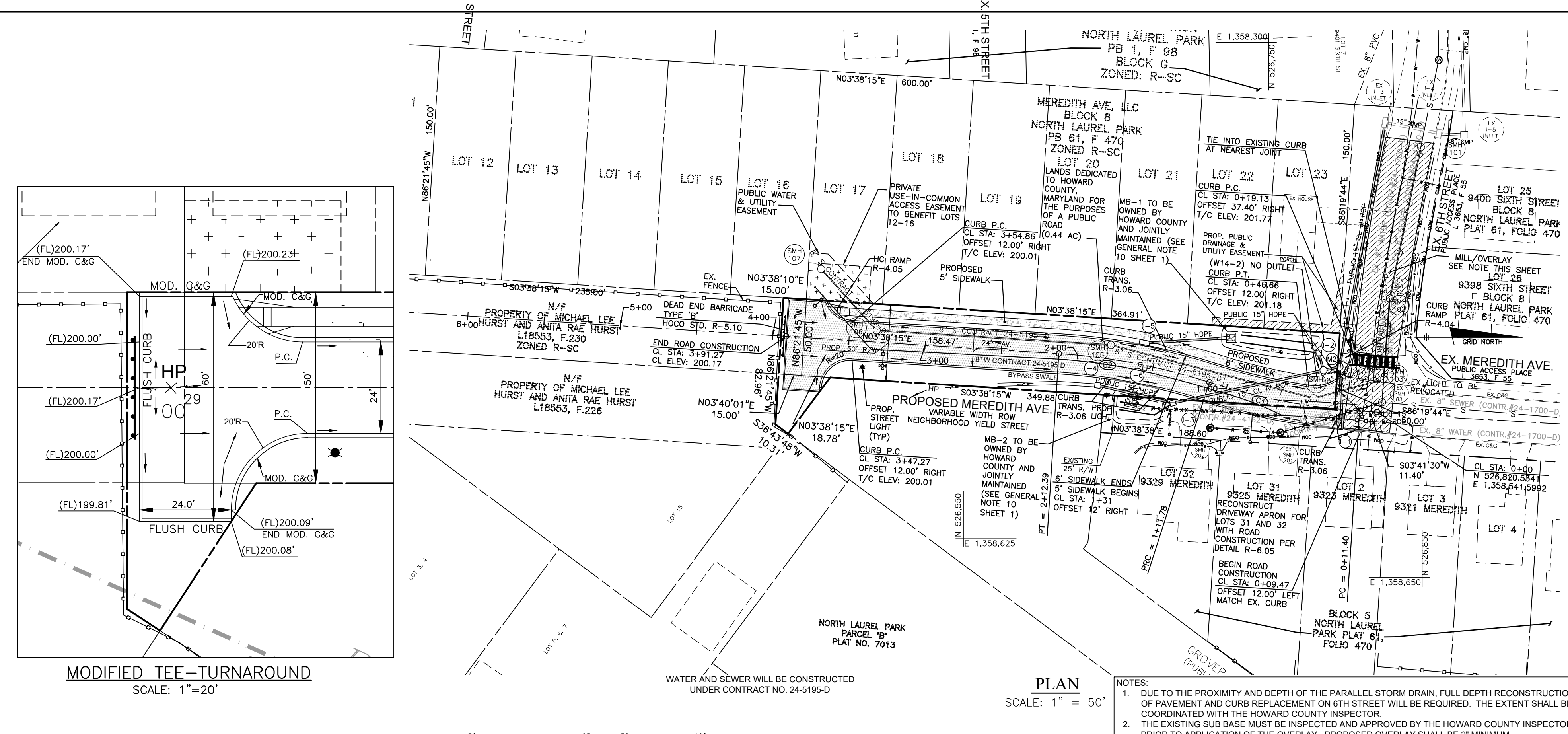
Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION
FLAGGING OPERATION-2-LANE, 2-WAY
EQU/LESS THAN 40 MPH
STANDARD NO. MD 104.02-10



Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION
SHOULDER WORK-2-LANE, 2-WAY
EQU/LESS THAN 40 MPH
STANDARD NO. MD 104.02-02

APPROVED: DEPARTMENT OF PUBLIC WORKS
APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF, DIVISION OF LAND DEVELOPMENT
CHIEF, DEVELOPMENT ENGINEERING DIVISION

THIS DOCUMENT INCLUDES CONFIDENTIAL INFORMATION AND DEPICTIONS OF BALTIMORE GAS AND ELECTRIC COMPANY'S ("BGE") ELECTRIC AND/OR GAS UTILITIES LOCATED WITHIN THE PROJECT AREA ("BGE UTILITY INFORMATION"). LOCATIONS, DIMENSIONS, DEPTHS, AND OTHER DETAILS OF ANY SUCH UTILITIES MAY NOT BE AS-BUILT, AND THE INFORMATION SHALL NOT BE RELIED UPON WITHOUT FIELD VERIFICATION. EXCAVATORS MUST EMPLOY SAFE DIGGING BEST PRACTICES WHEN APPROACHING BGE ELECTRIC AND GAS UTILITIES AND COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, INCLUDING, BUT NOT LIMITED TO, THE "MISS UTILITY DIG LAW". NO REPRESENTATIONS, GUARANTEES, OR WARRANTIES, EXPRESS OR IMPLIED, ARE MADE BY BGE AS TO THE QUALITY, COMPLETENESS, OR ACCURACY OF THE BGE UTILITY INFORMATION, AND IN ACCEPTING THIS DOCUMENT, THE RECIPIENT EXPRESSLY ACKNOWLEDGES AND AGREES THAT IT IS NOT RELYING ON THE ACCURACY OF THE SAME AND WILL MAINTAIN THE CONFIDENTIALITY OF THIS DOCUMENT.



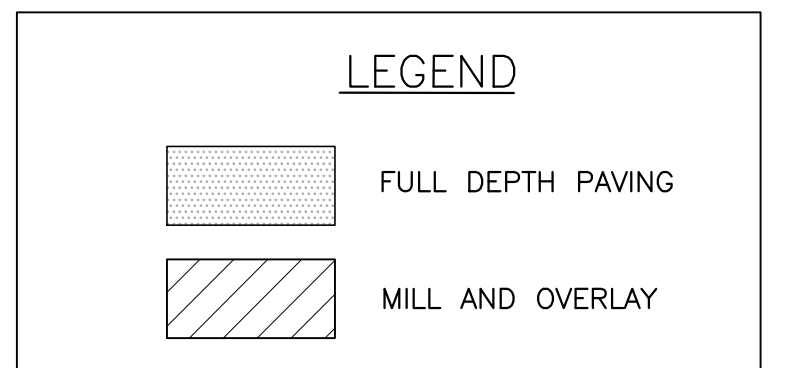
APPROVED: DEPARTMENT OF PUBLIC WORKS
4/24/2024
CHIEF, BUREAU OF HIGHWAYS

APPROVED: DEPARTMENT OF PLANNING AND ZONING
4/15/2024
CHIEF, DIVISION OF LAND DEVELOPMENT

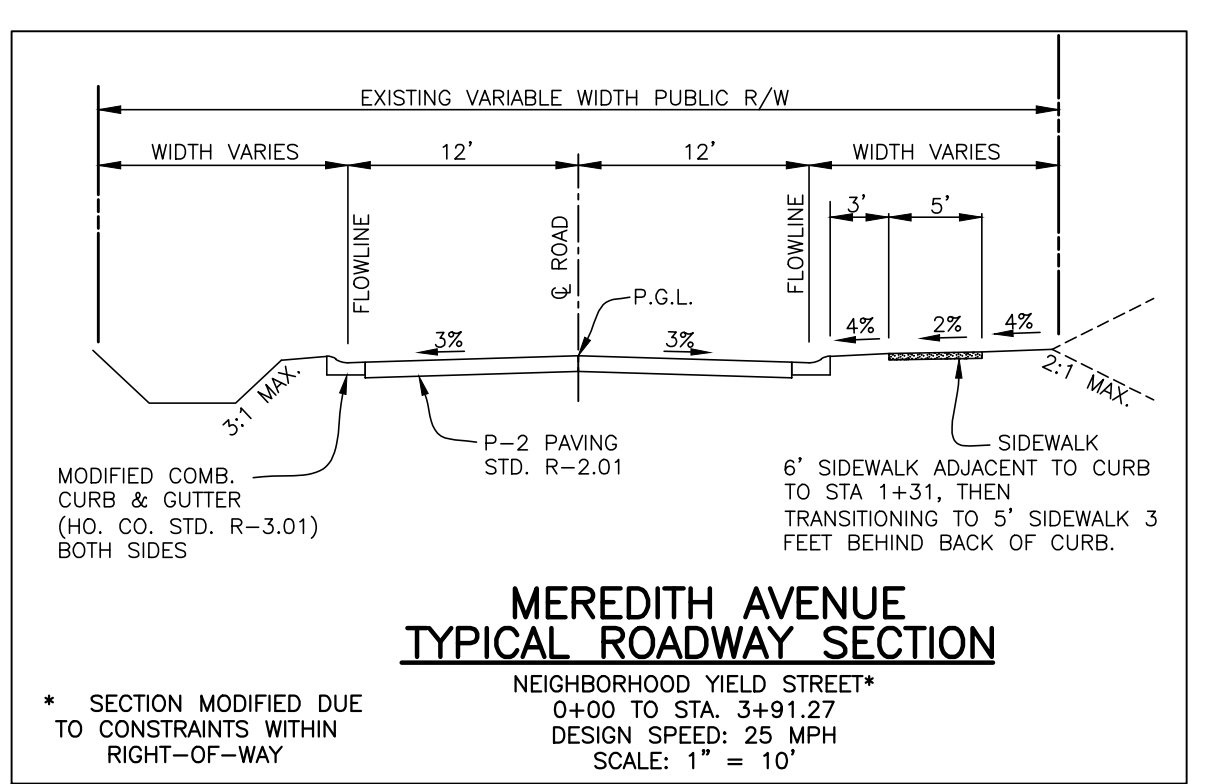
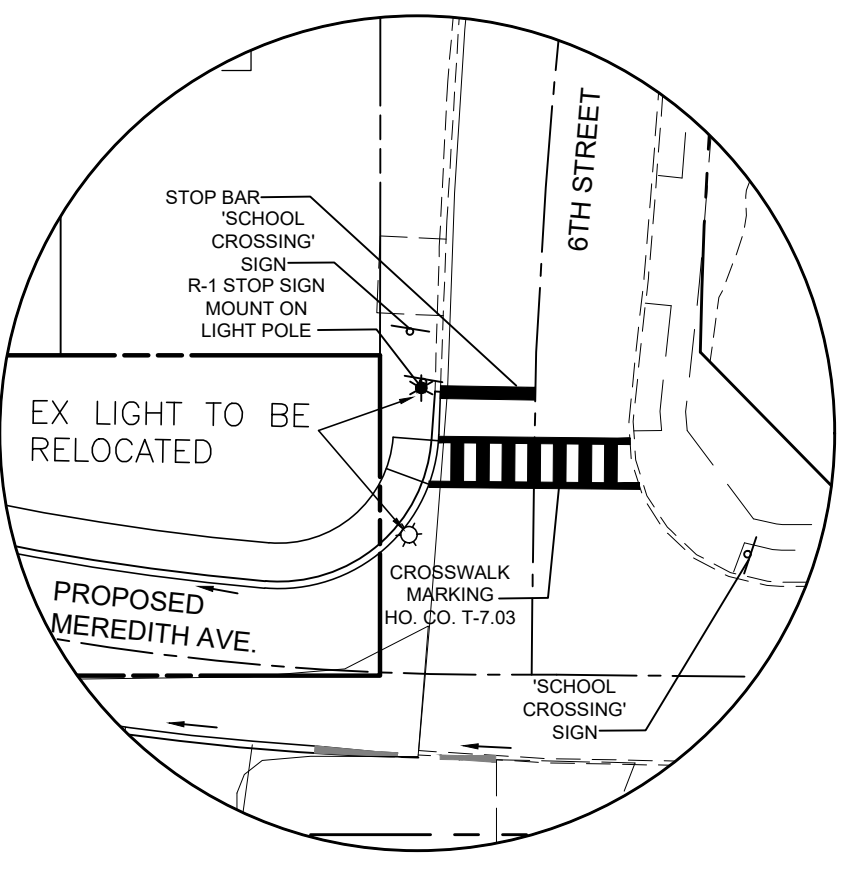
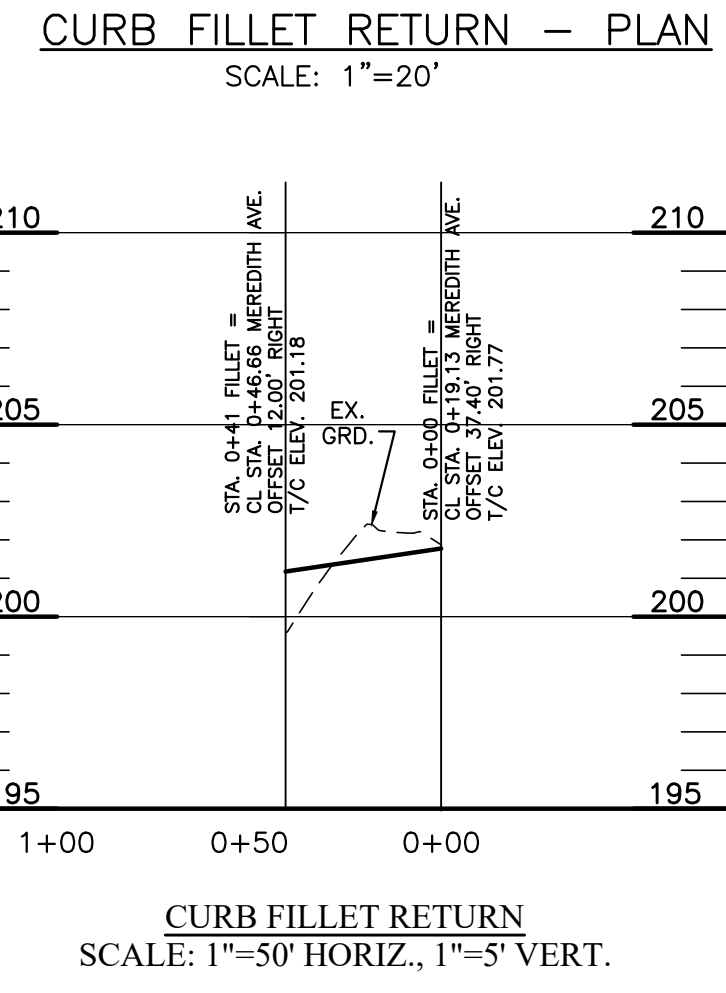
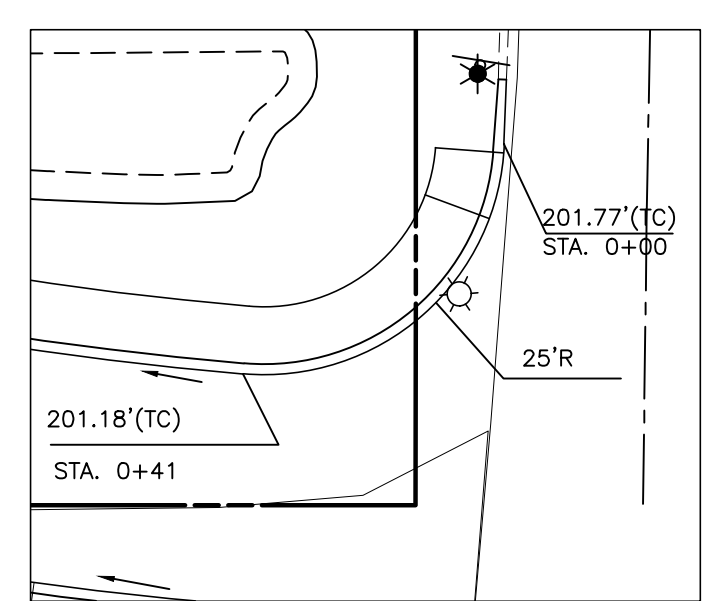
4/22/2024
CHIEF, DEVELOPMENT ENGINEERING DIVISION

ROAD CHART				
ROAD	CLASSIFICATION	DESIGN SPEED	EXISTING RIGHT-OF-WAY	PVMT TYPE
MEREDITH AVENUE	NEIGHBORHOOD YIELD STREET (PUBLIC ACCESS PLACE)	25MPH	50' TO 75'	P-2

CENTER LINE CURVE DATA								
CURVE	ALIGNMENT	STATION	RADIUS	ARC	DELTA	TANGENT	CHORD DIRECTION	CHORD LENGTH
C1	MEREDITH AVE.	0+11.40 TO 1+11.78	405.00'	100.38'	14°12'03"	50.45'	S10° 46' 13"W	100.12'
C2	MEREDITH AVE.	1+11.78 TO 2+12.39	405.00'	100.61'	14°14'00"	50.57'	S10° 45' 15"W	100.35'



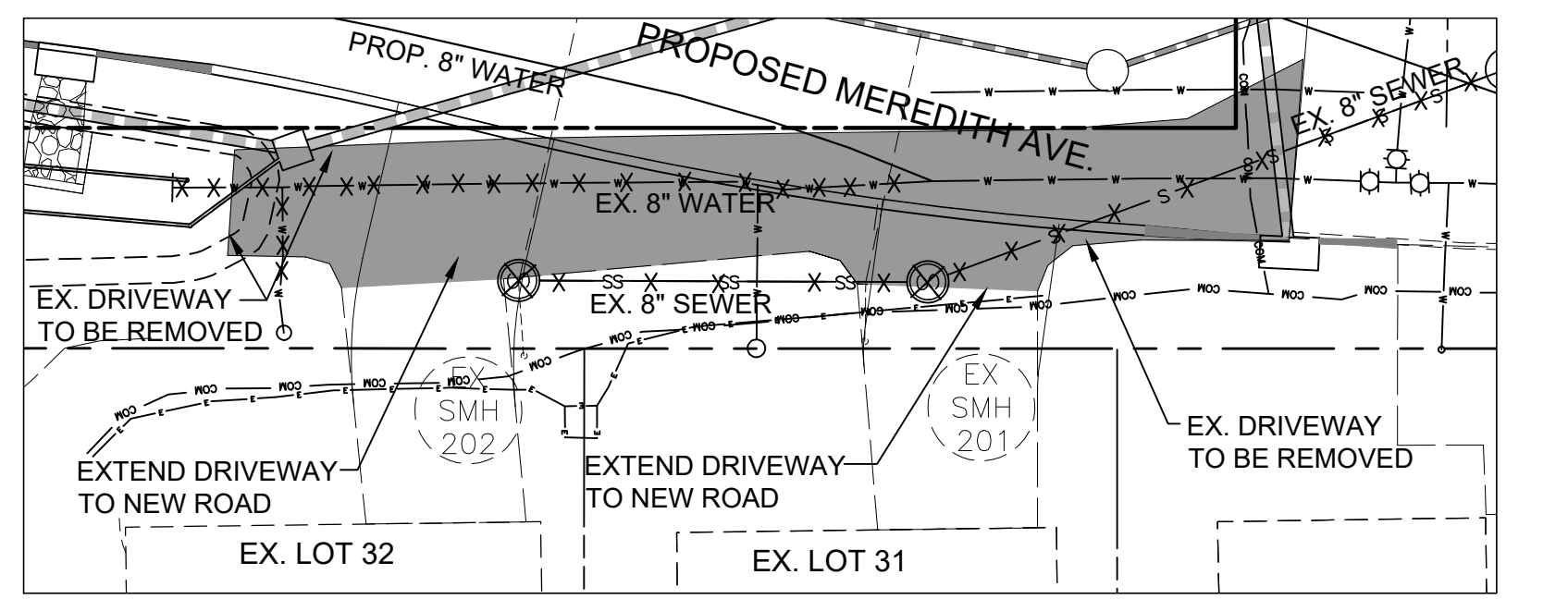
PUBLIC STREET LIGHT SCHEDULE		
SYMBOL	LOCATION	DESCRIPTION
★	MEREDITH AVE: RD STA. 0+22.45' RIGHT*	LED-100 COLONIAL POST-TOP FIXTURE
	MEREDITH AVE: RD STA. 1+77.24' LEFT	14" POLE HEIGHT
	MEREDITH AVE: RD STA. 3+40.17' LEFT	*RELOCATED EXISTING LIGHT POLE



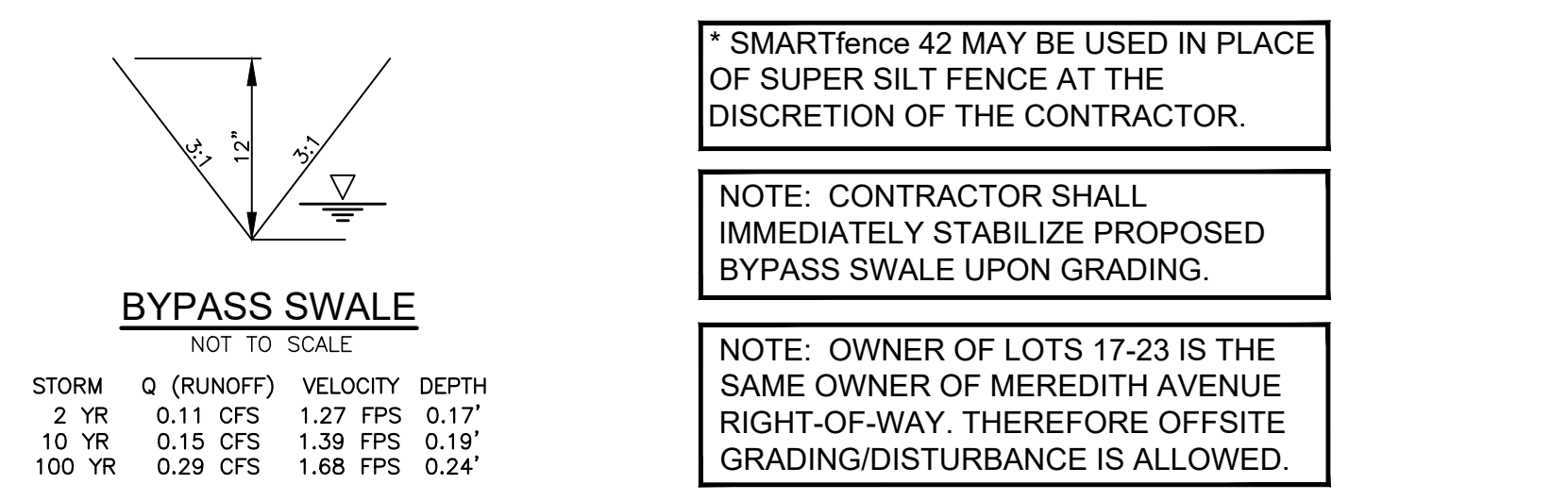
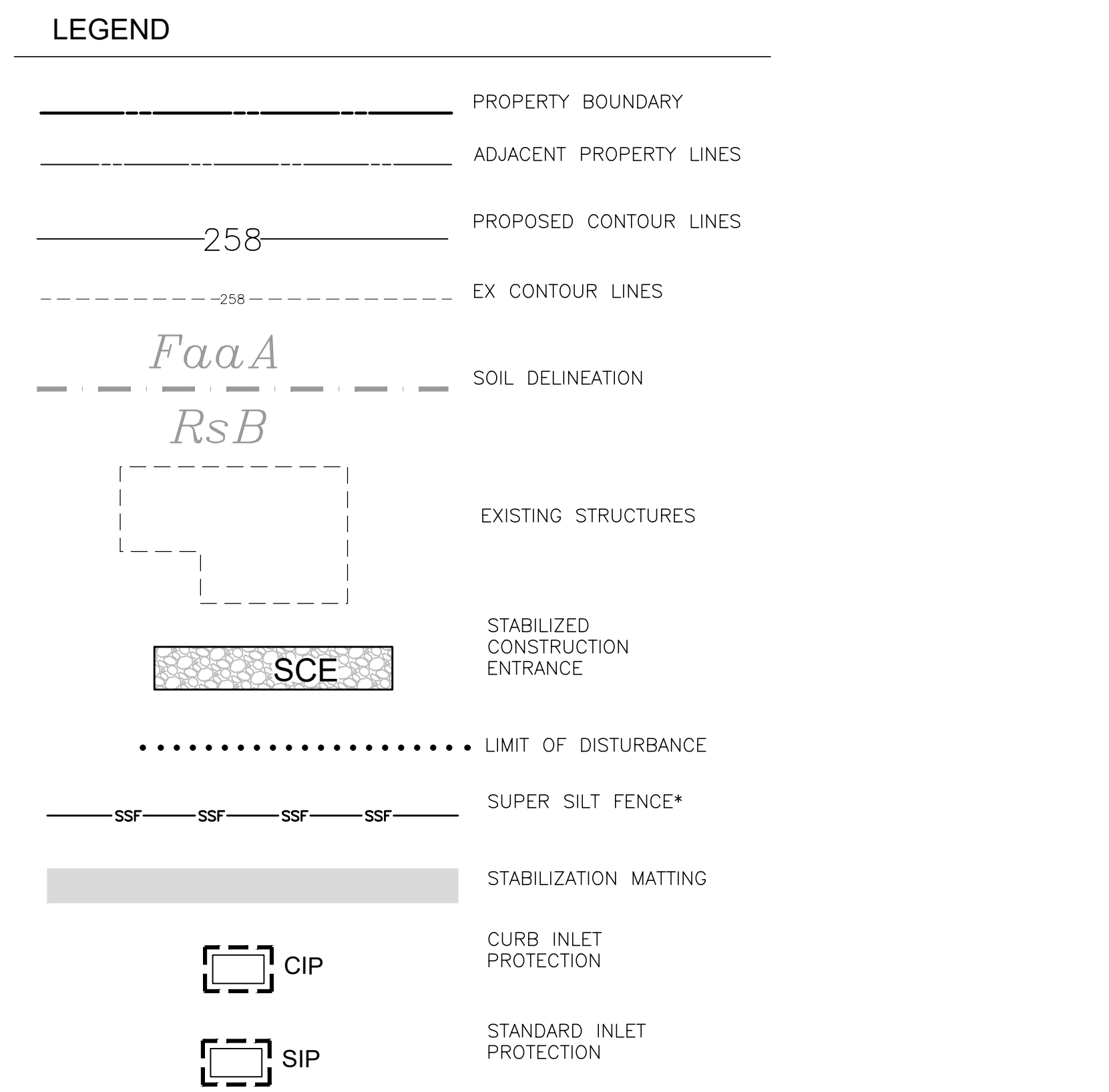
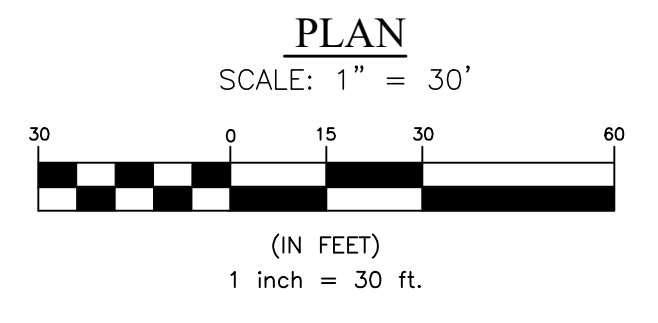
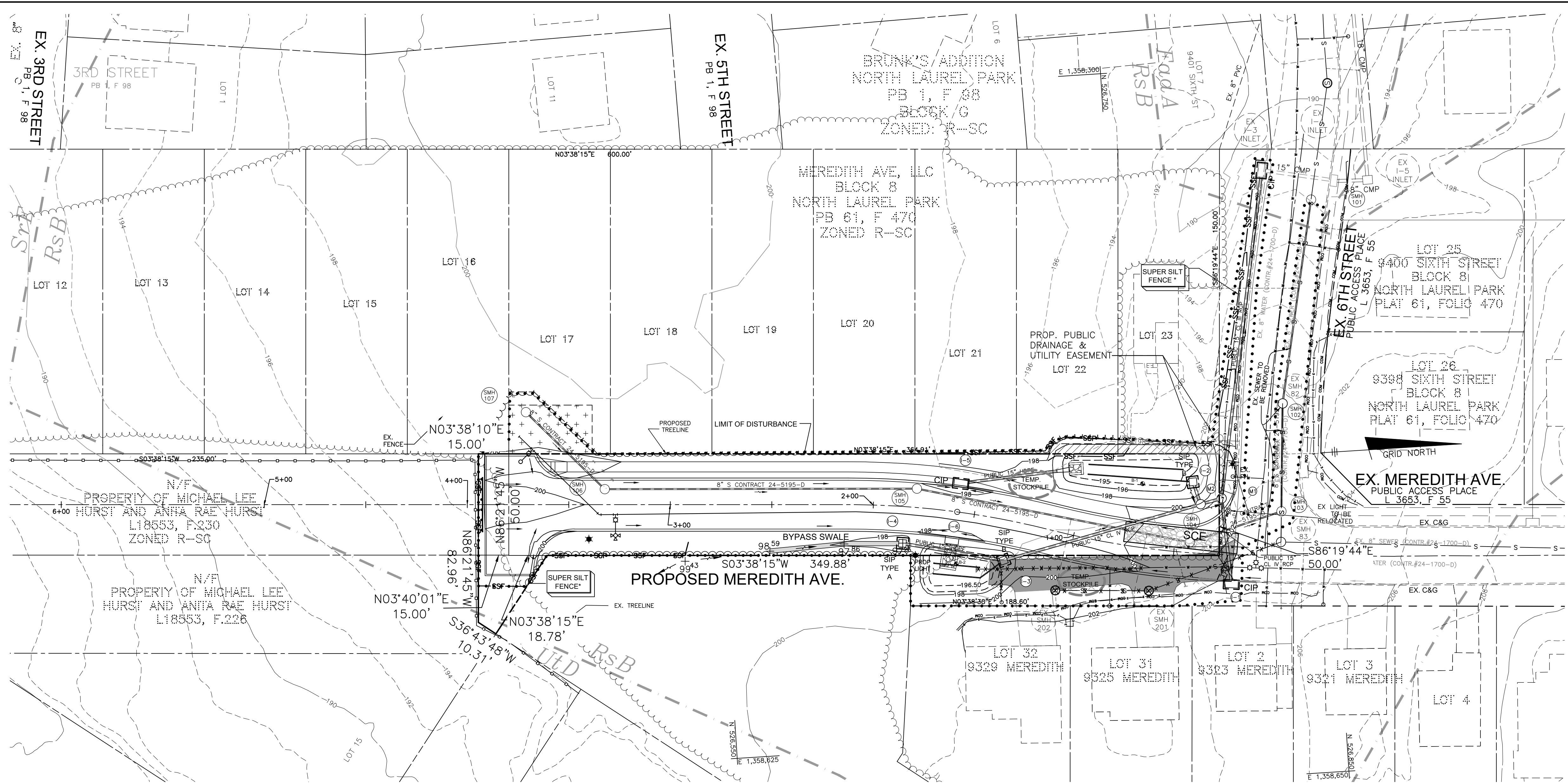
SECTION NUMBER	CALIFORNIA BEARING RATIO (CBR)	3 TO <5		5 TO <7		7 TO <9		9 TO <12	
		MIN.	SUPERPAVE ASPHALT MIX WITH GAB	MIN.	SUPERPAVE ASPHALT MIX WITH GAB	MIN.	SUPERPAVE ASPHALT MIX WITH GAB	MIN.	SUPERPAVE ASPHALT MIX WITH GAB
P-2	PAVEMENT MATERIAL (INCHES)								
	9.5 MM PG 64-22S, LEVEL 1 (ESAL)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	9.5 MM PG 64-22S, LEVEL 1 (ESAL)	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	19.0 MM PG 64-22S, LEVEL 1 (ESAL)	2.0	2.0	2.0	3.5	2.0	2.0	2.0	2.0
	GRADED AGGREGATE BASE (GAB)	8.0	4.0	3.0	4.0	4.0	4.0	4.0	4.0

HOWARD COUNTY DETAIL R-2.01
TYPICAL PAVING SECTION DETAIL
NOT TO SCALE

*PAVING SECTION SHALL BE CONFIRMED BY THE GEOTECHNICAL ENGINEER IN THE FIELD BASED ON THE CBR TESTS.



NO. DATE		REVISION	
 BENCHMARK ENGINEERS & LAND SURVEYORS & PLANNERS ENGINEERING, INC. 3300 NORTH RIDGE ROAD & SUITE 140 • ELICOTT CITY, MARYLAND 21043 (P) 410-465-6105 (F) 410-465-8644 WWW.BE-CIVLENGINEERING.COM		 YAN ZHANG PROFESSIONAL ENGINEER 28376 3/26/2024	
OWNER/DEVELOPER: MEREDITH AVE. LLC 9693 GERWIG LANE - SUITE L COLUMBIA, MD 21046 443-676-2417		MEREDITH AVENUE NORTH LAUREL PARK TAX MAP: 50 GRID: 4 PARCEL: 426 ZONED: R-SC ELECTION DISTRICT NO. 6th HOWARD COUNTY, MARYLAND	
ROAD CONSTRUCTION PLAN AND PROFILES			
DATE: MARCH 2024	BEI PROJECT NO. 3058	SHEET 2 OF 7	
DESIGN: AAM	DRAFT: AAM	SCALE: AS SHOWN	



SOILS LEGEND			
SYMBOL	TYPE	K* FACTOR	NAME
**RsB	C	.43	RUSSETT FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES
**Sre	B	.32	SASSAFRAS AND CROOM SOILS, 15 TO 25 PERCENT SLOPES

SOIL MAPPING AND SOIL DATA TAKEN FROM NRCS WEB SOIL SURVEY, OCTOBER 2022.
*WHOLE SOIL K FACTOR
**HIGHLY ERODIBLE SOILS K>0.35 AND SLOPES>5%, OR GREATER THAN 15% SLOPES

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Approved by: *Alexander Bratchie* 4/16/2024
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS
Approved by: *[Signature]* 4/24/2024
CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Approved by: *[Signature]* 4/15/2024
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

Approved by: *[Signature]* 4/22/2024
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

ENGINEER'S CERTIFICATE

"I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH CURRENT MARYLAND EROSION AND SEDIMENT CONTROL LAWS, REGULATIONS, AND STANDARDS, THAT IT REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

[Signature] 3/26/2024
ALICE A MILLER, P.E. MD PE 28376 DATE

DEVELOPER'S CERTIFICATION

"I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL ON EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. I CERTIFY RIGHT-OF-ENTRY FOR PERIODIC ON-SITE EVALUATION BY HOWARD COUNTY, THE HOWARD SOIL CONSERVATION DISTRICT AND/OR MDE."

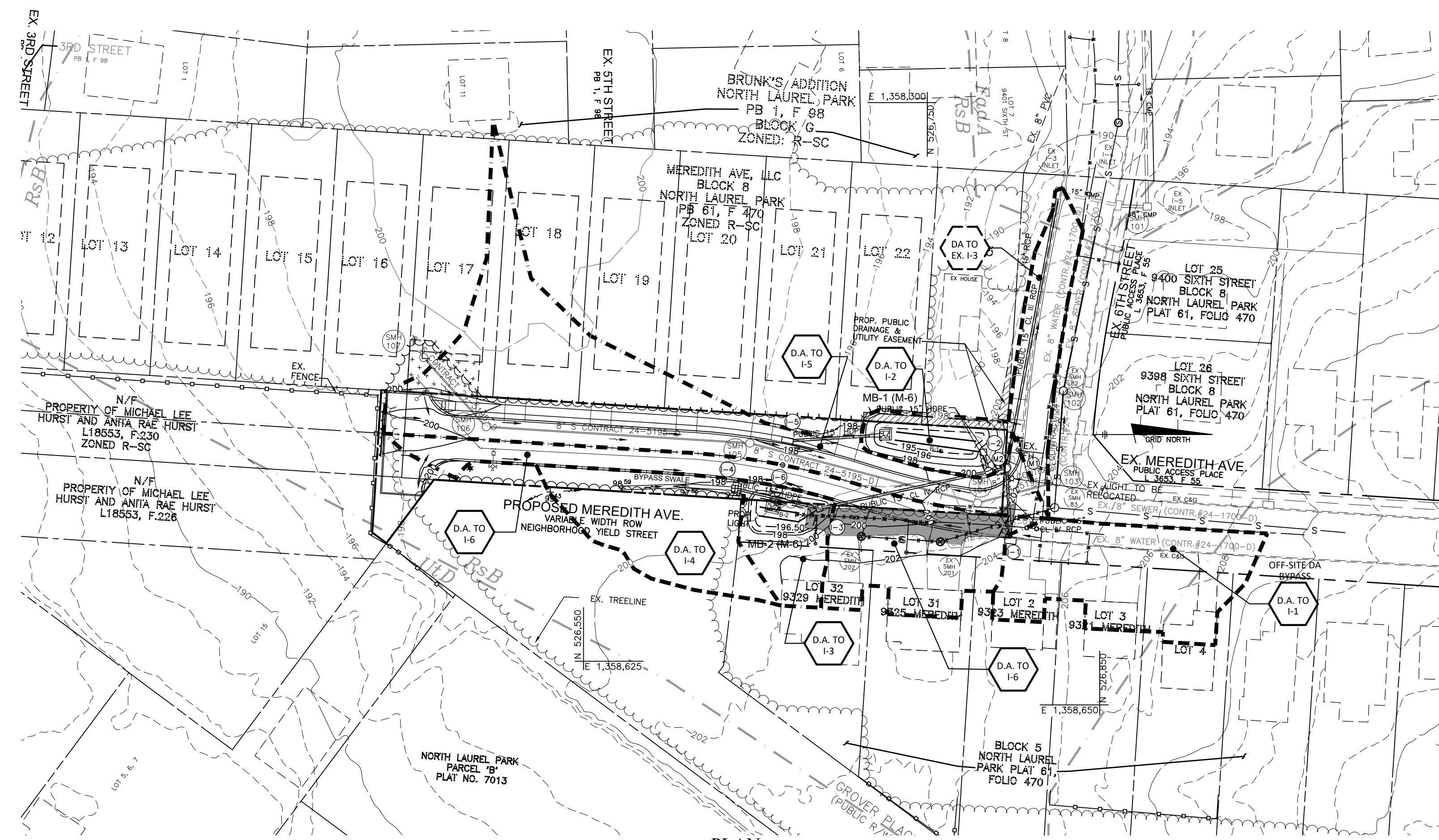
[Signature] 3/26/2024
BRIAN BOY - MEREDITH AVE., LLC DATE

NO.	DATE	REVISION

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
3300 NORTH RIDGE ROAD & SUITE 140 • ELICOTT CITY, MARYLAND 21043
(P) 410-465-6105 (F) 410-465-8644
WWW.BEI-CIVLENGINEERING.COM

3/26/2024

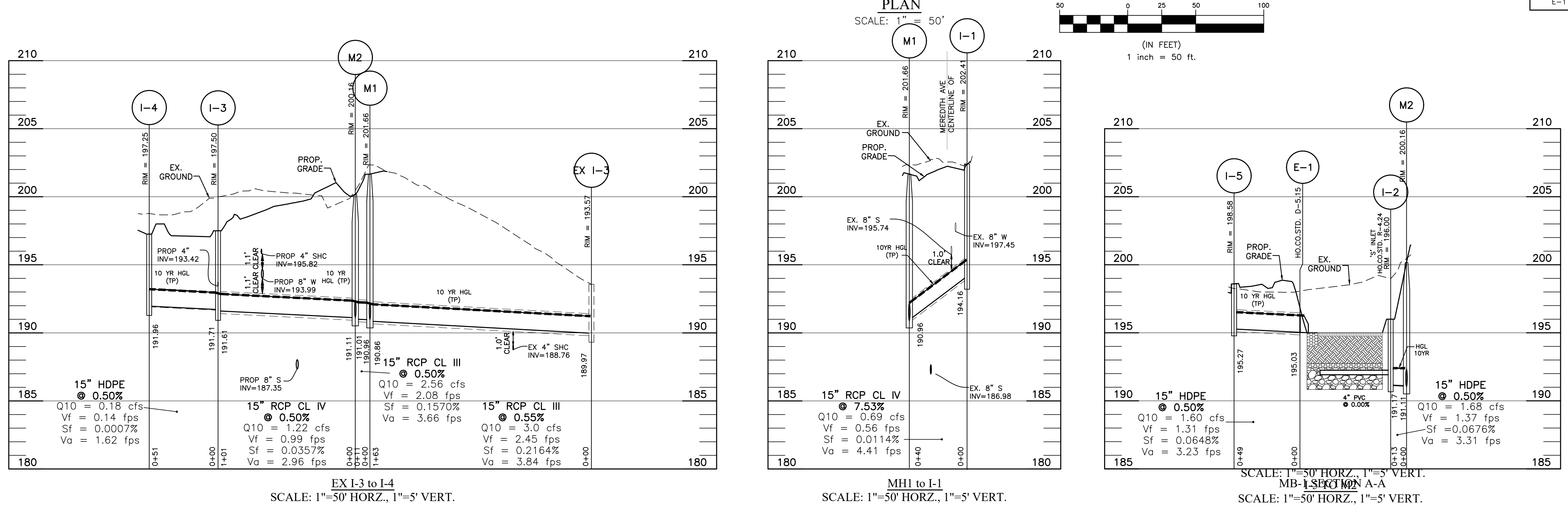
OWNER/DEVELOPER: MEREDITH AVE, LLC 9693 GERWIG LANE - SUITE L COLUMBIA, MD 21046 443-676-2417	MEREDITH AVENUE NORTH LAUREL PARK TAX MAP: 50 GRID: 4 PARCEL: 426 ZONED: R-SC ELECTION DISTRICT NO. 6th HOWARD COUNTY, MARYLAND FINAL GRADING, SEDIMENT AND EROSION CONTROL PLAN
DATE: FEBRUARY 2024 DESIGN: AAM DRAFT: AAM	BEI PROJECT NO. 3058 SHEET 3 OF 7



AREA AND "C" FACTOR TABULATION					
INLET #	ZONING (Z)	AREA (Ac) (A)	"C" FACTOR (C)<25	"C" FACTOR (C)>25	% IMPERVIOUS (P)>25
I-1	R-SC	0.19	0.55	0.65	71.1
I-2	R-SC	0.06	0.19	0.23	0.0
I-3	R-SC	0.07	0.63	0.72	78.2
I-4	R-SC	0.14	0.16	0.20	0.0
I-5	R-SC	0.39	0.56	0.62	68.4
I-6	R-SC	0.22	0.62	0.70	73.5
EX-1-3	R-SC	0.09	0.86	0.96	100.0

PIPE TABLE			
SIZE / MATERIAL	LENGTH	OWNER	
15" RCP CL III	176 LF	PUBLIC	
15" RCP CL IV	139 LF	PUBLIC	
15" HDPE	113 LF	PUBLIC	
4" PVC (PERF)	138 LF	PUBLIC	
4" PVC	34 LF	PUBLIC	

STRUCTURE TABLE							
NUMBER	TYPE	LOCATION	INVERT IN	INVERT OUT	TOP ELEV.	STD. DETAIL	OWNER
EX. I-3	A-5	EXISTING ON SIXTH STREET	189.97(15")		193.57		PUBLIC
I-1	A-5	CL STA. 0+21.22, OFFSET 14.36 LEFT		194.16(15")	202.41	D-4.02	PUBLIC
I-2	"S"	CL STA. 0+43.28, OFFSET 34.90 RIGHT	191.92(4")	191.17(15")	196.00	D-4.24	PUBLIC
I-3	"S"	CL STA. 1+31.37, OFFSET 19.80 LEFT	191.71(15") 193.42(4")	191.61(15")	197.50	D-4.24	PUBLIC
I-4	"S"	CL STA. 1+84.41, OFFSET 18.14 LEFT		191.96(15")	197.25	D-4.24	PUBLIC
I-5	A-5	CL STA. 1+58.62, OFFSET 14.25 RIGHT		195.27(15")	198.58	D-4.02	PUBLIC
I-6	FLOW THRU	CL STA. 1+58.62, OFFSET 14.25 LEFT			198.58	D-4.35	PUBLIC
MH1	48" MH	CL STA. 0+28.13, OFFSET 25.42 LEFT	190.96(15") 190.89(15")	190.86(15")	201.61	G-5.12	PUBLIC
MH2	48" MH	CL STA. 0+38.40, OFFSET 24.19 RIGHT	191.11(15") 191.11(15")	191.01(15")	200.16	G-5.12	PUBLIC
E-1	15" ES	CL STA. 1+09.85, OFFSET 31.06 RIGHT	195.03(15")			D-5.15	PUBLIC



SOILS LEGEND		
SYMBOL	TYPE	NAME
**Rsb	C 4.3	RUSSETT FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES
**SE	B 3.2	SASSAFRAS AND CROOM SOILS, 15 TO 25 PERCENT SLOPES

SOIL MAPPING AND SOIL DATA TAKEN FROM NRCS WEB SOIL SURVEY, OCTOBER 2022.
*WHOLE SOIL K FACTOR
**HIGHLY ERODIBLE SOILS K>0.35 AND SLOPES>5%, OR GREATER THAN 15% SLOPES

NOTE: SEE STORMWATER MANAGEMENT PLAN FOR ADDITIONAL FACILITY DESIGN INFORMATION

APPROVED: DEPARTMENT OF PUBLIC WORKS
 4/24/2024
 CHIEF, BUREAU OF HIGHWAYS

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 4/15/2024
 CHIEF, DIVISION OF LAND DEVELOPMENT

4/22/2024
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

NO. DATE REVISION

BENCHMARK ENGINEERING, INC.
 3300 NORTH RIDGE ROAD & SUITE 140 & SUITE 140 ELLICOTT CITY, MARYLAND 21043
 (P) 410-465-6105 (F) 410-465-8644
 WWW.BE-CIVLENGINEERING.COM

STATE OF MARYLAND PROFESSIONAL ENGINEER
 3/26/2024

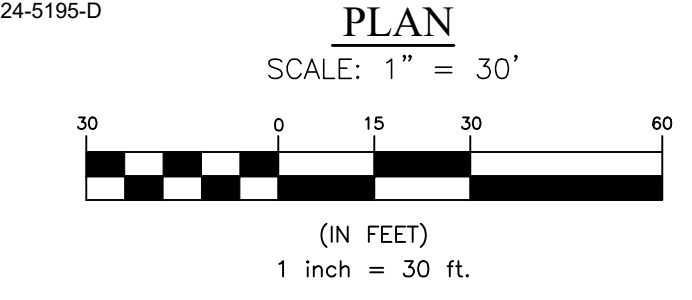
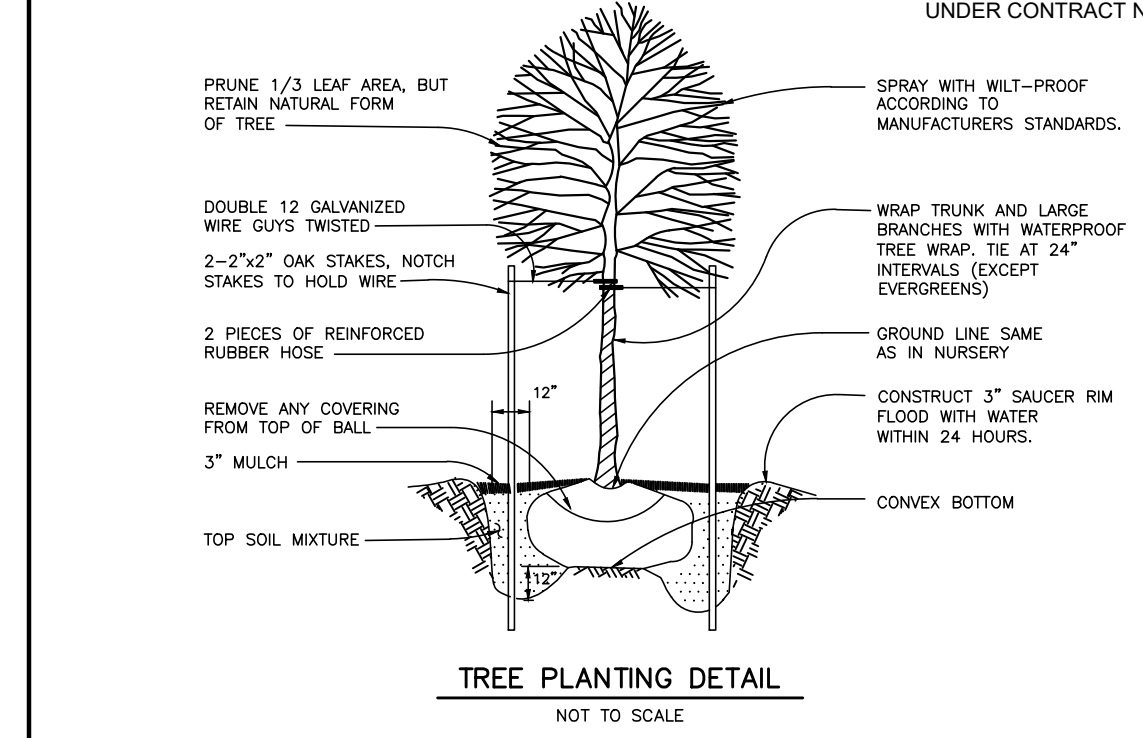
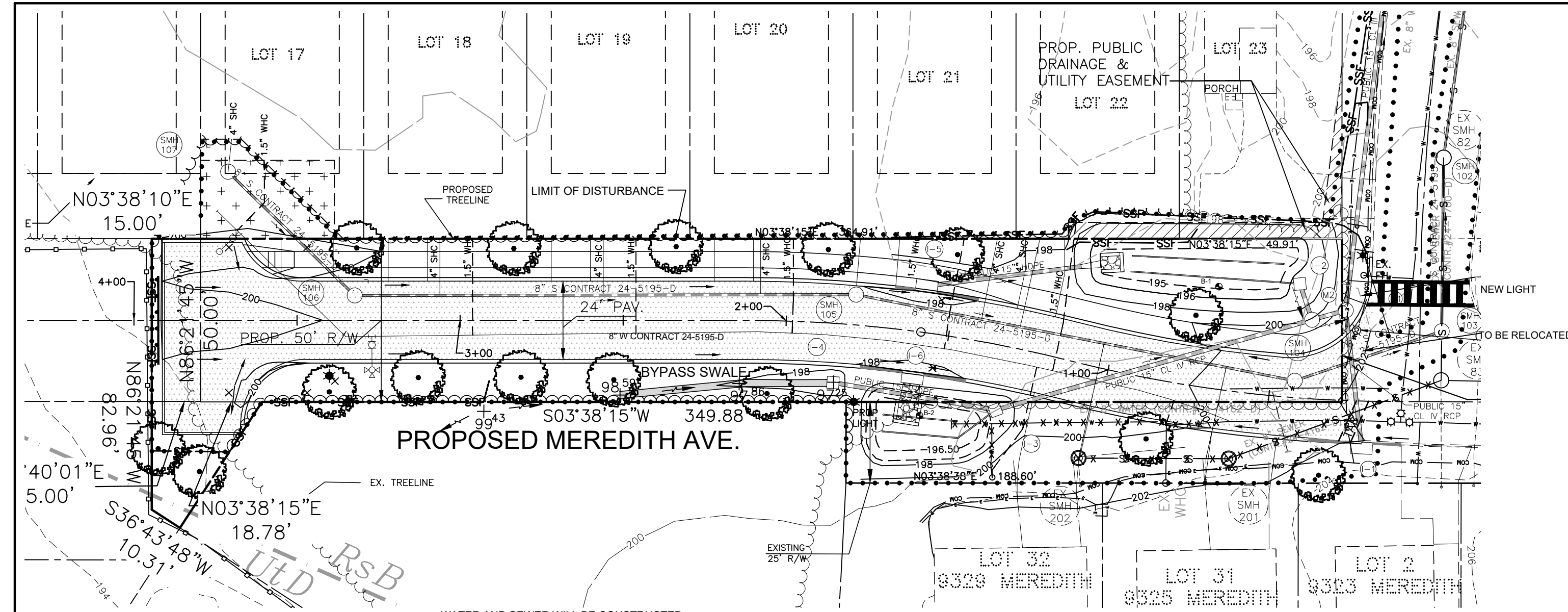
OWNER/DEVELOPER:
 MEREDITH AVE. LLC
 9693 GERWIG LANE - SUITE L
 COLUMBIA, MD 21046
 443-676-2417

MEREDITH AVENUE
 NORTH LAUREL PARK

TAX MAP: 50 GRID: 4 PARCEL: 426
 ZONED: R-SC
 ELECTION DISTRICT NO. 6th HOWARD COUNTY, MARYLAND

STORMDRAIN PLAN, PROFILES AND DRAINAGE AREA MAP

DATE: MARCH 2024 BEI PROJECT NO. 3058
 DESIGN: AAM DRAFT: AAM SCALE: AS SHOWN SHEET 5 OF 7



- STREET TREE NOTES**
- STREET TREES SHALL BE PROVIDED BY THE DEVELOPER AS SHOWN ON THESE PLANS.
 - TREES MUST BE A MINIMUM OF FOUR (4) FEET FROM PAVEMENT AND MUST BE A MINIMUM OF FIVE (5) FEET FROM ANY STORM DRAIN, IF APPLICABLE.
 - TREE MUST BE PLANTED A MINIMUM OF TEN (10) FEET FROM A DRIVEWAY APRON.
 - THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SEC. 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
 - THIS LANDSCAPE PLAN IS IN ACCORDANCE WITH SECTION 16.124 OF HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. STREET TREES ARE BONDED WITH THE DEVELOPER'S AGREEMENT.
 - ALL TREE SPECIES SHOWN ON THESE PLANS ARE RECOMMENDATIONS AND MAY BE SUBSTITUTED WITH APPROVED EQUIVALENTS FROM THE HOWARD COUNTY LANDSCAPE MANUAL. AT THE TIME OF INSTALLMENT, ALL TREES HERE WITHIN LISTED AND APPROVED FOR THIS ROAD PLAN, SHALL BE OF THE PROPER HEIGHT REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL.

SYMBOL	QUANTITY	NAME	REMARKS
	15	TILIA CORDATA 'GREENSPIRE' (Greenspire Littleleaf Linden)	2 1/2" MIN. CAL. B&B FULL HEAD

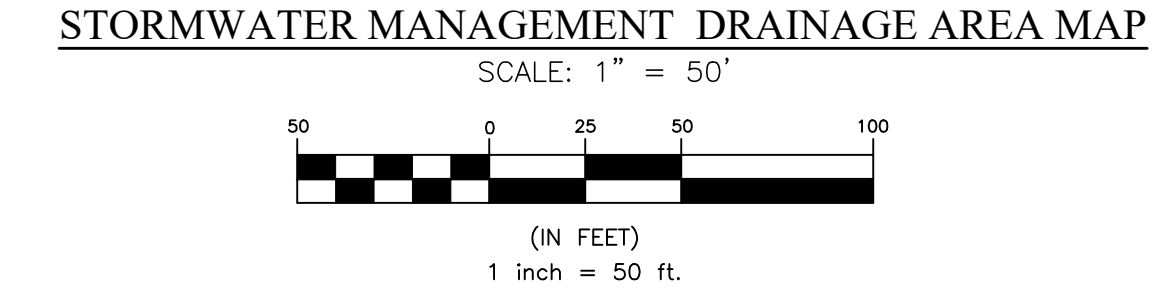
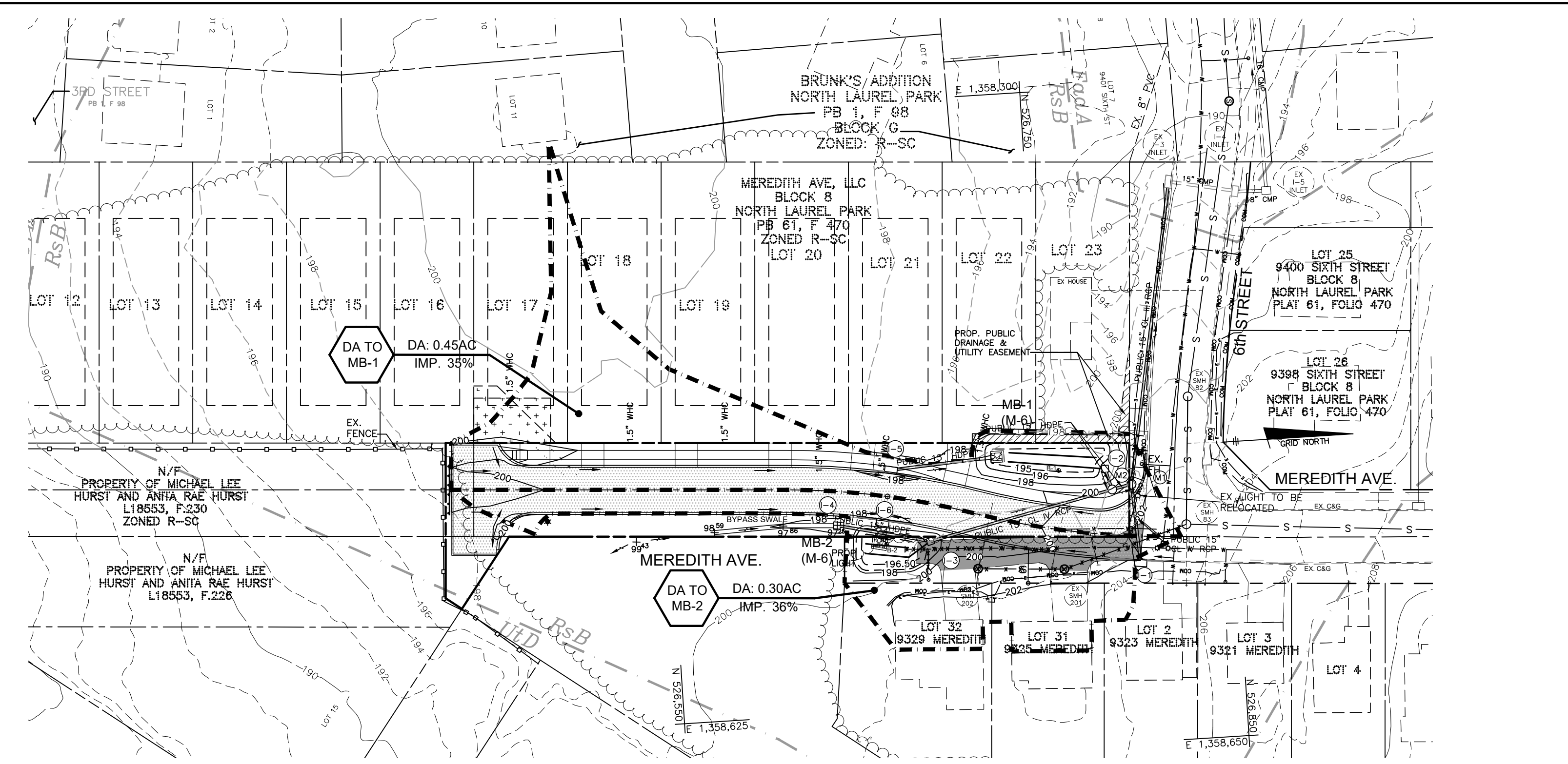
ROADWAY	FRONTAGE FT	RETENTION CREDIT	OBLIGATION (1 TREE PER 40')	PROVIDED
MEREDITH AVE.	*586'	--	15	15

* FRONTAGE IS THE ROAD STATION LENGTH, REDUCED BY THE ENTRANCE FILLET AND THE TREE TURN-AROUND, MULTIPLIED BY 2.

DEVELOPER'S/BUILDER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE-YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

Brian Boy 3/26/2024
DEVELOPER DATE



- LEGEND**
- PROPERTY BOUNDARY
 - ADJACENT PROPERTY LINES
 - PROPOSED CONTOUR LINES
 - EX CONTOUR LINES
 - SOIL DELINEATION
 - EXISTING STRUCTURES
 - DRAINAGE AREA

BORING LOG Date: 4/4/2022

Client: Cornerstone Homes
Project: Meredith Avenue, Laurel, Howard County, MD
Project No. 122-067
Boring No. B-1 (1 of 1) Total Depth: 13 Elev: 198.84 Location: See Boring Location Plan
Type of Boring: Hand Auger Started: 3/30/2022 Completed: 3/31/2022 Driller: D. Adams

Elevation	Depth	DESCRIPTION OF MATERIALS (classification)	Sample Blow	Sample Depth (Feet)	Moisture Content	REMARKS
198.84	0.0	Forrest litter with topsoil and root (organic) matter				Groundwater was not encountered during drilling or at completion Infiltration testing performed at 9.3 feet
198.34	0.5	Orange-brown silty CLAY with some fine sand, wet to moist (USCS: CL, USDA: Clay Loam)	2.0	18.7		
			2.5			
195.84	3.0	Red-brown silty CLAY with trace fine sand, moist (USCS: CL, USDA: Silty Clay)	4.0			18.0
			4.5			
			6.0			
			6.5			
			8.0			
			8.5			17.2
187.84	11.0	Gray silty CLAY with some gravel and trace fine sand, moist (USCS: CL, USDA: Silty Clay)	12.0			
			12.5			
185.84	13.0	End of Boring				

BORING LOG Date: 5/1/2023

Client: Cornerstone Homes
Project: Meredith Avenue, Laurel, Howard County, MD
Project No. 122-067
Boring No. B-2 (1 of 1) Total Depth: 10 Elev: 199.0 +/- Location: See Boring Location Plan
Type of Boring: Hand Auger Started: 4/27/2023 Completed: 4/27/2023 Driller: D. Rockwood

Elevation	Depth	DESCRIPTION OF MATERIALS (classification)	Sample Blow	Sample Depth (Feet)	Moisture Content	REMARKS
199.0	0.0	Grass with topsoil and root (organic) matter				Groundwater was not encountered during drilling. At the end of the day, water was at 9.0 feet.
198.5	0.5	Light brown to red-brown fine sandy and silty CLAY, moist (USCS: CL, USDA: Clay Loam)	2.0	18.5		
			2.5			
			4.0			14.7
			4.5			
			6.0			
			6.5			20.4
192.0	7.0	Red-brown silty CLAY with trace fine sand, moist (USCS: CL, USDA: Silty Clay)	8.0			
			8.5			
			9.5			End of Boring
189.0	10.0		10.0			

SOILS LEGEND

SYMBOL	TYPE	K* FACTOR	NAME
**R8B	C	.43	RUSSETT FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES
**S8E	B	.32	SASSAFRAS AND CROOM SOILS, 15 TO 25 PERCENT SLOPES

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MEREDITH AVENUE
NORTH LAUREL PARK

TAX MAP: 50 GRID: 4 PARCEL: 426
ZONED: R-SC
ELECTION DISTRICT NO. 6th HOWARD COUNTY, MARYLAND

LANDSCAPE PLAN AND STORMWATER MANAGEMENT DRAINAGE AREA MAP

DATE: MARCH 2024 BEI PROJECT NO. 3058
DESIGN: AAM DRAFT: AAM SCALE: AS SHOWN SHEET 6 OF 7

