

C. I. P. PROJECT 502310
70% DESIGN PLANS

IT IS THE RESPONSIBILITY OF PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF APPROVED SEDIMENT CONTROL PERMIT.					
TYPE OF PERMIT	RECD	NOT REQD	PERMIT NO.	EXPIRATION DATE	WORK RESTRICTION DATES
M.C.D.E.P. Floodplain District		X			
WATERWAY/WETLANDS					
a. Corps of Engineers		X			
b. M.D.E.		X			
c. M.D.E. Water Quality Certification		X			
M.D.E. Dam Safety		X			
DPS Roadside Tree Protection Plan	X		TBD		
N.P.D.E.S. NOTICE OF INTENT	X		TBD		
M.C.D.P.S. STORMWATER MANAGEMENT	X		289596		
M.C.D.P.S. SEDIMENT CONTROL	X		289596		
FEMA LOWP (REQUIRED POST CONSTRUCTION)		X			
OTHERS: (PLEASE LIST)					
SHA ACCESS PERMIT		X			

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 OF 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

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES EXECUTIVE REGULATIONS 5-90, 7-02AM AND 36-90, AND MONTGOMERY COUNTY DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION "STORM DRAIN DESIGN CRITERIA" DATED JUNE, 2014.

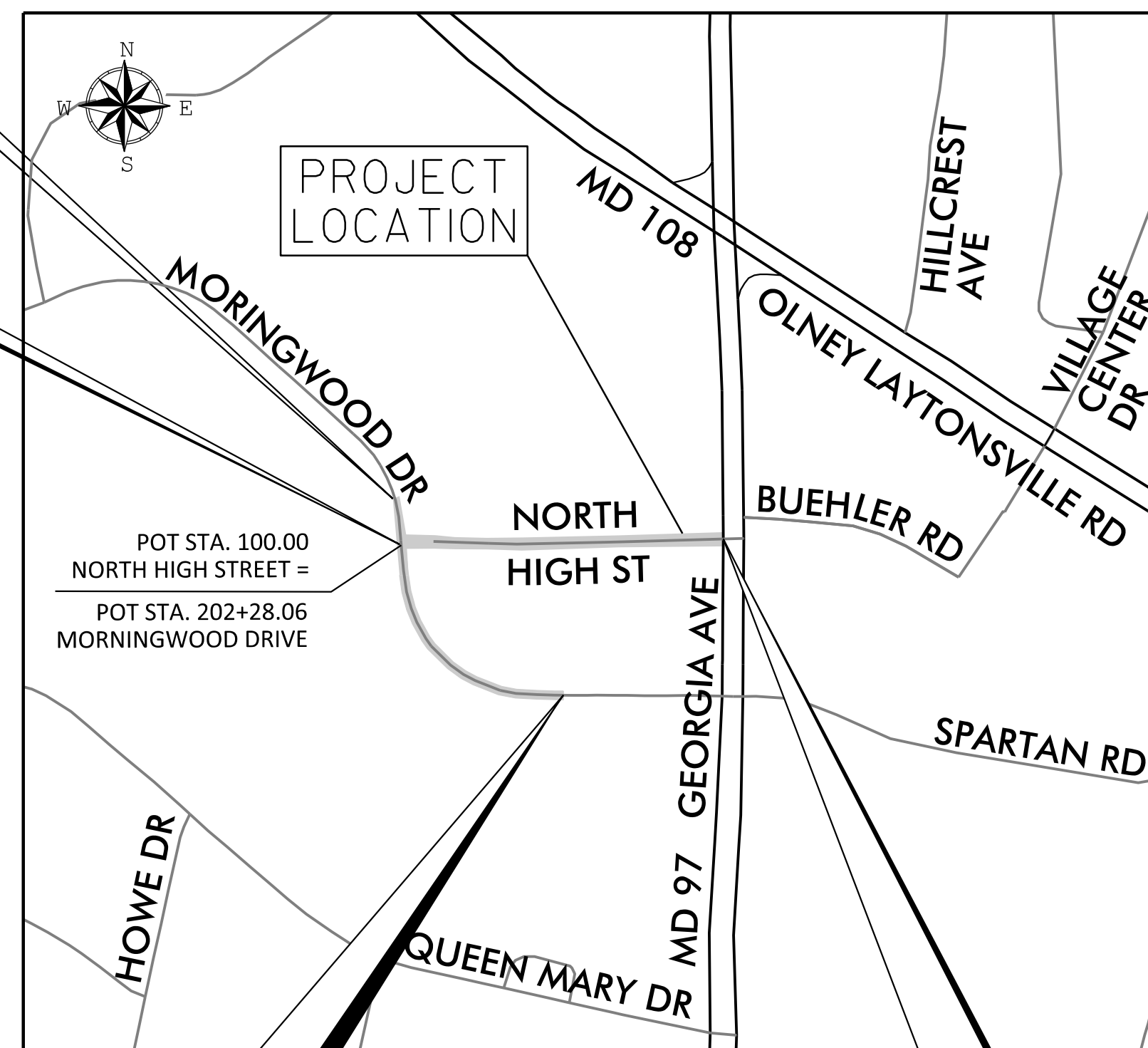
DATE _____

JASON D. COSLER, P.E.
MD REGISTRATION NO. 28467

I FURTHER CERTIFY THAT THE TOTAL AMOUNTS OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAVE BEEN COMPUTED TO BE XX CUBIC YARDS OF EXCAVATION AND XX CUBIC YARDS OF FILL AND THAT THE TOTAL AREA TO BE DISTURBED AS SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE A MAXIMUM OF XX SQUARE FEET OR XX ACRES.

NEIL S. PATEL, P.E.
MD REGISTRATION NO. 38956

DATE _____



OLNEY, MD
MONTGOMERY COUNTY
PROJECT LENGTH = 0.08 MILES

VICINITY MAP
SCALE : 1" = 300'

LIMIT OF WORK
C.I.P. PROJECT 502310
MORINGWOOD DRIVE
STA. 196+18

LIMIT OF WORK
C.I.P. PROJECT 502310
NORTH HIGH STREET
STA. 107+00

DESIGN DESIGNATION		
ROADWAY	NORTH HIGH STREET	MORNINGWOOD DRIVE
DESIGN SPEED M. P. H.	25 MPH	25 MPH
FUNCTIONAL CLASSIFICATION	TOWN CENTER STREET	NEIGHBORHOOD CONNECTOR
TERRAIN	ROLLING	ROLLING

		MCDPS-SC/SWM SHEET NO.	OF X
MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:		NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED FOR A <u>MCDPS ACCESS PERMIT</u> .	
STORMWATER MANAGEMENT	SEDIMENT CONTROL TECHNICAL REQUIREMENTS	ADMINISTRATIVE REQUIREMENTS	
	Reviewed Date	Reviewed Date	
Reviewed Date	Approved Date		
		SEDIMENT CONTROL PERMIT NO.	
Approved Date			
281562		MCDPS APPROVAL OF THIS PLAN WILL EXPIRE TWO YEARS FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED.	
S.M. FILE NO.			
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 DIVERSIFY 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 CIVIL LIABILITY RESPONSIBILITY FOR THE PROTECTION OF THE ENVIRONMENT AS FAR AS FEASIBLE.			

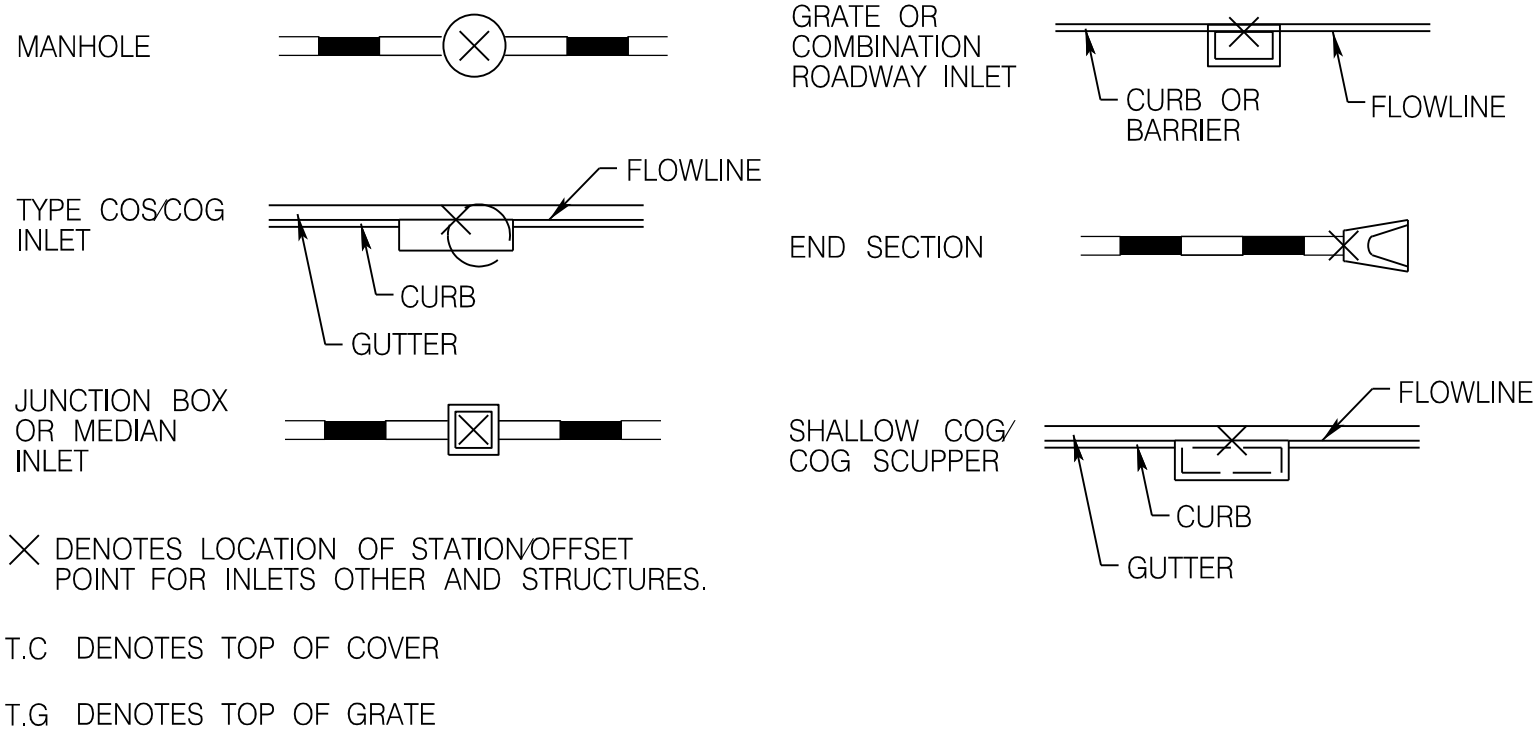
				ADEQUACY OF THE DRAINAGE DESIGN AS IT AFFECTS OFFICIAL OR DOWNHILL PROPERTIES.	
				MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND	
				TITLE SHEET NORTH HIGH STREET EXTENDED FROM GEORGIA AVENUE (MD 97) TO MORNINGWOOD DRIVE	
				RECOMMENDED FOR APPROVAL _____ Date _____ Chief, Transportation Planning and Design Section APPROVED	
				_____ Date _____ Chief, Division of Transportation Engineering	
				SCALE : NTS Project No. : <u>502310</u> SHEET <u>1</u> of <u>40</u>	
NO.	REVISION	DATE	BY	Designed by: _____ Drawn by: _____ Checked by: _____	

\$\$\$DGN\$PEC\$\$\$
TO A TE APP\$

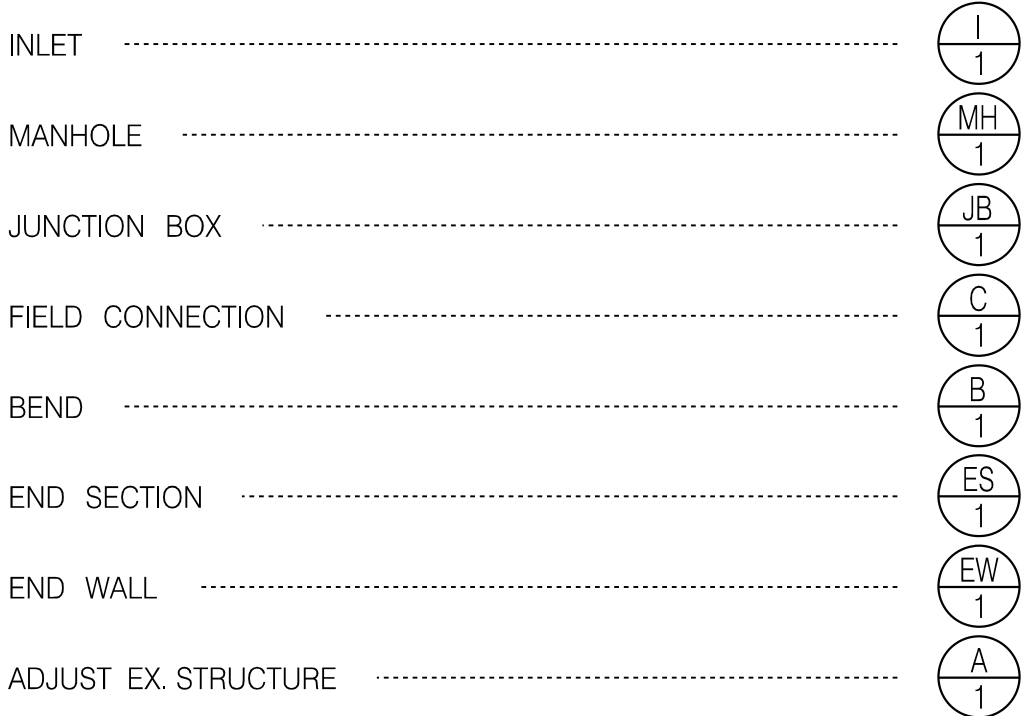
INDEX OF SHEETS

SHEET NO.	DRAWING DESCRIPTION
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3	HT-01 – ROADWAY TYPICAL SECTIONS
4	HT-02 – ROADWAY TYPICAL SECTIONS
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6	HD-01 – ROADWAY PLAN
7	HD-02 – ROADWAY PLAN
8	HP-01 – ROADWAY PROFILE
9	HP-02 – ROADWAY PROFILE
10	CL-01 – CURB LAYOUT
11	CL-02 – CURB LAYOUT
12	CL-03 – CURB LAYOUT
13	CL-04 – CURB LAYOUT
14	CL-05 – CURB LAYOUT
15	CL-06 – CURB LAYOUT
16	CL-07 – CURB LAYOUT
17	CL-08 – CURB LAYOUT
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20	CL-11 – CURB LAYOUT
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25	SN-02 – SIGNING AND MARKING PLAN
26	S-1 – RETAINING WALL GENERAL PLAN AND ELEVATION
27	S-2 – RETAINING WALL TYPICAL SECTION
28	S-3 – BORING LOGS AND TEST DRIVES
29	S-4 – STANDARD DETAILS
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37	SC0010 – EROSION AND SEDIMENT CONTROL PLAN – STAGE 2
38	SC0011 – EROSION AND SEDIMENT CONTROL DETAILS
39	SC0012 – EROSION AND SEDIMENT CONTROL DETAILS
40	LD-01 – LANDSCAPE PLAN

DRAINAGE STRUCTURE
STAKEOUT LOCATION



DRAINAGE BUBBLES
(SAMPLES)



ABBREVIATIONS

A.A.S.H.T.O.....	American Association of State Highway Transportation Officials	L.F.....	Linear Feet	S.E.....	Superelevation
APPROX.....	Approximate	LP.....	Low Point	SF.....	Silt Fence
B or B/L.....	Baseline	LT.....	Left	S.F.....	Square Feet
C.C.....	Center of Curve	MARC.....	Maryland Area Rail Commuter	SS.....	Sanitary Sewer
C or C/L.....	Centerline	MAX.....	Maximum	SSD.....	Stopping Sight Distance
C.I.P.....	Cast Iron Pipe	MDOT.....	Montgomery County Department of Transportation	SSF.....	Super Silt Fence
C.M.P.....	Corrugated Metal Pipe	MDOT SHA.....	Maryland Department of Transportation State Highway Administration	STD.....	Standard
C.O.....	Cleanout	MH.....	Manhole	STA.....	Station
COMB.....	Combination	MOD.....	Modified	SO.....	Single Opening
CONC.....	Concrete	MIN.....	Minimum	S.Y.....	Square Yards
CONSTR.....	Construction	N.....	North	SWM.....	Stormwater Management
C.P.P.....	Corrugated Polyethylene Pipe	NB.....	Northbound	SW.....	Sidewalk
C.P.P.-S.....	Corrugated Polyethylene Pipe, Type "S"	NE.....	Northeast	T.....	Tangent
CY.....	Cubic Yard	NTS.....	Not To Scale	T.....	Telephone
D.B.H.....	Diameter Breast Height	O.C.....	On Center	T.C.P.....	Terra Cotta Pipe
DC.....	Degree of Curve	PERF.....	Perforated	TH.....	Test Hole
D.H.V.....	Design Hourly Volume	P.C.....	Point of Curvature	TYP.....	Typical
D.I.....	Drop Inlet	P.C.C.....	Point of Compound Curve	U.P.....	Utility Pole
DIA.....	Diameter	P/C.....	Point of Crown	VAR.....	Varies
D.O.....	Double Opening	P/GE.....	Profile Grade Elevation	V.C.L.....	Vertical Curve Length
E.....	East	P.G.E.....	Profile Ground Elevation	W.....	Water
E.....	Electric	P.G.L.....	Profile Grade Line	W.....	West
E.....	External Distance	P/GL.....	Profile Ground Line	WB.....	Westbound
EA.....	Each	P/R.....	Point of Rotation		
E.B.....	Eastbound	P.I.....	Point of Intersection		
ELEV.....	Elevation	P.O.C.....	Point on Curve		
E.R.C.C.P.....	Elliptical Reinforced Cement Concrete Pipe	P.O.T.....	Point on Tangent		
ES.....	End Section	P.P.W.P.....	Polyvinyl Chloride Profile Wall Pipe		
EV.....	Electric Vehicle	PROP.....	Proposed		
EX. or EXIST.....	Existing	PT.....	Point		
FT.....	Feet	P.T.....	Point of Tangency		
F or FL.....	Flowline	P.V.C.....	Point of Vertical Curve		
FWD.....	Forward	PVC.....	Polyvinyl Chloride		
G.....	Gas	PVL.....	Point of Intersection		
H.E.R.C.P.....	Horizontal Elliptical Reinforced Concrete Pipe	R.....	Radius		
HP.....	High Point	RET. WALL.....	Retaining Wall		
HMA.....	Hot Mix Asphalt	RT.....	Right		
HT.....	Height	RW or R/W.....	Right of Way		
I.....	Inlet	R.C.P.....	Reinforced Cement Pipe		
IN.....	Inch	R.C.C.P.....	Reinforced Cement Concrete Pipe		
INV.....	Invert	S.....	South		
L.....	Length	SAM.....	Superpave Asphalt Mix		
LANDSC.....	Landscaped	SB.....	Southbound		
		S.D.....	Storm Drain		

LEGEND

①	TELEPHONE MANHOLE	_____	EXISTING W-BEAM
Ⓜ	WATER METER	_____	PROPOSED W-BEAM
⋈	WATER VALVE	_____	WETLAND BUFFER
Ⓢ	SEWER MANHOLE	_____	WETLAND
ⓓ	STORM DRAIN MANHOLE	_____	PROPOSED FENCE
⌚	GAS VALVE	-x- x-	EXISTING CHAINLINK FENCE
Ⓢ	SIGN	- - - - -	INDEX CONTOUR
☀	LIGHT POLE	- - 300 - -	INTERVAL CONTOUR
⊙	UTILITY POLE	┌- C -┐	TOP OF CUT
⌘	FIRE HYDRANT	┌- F -┐	TOE OF FILL
☁	TREE	-----	EXISTING RIGHT OF WAY LINE
⊙	BORING	— LOD —	LIMIT OF DISTURBANCE
Ⓜ	INLET (COG, GRATE)	— TCE —	TEMPORARY CONSTRUCTION EASEMENT
Ⓜ	MANHOLE	— PE —	PERPETUAL EASEMENT
Ⓢ	TEST PIT	_____	OVERHEAD ELECTRIC LINES
△	TRAVERSE POINT	_____	OVERHEAD TELEPHONE LINES
➡	EXISTING TRAFFIC FLOW ARROW	— COM —	UNDERGROUND COMMUNICATION LINES
➡	PROPOSED FLOW ARROW	_____	UNDERGROUND ELECTRIC LINES
Ⓢ	MDOT SHA STANDARD END SECTION	_____	FIBER OPTIC LINES
Ⓢ	MDOT SHA TYPE K INLET	_____	STORMDRAIN
Ⓢ	MDOT SHA PRECAST MANHOLE		
Ⓢ	MDOT SHA MODIFIED SHALLOW COG INLET		
Ⓢ	MDOT SHA STADARD COG INLET		

\$\$\$DGN\$PEC\$S\$\$\$DATEAB\$

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: _____

Whitman, Requardt & Associates, LLP
801 South Caroline Street, Baltimore, Maryland 21231

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section
APPROVED

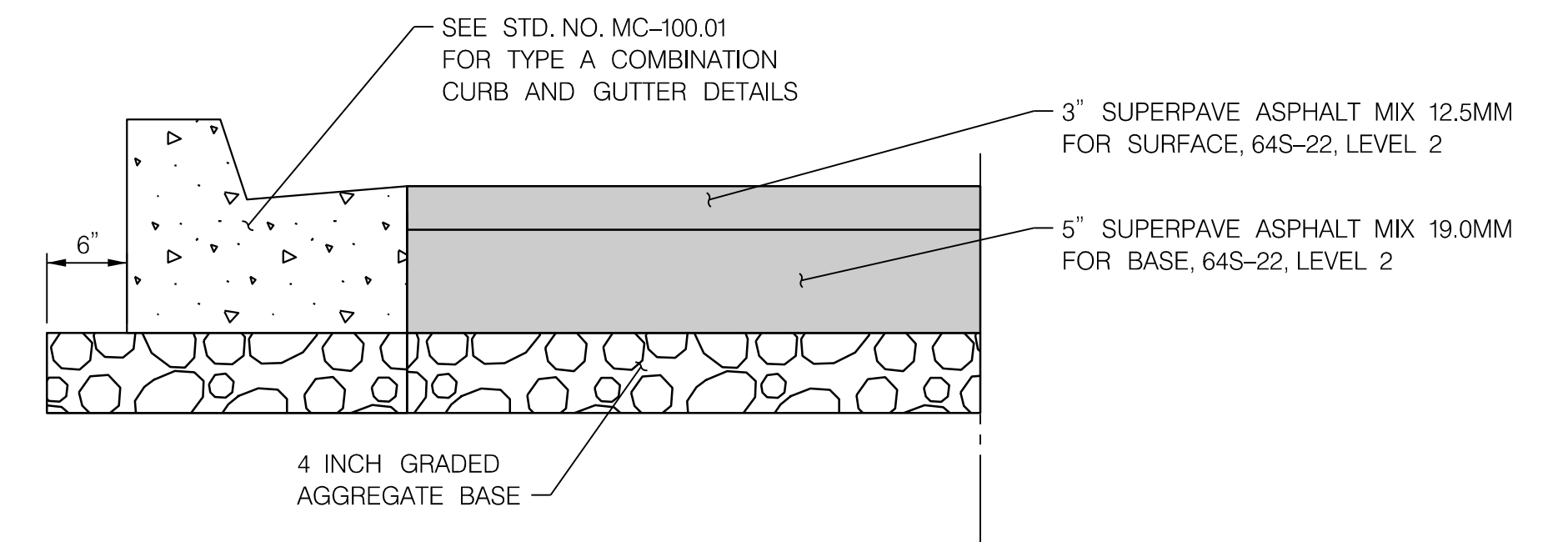
Chief, Division of Transportation Engineering

Designed by: NSP Drawn by: NRH Checked by: RHD

INDEX OF SHEETS,
LEGENDS, AND ABBREVIATIONS
**NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE**

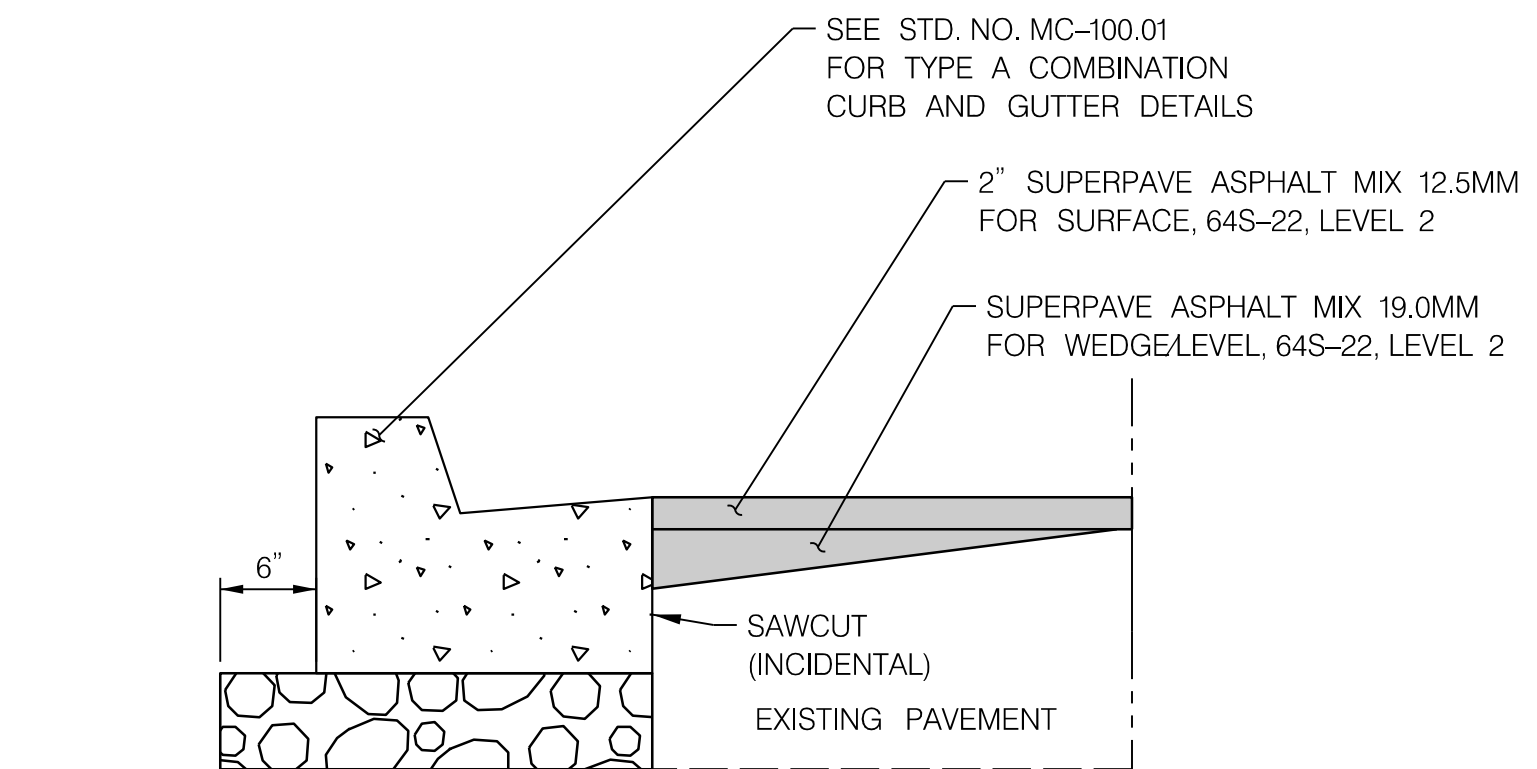
SCALE : NTS
Project No. : _502310_ SHEET **2** of 40

DECEMBER 2024



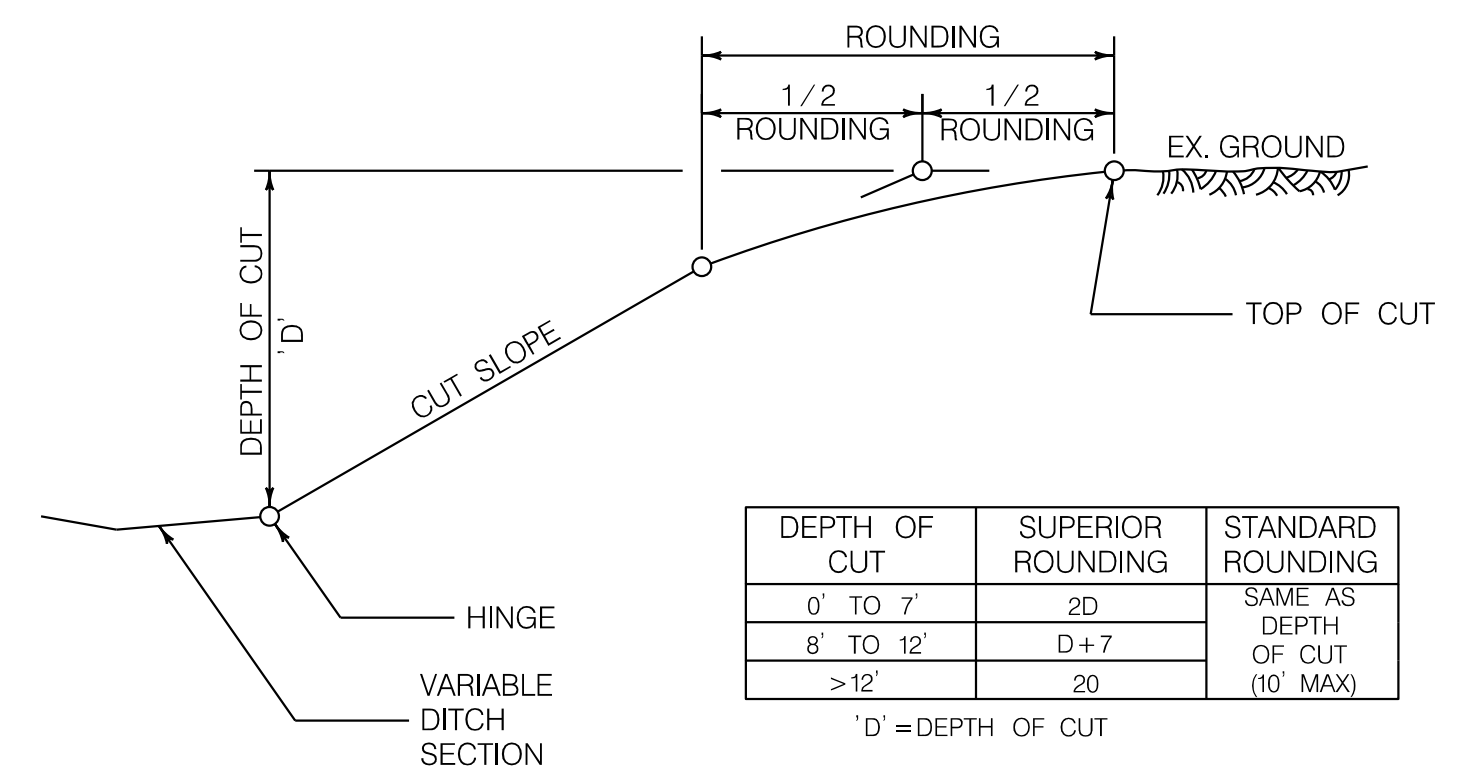
PAVEMENT DETAIL "B"

FINE MILLING AND RESURFACING
NOT TO SCALE



PAVEMENT DETAIL "B"

FINE MILLING AND RESURFACING
NOT TO SCALE



DETAIL
CUT SLOPE ROUNDING
NOT TO SCALE

A diagram showing a three-axis coordinate system. A vertical dashed line is labeled "BASE LINE CONSTRUCTION, P/C, P/R, P/G" with a leader line pointing to it. Two solid lines intersect at the origin, forming a 60-degree angle between them. The upper-left and lower-right quadrants are marked with a "+" sign, and the upper-right and lower-left quadrants are marked with a "-" sign.

1. SLOPE TREATMENT:
FOR SLOPES 2:1, PLACE 2" TOPSOIL
FOR SLOPES FLATTER THAN 2:1, PLACE 4" TOPSOIL
2. SEE LANDSCAPE PLANS FOR PLANTING REQUIREMENTS.
3. SEE ROADWAY PLAN FOR LIMITS OF CURB AND GUTTER.



PROFESSIONAL CERTIFICATION.
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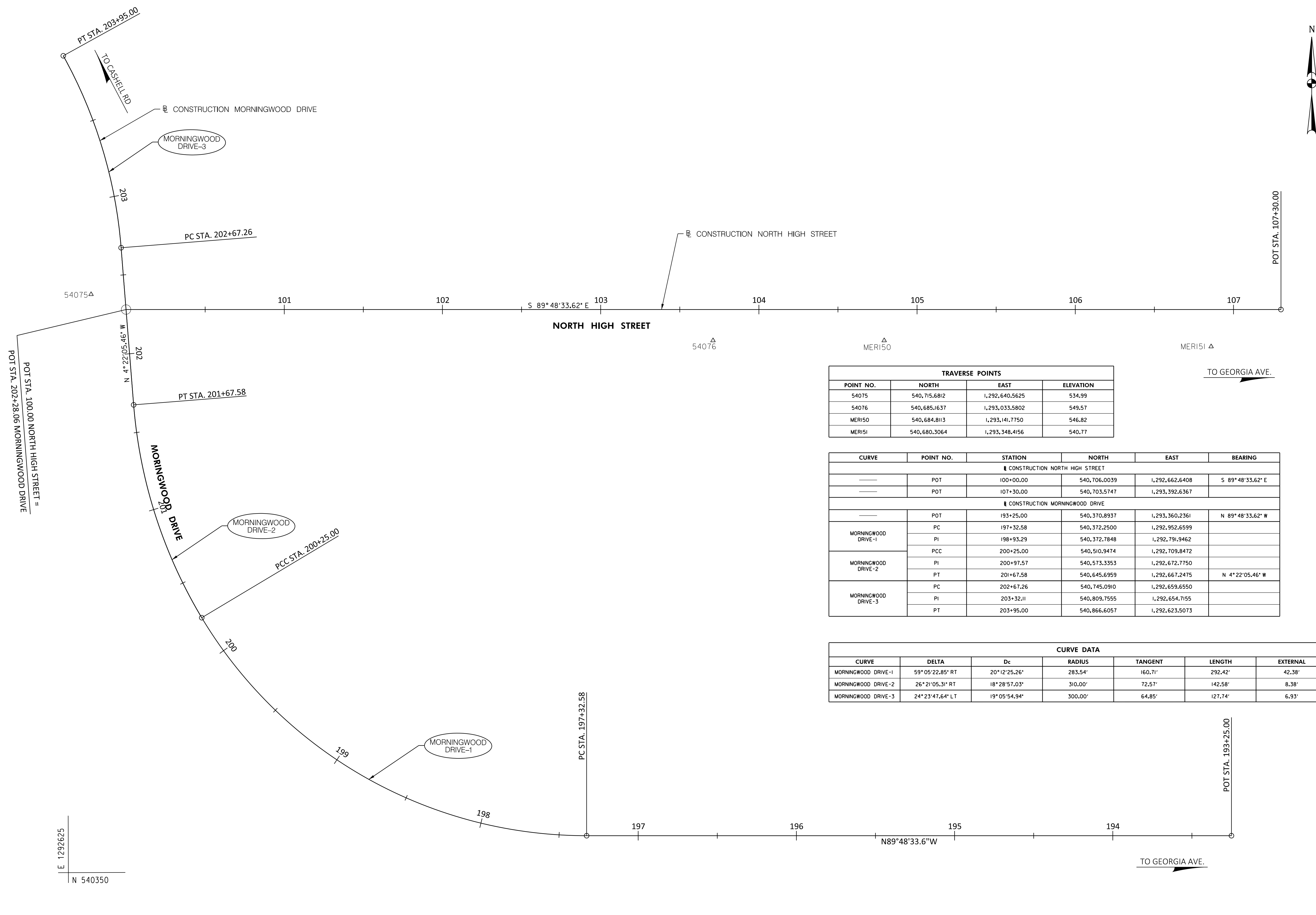


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801 South Caroline Street, Baltimore, Maryland 21231

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HT-02 ROADWAY TYPICAL SECTIONS
NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE

SCALE : 1" = 5'		DECEMBER 2024	
Project No. :	502310	SHEET	4 of 40



TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
54075	540,715.6812	1,292,640.5625	534.99
54076	540,685.1637	1,293,033.5802	549.57
MER150	540,684.8113	1,293,141.7750	546.82
MER151	540,680.3064	1,293,348.4156	540.77

CURVE	POINT NO.	STATION	NORTH	EAST	BEARING
CONSTRUCTION NORTH HIGH STREET					
——	POT	100+00.00	540,706.0039	1,292,662.6408	S 89°48'33.62" E
——	POT	107+30.00	540,703.5747	1,293,392.6367	
CONSTRUCTION MORNINGWOOD DRIVE					
——	POT	193+25.00	540,370.8937	1,293,360.2361	N 89°48'33.62" W
MORNINGWOOD DRIVE-1	PC	197+32.58	540,372.2500	1,292,952.6599	
	PI	198+93.29	540,372.7848	1,292,791.9462	
	PCC	200+25.00	540,510.9474	1,292,709.8472	
MORNINGWOOD DRIVE-2	PI	200+97.57	540,573.3353	1,292,672.7750	
	PT	201+67.58	540,645.6959	1,292,667.2475	N 4°22'05.46" W
	PC	202+67.26	540,745.0910	1,292,659.6550	
MORNINGWOOD DRIVE-3	PI	203+32.11	540,809.7555	1,292,654.7155	
	PT	203+95.00	540,866.6057	1,292,623.5073	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
MORNINGWOOD DRIVE-1	59°05'22.85" RT	20°12'25.26"	283.54'	160.71'	292.42'	42.38'
MORNINGWOOD DRIVE-2	26°21'05.31" RT	18°28'57.03"	310.00'	72.57'	142.58'	8.38'
MORNINGWOOD DRIVE-3	24°23'47.64" LT	19°05'54.94"	300.00'	64.85'	127.74'	6.93'

\$\$\$DGN SPEC\$\$\$\$\$
\$DATE AB\$

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: _____

[illegible]

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section

APPROVED

Date

Chief, Division of Transportation Engineering		Date
Designed by: <u>NSP</u>	Drawn by: <u>NRH</u>	Checked by: <u>PHD</u>

GS-01 GEOMETRY LAYOUT
NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE

SCALE : 1" = 30' DECEMBER 2024

Project No. : 502310 SHEET 5 of 40

\$\$\$DQNSPEC\$\$\$
\$DA TEABBS

DETECTABLE WARNING SURFACE (STD. NO. MD-655.40)			
STATION	SF	REMARKS	
100+10 TO 100+14	10	NORTH HIGH STREET LEFT	
100+18 TO 100+23	11	NORTH HIGH STREET LEFT	
104+63 TO 104+68	10	NORTH HIGH STREET LEFT	
106+82 TO 106+87	11	NORTH HIGH STREET LEFT	
100+14 TO 100+17	10	NORTH HIGH STREET RIGHT	
100+20 TO 100+25	11	NORTH HIGH STREET RIGHT	
104+63 TO 104+68	10	NORTH HIGH STREET RIGHT	
106+81 TO 106+86	11	NORTH HIGH STREET RIGHT	
196+28 TO 196+33	10	MORNINGWOOD DRIVE LEFT (ISLAND)	
196+28 TO 196+33	10	MORNINGWOOD DRIVE RIGHT (ISLAND)	
202+01 TO 201+06	10	MORNINGWOOD DRIVE LEFT	
202+46 TO 202+51	10	MORNINGWOOD DRIVE LEFT	
203+56 TO 203+60	10	MORNINGWOOD DRIVE LEFT	

FINE MILLING ASPHALT PAVEMENT 1 INCH TO 2.5 INCH DEPTH			
STATION	SY	REMARKS	
104+00 TO 107+00	869	NORTH HIGH STREET	
197+50 TO 203+62	1,799	MORNINGWOOD DRIVE	

REMOVAL OF EXISTING PAVEMENT			
STATION	CY	REMARKS	
104+12 TO 104+24	10	NORTH HIGH STREET LEFT	
104+47 TO 104+63	15	NORTH HIGH STREET LEFT	
104+69 TO 104+93	21	NORTH HIGH STREET LEFT	
105+19 TO 106+82	114	NORTH HIGH STREET LEFT	
105+19 TO 105+22	1	NORTH HIGH STREET LEFT	
106+87 TO 106+98	9	NORTH HIGH STREET LEFT	
100+53 TO 100+71	20	NORTH HIGH STREET RIGHT	
102+03 TO 102+14	8	NORTH HIGH STREET RIGHT	
103+16 TO 103+28	6	NORTH HIGH STREET RIGHT	
103+48 TO 103+65	12	NORTH HIGH STREET RIGHT	
104+65 TO 104+74	2	NORTH HIGH STREET RIGHT	
199+55 TO 199+94	14	MORNINGWOOD DRIVE LEFT	
200+20 TO 201+87	74	MORNINGWOOD DRIVE LEFT	
201+96 TO 202+04	3	MORNINGWOOD DRIVE LEFT	
202+06 TO 202+13	1	MORNINGWOOD DRIVE LEFT	
202+06 TO 202+46	20	MORNINGWOOD DRIVE LEFT	
202+43 TO 202+51	1	MORNINGWOOD DRIVE LEFT	
202+51 TO 202+62	8	MORNINGWOOD DRIVE LEFT	
202+71 TO 202+99	13	MORNINGWOOD DRIVE LEFT	
203+06 TO 203+56	20	MORNINGWOOD DRIVE LEFT	
197+76 TO 198+33	22	MORNINGWOOD DRIVE RIGHT	
198+73 TO 200+31	68	MORNINGWOOD DRIVE RIGHT	
200+59 TO 202+01	63	MORNINGWOOD DRIVE RIGHT	
202+51 TO 203+62	49	MORNINGWOOD DRIVE RIGHT	

REMOVAL OF EXISTING SIDEWALK			
STATION	CY	REMARKS	
104+13 TO 104+24	1	NORTH HIGH STREET LEFT	
104+13 TO 104+19	1	NORTH HIGH STREET LEFT	
104+49 TO 104+89	1	NORTH HIGH STREET LEFT	
104+51 TO 104+56	1	NORTH HIGH STREET LEFT	
104+85 TO 104+90	1	NORTH HIGH STREET LEFT	
105+23 TO 105+32	1	NORTH HIGH STREET LEFT	
105+27 TO 105+32	1	NORTH HIGH STREET LEFT	
106+78 TO 106+82	1	NORTH HIGH STREET LEFT	
106+87 TO 106+98	1	NORTH HIGH STREET LEFT	
100+44 TO 100+53	1	NORTH HIGH STREET RIGHT	
102+03 TO 102+26	2	NORTH HIGH STREET RIGHT	
103+03 TO 103+07	1	NORTH HIGH STREET RIGHT	
103+48 TO 103+54	1	NORTH HIGH STREET RIGHT	
103+58 TO 104+73	9	NORTH HIGH STREET RIGHT	
104+20 TO 104+29	1	NORTH HIGH STREET RIGHT	
104+21 TO 104+27	1	NORTH HIGH STREET RIGHT	
201+86 TO 201+90	1	MORNINGWOOD DRIVE LEFT	
202+08 TO 202+35	1	MORNINGWOOD DRIVE LEFT	
203+00 TO 203+01	1	MORNINGWOOD DRIVE LEFT	
203+31 TO 203+44	1	MORNINGWOOD DRIVE LEFT	
203+55 TO 203+58	1	MORNINGWOOD DRIVE LEFT	
203+33 TO 203+41	1	MORNINGWOOD DRIVE RIGHT	

REMOVAL OF EXISTING COMBINATION CURB & GUTTER			
STATION	LF	REMARKS	
104+10 TO 104+19	21	NORTH HIGH STREET LEFT	
104+52 TO 104+63	14	NORTH HIGH STREET LEFT	
104+68 TO 104+90	24	NORTH HIGH STREET LEFT	
105+19 TO 105+23	9	NORTH HIGH STREET LEFT	
105+26 TO 106+50	127	NORTH HIGH STREET LEFT	
106+67 TO 106+82	15	NORTH HIGH STREET LEFT	
106+87 TO 106+98	23	NORTH HIGH STREET LEFT	
102+03 TO 102+15	20	NORTH HIGH STREET RIGHT	
103+16 TO 103+28	17	NORTH HIGH STREET RIGHT	
103+48 TO 103+50	6	NORTH HIGH STREET RIGHT	
103+52 TO 103+64	15	NORTH HIGH STREET RIGHT	
104+56 TO 104+73	23	NORTH HIGH STREET RIGHT	
199+55 TO 199+95	43	MORNINGWOOD DRIVE LEFT	
200+20 TO 201+68	185	MORNINGWOOD DRIVE LEFT	
202+07 TO 202+46	40	MORNINGWOOD DRIVE LEFT	
202+68 TO 203+00	30	MORNINGWOOD DRIVE LEFT	
203+05 TO 203+61	49	MORNINGWOOD DRIVE LEFT	
197+75 TO 198+33	54	MORNINGWOOD DRIVE RIGHT	
198+73 TO 200+31	148	MORNINGWOOD DRIVE RIGHT	
200+59 TO 202+01	135	MORNINGWOOD DRIVE RIGHT	
202+51 TO 203+62	115	MORNINGWOOD DRIVE RIGHT	

7" REINFORCED CONCRETE APRON (STD. NO. MC-301.01)			
STATION	SY	REMARKS	
101+03 TO 101+23	12	NORTH HIGH STREET LEFT	
101+75 TO 101+95	11	NORTH HIGH STREET LEFT	
102+39 TO 102+59	10	NORTH HIGH STREET LEFT	
103+27 TO 103+47	11	NORTH HIGH STREET LEFT	
101+55 TO 101+75	13	NORTH HIGH STREET RIGHT	
101+82 TO 102+02	13	NORTH HIGH STREET RIGHT	
103+26 TO 103+50	49	NORTH HIGH STREET RIGHT	
104+74 TO 106+68	190	NORTH HIGH STREET RIGHT	

DEPRESSED CURB ENTRANCE (STD. NO. MC-102.01)			
STATION	LF	REMARKS	
101+03 TO 101+23	20	NORTH HIGH STREET LEFT	
101+75 TO 101+95	20	NORTH HIGH STREET LEFT	
102+39 TO 102+59	20	NORTH HIGH STREET LEFT	
103+27 TO 103+47	20	NORTH HIGH STREET LEFT	
101+55 TO 101+75	20	NORTH HIGH STREET RIGHT	
101+82 TO 102+02	20	NORTH HIGH STREET RIGHT	
103+26 TO 103+50	24	NORTH HIGH STREET RIGHT	
104+63 TO 106+68	205	NORTH HIGH STREET RIGHT	
201+68 TO 201+95	27	MORNINGWOOD DRIVE LEFT	
202+63 TO 202+88	24	MORNINGWOOD DRIVE LEFT	

TYPE A CONCRETE COMBINATION CURB AND GUTTER (STD. NO. MC-100.01)			
STATION	LF	REMARKS	
203+62 TO 101+03	216	MORNINGWOOD DRIVE RIGHT TO NORTH HIGH STREET LEFT	
101+23 TO 101+75	51	NORTH HIGH STREET LEFT	
101+95 TO 102+39	44	NORTH HIGH STREET LEFT	
102+59 TO 103+27	69	NORTH HIGH STREET LEFT	
103+47 TO 104+24	105	NORTH HIGH STREET LEFT	
104+47 TO 104+94	95	NORTH HIGH STREET LEFT	
105+19 TO 106+99	244	NORTH HIGH STREET LEFT	
200+59 TO 101+55	290	MORNINGWOOD DRIVE RIGHT TO NORTH HIGH STREET RIGHT	
101+75 TO 101+82	7	NORTH HIGH STREET RIGHT	
102+02 TO 103+26	129	NORTH HIGH STREET RIGHT	
103+50 TO 104+63	119	NORTH HIGH STREET RIGHT	
106+68 TO 106+99	43	NORTH HIGH STREET RIGHT	
197+75 TO 198+33	59	MORNINGWOOD DRIVE RIGHT	
198+73 TO 200+31	155	MORNINGWOOD DRIVE RIGHT	
199+55 TO 199+95	54	MORNINGWOOD DRIVE LEFT	
200+20 TO 201+68	161	MORNINGWOOD DRIVE LEFT	
201+95 TO 202+63	67	MORNINGWOOD DRIVE LEFT	
202+88 TO 203+61	85	MORNINGWOOD DRIVE LEFT	

TYPE A CONCRETE CURB (STD. NO. MC-100.01)			
STATION	LF	REMARKS	
100+12 TO 100+18	12	NORTH HIGH STREET LEFT	
100+15 TO 100+20	12	NORTH HIGH STREET RIGHT	
101+75 TO 101+82	46	NORTH HIGH STREET RIGHT	
102+02	22	NORTH HIGH STREET RIGHT	
103+27	9	NORTH HIGH STREET RIGHT	
103+48	9	NORTH HIGH STREET RIGHT	
104+73	27	NORTH HIGH STREET RIGHT	
105+44	5	NORTH HIGH STREET RIGHT	
105+64 TO 105+75	29	NORTH HIGH STREET RIGHT	
106+28 TO 106+40	33	NORTH HIGH STREET RIGHT	
106+68 TO 106+81	20	NORTH HIGH STREET RIGHT	
106+68 TO 106+88	32	NORTH HIGH STREET RIGHT	
106+86 TO 106+94	13	NORTH HIGH STREET RIGHT	
196+18 TO 196+43	59	MORNINGWOOD DRIVE (ISLAND)	
196+27	7	MORNINGWOOD DRIVE (ISLAND)	
196+33	7	MORNINGWOOD DRIVE (ISLAND)	
201+68 TO 201+91	36	MORNINGWOOD DRIVE LEFT	
201+95 TO 202+13	34	MORNINGWOOD DRIVE LEFT	
202+43 TO 202+63	35	MORNINGWOOD DRIVE LEFT	
202+65 TO 202+88	38	MORNINGWOOD DRIVE LEFT	

REMOVE AND RESET FENCE			
STATION	LF	REMARKS	
103+47 TO 103+66	19	NORTH HIGH STREET LEFT	

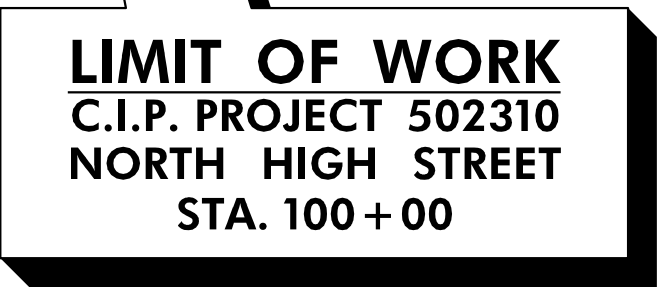
5" CONCRETE SIDEWALK (STD. NO. MC-110.01)			
STATION	SF	REMARKS	
201+68 TO 101+55	1113	MORNINGWOOD DRIVE RIGHT TO NORTH HIGH STREET RIGHT	
101+75 TO 101+82	42	NORTH HIGH STREET RIGHT	
102+02 TO 102+34	200	NORTH HIGH STREET RIGHT	
102+78 TO 103+28	249	NORTH HIGH STREET RIGHT	
103+03 TO 103+07	18	NORTH HIGH STREET RIGHT - PROPERTY CONNECTION	
103+48 TO 104+74	683	NORTH HIGH STREET RIGHT	
103+54 TO 103+58	32	NORTH HIGH STREET RIGHT - PROPERTY CONNECTION	
106+68 TO 106+98	231	NORTH HIGH STREET RIGHT	
106+68 TO 106+71	6	NORTH HIGH STREET RIGHT - RAISED CONCRETE ISLAND	
106+79 TO 106+80	4	NORTH HIGH STREET RIGHT - RAISED CONCRETE ISLAND	
106+87 TO 106+93	22	NORTH HIGH STREET RIGHT - RAISED CONCRETE ISLAND	
202+81 TO 100+25	267	MORNINGWOOD DRIVE RIGHT TO NORTH HIGH STREET LEFT	
104+13 TO 104+24	67	NORTH HIGH STREET LEFT	
104+47 TO 104+93	253	NORTH HIGH STREET LEFT	
104+61 TO 104+70	104	NORTH HIGH STREET LEFT	
105+19 TO 105+32	78	NORTH HIGH STREET LEFT	
106+78 TO 106+98	309	NORTH HIGH STREET LEFT	
196+18 TO 196+27	53	MORNINGWOOD DRIVE (ISLAND) - RAISED CONCRETE ISLAND	
196+28 TO 196+33	13	MORNINGWOOD DRIVE (ISLAND)	
196+34 TO 196+43	53	MORNINGWOOD DRIVE (ISLAND) - RAISED CONCRETE ISLAND	
201+77 TO 201+90	70	MORNINGWOOD DRIVE LEFT	
201+99 TO 202+56	464	MORNINGWOOD DRIVE LEFT	
202+65 TO 202+88	125	MORNINGWOOD DRIVE LEFT	
203+01 TO 203+06	91	MORNINGWOOD DRIVE LEFT	
203+46 TO 203+60	70	MORNINGWOOD DRIVE LEFT	
202+06 TO 202+12	16	MORNINGWOOD DRIVE RIGHT - RAISED CONCRETE ISLAND	
202+40 TO 202+45	16	MORNINGWOOD DRIVE RIGHT - RAISED CONCRETE ISLAND	

RESIDENTIAL DRIVEWAY (STD. NO. MC-301.01)			
STATION	SY	REMARKS	
101+05 TO 101+22	19	NORTH HIGH STREET LEFT	

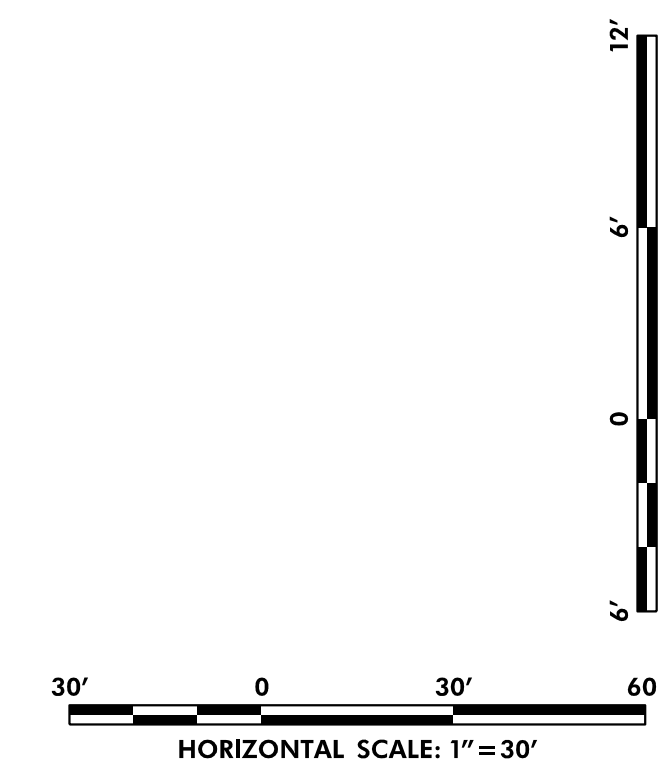
COMMERCIAL DRIVEWAY (STD. NO. MC-302.01)			
STATION	SY	REMARKS	
100+75 TO 101+55	59	NORTH HIGH STREET RIGHT	
101+55 TO 101+75	41	NORTH HIGH STREET RIGHT	
101+82 TO 102+02	48	NORTH HIGH STREET RIGHT	
103+28 TO 103+48	20	NORTH HIGH STREET RIGHT	
104+74 TO 105+44	41	NORTH HIGH STREET RIGHT	

REMOVAL AND DISPOSAL OF EXISTING TRAFFIC BARRIER W-BEAM			
STATION	LF	REMARKS	
100+38 TO 100+48	14	NORTH HIGH STREET RIGHT	
100+49 TO 100+50	13	NORTH HIGH STREET RIGHT	
100+53 TO 100+72	20	NORTH HIGH STREET RIGHT	

REMOVE EXISTING STAIRS		
STATION	CY	REMARKS
100+29 TO 100+45	2	NORTH HIGH STREET RIGHT



SCALE:
H: 1" = 30'
V: 1" = 6'

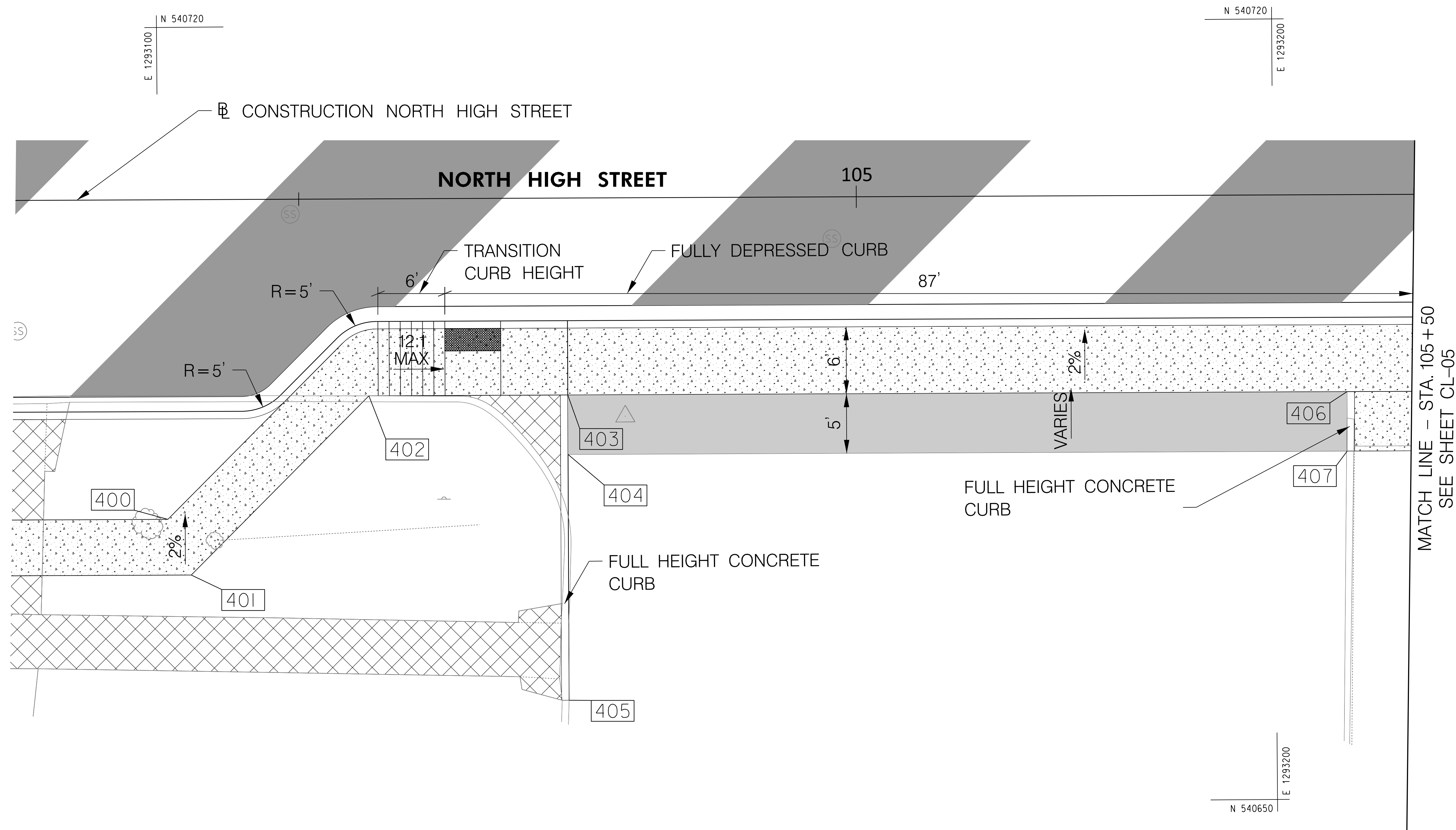


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CURB LAYOUT SCHEDULE					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
200	101+74.61	11.67' LT	540717.0895	1292837.2885	546.05
201	101+78.61	17.67' LT	540723.0761	1292841.3084	EX.
202	101+90.49	17.67' LT	540723.0366	1292853.1869	EX.
203	101+94.61	11.67' LT	540717.0229	1292857.2884	546.95
204	102+38.94	11.67' LT	540716.8754	1292901.6134	548.24
205	102+44.26	17.67' LT	540722.8577	1292906.9536	EX.
206	102+53.61	17.67' LT	540722.8265	1292916.3131	EX.
207	102+58.94	11.67' LT	540716.8089	1292921.6133	548.75
208	101+35.11	23.17' RT	540682.3878	1292797.6746	EX.
209	101+35.11	36.00' RT	540669.5545	1292797.6318	EX.
210	101+75.11	36.00' RT	540669.4214	1292837.6316	EX.
211	101+82.03	39.26' RT	540666.1335	1292844.5374	EX.
212	102+01.98	36.26' RT	540666.0671	1292864.4846	EX.
213	102+10.47	17.67' RT	540687.6370	1292873.0475	547.61
214	102+26.16	33.36' RT	540671.8868	1292888.6932	548.04
215	102+28.28	28.41' RT	540676.8342	1292890.8262	547.99
216	102+33.54	28.47' RT	540676.7569	1292896.0825	EX.
217	102+33.54	33.44' RT	540671.7893	1292896.0659	EX.

\$\$\$DGN\$PEC\$\$\$
\$DATE\$AB\$



CURB LAYOUT SCHEDULE

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
400	104+38.15	28.67' RT	540675.8794	1293100.6907	548.37
401	104+40.22	33.67' RT	540670.8725	1293102.7453	548.41
402	104+56.22	17.67' RT	540686.8192	1293118.7968	548.02
403	104+74.05	17.67' RT	540686.7598	1293136.6330	546.83
404	104+74.05	23.00' RT	540681.4265	1293136.6153	EX.
405	104+74.05	45.04' RT	540659.3856	1293136.5419	EX.
406	105+43.93	17.67' RT	540686.5273	1293206.5071	544.82
407	105+43.93	23.00' RT	540681.1940	1293206.4893	EX.



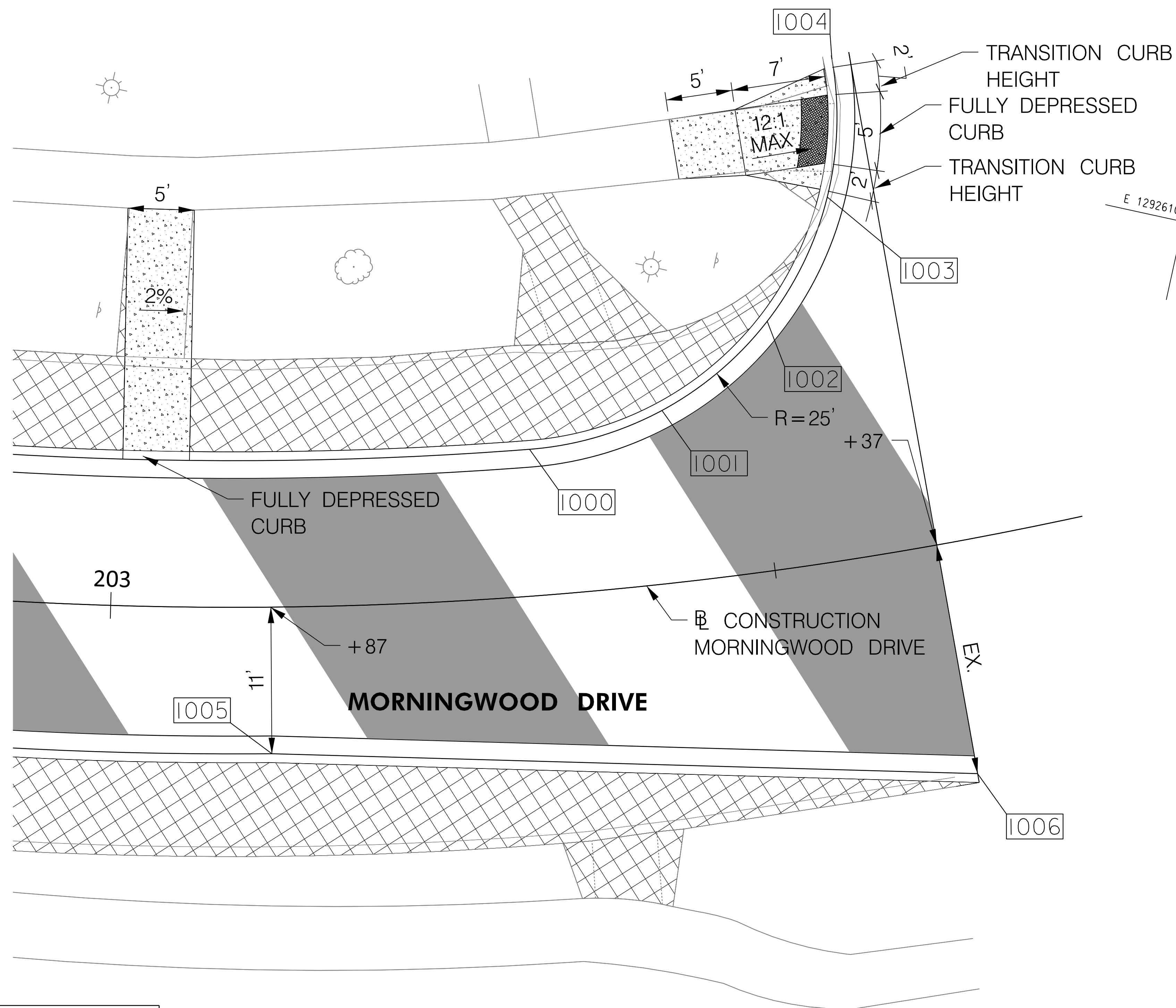
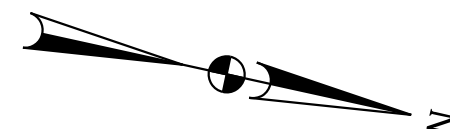
\$\$\$DGN SPEC \$\$\$DATE AB\$

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: _____

Whitman, Requardt & Associates, LLP
801 South Caroline Street, Baltimore, Maryland 21231

NO. REVISION DATE BY	MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND	CL-04 CURB LAYOUT NORTH HIGH STREET EXTENDED FROM GEORGIA AVENUE (MD 97) TO MORNINGWOOD DRIVE
	RECOMMENDED FOR APPROVAL	SCALE : 1" = 5'
	Chief, Transportation Planning and Design Section APPROVED	DECEMBER 2024
	Chief, Division of Transportation Engineering	Project No. : 502310 SHEET 13 of 40
Designed by: NSP Drawn by: NRH Checked by: RHD		

E 1292610
N 540750



E 1292610
N 540850

E 1292680
N 540850



CURB LAYOUT SCHEDULE

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
1000	203+07.31	11.00' LT	540805.7288	1292637.2047	EX.
1001	203+17.90	12.97' LT	540814.8077	1292632.2252	EX.
1002	203+27.07	18.60' LT	540821.0901	1292623.9938	EX.
1003	203+33.44	27.12' LT	540823.4982	1292613.9228	EX.
1004	203+35.76	37.27' LT	540821.6187	1292603.7399	EX.
1005	203+12.00	11.00' RT	540791.7405	1292663.6615	EX.
1006	203+62.28	17.43' RT	540843.7952	1292653.7589	EX.

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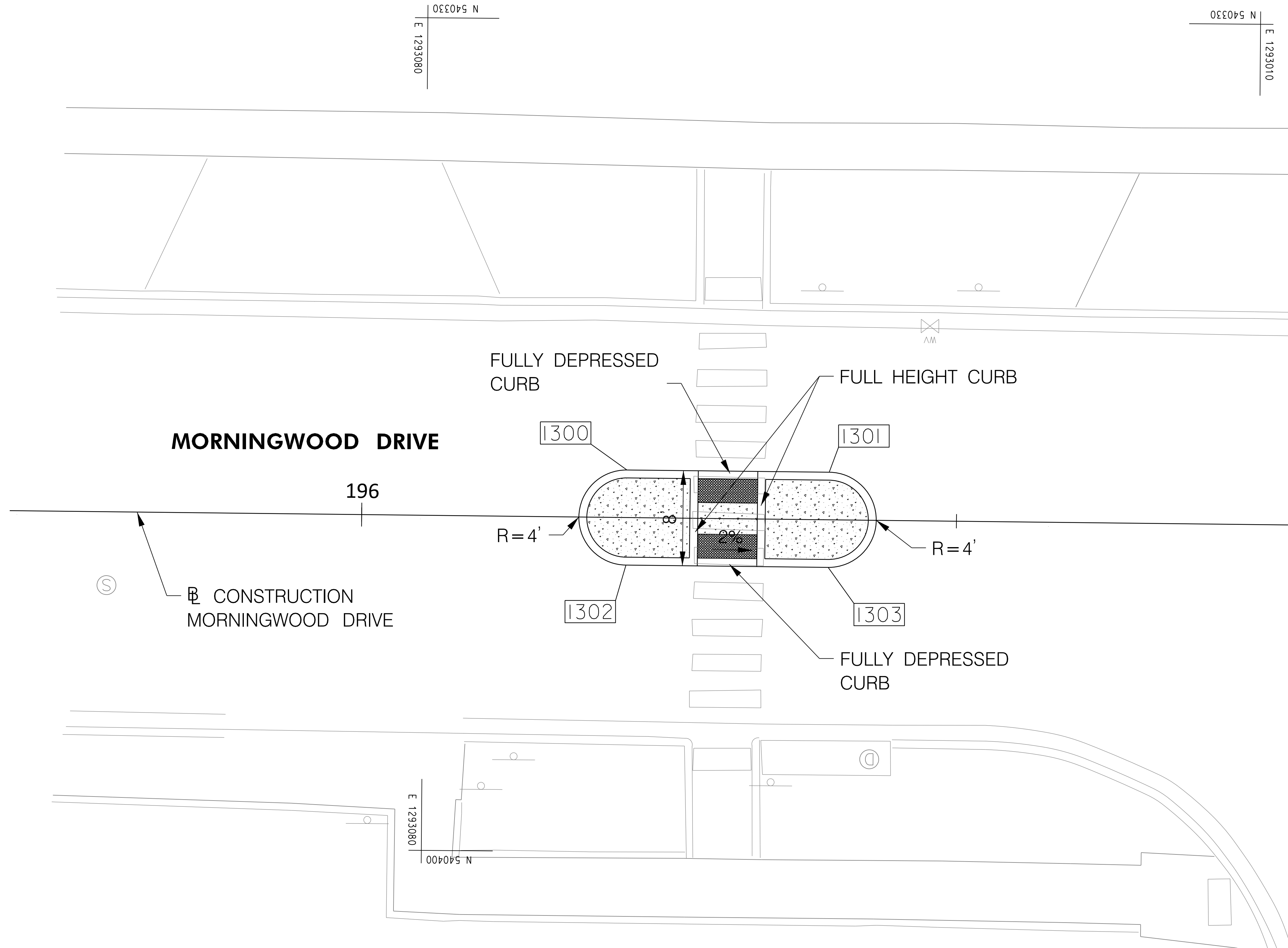
Whitman, Requardt & Associates, LLP
801 South Caroline Street, Baltimore, Maryland 21231

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
Chief, Transportation Planning and Design Section
APPROVED
Chief, Division of Transportation Engineering
Designed by: NSP Drawn by: NRH Checked by: RHD

CL-10 CURB LAYOUT
NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE

SCALE : 1" = 10'
Project No. : 502310 SHEET 19 of 40 DECEMBER 2024



CURB LAYOUT SCHEDULE

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
1300	196+22.26	4.00' LT	540367.8829	1293062.9646	EX.
1301	196+39.26	4.00' LT	540367.9394	1293045.9647	EX.
1302	196+22.26	4.00' RT	540375.8828	1293062.9913	EX.
1303	196+39.26	4.00' RT	540375.9394	1293045.9914	EX.

5' 0 5' 10'
SCALE: 1"=5'

PROFESSIONAL CERTIFICATION.
I HEREBY CERTIFY THAT THESE DOCUMENTS
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THAT I AM A DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF THE STATE
OF MARYLAND, LICENSE NO. _____
EXPIRATION DATE: _____



Whitman, Requardt & Associates, LLP
801 South Caroline Street, Baltimore, Maryland 21231

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section
APPROVED _____ Date _____

Chief, Division of Transportation Engineering
APPROVED _____ Date _____

Designed by: NSP Drawn by: NRH Checked by: RHD

CL-13 CURB LAYOUT
NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE

SCALE : 1" = 10' DECEMBER 2024
Project No. : 502310 SHEET 22 of 40

THE CONTRACTOR SHALL BE GOVERNED BY THE STANDARDS AND REQUIREMENTS OF THE FOLLOWING PUBLICATIONS, EXCEPT AS MODIFIED BY THE SPECIAL PROVISIONS OF THIS CONTRACT:

MDOT SHA - "MARYLAND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", 2011 EDITION
AND SUBSEQUENT REVISIONS. (MDMUTCD)

MDOT SHA - "STANDARD SPECIFICATIONS FOR CONSTRUCTION & MATERIALS",
MOST CURRENT EDITION AND SUBSEQUENT REVISIONS AND SUPPLEMENTS.

100 MPH - WOOD SUPPORTS 10 YEAR RECURRENCE INTERVAL	} ALL DISTRICTS
100 MPH - GROUND MOUNT SIGN STEEL SUPPORTS 10 YEAR RECURRENCE INTERVAL	
100 MPH - OVERHEAD AND CANTILEVER STRUCTURES 50 YEAR RECURRENCE INTERVAL	

SOIL BEARING PRESSURE - $S = 3,000$ P.S.F. (ASSUMED)
SEE MATERIAL & CONSTRUCTION ABOVE AND SPECIAL PROVISIONS FOR DESIGN
STRESSES FOR STRUCTURAL STEEL, ALUMINUM, REINFORCING STEEL AND CONCRETE.

ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 3/4" X 3/4" CHAMFER.

SIGNS ARE DIVIDED INTO TWO (2) GENERAL CATEGORIES.	
1. GUIDE SIGNS	B) PANELS
A) STRUCTURAL TYPES	MATERIAL - EXTRUDED ALUMINUM
OH - OVERHEAD	COPY - DIRECT APPLIED
C - CANTILEVER	I) HIGH INTENSITY (NEW SIGNS AND
GM - GROUND MOUNT, BREAKAWAY	REVISIONS TO EXISTING SIGNS)
OR NON-BREAKAWAY	
BM - BRIDGE MOUNTED	B) PANELS
2. STANDARD SIGNS (REGULATORY, WARNING, ETC.)	MATERIAL - SHEET ALUMINUM
A) STRUCTURAL TYPES	COPY - DIRECT APPLIED
WOOD SUPPORTS	
SQUARE TUBE	

GUIDE SIGNS

EACH GUIDE SIGN IS IDENTIFIED BY A SIGN NUMBER ON THE PLANS AND IN THE TABULATIONS. (GM-1, GM-2, GM-3, etc)

SIGNS ON STRUCTURES ARE IDENTIFIED WITH A NUMBER AND WHERE VARIATIONS OCCUR, A LOWER CASE LETTER. (OH-1a, OH-1b, OH-1c)

STANDARD SIGNS

STANDARD SIGNS ARE IDENTIFIED BY PANEL NUMBERS AND ARE CLASSIFIED AS FOLLOWS

- R - REGULATORY
- W - WARNING
- M - ROUTE MARKERS AND ACCESSORIES
- D - DESTINATION AND MILEAGE PANELS
- S - SCHOOL

PANELS SHALL BE DESIGNATED TO AGREE WITH MARYLAND STANDARD SIGN BOOK.

EACH STANDARD SIGN IS IDENTIFIED FIRST BY THE SHEET NUMBER, THEN BY THE NUMERICAL ORDER OF THE SIGN AS IT APPEARS ON THE PLAN.

FOR EXAMPLE SHEET SN 2-1-101,102,103, ETC. SHEET SN 2-2-201,202,203,ETC.

1. GUIDE SIGN PANEL LAYOUTS ARE BASED ON THE A.A.S.H.T.O. MANUALS NOTED ABOVE.
2. STANDARD SIGN PANEL LAYOUTS ARE BASED ON THE MDMDCT WITH SPECIFICATIONS DETAILED IN THE MARYLAND STATE HIGHWAY ADMINISTRATION PUBLICATION, "STANDARD SIGN BOOK", AVAILABLE ONLINE AT http://apps.roads.maryland.gov/businesswithsho/biz2dspecs/desmanualsdpub/publicationsonline/oots/Internet_signbook.asp

(TANGENT)

90°

EDGE OF TRAVELLED ROADWAY

MEDIAN

90°

(CHORD)

500'

EDGE OF TRAVELLED ROADWAY

90°

* UNDER 30 FEET FROM TRAVELLED ROADWAY TO NEAR EDGE OF SIGN - 93° AWAY FROM THE ROAD TO AVOID SPECULAR REFLECTION AS INDICATED IN 813.03 OF THE MARYLAND STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS.

OVER 30 FEET FROM TRAVELLED ROADWAY TO NEAR EDGE OF SIGN - 90°

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

1. GUIDE SIGNS ARE LOCATED ON THE PLANS BY DIMENSION TO SURVEY STATIONS, OR WHEN NECESSARY, TO IDENTIFIABLE PHYSICAL FEATURES.
2. ALL CHANGES IN THE LOCATIONS OF SIGNS AS SHOWN ON THE PLAN SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

THE ENGINEER DOES NOT WARRANT OR GUARANTEE THE ACCURACY OR COMPLETENESS OF UTILITY INFORMATION SHOWN ON THE PLAN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT ALL EXISTING FACILITIES WHICH MIGHT BE AFFECTED BY THIS WORK OR HIS OPERATION.

1. VERTICAL ALIGNMENT
POSITION PANEL SO FACE IS PLUMB.
2. HORIZONTAL ALIGNMENT (SEE DIAGRAM ABOVE)
 - A) ON STRAIGHT ROADWAY SECTIONS, ANGLE OF SIGN FACE TO ROADWAY VARIES WITH DISTANCE FROM TRAVELLED ROADWAY TO NEAR EDGE OF SIGN - SEE DIAGRAM.
 - B) ON THE INSIDE OF HORIZONTAL CURVES, POSITION SIGN SO FACE OF PANEL MAKES AN ANGLE OF 90° WITH A CHORD BETWEEN A POINT ON NEAR EDGE OF PAVEMENT AT SIGN LOCATION AND A POINT ON EDGE OF PAVEMENT 500' IN ADVANCE OF SIGN.
 - C) ON THE OUTSIDE OF HORIZONTAL CURVES, POSITION SIGN SO FACE OF PANEL IS AT RIGHT ANGLES TO THE TANGENT OF THE CURVE AT THE SIGN LOCATION.
 - D) POSITIONING OF SIGNS AT GORES AND RAMP SEPARATIONS IS REFERRED TO THE NORMAL EDGE OF THE MAINLINE ROADWAY.

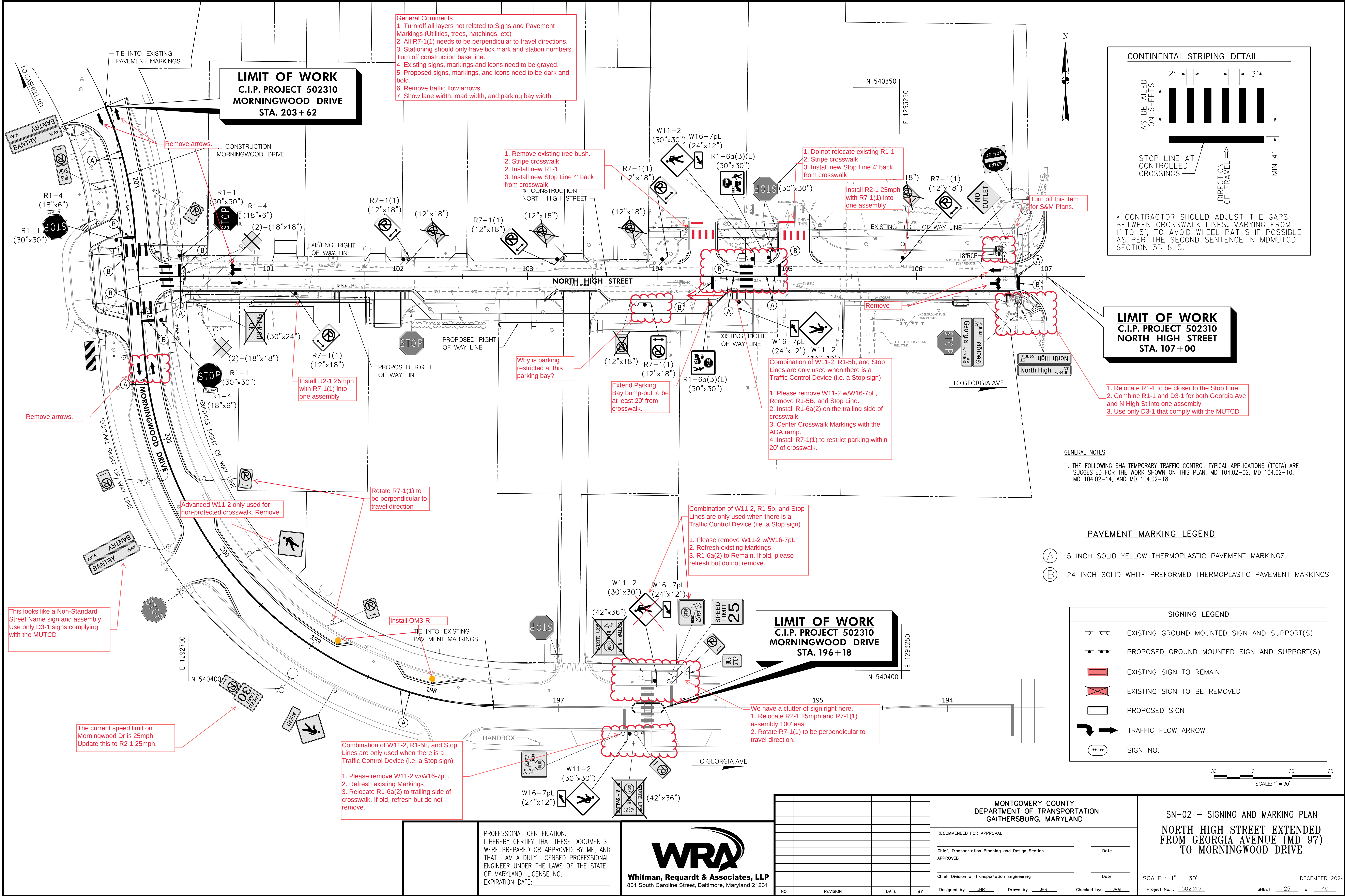
3. I. VERTICAL ALIGNMENT
 - A) POSITION PANELS FOR ALL OVERHEAD STRUCTURES SO THAT PANEL FACE IS PLUMB.
4. II. OVERHEAD SIGN STRUCTURES SHALL NOT BE ERECTED WITHOUT ATTACHING LUMINAIRES, SUPPORTS, AND/OR SIGNS.
5. III. HORIZONTAL ALIGNMENT
 - A) POSITION ALL OVERHEAD SIGNS SO THAT THE FACE OF THE PANEL IS AT RIGHT ANGLES TO THE NORMAL EDGE OF ROADWAY, IF ON A STRAIGHT ROADWAY SECTION.
 - B) POSITION ALL OVERHEAD SIGNS SO THAT THE FACE OF THE PANEL IS AT RIGHT ANGLES TO THE TANGENT OF THE CURVE AT SIGN LOCATION, IF ON A HORIZONTAL CURVE.
 - C) POSITIONING OF SIGNS AT GORES AND RAMP SEPARATIONS IS REFERRED TO THE NORMAL EDGE OF THE MAINLINE ROADWAY.
6. IV. VERTICAL CLEARANCE
 - A) OVERHEAD SIGNS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 17'-9" FROM ROADWAY TO THE BOTTOM OF LIGHT FIXTURES. ALL LIGHT FIXTURES ARE TO BE AT THE SAME ELEVATION.
 - B) IF THE CONTRACTOR CANNOT OBTAIN 17'-9" (SEE 3A) CLEARANCE, HE IS TO CEASE WORK AND CONTACT THE PROJECT ENGINEER FOR FURTHER INSTRUCTIONS. THE PROJECT ENGINEER MAY CONTACT THE TRAFFIC ENGINEERING DESIGN DIVISION FOR ASSISTANCE.
 - C) ON ALL OVERHEAD SIGNS, THE MINIMUM CLEARANCE TO BOTTOM OF DESIGN SIGN: 20'-9".

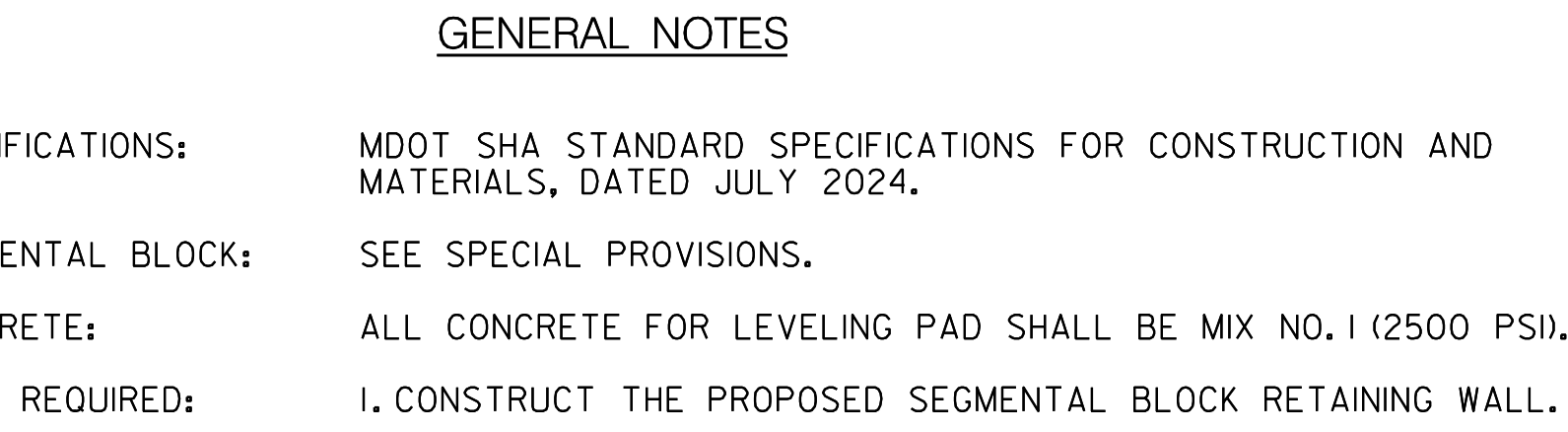
ALL NEW SIGNS ON THIS PROJECT SHALL BE FABRICATED FROM SHEETING WHICH MEETS ALL OF THE FOLLOWING REQUIREMENTS, UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, OR AS DIRECTED BY THE ENGINEER:

I. SHEETING SHALL MEET THE REQUIREMENTS OF SECTIONS 813 AND 950.03 OF MDOT SHA'S STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS JULY 2023 EDITION AND SUBSEQUENT REVISIONS AND SUPPLEMENTS.

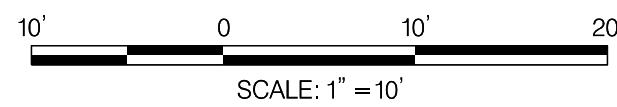
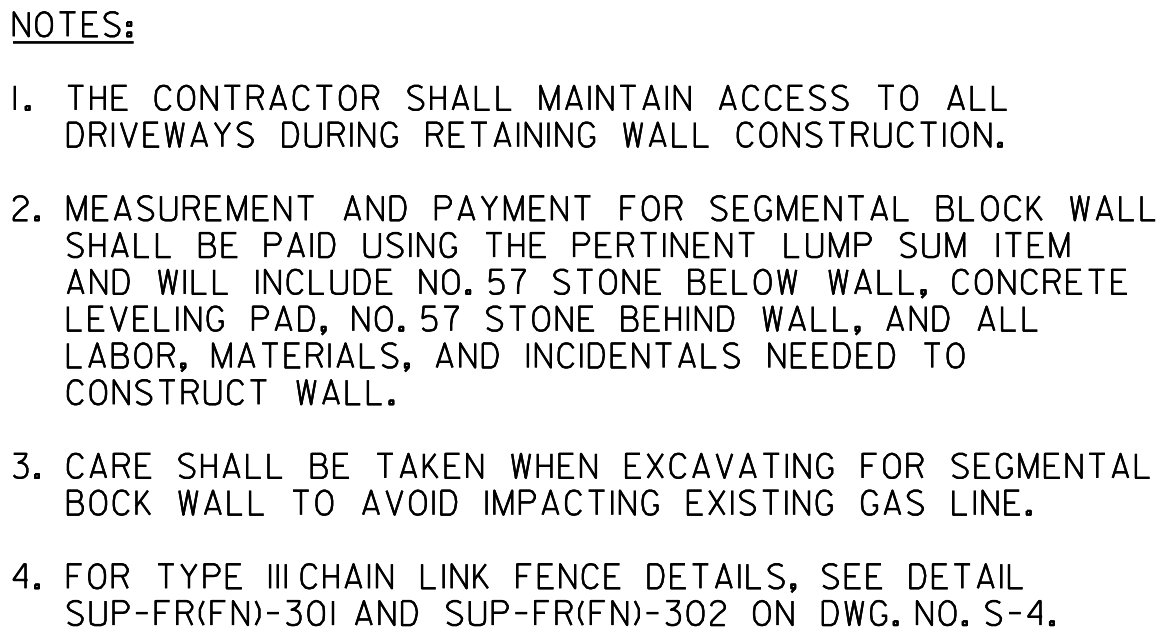
2. LISTED ON MDOT SHA OFFICE OF TRAFFIC AND SAFETY'S QUALIFIED PRODUCTS LIST (QPL).

[illegible]





WORKING POINTS		
NO.	NORTHING	EASTING
1	540,685.25	1,292,727.70
2	540,685.18	1,292,747.70
3	540,688.04	1,292,752.69
4	540,687.82	1,292,817.69



PROFESSIONAL CERTIFICATION.
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THAT I AM A DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF THE STATE
OF MARYLAND, LICENSE NO. 38931
EXPIRATION DATE: 12/22/2025



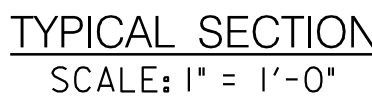
					MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND
					RECOMMENDED FOR APPROVAL
					SEE TITLE SHEET FOR SIGNATURE _____
					Chief, Transportation Planning and Design Section _____ Date _____
					APPROVED
					SEE TITLE SHEET FOR SIGNATURE _____
					Chief, Division of Transportation Engineering _____ Date _____
NO.	REVISION	DATE	BY		Designed by: <u>KW</u> Drawn by: <u>ZK</u> Checked by: <u>MM</u>

RETAINING WALL GENERAL PLAN AND ELEVATION

NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE

SCALE : VARIES DECEMBER 2024

Project No. : 502310 SHEET 26 of 40



SCALE: 1" = 1'-0"



MERCADO
CONSULTANTS, INC.

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND		
RECOMMENDED FOR APPROVAL		
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Chief, Transportation Planning and Design Section		Date _____
APPROVED		
SEE TITLE SHEET FOR SIGNATURE _____		
Chief, Division of Transportation Engineering		Date _____
Designed by: <u>MMW</u>	Drawn by: <u>ZK</u>	Checked by: <u>MMW</u>

SCALE : 1" = 1'-0" DECEMBER 2024

Project No. : 502310 SHEET 27 of 40

EROSION AND SEDIMENT CONTROL - GENERAL NOTES



Department of Permitting Services
2425 Reddie Drive, 7th Floor
Wheaton, MD 20902
Phone: 311 in Montgomery County or (240) 777-0311
<http://www.montgomerycountymd.gov/permitting-services>



DPS | Montgomery County
Department of Permitting Services
YOUR PROJECT PARTNER

Standard Erosion and Sediment Control Notes

March 2024

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

b) Seven (7) calendar days as to all other disturbed or graded areas on the project site not under active grading.

All areas disturbed outside of the perimeter sediment control system must be minimized and stabilized immediately. Maintenance must be performed as necessary to ensure continued stabilization.

7. The permit shall apply "sod or seed, and anchored straw mulch, or other approved stabilization measures to all disturbed areas within seven (7) calendar days after stripping and grading activities have ceased on that area. Maintenance shall be performed as necessary to ensure continued stabilization. Active construction areas such as borrow or stockpile areas, roadway improvements, and areas within fifty (50) feet of a building under construction may be exempt from this requirement, provided that erosion and sediment control measures are installed and maintained to protect those areas.
8. Prior to removal of sediment control measures, the permittee shall stabilize all contributory disturbed areas with required soil amendments and topsoil, using sod or an approved permanent seed mixture and an approved anchored mulch. Wood fiber mulch may only be used in seeding season when the slope does not exceed 100% and grading has been done to promote sheet flow drainage. Areas brought to finished grade during the seeding season shall be permanently stabilized within seven (7) calendar days of establishment. When property is brought to finished grade during the months of November through February, and permanent stabilization is found to be impractical, an approved temporary seed and straw anchored mulch shall be applied to disturbed areas. The final permanent stabilization of such property shall be completed prior to the following April 15.
9. The site permit, work, materials, approved SC/SM plans, and test reports shall be available at the site for inspection by duly authorized officials of Montgomery County.
10. Surface drainage flows over unstabilized cut and fill slopes shall be controlled by either preventing drainage flows from traversing the slopes or by installing mechanical devices to lower the water down slope without causing erosion. Dikes shall be installed and maintained at the top of cut or fill slopes until the slope and drainage area to it are fully stabilized, at which time they must be removed, and final grading done to promote sheet flow drainage. Mechanical devices must be provided at points of concentrated flow where erosion is likely to occur.
11. Permanent swales or other points of concentrated water flow shall be stabilized within 3 calendar days of establishment with "sod or seed with an approved erosion control matting or by other approved stabilization measures.
12. Sediment control devices shall be removed, with permission of the Department, within thirty (30) calendar days following establishment of permanent stabilization in all contributory drainage areas. Stormwater management structures used temporarily for sediment control shall be converted to the permanent configuration within this time period as well.
13. * No permanent cut or fill slope with a gradient steeper than 3:1 will be permitted in lawn maintenance areas or on residential lots. A slope gradient of up to 2:1 will be permitted in non-maintenance areas provided that those areas are indicated on the erosion and sediment control plan with a low-maintenance ground cover specified for permanent stabilization. Slope gradient steeper than 2:1 will not be permitted with vegetative stabilization.
14. The permittee shall install a splashblock at the bottom of each downspout unless the downspout is connected by a drain line to an acceptable outlet.

2

15. For finished grading, the permittee shall provide adequate gradients so as to prevent water from standing on the surface of lawns more than twenty-four (24) hours after the end of a rainfall, except in designated drainage courses and swale flow areas, which may drain as long as forty-eight (48) hours after the end of a rainfall.
16. Sediment traps or basins are not permitted within 20 feet of a building which is existing or under construction. No building may be constructed within 20 feet of a sediment trap or basin.
17. All inlets in non-sump areas shall have asphalt berms installed at the time of base paving establishment.
18. The sediment control inspector has the option of requiring additional sediment control measures, as deemed necessary.
19. All trap elevations are relative to the outlet elevation, which must be on existing undisturbed ground.
20. *Vegetative stabilization shall be performed in accordance with the Standards and Specifications for Soil Erosion and Sediment Control.
21. Sediment trap(s)/basin(s) shall be cleaned out and restored to the original dimensions when sediment has accumulated to the point of one-half (1/2) the wet storage depth of the trap/basin (1/4 the wet storage depth for ST-III) or when required by the sediment control inspector.
22. Sediment removed from traps/basins shall be placed and stabilized in approved areas, but not within a floodplain.
23. All sediment basins and traps must be surrounded with a welded wire safety fence. The fence must be at least 42 inches high, have posts spaced no farther apart than 8 feet, have mesh openings no greater than two inches in width and four inches in height, with a minimum of 14-gauge wire. Safety fence must be maintained in good condition at all times.
24. No excavation in the area of existing utilities is permitted unless their location has been determined. Call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work.
25. Off-site spoil or borrow areas must have prior approval by DPS.
26. Sediment trap/basin dewatering for cleanout or repair may only be done with the DPS inspector's permission. The inspector must approve the dewatering method for each application. The following methods may be considered:
 - A. Pump discharge may be directed to another on-site sediment trap or basin, provided it is of sufficient volume and the pump intake is floated to prevent agitation or suction of deposited sediments; or
 - B. the pump intake may utilize a Removable Pumping Station and must discharge into an undisturbed area through a non-erosive outlet; or
 - C. the pump intake may be floated and discharge into a Dirt Bag (12 oz. non-woven fabric), or approved equivalent, located in an undisturbed buffer area.

Remember: Dewatering operation and method must have prior approval by the DPS inspector.

27. The permittee must notify the Department of all utility construction activities within the permitted limits of disturbance prior to the commencement of those activities.
28. * Topsoil must be applied to all pervious areas within the limits of disturbance prior to permanent stabilization in accordance with MDE "Standards and Specifications for Soil Preparation, Topsoiling, and Soil Amendments".

* Class of turfgrass sod must be Maryland State Certified. Sod labels must be made available to the job foreman and the Sediment Control Inspector.

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SC0003

EROSION AND SEDIMENT CONTROL NOTES

NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE

SCALE : N/A

DECEMBER 2024

Project No. : 502310

SHEET 30 of 40

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. 38931
EXPIRATION DATE: 12/22/2025



MERCADO
CONSULTANTS, INC.

MONTGOMERY COUNTY
 DEPARTMENT OF TRANSPORTATION
 GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

SEE TITLE SHEET FOR SIGNATURE

Chief, Transportation Planning and Design Section

Date

APPROVED

SEE TITLE SHEET FOR SIGNATURE

Chief, Division of Transportation Engineering

Date

Designed by: MWM Drawn by: NL Checked by: MWM

EROSION AND SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION

3. PRIOR TO CLEARING TREES, INSTALLING SEDIMENT CONTROL MEASURES, OR GRADING, A PRECONSTRUCTION MEETING MUST BE CONDUCTED ON-SITE WITH THE MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES (MCDPS) SEDIMENT CONTROL INSPECTOR (240) 777-0311 (48 HOURS NOTICE) AND THE MNCPPC, PLANNING DEPARTMENT, PLANS ENFORCEMENT INSPECTOR (301) 495-4550 (48 HOURS NOTICE), THE OWNERS REPRESENTATIVE, AND THE SITE ENGINEER. IN ORDER FOR THE MEETING TO OCCUR, THE APPLICANT MUST PROVIDE ONE PAPER SET OF APPROVED SEDIMENT CONTROL PLANS TO MCDPS SEDIMENT CONTROL INSPECTOR AT THE PRECONSTRUCTION MEETING. IF NO PLANS ARE PROVIDED, THE MEETING SHALL NOT OCCUR AND WILL NEED TO BE RESCHEDULED PRIOR TO COMMENCING ANY WORK.
2. THE LIMITS OF DISTURBANCE MUST BE FIELD MARKED PRIOR TO CLEARING OF TREES, INSTALLATION OF SEDIMENT CONTROL MEASURES, CONSTRUCTION, OR OTHER LAND DISTURBING ACTIVITIES.
3. THE PERMITTEE MUST OBTAIN WRITTEN APPROVAL FROM THE M-NCPPC INSPECTOR, CERTIFYING THAT THE LIMITS OF DISTURBANCE AND TREE PROTECTION MEASURES ARE CORRECTLY MARKED AND INSTALLED PRIOR TO COMMENCING ANY CLEARING.
4. CLEAR AND GRUB FOR INSTALLATION OF SEDIMENT CONTROL DEVICES.
5. INSTALL SEDIMENT CONTROL DEVICES FOR STAGE 1 AS SHOWN ON SHEETS SC0005, SC0006, AND SC0007. TRAPS AND BASINS SHALL BE CONSTRUCTED PRIOR TO CONSTRUCTION OF ANY EARTH DIKES THAT CONVEY DRAINAGE TO A TRAP AND/OR BASIN.
6. ONCE THE SEDIMENT CONTROL DEVICES ARE INSTALLED, THE PERMITTEE MUST OBTAIN WRITTEN APPROVAL FROM THE MCDPS INSPECTOR BEFORE PROCEEDING WITH ANY ADDITIONAL CLEARING, GRUBBING, GRADING, OR CONSTRUCTION ACTIVITIES DESCRIBED BELOW.
7. INDIVIDUAL STEPS WITHIN STAGE 1 AND STAGE 2 BELOW MAY BE PERFORMED CONCURRENTLY PROVIDED ALL SEDIMENT CONTROLS ARE IN PLACE AND OPERATING DOWNSTREAM OF ANY DISTURBED AREA.

STAGE I:

8. CONSTRUCT NEW CURB AND GUTTER FOR NORTH HIGH STREET FROM STA.100+94 TO GEORGIA AVENUE. ANY AREA DISTURBED ADJACENT TO NEW CURB SHALL BE TREATED WITH SAME DAY STABILIZATION.
9. CONSTRUCT NEW DRIVEWAYS AND SIDEWALKS FOR NORTH HIGH STREET FROM STA.100+94 TO GEORGIA AVENUE AS SHOWN ON SHEET SC0005. ANY AREA DISTURBED ADJACENT TO NEW DRIVEWAYS AND SIDEWALKS SHALL BE TREATED WITH SAME DAY STABILIZATION.
10. PERFORM FULL DEPTH PAVEMENT CONSTRUCTION ON NORTH HIGH STREET FROM STA.100+94 TO 103+35 (HIGH POINT ON NORTH HIGH STREET). PLACE ALL PAVEMENT LAYERS EXCEPT FINAL TOP PAVEMENT LAYER. THE CONTRACTOR SHALL ENSURE THAT ALL RESIDENTS/BUSINESSES ARE ABLE TO ACCESS THEIR DRIVEWAYS DURING THE PAVEMENT OPERATIONS AND SHALL COORDINATE ACCESS WITH MCDOT.
11. PERFORM FULL DEPTH PAVEMENT CONSTRUCTION ON NORTH HIGH STREET FROM STA.103+35 TO 104+00. EASTBOUND SILT FENCE ON PAVEMENT SHALL BE INSTALLED WHEN CONSTRUCTING FULL DEPTH PAVEMENT FOR THE EASTBOUND LANE OF NORTH HIGH STREET AND WESTBOUND SILT FENCE ON PAVEMENT SHALL BE INSTALLED WHEN CONSTRUCTING FULL DEPTH PAVEMENT FOR THE WESTBOUND LANE OF NORTH HIGH STREET. THE CONTRACTOR IS NOT PERMITTED TO CONSTRUCT BOTH EASTBOUND AND WESTBOUND LANES AT THE SAME TIME. PLACE ALL PAVEMENT LAYERS EXCEPT FINAL TOP PAVEMENT LAYER.
12. CONSTRUCT NEW CURB AND GUTTER, DRIVEWAYS, AND SIDEWALK ON BOTH NORTHBOUND AND SOUTHBOUND MORNINGWOOD DRIVE FROM STA.196+00 TO 200+50 AND ONLY ALONG SOUTHBOUND FROM STA.200+50 TO 203+62.

STAGE 2:

13. INSTALL SEDIMENT CONTROL MEASURES FOR STAGE 2 AS SHOWN ON SHEETS SC0008, SC0009, AND SC0010, WHERE INSTALLATION OF STAGE 2 SEDIMENT CONTROL MEASURES REQUIRES REMOVAL OF STAGE 1 MEASURES, REMOVAL SHALL BE APPROVED BY THE MCDPS SEDIMENT CONTROL INSPECTOR. MAINTAIN ALL STAGE 1 SEDIMENT CONTROL MEASURES THAT ARE LEFT IN PLACE AFTER STAGE 1.
14. CONSTRUCT NEW CURB AND GUTTER FOR NORTH HIGH STREET FROM SUPER SILT FENCE AT STA. 100+28 TO 100+94. INSTALL NEW RETAINING WALL ALONG SOUTH SIDE OF NORTH HIGH STREET AND ADJACENT SIDEWALK.
15. PERFORM FULL DEPTH PAVEMENT CONSTRUCTION ON NORTH HIGH STREET FROM STA. 100+28 TO 100+94. PLACE ALL PAVEMENT LAYERS EXCEPT FINAL TOP PAVEMENT LAYER.
16. REMOVE SUPER SILT FENCE AT STA. 100+28 AND CONSTRUCT FINAL PORTIONS OF CURB AND GUTTER AND FULL DEPTH PAVEMENT ON NORTH HIGH STREET BETWEEN STA. 100+16 TO 100+28. EXCAVATION AND PLACEMENT FOR GRADED AGGREGATE BASE FOR FULL DEPTH PAVEMENT IN THIS SECTION SHALL ONLY OCCUR DURING A 3-DAY NOAA DRY PERIOD. PLACE ALL PAVEMENT LAYERS EXCEPT FINAL TOP PAVEMENT LAYER.
17. CONSTRUCT NEW CURB AND GUTTER AND SIDEWALK ALONG NORTHBOUND MORNINGWOOD DRIVE FROM STA. 200+50 TO 203+62. ANY AREA DISTURBED ADJACENT TO NEW CURB AND GUTTER OR SIDEWALK SHALL BE TREATED WITH SAME DAY STABILIZATION.
18. PERFORM FINAL GRADING AND STABILIZE ALL DISTURBED AREAS.
19. MILL THE PORTIONS OF MORNINGWOOD DRIVE AND NORTH HIGH STREET THAT WILL NOT HAVE FULL DEPTH PAVEMENT CONSTRUCTION.
20. PLACE TOP (FINAL) LAYER OF PAVEMENT FOR MORNINGWOOD DRIVE AND NORTH HIGH STREET.
21. ALL SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION AREA IS STABILIZED INCLUDING VEGETATIVE ESTABLISHMENT. UPON STABILIZATION OF THE SITE AND WITH WRITTEN APPROVAL FROM THE MCDPS INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES AND STABILIZE THOSE AREAS DISTURBED BY THE DEVICES.

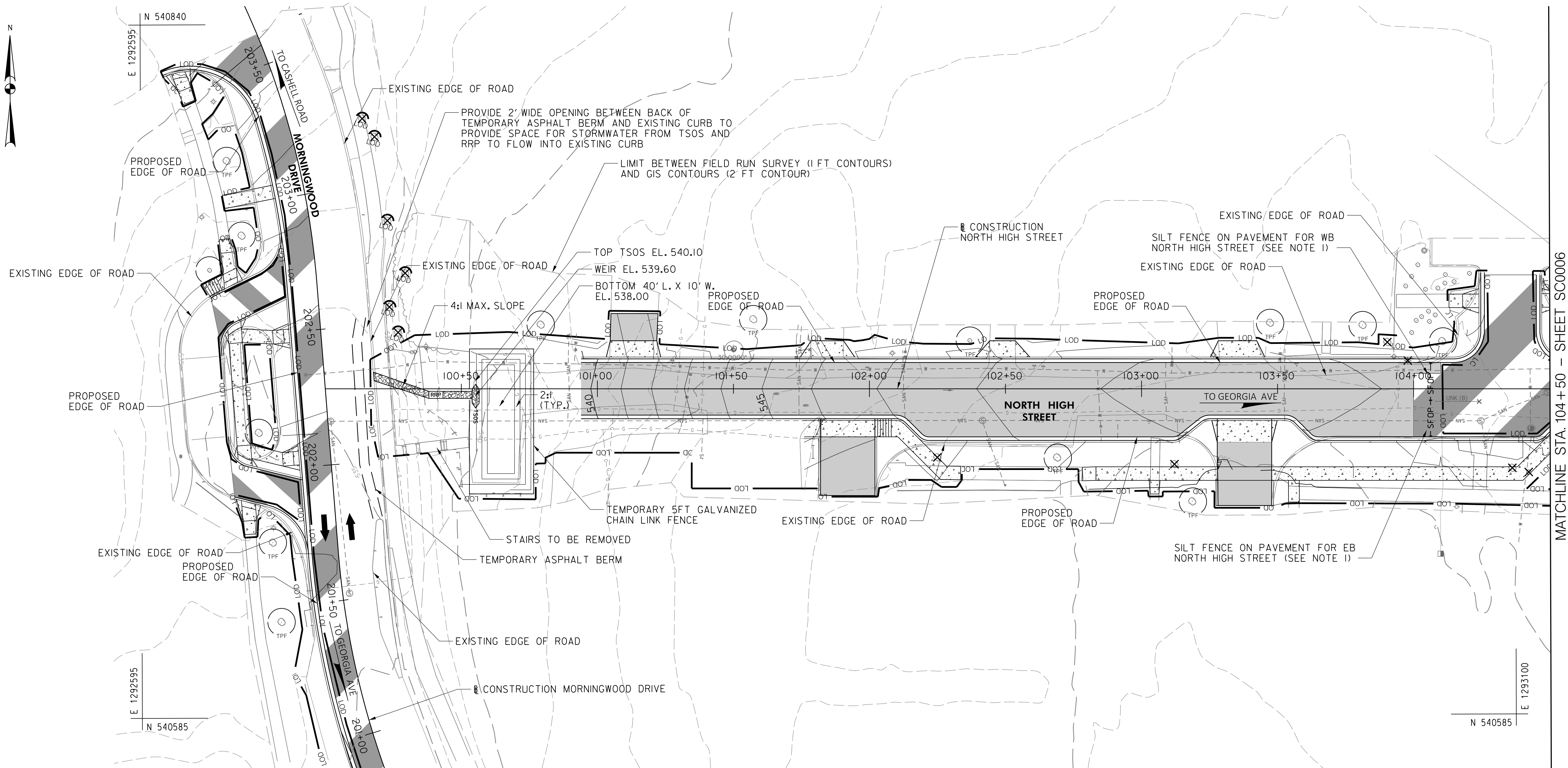
SC0004

PROFESSIONAL CERTIFICATION.
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WERE PREPARED OR APPROVED BY ME, AND
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ENGINEER UNDER THE LAWS OF THE STATE
OF MARYLAND, LICENSE NO. 38931
EXPIRATION DATE: 12/22/2025



					MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND	EROSION AND SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION NORTH HIGH STREET EXTENDED FROM GEORGIA AVENUE (MD 97) TO MORNINGWOOD DRIVE					
					RECOMMENDED FOR APPROVAL SEE TITLE SHEET FOR SIGNATURE _____ Date _____ Chief, Transportation Planning and Design Section APPROVED SEE TITLE SHEET FOR SIGNATURE _____ Date _____ Chief, Division of Transportation Engineering						
						SCALE : N/A DECEMBER 2024					
NO.	REVISION	DATE	BY		Designed by: <u>MMW</u> Drawn by: <u>MA</u> Checked by: <u>MMW</u>	Project No.: <u>502310</u> SHEET <u>31</u> of <u>40</u>					

12/12/2024 P:\Projects\1508\1508.27 North High Street\10 CADD\ESC\DES-P001-N High St.dgn



MATCHLINE STA. 200+86 – SHEET SC0007

LEGEND:

- | | |
|----------|----------------------------------|
| — LOD — | LIMITS OF DISTURBANCE |
| [RRP] | RIPRAP INFLOW PROTECTION |
| [TSOS] | TEMPORARY STONE OUTLET STRUCTURE |
| — SFOP — | SILT FENCE ON PAVEMENT |
| — SSF — | SUPER SILT FENCE |
| — — — | TEMPORARY ASPHALT BERM |
| [TPF] | TREE PROTECTION FENCE |
| [X] | TREE REMOVAL |

PLAN – STAGE 1
SCALE: 1" = 20'



NOTES:

- SILT FENCE ON PAVEMENT SHALL ONLY BE INSTALLED FOR FULL DEPTH PAVEMENT CONSTRUCTION BETWEEN STA. 103+35 AND 104+00. SILT FENCE SHALL NOT BLOCK ENTIRE ROADWAY WIDTH AND ONLY HALF OF THE ROADWAY SHALL BE BLOCKED AT A TIME TO ALLOW VEHICLE ACCESS. EB SILT FENCE ON PAVEMENT SHALL BE INSTALLED WHEN CONSTRUCTING FULL DEPTH PAVEMENT FOR THE EB LANE OF NORTH HIGH STREET AND WB SILT FENCE ON PAVEMENT SHALL BE INSTALLED WHEN CONSTRUCTING FULL DEPTH PAVEMENT FOR THE WB LANE OF NORTH HIGH STREET. THE CONTRACTOR IS NOT PERMITTED TO CONSTRUCT BOTH EB AND WB LANES AT THE SAME TIME.
- ALL DISTURBED AREA THAT DOES NOT DRAIN TO A SEDIMENT CONTROL DEVICE SHALL BE STABILIZED BY THE END OF EACH WORKDAY. NO AREA SHALL BE DISTURBED THAT CANNOT BE STABILIZED BY THE END OF EACH WORKDAY. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS THE RUNOFF IS DIRECTED TO AN APPROVED SEDIMENT CONTROL DEVICE.

SC0005

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NO.	REVISION	DATE	BY

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND	
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APPROVED SEE TITLE SHEET FOR SIGNATURE Chief, Division of Transportation Engineering	Date
Designed by: <u>MM</u>	Drawn by: <u>MA</u>
Checked by: <u>MM</u>	

EROSION AND SEDIMENT CONTROL
PLAN – STAGE 1
**NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE**

SCALE : 1" = 20'-0"
Project No. : 1502310
SHEET 32 of 40
DECEMBER 2024



20' 0 20' 40

SCALE: 1"=20'

TREE PROTECTION FENCE

I. ALL DISTURBED AREA THAT DOES NOT DRAIN TO A SEDIMENT CONTROL DEVICE SHALL BE STABILIZED BY THE END OF EACH WORKDAY, NO AREA SHALL BE DISTURBED THAT CANNOT BE STABILIZED BY THE END OF EACH WORKDAY, NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS THE RUNOFF IS DIRECTED TO AN APPROVED SEDIMENT CONTROL DEVICE.

SCALE : 1" = 20'-0"	DECEMBER 2024
Project No. : 502310	SHEET 33 of 40

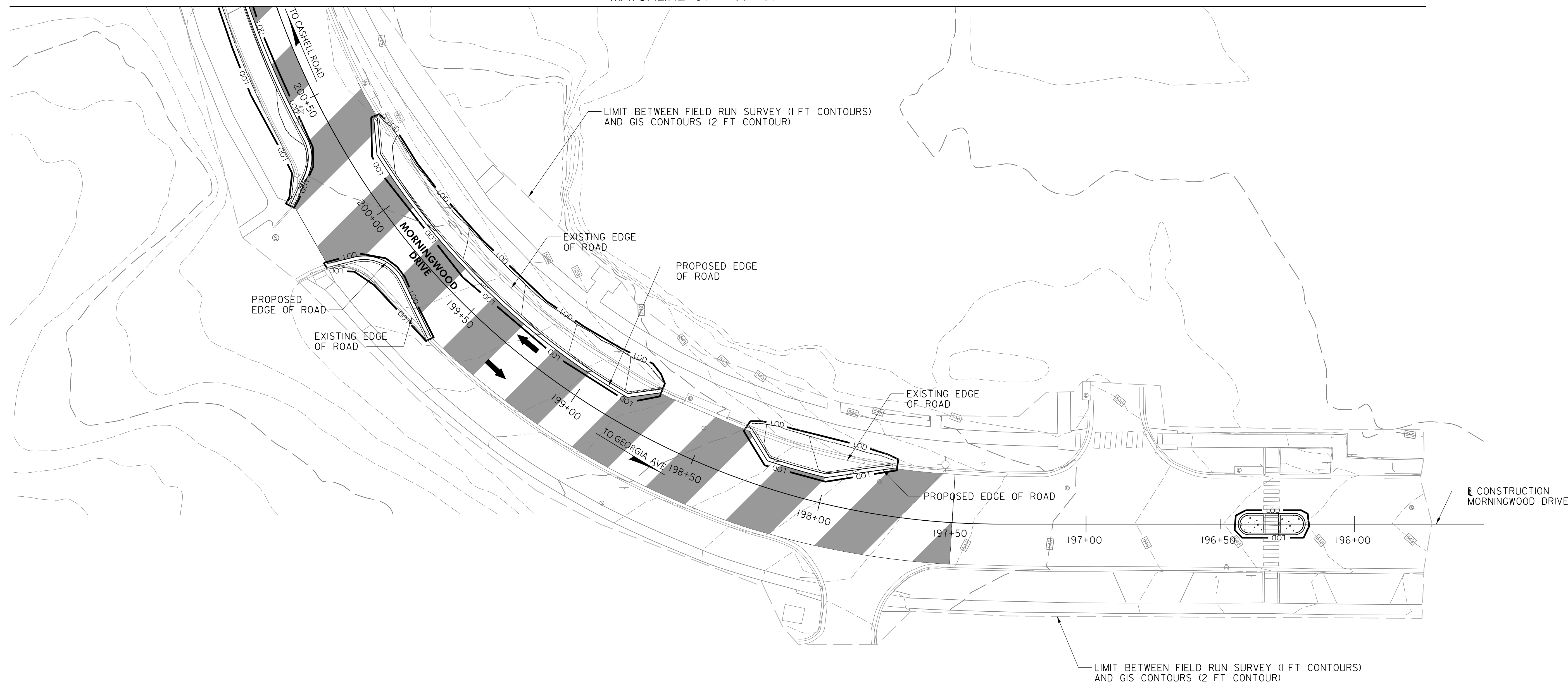


MERCADO
CONSULTANTS, INC.

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MATCHLINE STA. 200+86 - SHEET SC0005



LEGEND:

— LOD —

LIMITS OF DISTURBANCE

PLAN - STAGE 1
SCALE: 1" = 20'



NOTES:

1. ALL DISTURBED AREA THAT DOES NOT DRAIN TO A SEDIMENT CONTROL DEVICE SHALL BE STABILIZED BY THE END OF EACH WORKDAY. NO AREA SHALL BE DISTURBED THAT CANNOT BE STABILIZED BY THE END OF EACH WORKDAY. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS THE RUNOFF IS DIRECTED TO AN APPROVED SEDIMENT CONTROL DEVICE.

SC0007

EROSION AND SEDIMENT CONTROL
PLAN - STAGE 1

NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE

SCALE : 1" = 20'-0"

DECEMBER 2024

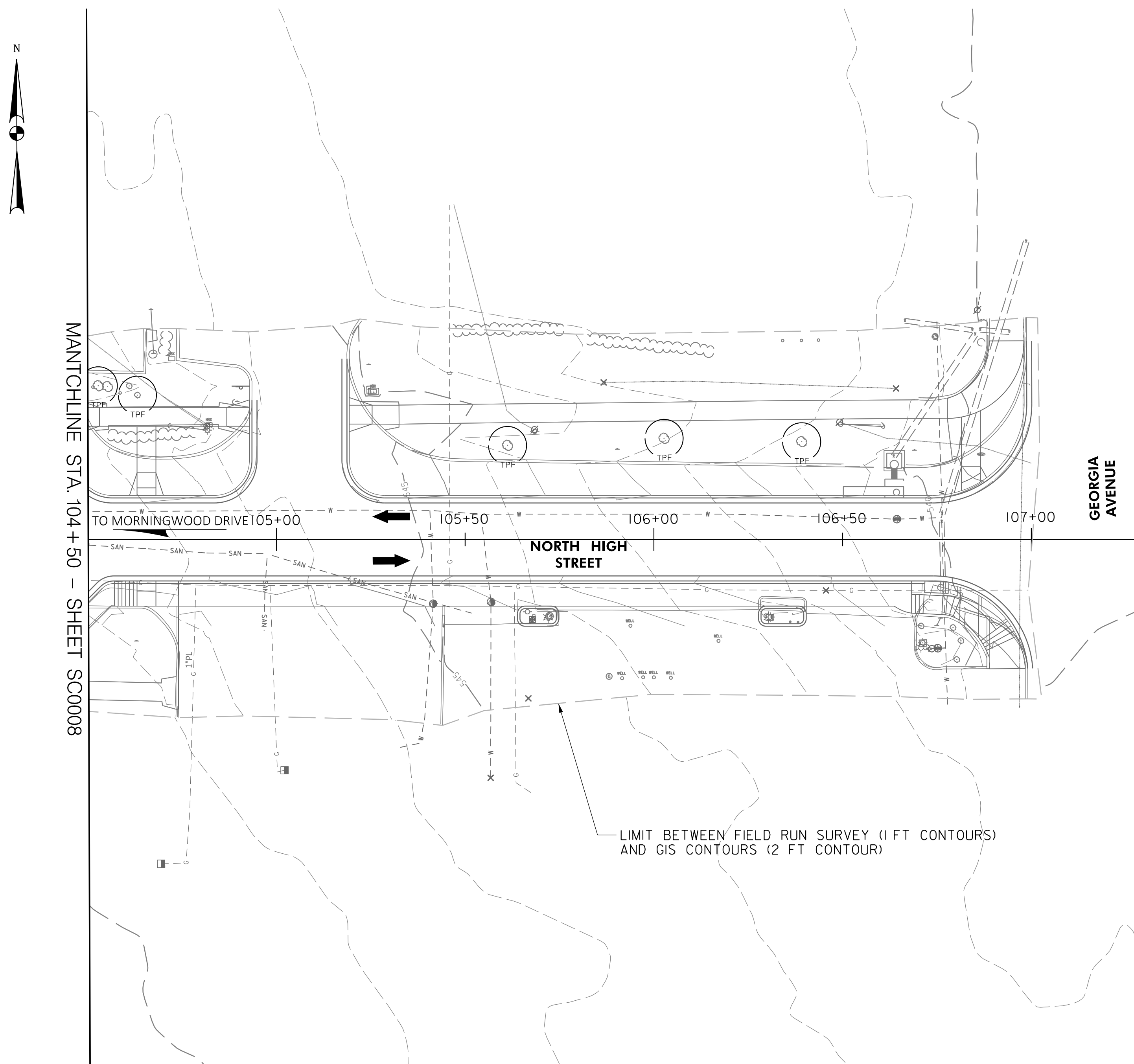
Project No. : 502310

SHEET 34 of 40

PROFESSIONAL CERTIFICATION.
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THAT I AM A DULY LICENSED PROFESSIONAL
ENGINEER UNDER THE LAWS OF THE STATE
OF MARYLAND, LICENSE NO. 38931
EXPIRATION DATE: 12/22/2025



				MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND
				RECOMMENDED FOR APPROVAL
				SEE TITLE SHEET FOR SIGNATURE _____ Date _____
				Chief, Transportation Planning and Design Section
				APPROVED
				SEE TITLE SHEET FOR SIGNATURE _____ Date _____
				Chief, Division of Transportation Engineering
NO.	REVISION	DATE	BY	Designed by: <u>MM</u> Drawn by: <u>MA</u> Checked by: <u>MM</u>



PLAN - STAGE 2
SCALE: 1" = 20'



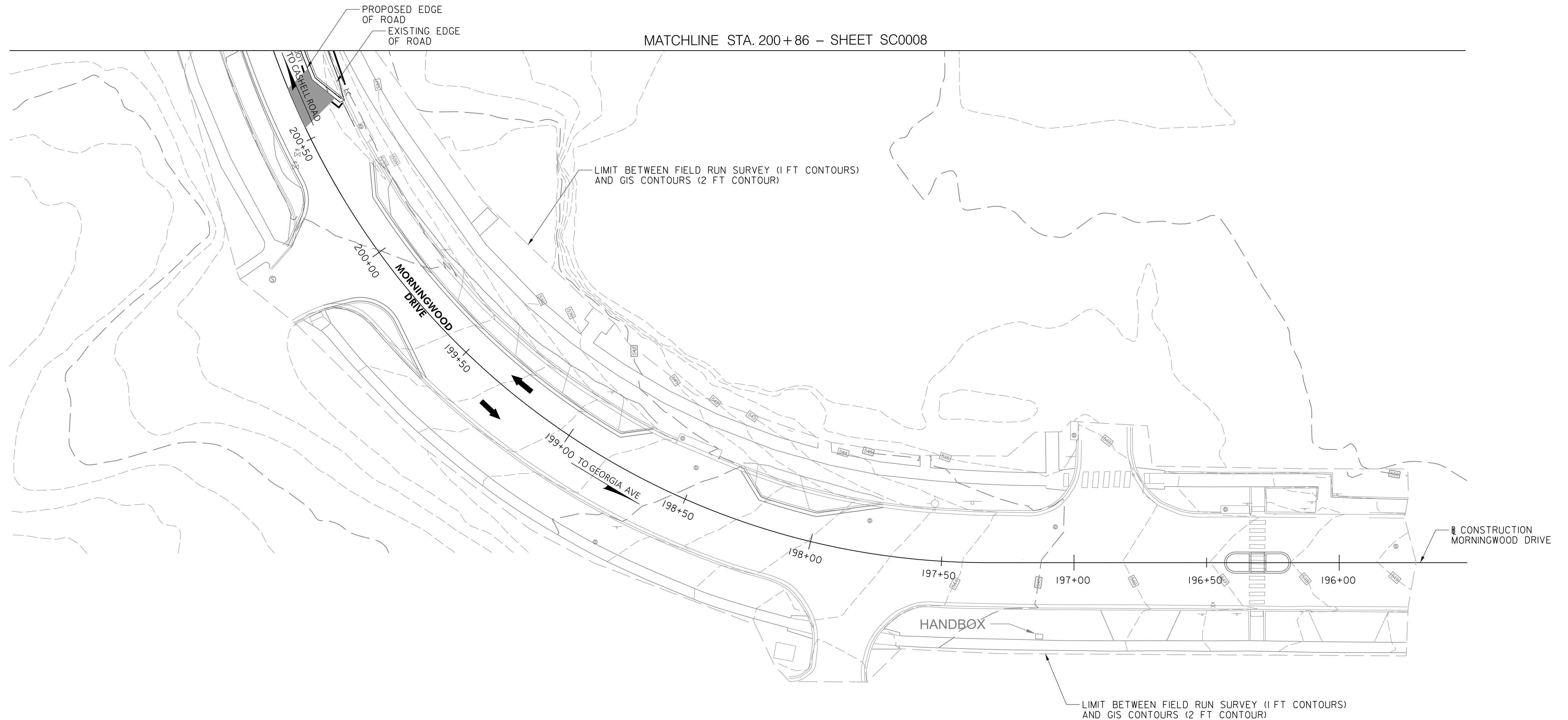
LEGEND:

— LOD —

LIMITS OF DISTURBANCE

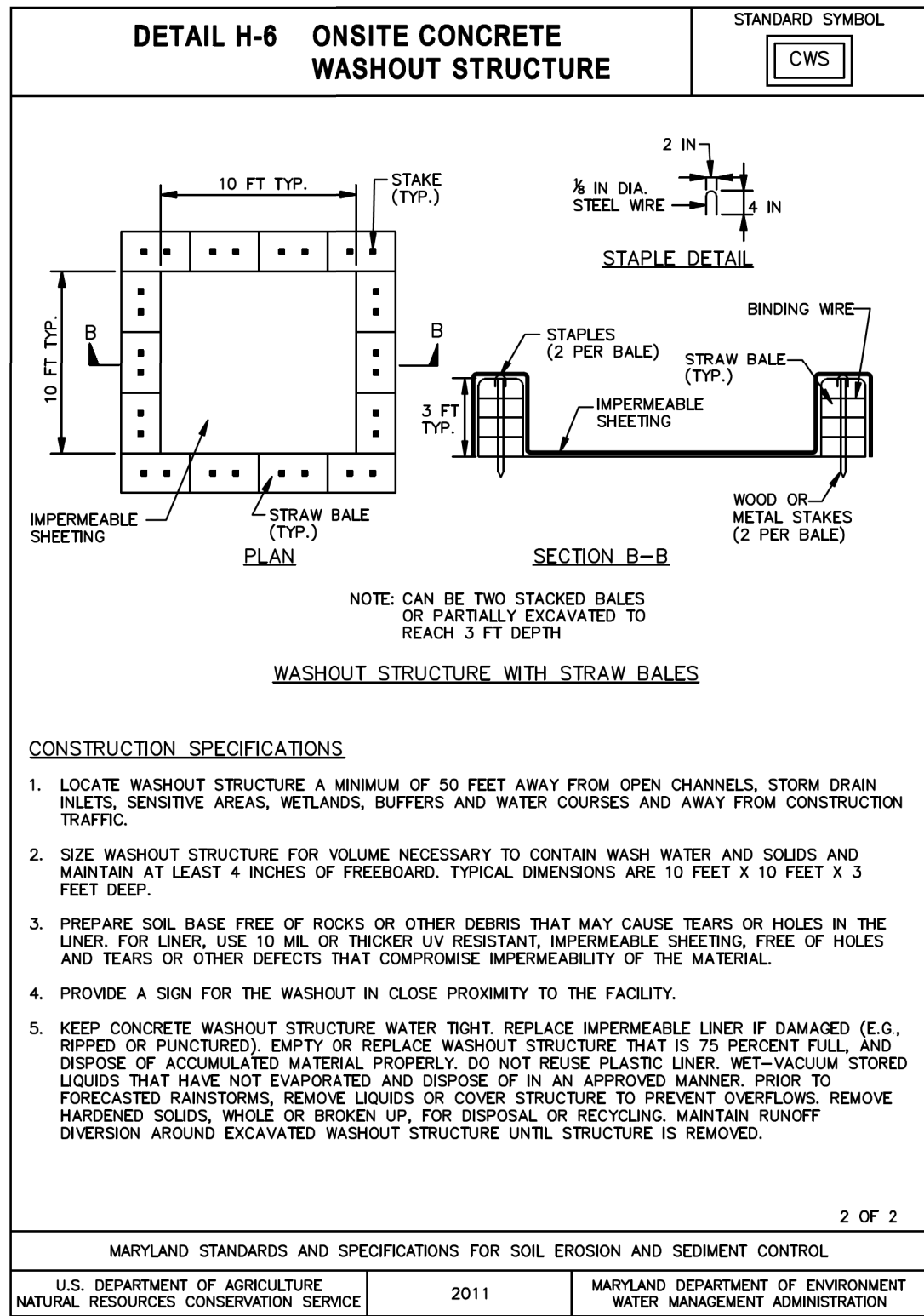
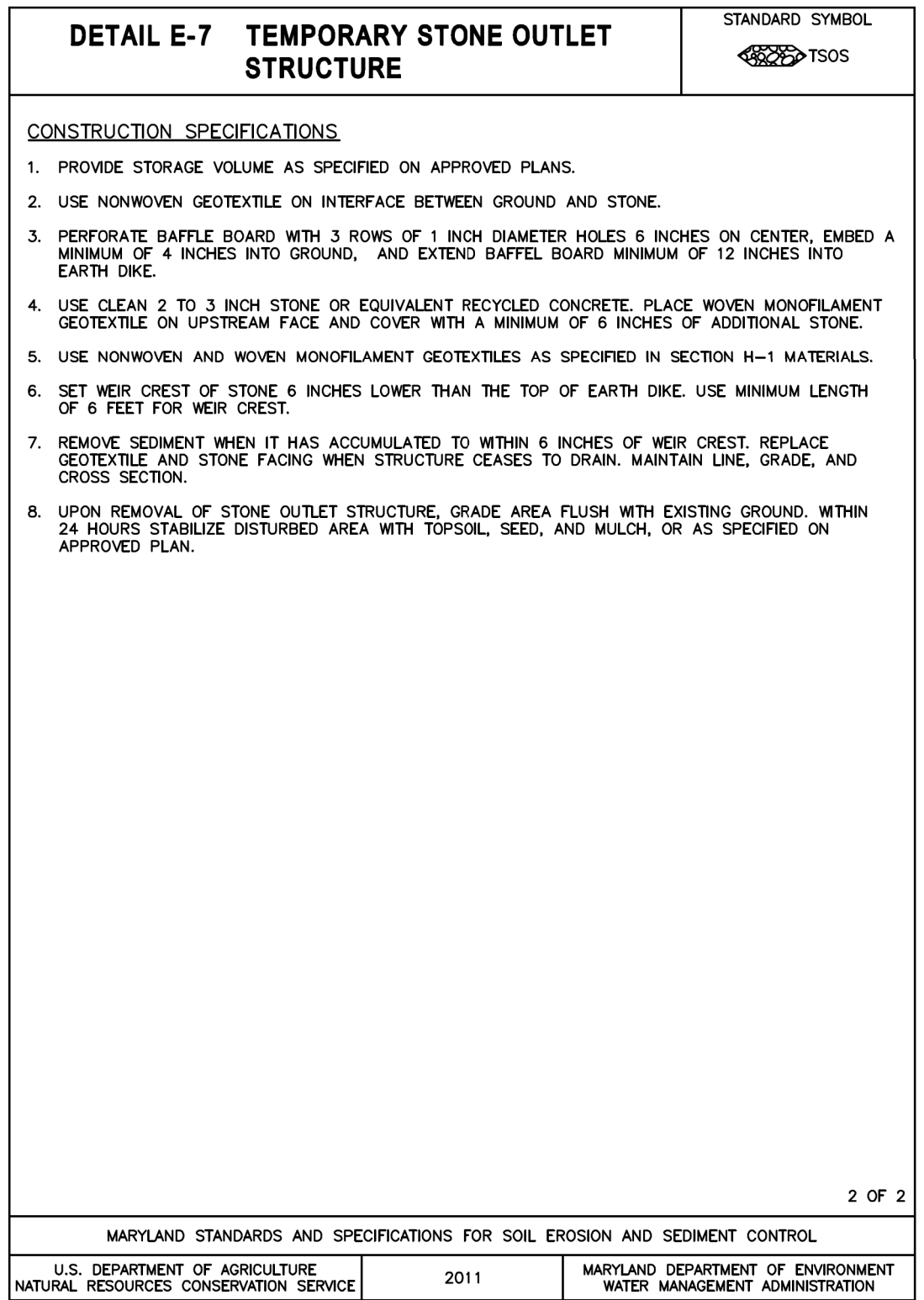
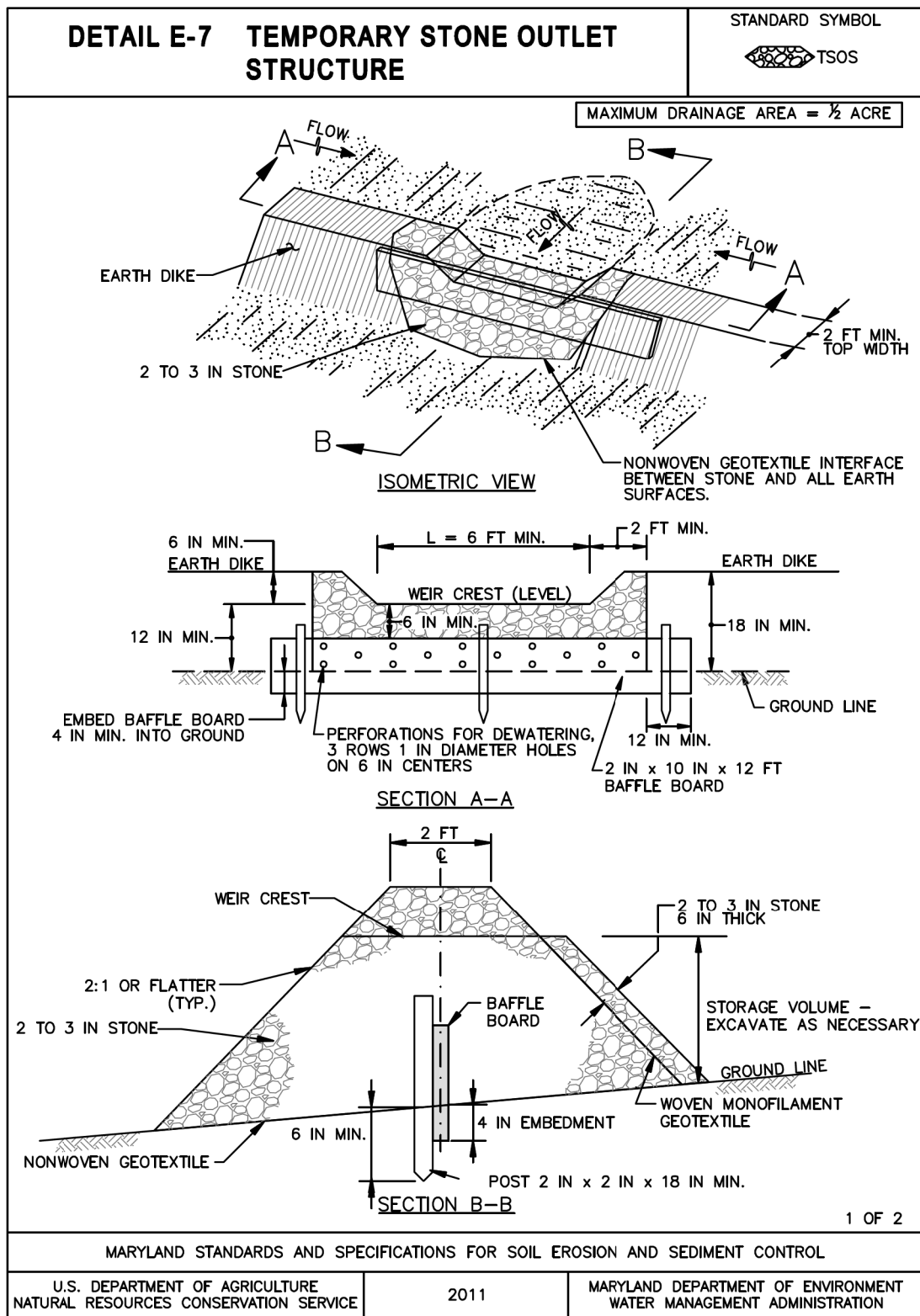
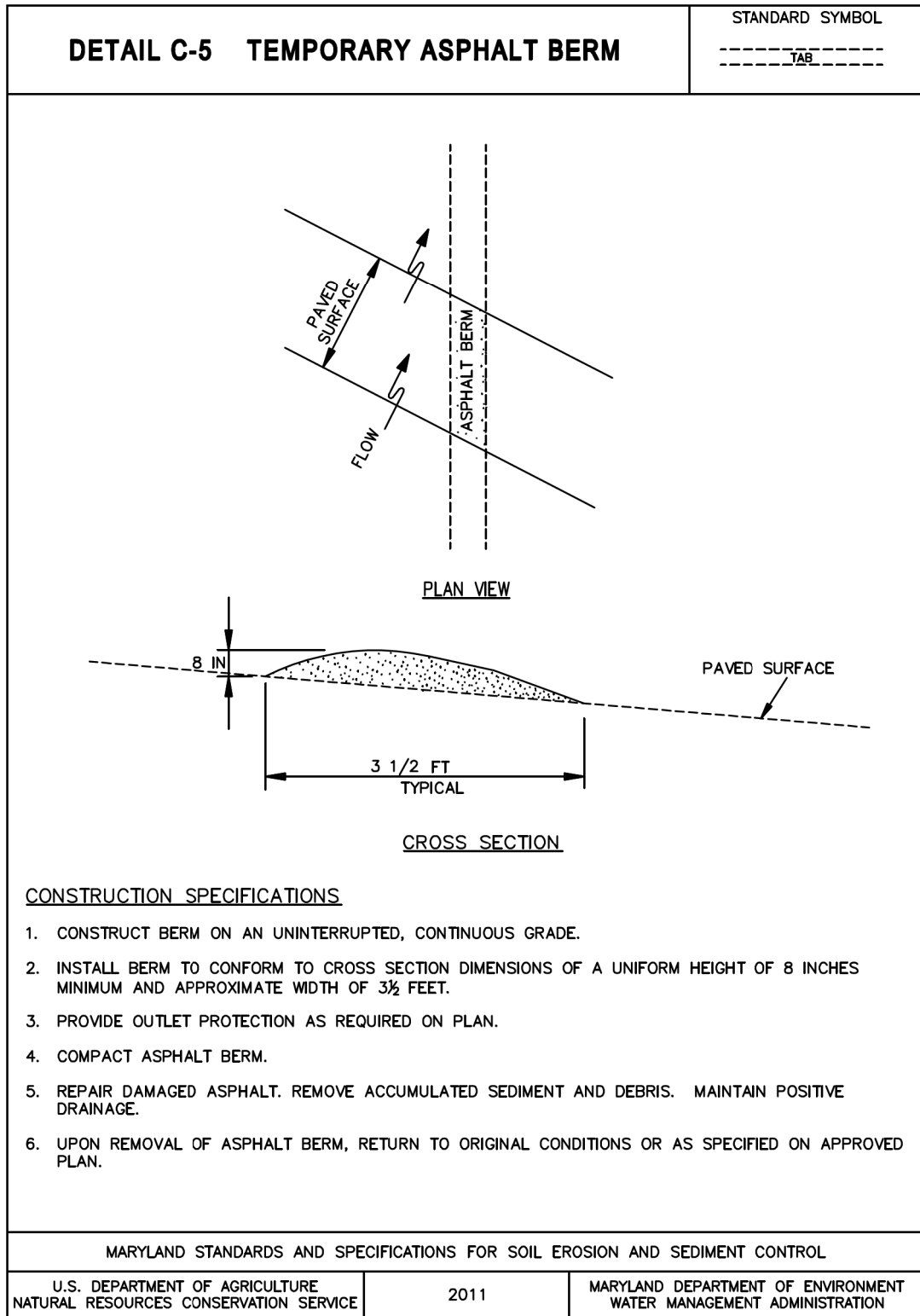
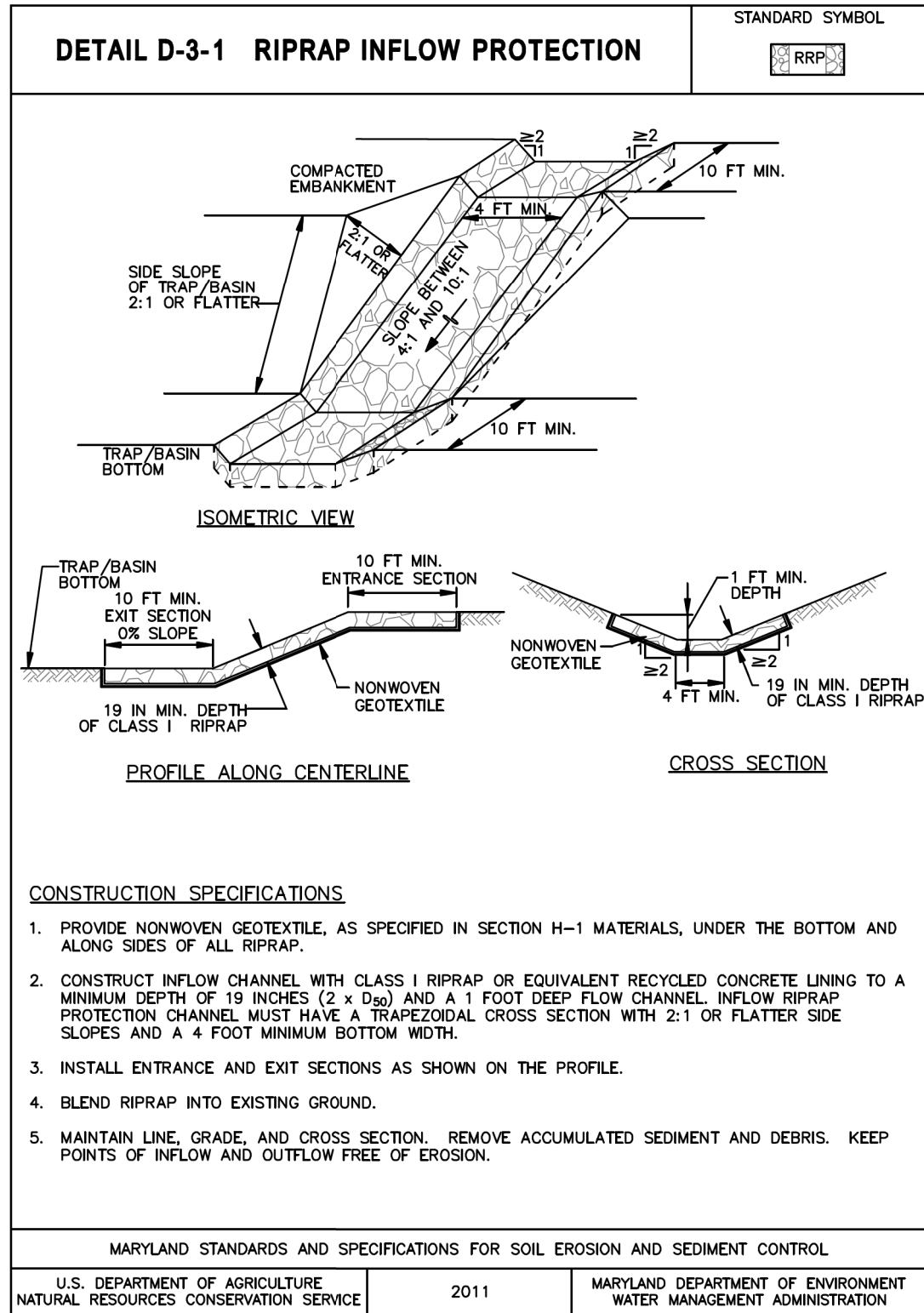
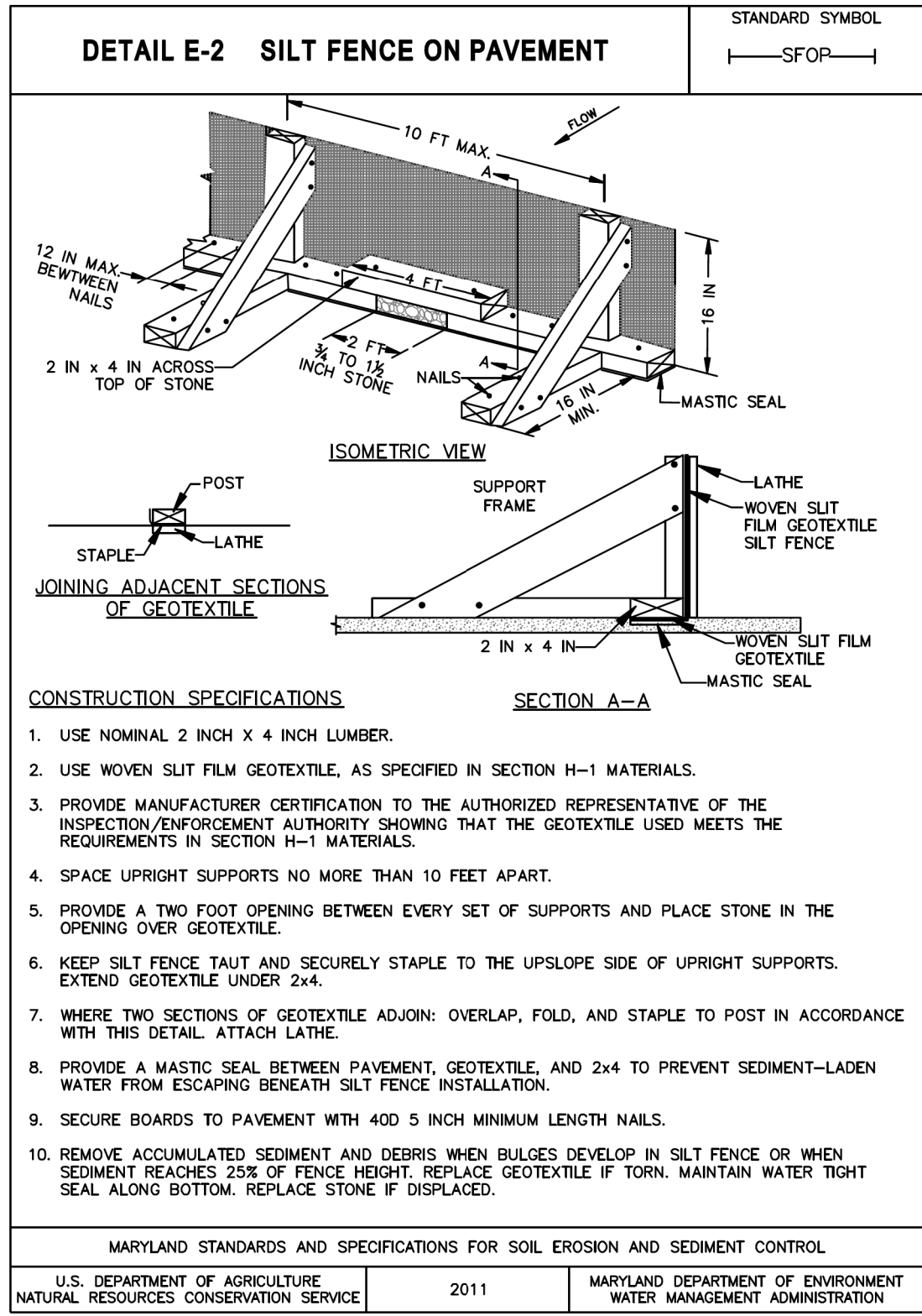
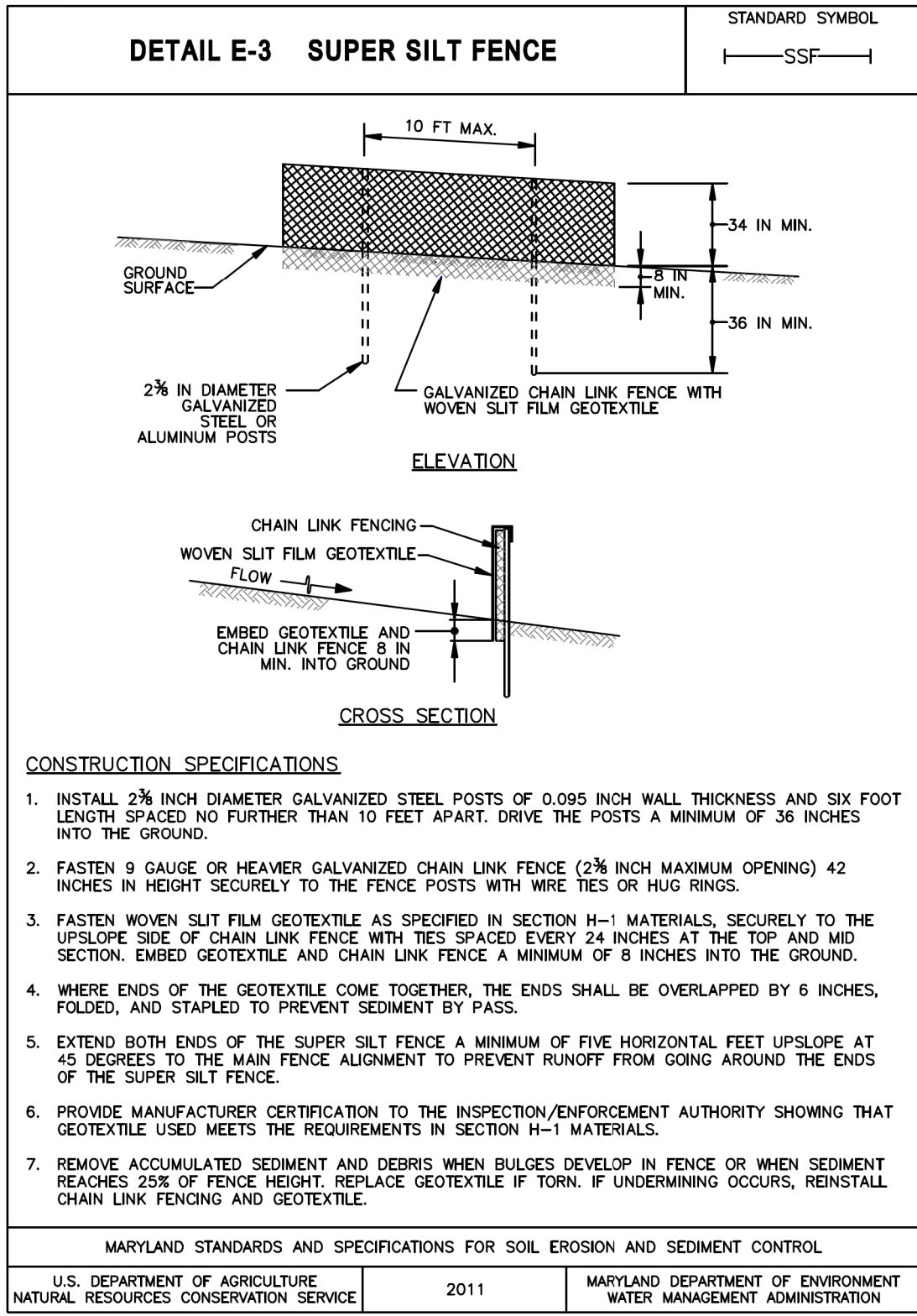
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— LOD —

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MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
SEE TITLE SHEET FOR SIGNATURE
Chief, Transportation Planning and Design Section
Date
APPROVED
SEE TITLE SHEET FOR SIGNATURE
Chief, Division of Transportation Engineering
Date

Designed by: MA Drawn by: MA Checked by: MM

EROSION AND SEDIMENT CONTROL STANDARD DETAILS

NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE

SCALBNOT TO SCALE DECEMBER 2024
Project No. : 502310 SHEET 38 of 40



EROSION AND SEDIMENT CONTROL STANDARD DETAILS

NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE

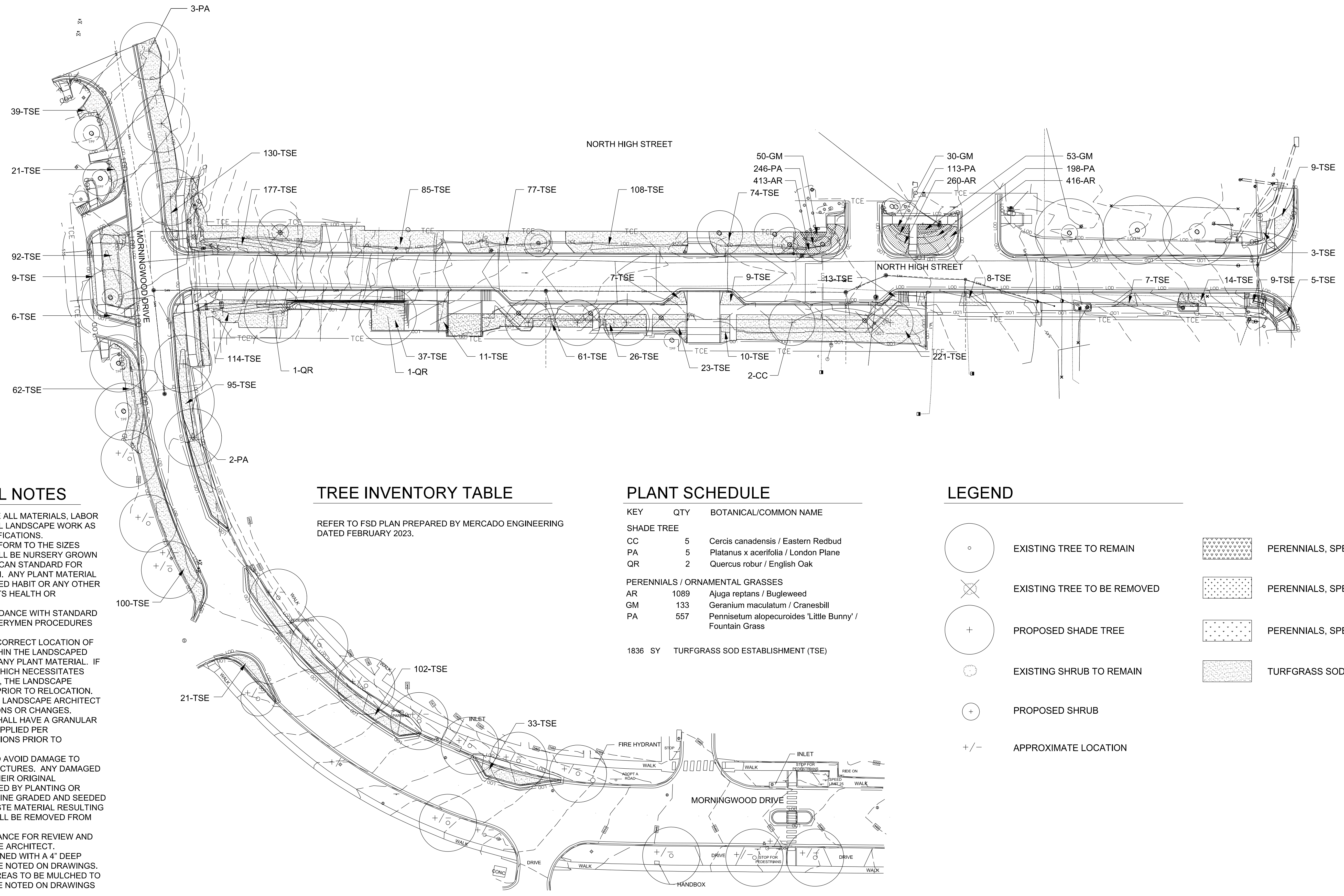
SCALE NOT TO SCALE

Project No. : 502310 SHEET 39 of 40

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OF MARYLAND, LICENSE NO. 38931
EXPIRATION DATE: 12/22/2025



					MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND
					RECOMMENDED FOR APPROVAL
					SEE TITLE SHEET FOR SIGNATURE _____ Date _____
					Chief, Transportation Planning and Design Section
					APPROVED
					SEE TITLE SHEET FOR SIGNATURE _____ Date _____
					Chief, Division of Transportation Engineering
NO.	REVISION	DATE	BY		Designed by: MA Drawn by: MA Checked by: MMH



PLANTING GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT TO COMPLETE ALL LANDSCAPE WORK AS SHOWN ON THE PLANS AND SPECIFICATIONS.
2. ALL PLANT MATERIALS SHALL CONFORM TO THE SIZES GIVEN IN THE PLANT LIST AND SHALL BE NURSERY GROWN IN ACCORDANCE WITH THE "AMERICAN STANDARD FOR NURSERY STOCK," LATEST EDITION. ANY PLANT MATERIAL EXHIBITING A SPINDLY OR LOP-SIDED HABIT OR ANY OTHER FEATURE THAT DETRACTS FROM ITS HEALTH OR APPEARANCE WILL BE REJECTED.
3. ALL PLANTING SHALL BE IN ACCORDANCE WITH STANDARD AMERICAN ASSOCIATION OF NURSERYMEN PROCEDURES AND SPECIFICATIONS.
4. CONTRACTOR SHALL VERIFY THE CORRECT LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE LANDSCAPED AREA PRIOR TO INSTALLATION OF ANY PLANT MATERIAL. IF CONDITIONS ARISE IN THE FIELD WHICH NECESSITATES SHIFTING OF THE PLANT MATERIAL, THE LANDSCAPE ARCHITECT IS TO BE CONSULTED PRIOR TO RELOCATION.
5. OBTAIN WRITTEN APPROVAL FROM LANDSCAPE ARCHITECT BEFORE MAKING ANY SUBSTITUTIONS OR CHANGES.
6. ALL PLANT BEDS AND TREE PITS SHALL HAVE A GRANULAR PRE-EMERGENT WEED CONTROL APPLIED PER MANUFACTURER'S RECOMMENDATIONS PRIOR TO MULCHING.
7. PRECAUTIONS SHALL BE TAKEN TO AVOID DAMAGE TO EXISTING PLANTS, TURF AND STRUCTURES. ANY DAMAGED AREAS SHALL BE RESTORED TO THEIR ORIGINAL CONDITIONS. ALL AREAS DISTURBED BY PLANTING OR GRADING OPERATIONS SHALL BE FINE GRADED AND SEEDED OR SODDED. ALL DEBRIS AND WASTE MATERIAL RESULTING FROM PLANTING OPERATIONS SHALL BE REMOVED FROM THE PROJECT AND CLEANED UP.
8. PLACE PLANTS FOR BEST APPEARANCE FOR REVIEW AND FINAL ORIENTATION BY LANDSCAPE ARCHITECT.
9. ALL PLANT BEDS SHALL BE CONTAINED WITH A 4" DEEP SPACED EDGE UNLESS OTHERWISE NOTED ON DRAWINGS.
10. ALL PLANT BEDS AND PLANTING AREAS TO BE MULCHED TO A DEPTH OF 3" UNLESS OTHERWISE NOTED ON DRAWINGS OR SPECIFICATIONS.

TREE INVENTORY TABLE

REFER TO FSD PLAN PREPARED BY MERCADO ENGINEERING DATED FEBRUARY 2023.

PLANT SCHEDULE

KEY	QTY	BOTANICAL/COMMON NAME
SHADE TREE		
CC	5	Cercis canadensis / Eastern Redbud
PA	5	Platanus x acerifolia / London Plane
QR	2	Quercus robur / English Oak
PERENNIALS / ORNAMENTAL GRASSES		
AR	1089	Ajuga reptans / Bugleweed
GM	133	Geranium maculatum / Cranesbill
PA	557	Pennisetum alopecuroides 'Little Bunny' / Fountain Grass
1836	SY	TURFGRASS SOD ESTABLISHMENT (TSE)

LEGEND

	EXISTING TREE TO REMAIN		PERENNIALS, SPECIES #1
	EXISTING TREE TO BE REMOVED		PERENNIALS, SPECIES #2
	PROPOSED SHADE TREE		PERENNIALS, SPECIES #3
	EXISTING SHRUB TO REMAIN		TURFGRASS SOD ESTABLISHMENT (TSE)
	PROPOSED SHRUB		
	APPROXIMATE LOCATION		

30' 0 30' 60'
SCALE: 1" = 30'

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EXPIRATION DATE: _____

MAHAN RYKIEL
LANDSCAPE ARCHITECTURE
URBAN DESIGN & PLANNING

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL
Chief, Transportation Planning and Design Section
APPROVED

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

LANDSCAPE PLAN

**NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE**

SCALE : 1" = 30'
Project No. : _502310_ SHEET **40** of 40
DECEMBER 2024