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	REQD	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 LOMR (REQUIRED POST CONSTRUCTION)		X			
OTHERS: (PLEASE LIST)					
SHA ACCESS PERMIT		X			

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION

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

C. I. P. PROJECT 502310

70% DESIGN PLANS

LIMIT OF WORK
C.I.P. PROJECT 502310
MORINGWOOD DRIVE
STA. 203+37

LIMIT OF WORK
C.I.P. PROJECT 502310
NORTH HIGH STREET
STA. 100+00

DEVELOPER'S/BUILDER'S CERTIFICATION

I HEREBY CERTIFY THAT ALL CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE 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

DESIGN CERTIFICATION

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

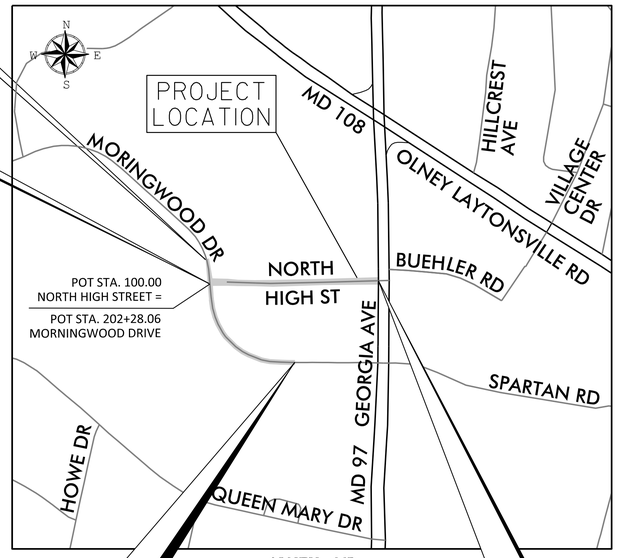
JASON D. COSLER, P.E.
MD REGISTRATION NO. 28467

CERTIFICATION OF QUANTITIES

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

GENERAL NOTES

1. THE SPECIFICATIONS FOR THIS CONTRACT WILL BE THOSE OF THE LATEST EDITION OF THE MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION. THE MARYLAND DEPARTMEMNT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES, THE MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION 2023 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, THE MARYLAND WASHINGTON SUBURBAN SANITARY COMMISSION (W.S.S.C.) STANDARDS, MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION STANDARDS, AND SOIL CONSERVATION SERVICE POND CONSTRUCTION SPECIFICATIONS FOR MARYLAND.
2. HORIZONTAL DATUM: NAD 83(1991) VERTICAL DATUM: NAVD 88.
3. TYPES OF STORM DRAIN STRUCTURES REFER TO THE "DESIGN STANDARDS" OF MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION, UNLESS OTHERWISE NOTED.
4. WHEN THE DROP ON THE MAIN LINE THROUGH A STORM DRAIN STRUCTURE CAN BE ACCOMMODATED BY AN INVERT SLOPE OF 1.5:1 OR FLATTER, A ROUNDED CHANNEL LINED WITH SEWER BRICK ON EDGE SHALL BE BUILT TO THE CROWN OF THE PIPES. WHEN THE INVERT SLOPES WOULD BE GREATER THAN 1.5:1 A SPECIAL INVERT SHALL BE CONSTRUCTED AS NOTED.
5. ALL STORM DRAIN PIPE SHALL BE INSTALLED WITH CLASS "C" BEDDING UNLESS OTHERWISE SPECIFIED.
6. THE CONTRACTOR SHALL MAKE FIELD ADJUSTMENTS TO STORM DRAIN STRUCTURES, WHEN NECESSARY, TO MEET EXISTING CONDITIONS, AS APPROVED BY MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION'S PROJECT INSPECTOR.
7. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATIONS AND ELEVATIONS OF THE LINES BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS, WELL IN ADVANCE OF TRENCHING. IF CLEARANCES ARE LESS THAN SHOWN OR SIX (6) INCHES, WHICHEVER IS LESS, CONTACT MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION'S PROJECT INSPECTOR AND THE APPROPRIATE UTILITY OWNER BEFORE PROCEEDING WITH CONSTRUCTION.
8. REPAIRS TO UTILITIES OR PROPERTY DAMAGE AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE OR METHOD OF OPERATION MUST BE MADE AT THE CONTRACTOR'S EXPENSE AT NO ADDITIONAL COST TO THE COUNTY BEFORE PROCEEDING WITH CONSTRUCTION.
9. CLEARING IS TO BE LIMITED TO THE "LIMIT OF GRADING" AS SHOWN ON THE PLANS.
10. ALL GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
11. DISTURBED AREAS ADJACENT TO ESTABLISHED LAWNS SHALL BE SODDED. OTHER DISTURBED AREAS SHALL BE SEEDED AND MULCHED.
12. THE CONTRACTOR SHALL OBTAIN A ROADSIDE TREE PERMIT FOR ANY MAINTENANCE, TREATMENT, PLANTING, REMOVAL, OR ROOT CUTTING ON TREES WITHIN THE PUBLIC RIGHT OF WAY. PERMIT REQUIREMENTS MAY BE OBTAINED FROM THE DEPARTMENT OF NATURAL RESOURCES, MARYLAND FOREST, PARK AND WILDLIFE SERVICE, TELEPHONE 301-854-6060.
13. CONTACT THE WASHINGTON SUBURBAN SANITARY COMMISSION SYSTEM MAINTENANCE ENGINEER BEFORE EXCAVATING BENEATH OR IN THE VICINITY OF EXISTING WATER OR SEWER LINES. BACKFILL TO BE DONE UNDER SUPERVISION OF WSSC MAINTENANCE ENGINEER, CALL 301-206-7362.
14. ALL UTILITY POLES NOTED FOR RELOCATION SHALL BE PERFORMED BY OTHERS.
15. PRIOR TO VEGETATIVE STABILIZATION, ALL DISTURBED AREAS MUST BE TOPSOILED PER THE MONTGOMERY COUNTY "STANDARDS AND SPECIFICATIONS FOR TOPSOIL".
16. CALL "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

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 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.
281562 S.W. FILE NO.		MCDPS APPROVAL OF THIS PLAN WILL EXPIRE TWO YEARS FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED.

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.

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

RECOMMENDED FOR APPROVAL
Chief, Transportation Planning and Design Section — Date

APPROVED
Chief, Division of Transportation Engineering — Date

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

TITLE SHEET

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

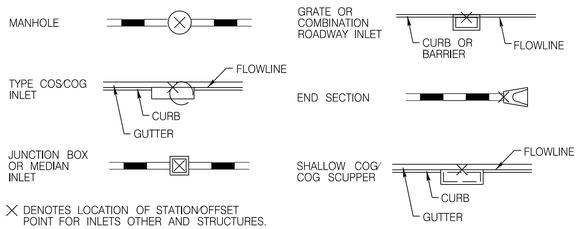
SCALE : NTS DECEMBER 2024

Project No. : 502310 SHEET 1 of 40

$$$$$DONSPEC$$$$$$$$$$$$$$$$
$$DATE,ABB$

INDEX OF SHEETS

DRAINAGE STRUCTURE STAKEOUT LOCATION

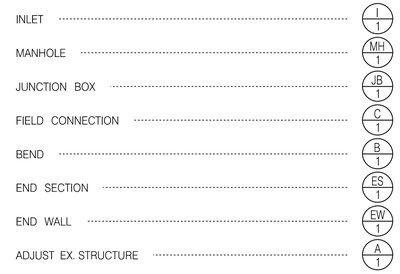


X DENOTES LOCATION OF STATION/OFFSET POINT FOR INLETS OTHER AND STRUCTURES.

T.C DENOTES TOP OF COVER

T.G DENOTES TOP OF GRATE

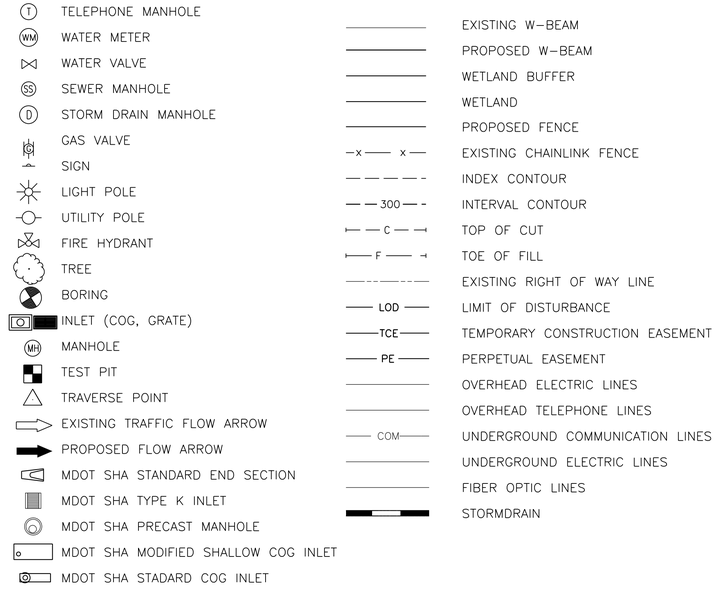
DRAINAGE BUBBLES
(SAMPLES)



ABBREVIATIONS

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

LEGEND



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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

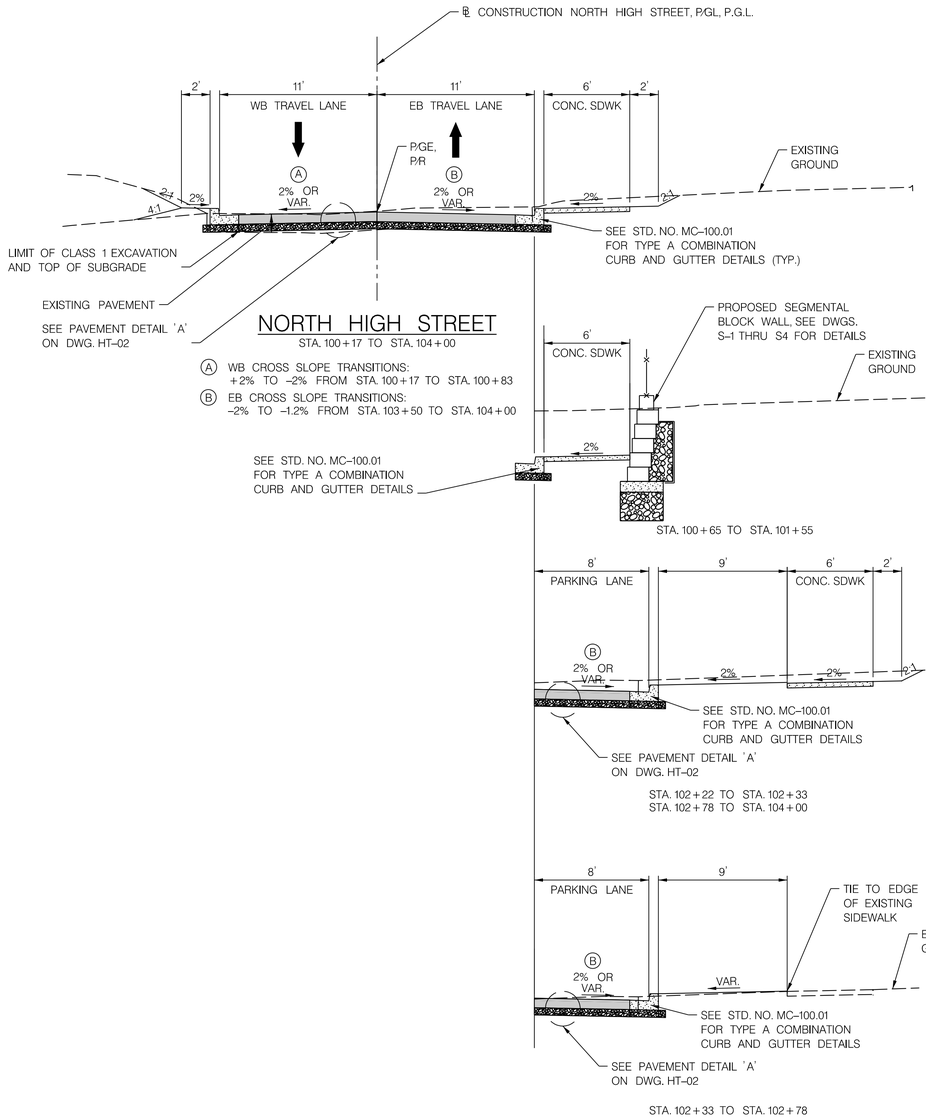
INDEX OF SHEETS,
LEGENDS, AND ABBREVIATIONS

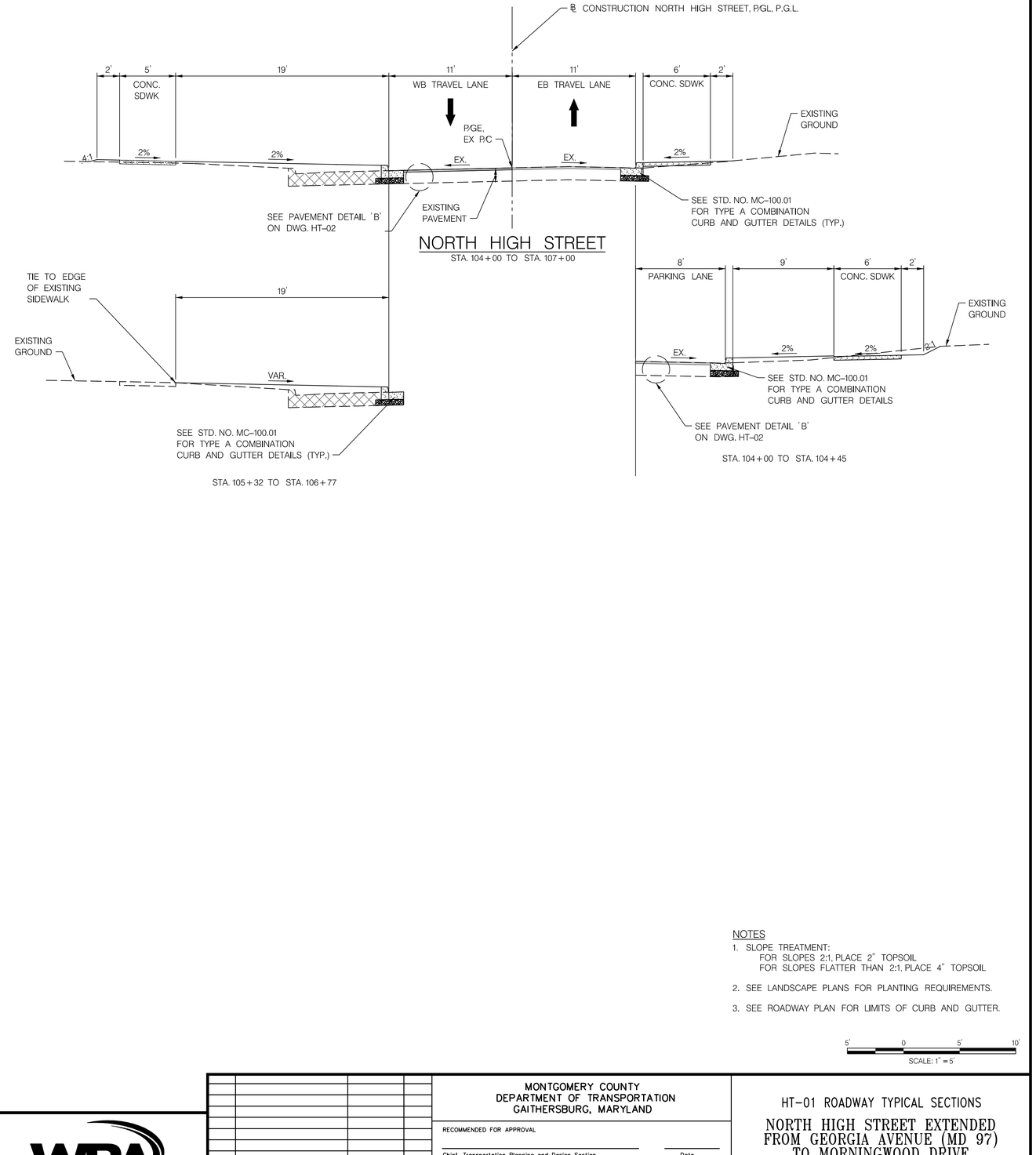
NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE

SCALE : NTS DECEMBER 2024

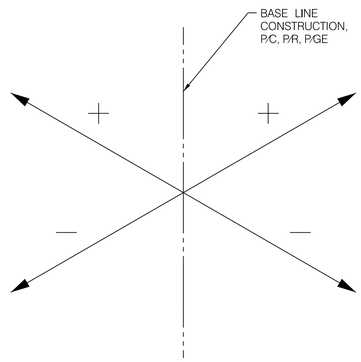
Project No. : 502310 SHEET 2 of 40

$$$$DONSPEC:$$$$$$$$$$$$$$$
$DATE;ABB$





CROSS SLOPE DIRECTION DETAIL:



NOTES

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.

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

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

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

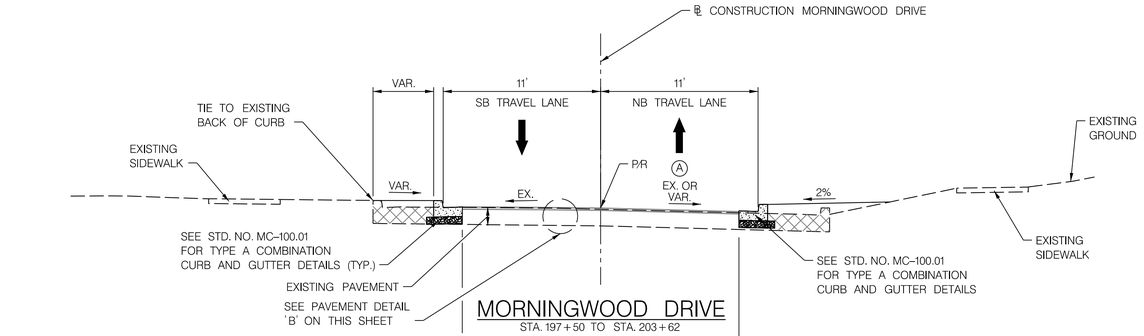
Designed by: NSP Drawn by: NRH Checked by: PHD

HT-01 ROADWAY TYPICAL SECTIONS
NORTH HIGH STREET EXTENDED FROM GEORGIA AVENUE (MD 97) TO MORNINGWOOD DRIVE

SCALE : 1" = 5' DECEMBER 2024

Project No. : 502310 SHEET 3 of 40

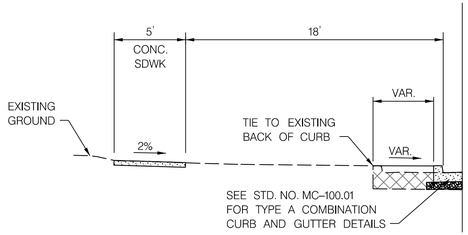
$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$



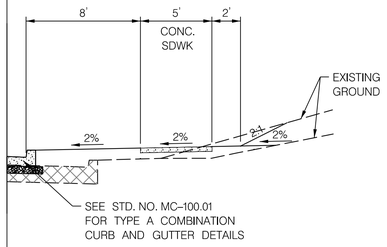
MORNINGWOOD DRIVE

STA. 197+50 TO STA. 203+62

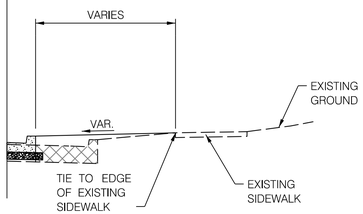
(A) NB CROSS SLOPE TRANSITION:
EX. FROM STA. 197+50 TO STA. 201+21
-2% TO 2% FROM STA. 201+21 TO STA. 201+87
EX. FROM STA. 201+87 TO STA. 203+62



STA. 201+77 TO STA. 202+88

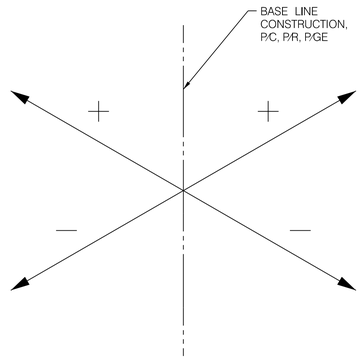


STA. 201+67 TO STA. 202+81



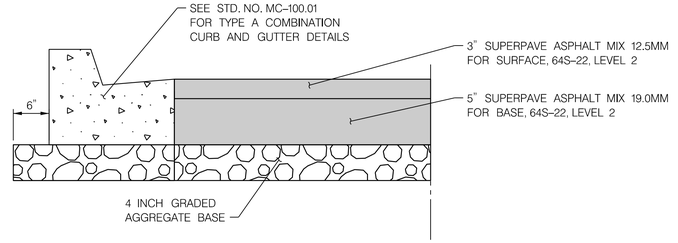
STA. 202+81 TO STA. 203+62

CROSS SLOPE DIRECTION DETAIL:



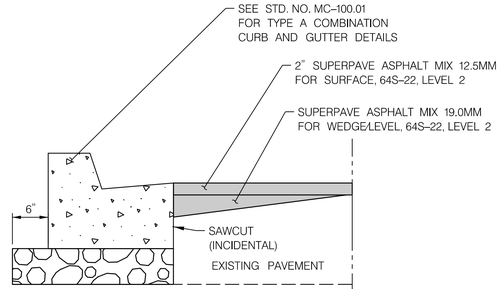
1. SLOPE TREATMENT:
   FOR SLOPES 2:1, PLACE 2" TOPSOIL
   FOR SLOPES FLATTER THAN 2:1, PLACE 4" TOPSOIL
2. SEE LANDSCAPE PLANS FOR PLANTING REQUIREMENTS.
3. SEE ROADWAY PLAN FOR LIMITS OF CURB AND GUTTER.

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



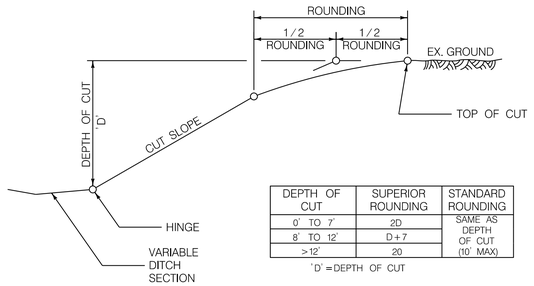
PAVEMENT DETAIL "A"

FULL DEPTH
NOT TO SCALE



PAVEMENT DETAIL "B"

FINE MILLING AND RESURFACING
NOT TO SCALE



DEPTH OF CUT	SUPERIOR ROUNDING	STANDARD ROUNDING
0' TO 7'	2D	SAME AS DEPTH OF CUT (10' MAX)
8' TO 12'	D+7	
>12'	20	

'D' = DEPTH OF CUT

DETAIL
CUT SLOPE ROUNDING

NOT TO SCALE

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

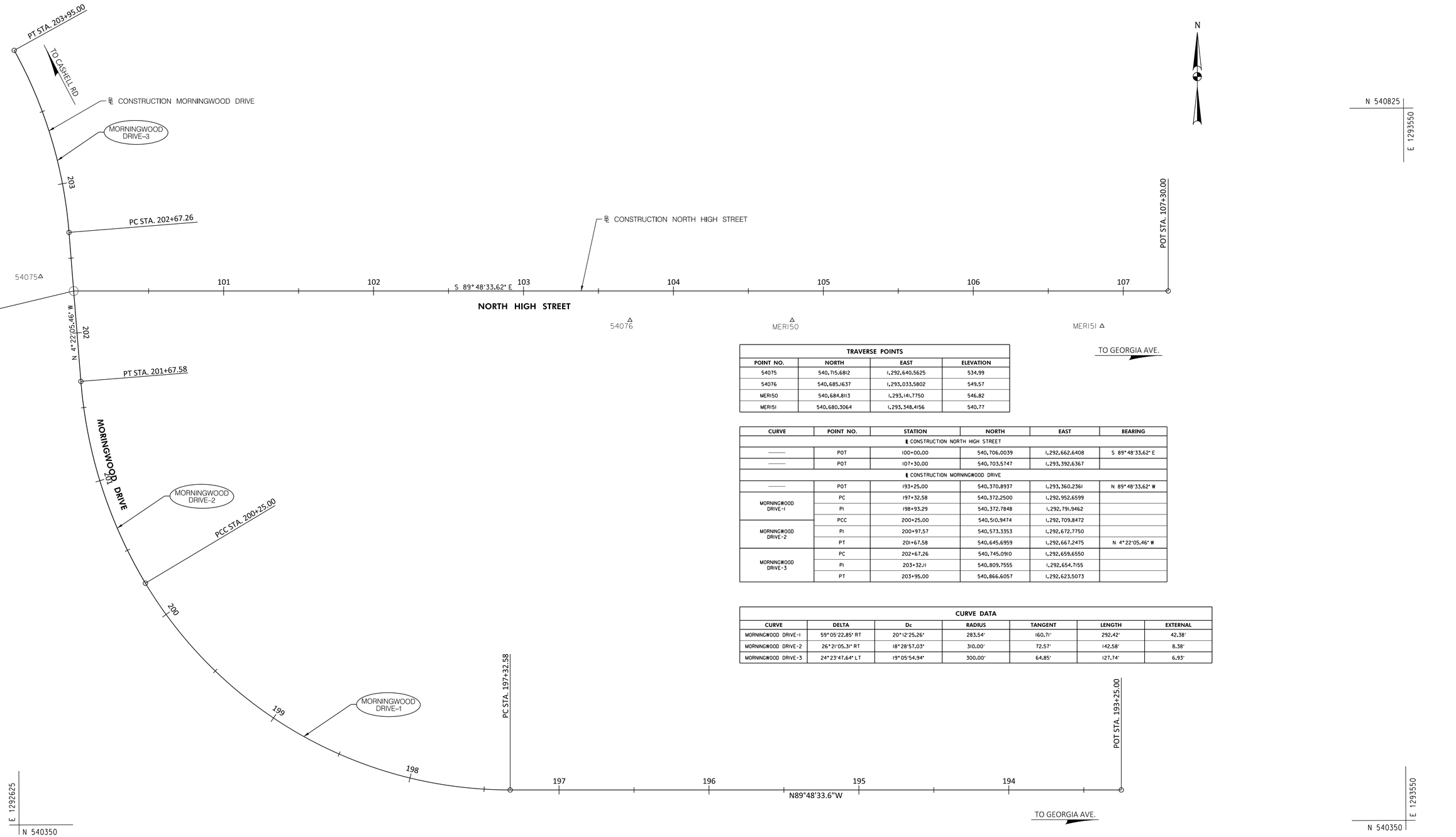
HT-02 ROADWAY TYPICAL SECTIONS

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

SCALE : 1" = 5' DECEMBER 2024

Project No. : 502310 SHEET 4 of 40

$$$$DONSPEC$$$$$$$$$$$$$$$$
$DATEABB$



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
MERI50	540,684.8113	1,293,141.7750	546.82
MERI5I	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
MORNINGWOOD DRIVE-3	PC	202+67.26	540,745.0910	1,292,659.6550	
	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'

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

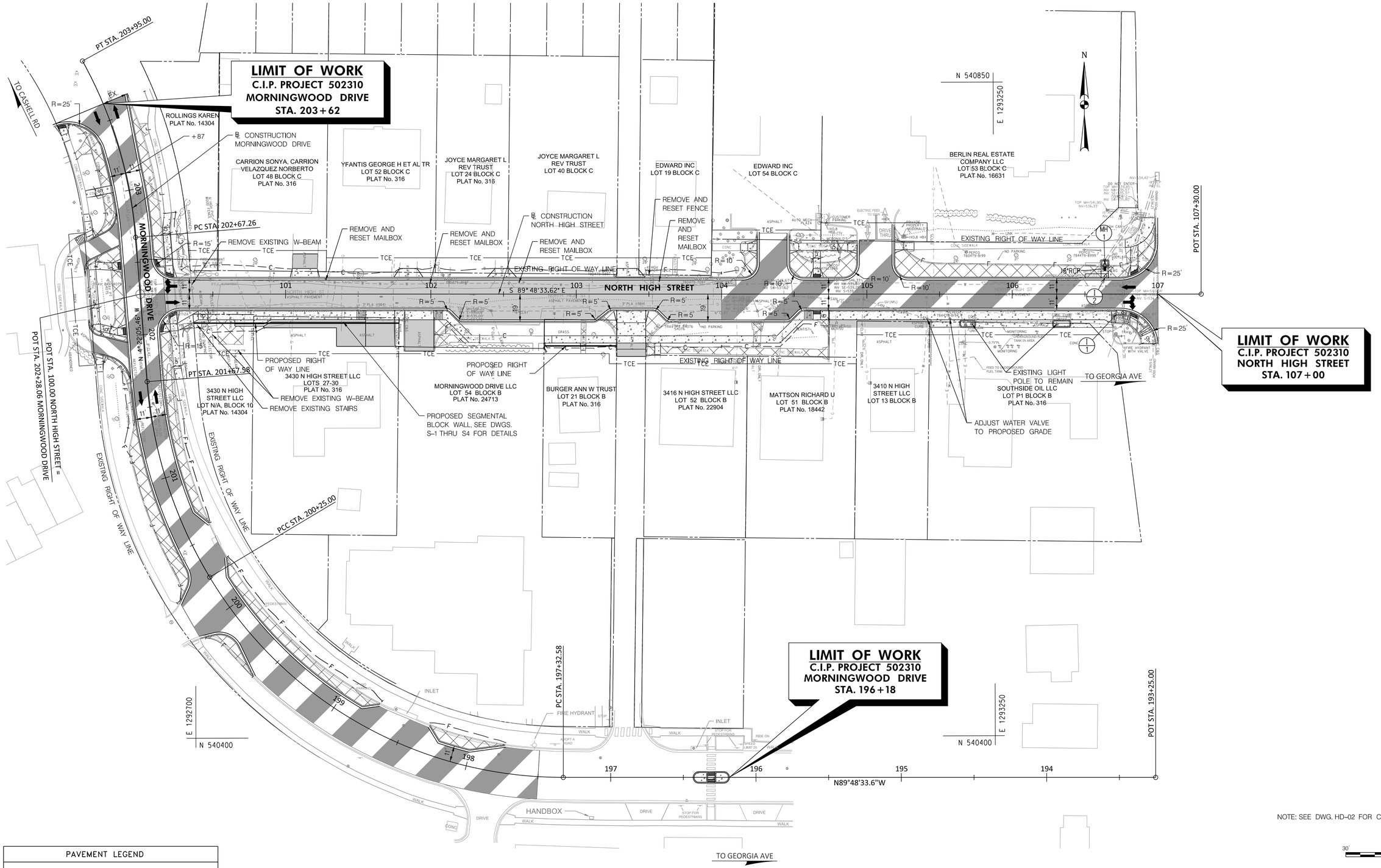
GS-01 GEOMETRY LAYOUT

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

SCALE : 1" = 30' DECEMBER 2024

Project No. : 502310 SHEET 5 of 40

$$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$



NOTE: SEE DWG. HD-02 FOR CONSTRUCTION SCHEDULES

PAVEMENT LEGEND

- FULL DEPTH ASPHALT PAVEMENT
- MILL AND OVERLAY
- CONCRETE
- PAVEMENT REMOVAL
- DETECTABLE WARNING SURFACE

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

HD-01 ROADWAY PLAN

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

SCALE : 1" = 30' DECEMBER 2024

Project No. : 502310 SHEET 6 of 40

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATE:ABB$

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	MORINGWOOD 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

REMOVE AND RESET MAILBOX

STATION	EA	REMARKS
101+28	1	NORTH HIGH STREET LEFT
101+99	1	NORTH HIGH STREET LEFT
102+61	1	NORTH HIGH STREET LEFT
103+57	1	NORTH HIGH STREET LEFT

STORM DRAIN STRUCTURE SCHEDULE

STRUCTURE NO.	STATION	OFFSET	TYPE	T.S.	BASELINE	REMARKS
*I-1	106+75	11.0' RT.	TYPE "A" INLET, 5' OPENING	T.C. 540.54	NORTH HIGH ST.	PER MC 501.01
I-2	106+75	11.0' LT.	TYPE "B" INLET, 15' OPENING	T.C. 540.76	NORTH HIGH ST.	PER MC 501.02
**MH-1	106+64	20.9' LT.	TYPE "B" MANHOLE	T.R. 540.90	NORTH HIGH ST.	PER MC 515.01

* EXISTING 18" RCP INV. AT I-1=537.38. INVERT ELEVATION IS APPROXIMATE. CONTRACTOR SHALL VERIFY.

** REMOVAL OF EXISTING INLET AT LOCATION OF MH-1 SHALL BE INCIDENTAL TO THE COST OF MH-1. EXISTING 18" RCP INV AT MH-1=537.03. INVERT ELEVATION IS APPROXIMATE. CONTRACTOR SHALL VERIFY. MH-1 SHALL BE CAST IN PLACE IF NECESSARY TO FACILTATE CONNECTION OF EXISTING 18" RCP.

STORM DRAIN PIPE SCHEDULE

FROM	TO	SIZE	TYPE	CLASS	LENGTH	INV. IN	INV. OUT
I-2	MH-1	18"	RCP	IV	4'	537.28	537.20

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATE.ABB$

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

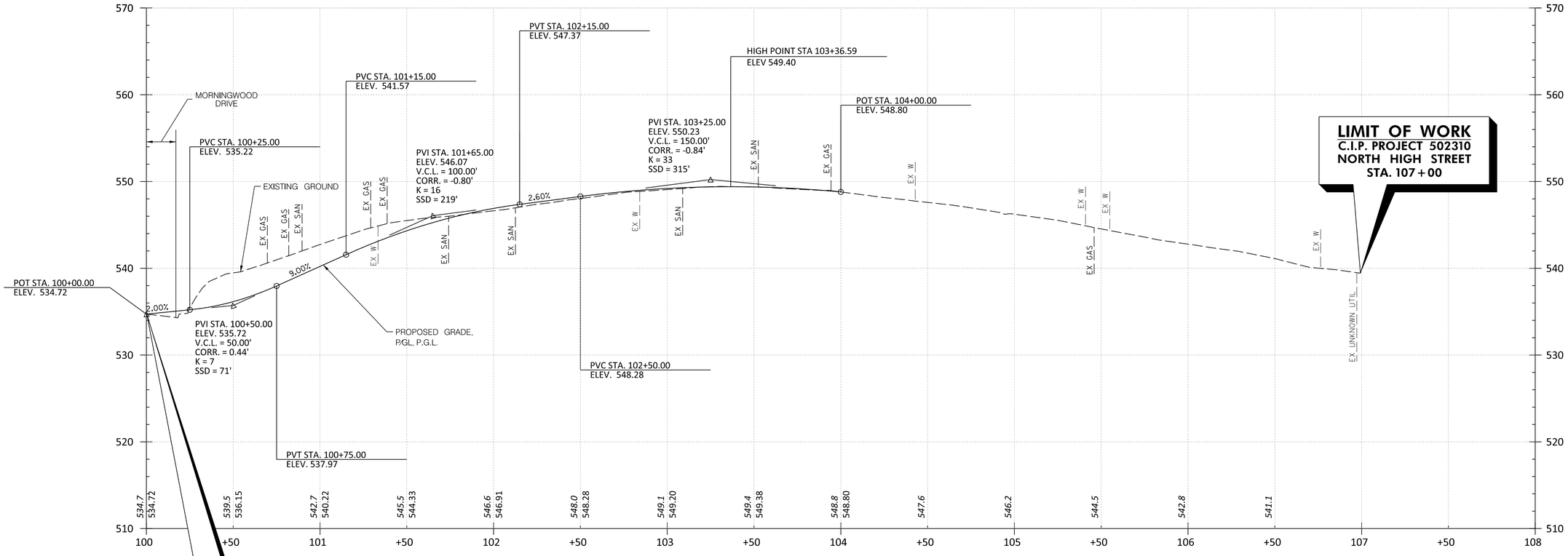
Designed by: NSP Drawn by: NRH Checked by: PHD

HD-02 ROADWAY PLAN

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

SCALE : 1" = 30' DECEMBER 2024

Project No. : 502310 SHEET 7 of 40



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

LIMIT OF WORK
C.I.P. PROJECT 502310
NORTH HIGH STREET
STA. 100 + 00

NORTH HIGH STREET

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

VERTICAL SCALE: 1" = 6'
12' 6' 0 6'

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

$$$$DONSPEC$$$$$$$$$$$$$$$$
$DATEABB$

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

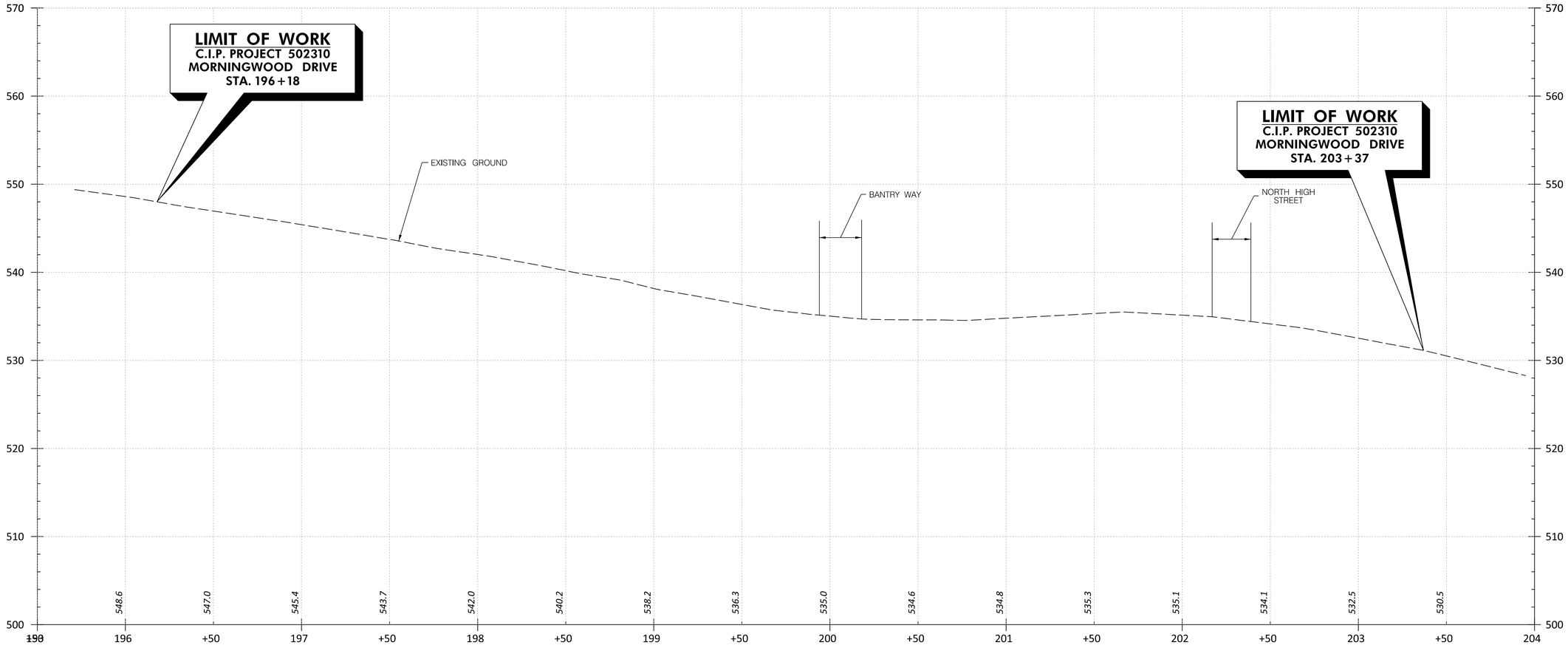
Designed by: NSP Drawn by: NRH Checked by: PHD

HP-01 ROADWAY PROFILE

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

SCALE : AS SHOWN DECEMBER 2024

Project No. : 502310 SHEET 8 of 40



MORNINGWOOD DRIVE

SCALE:

H: 1" = 30'

V: 1" = 6'

VERTICAL SCALE: 1"=6'

HORIZONTAL SCALE: 1"=30'

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

HP-02 ROADWAY PROFILE

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

SCALE : AS SHOWN

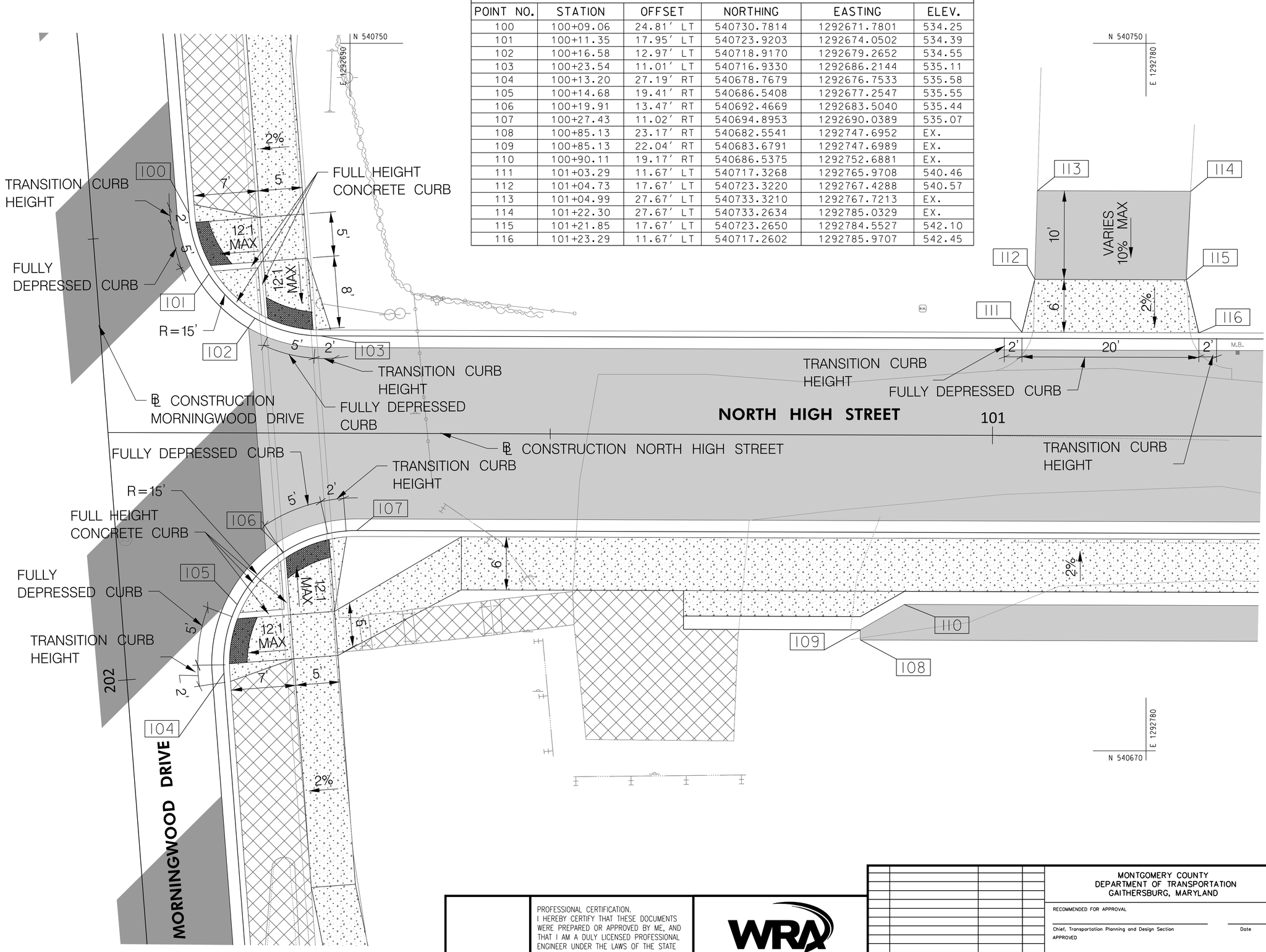
DECEMBER 2024

Project No. : 502310

SHEET 9 of 40

CURB LAYOUT SCHEDULE

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
100	100+09.06	24.81′ LT	540730.7814	1292671.7801	534.25
101	100+11.35	17.95′ LT	540723.9203	1292674.0502	534.39
102	100+16.58	12.97′ LT	540718.9170	1292679.2652	534.55
103	100+23.54	11.01′ LT	540716.9330	1292686.2144	535.11
104	100+13.20	27.19′ RT	540678.7679	1292676.7533	535.58
105	100+14.68	19.41′ RT	540686.5408	1292677.2547	535.55
106	100+19.91	13.47′ RT	540692.4669	1292683.5040	535.44
107	100+27.43	11.02′ RT	540694.8953	1292690.0389	535.07
108	100+85.13	23.17′ RT	540682.5541	1292747.6952	EX.
109	100+85.13	22.04′ RT	540683.6791	1292747.6989	EX.
110	100+90.11	19.17′ RT	540686.5375	1292752.6881	EX.
111	101+03.29	11.67′ LT	540717.3268	1292765.9708	540.46
112	101+04.73	17.67′ LT	540723.3220	1292767.4288	540.57
113	101+04.99	27.67′ LT	540733.3210	1292767.7213	EX.
114	101+22.30	27.67′ LT	540733.2634	1292785.0329	EX.
115	101+21.85	17.67′ LT	540723.2650	1292784.5527	542.10
116	101+23.29	11.67′ LT	540717.2602	1292785.9707	542.45



5′ 0 5′ 10′
SCALE: 1"=5′

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

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

Designed by: NSP Drawn by: NRH Checked by: PHD

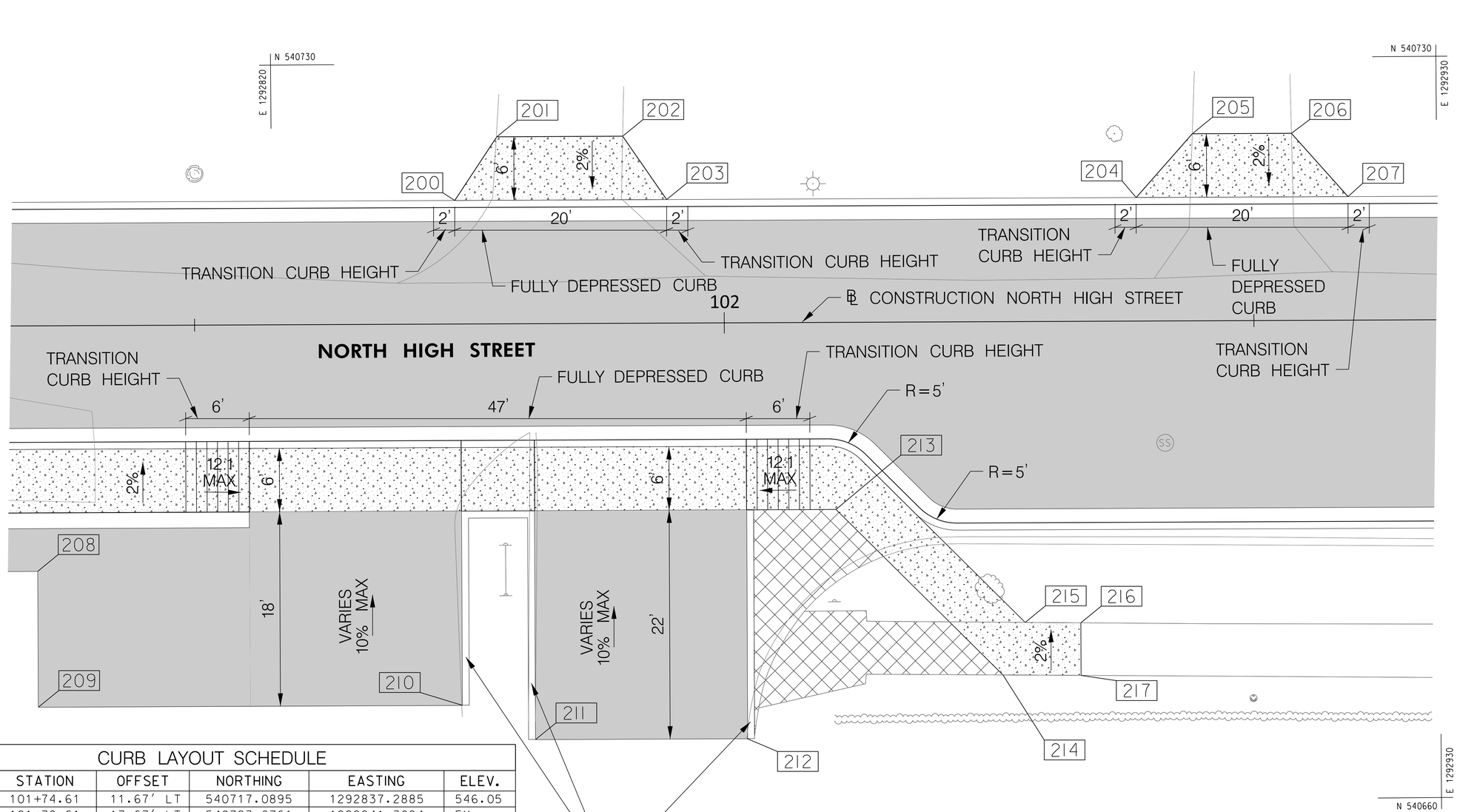
CL-01 CURB LAYOUT

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

SCALE : 1" = 10′ DECEMBER 2024

Project No. : 502310 SHEET 10 of 40

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$



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.

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

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

CL-02 CURB LAYOUT

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

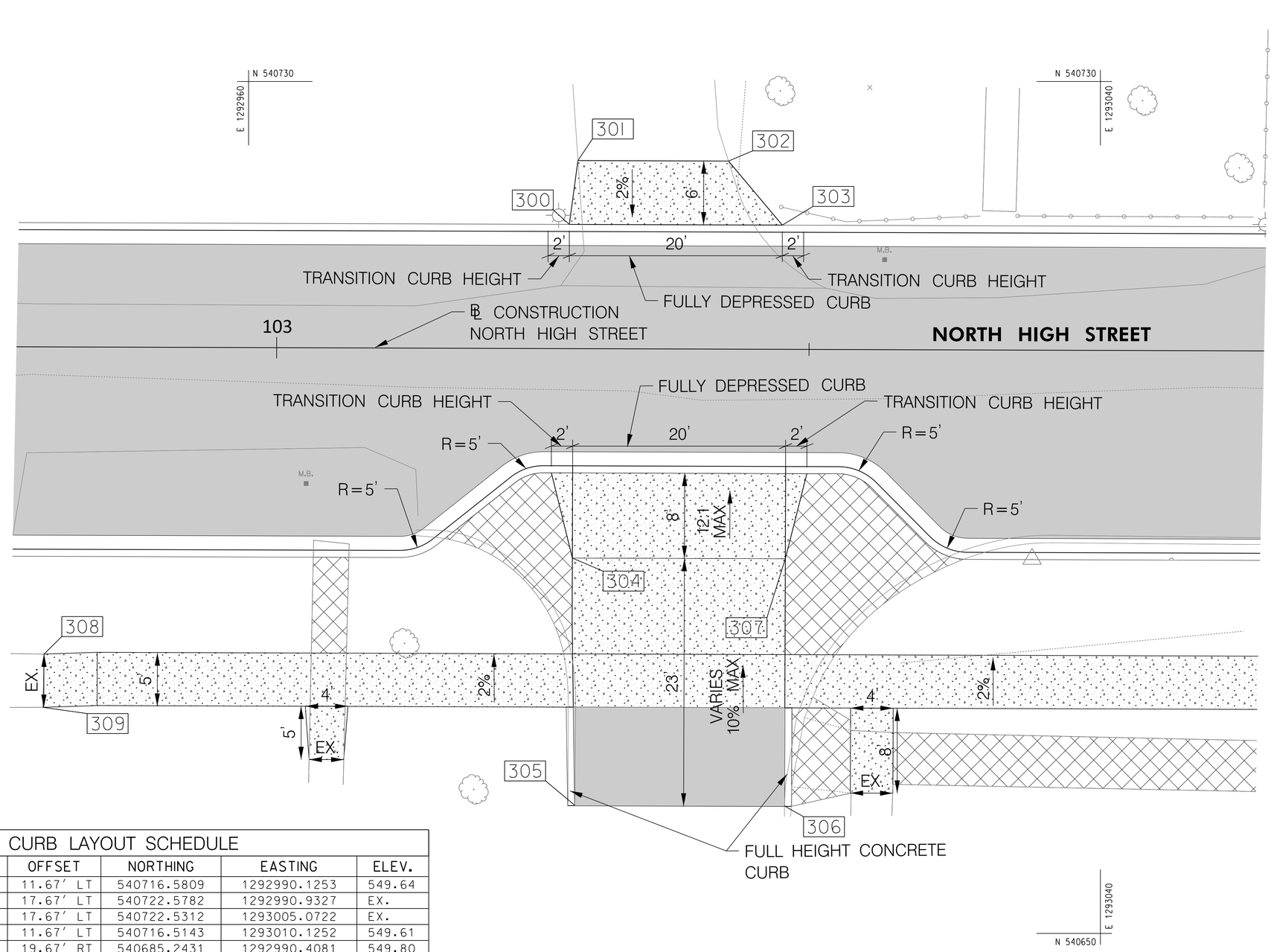
SCALE : 1" = 10'

DECEMBER 2024

Project No. : 502310

SHEET 11 of 40

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATE.ABE$



CURB LAYOUT SCHEDULE					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
300	103+27.45	11.67' LT	540716.5809	1292990.1253	549.64
301	103+28.24	17.67' LT	540722.5782	1292990.9327	EX.
302	103+42.37	17.67' LT	540722.5312	1293005.0722	EX.
303	103+47.45	11.67' LT	540716.5143	1293010.1252	549.61
304	103+27.83	19.67' RT	540685.2431	1292990.4081	549.80
305	103+28.13	42.87' RT	540662.0387	1292990.6274	EX.
306	103+47.83	42.87' RT	540661.9724	1293010.3252	EX.
307	103+47.83	19.67' RT	540685.1790	1293010.4080	549.80
308	102+78.16	28.85' RT	540676.2283	1292940.7927	EX.
309	102+78.25	33.85' RT	540671.2294	1292940.6846	EX.

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

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

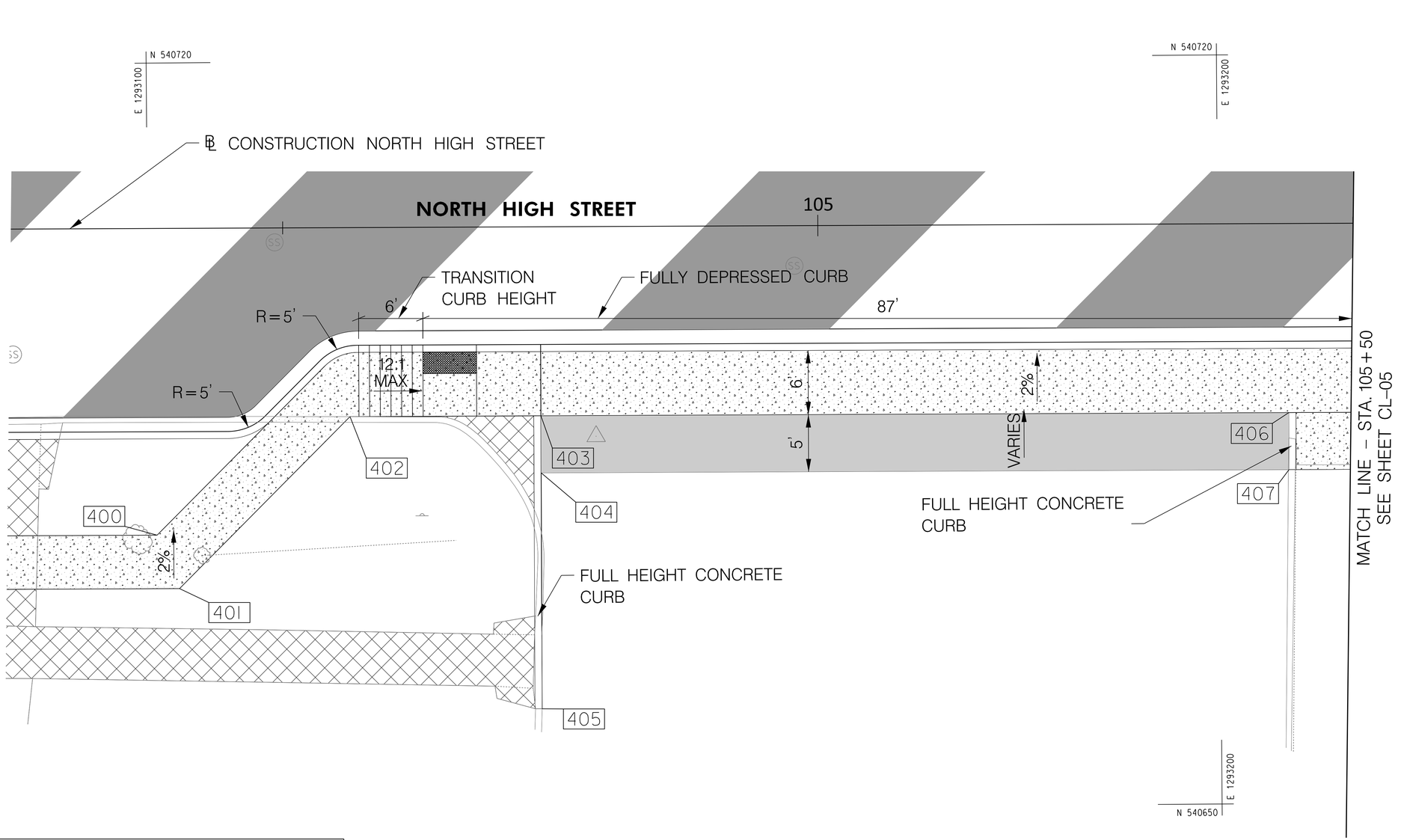
CL-03 CURB LAYOUT

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

SCALE : 1" = 10' DECEMBER 2024

Project No. : 502310 SHEET 12 of 40

$$$$DONSPEC$$$$$$$$$$$$$$$
$DATEABB$



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.

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

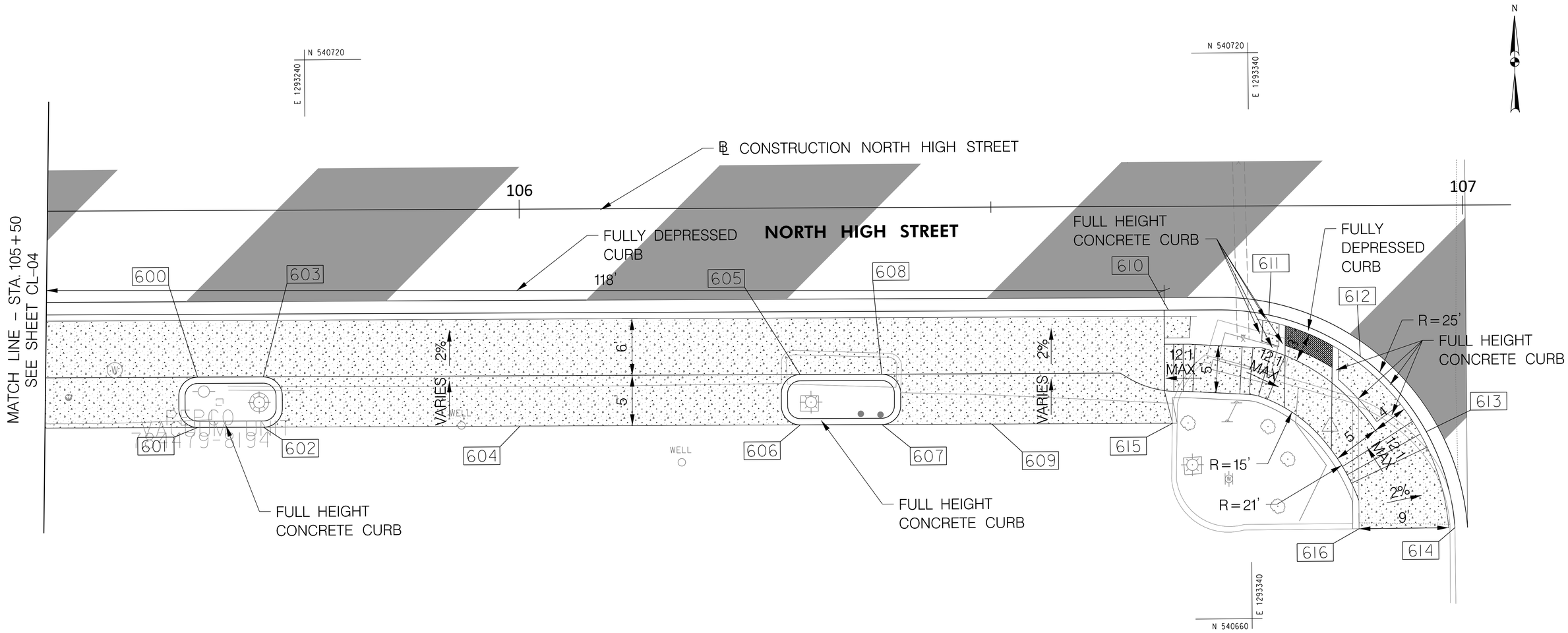
CL-04 CURB LAYOUT

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

SCALE : 1" = 5' DECEMBER 2024

Project No. : 502310 SHEET 13 of 40

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$



CURB LAYOUT SCHEDULE					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
600	105+65.84	17.67' RT	540686.4544	1293228.4229	544.16
601	105+65.84	23.00' RT	540681.1211	1293228.4052	EX.
602	105+72.82	23.00' RT	540681.0979	1293235.3804	EX.
603	105+72.82	17.67' RT	540686.4312	1293235.3982	543.91
604	106+00.00	23.00' RT	540681.0074	1293262.5609	EX.
605	106+29.71	17.67' RT	540686.2419	1293292.2888	542.28
606	106+29.71	23.00' RT	540680.9086	1293292.2711	EX.
607	106+38.35	23.00' RT	540680.8798	1293300.9139	EX.
608	106+38.35	17.67' RT	540686.2131	1293300.9316	541.96
609	106+50.00	23.00' RT	540680.8411	1293312.5606	EX.
610	106+68.77	11.00' RT	540692.7785	1293331.3690	EX.
611	106+79.43	11.57' RT	540692.1707	1293342.0262	EX.
612	106+89.09	15.98' RT	540687.7274	1293351.6706	EX.
613	106+96.04	24.01' RT	540679.6819	1293358.6007	EX.
614	106+99.04	34.19' RT	540669.4858	1293361.5664	EX.
615	106+69.17	23.00' RT	540680.7773	1293331.7291	EX.
616	106+88.88	34.27' RT	540669.4406	1293351.4006	EX.

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

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

CL-05 CURB LAYOUT

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

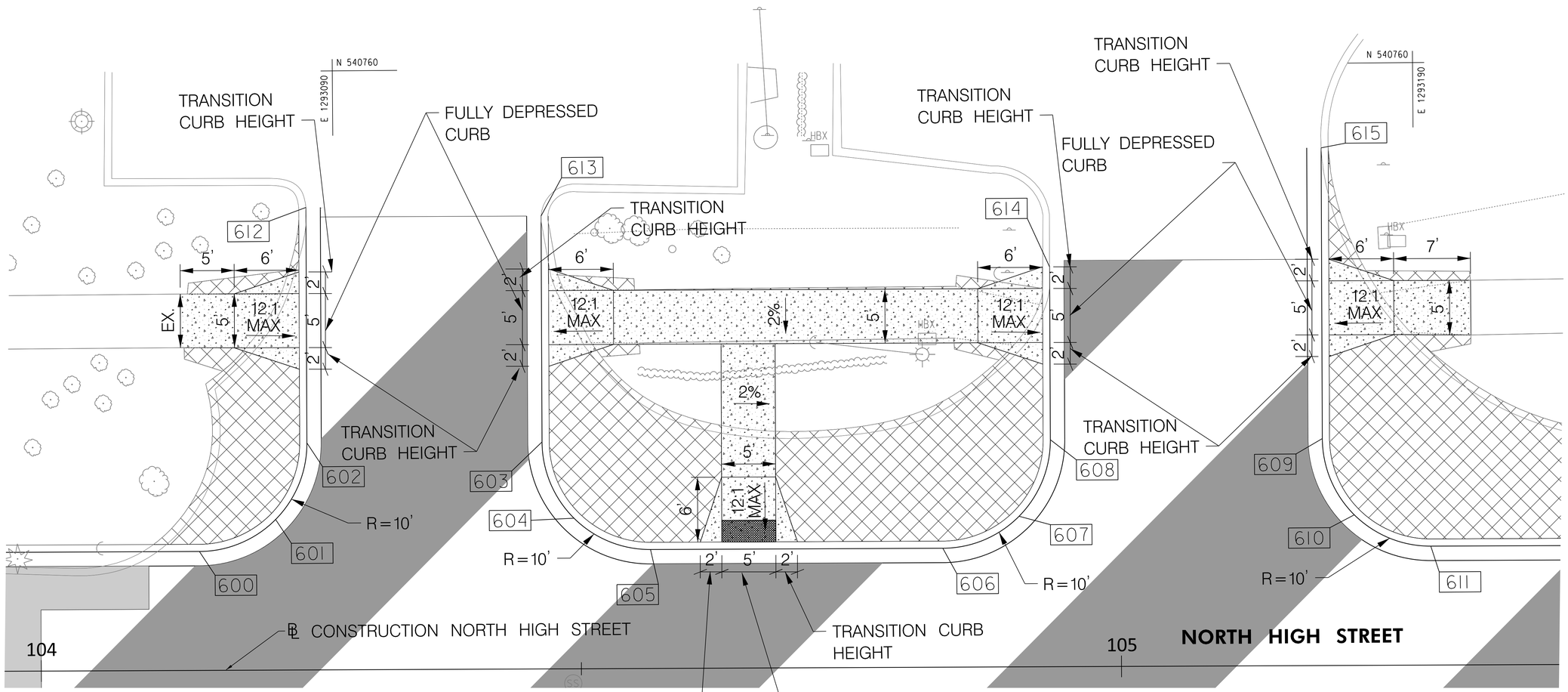
SCALE : 1" = 10'

DECEMBER 2024

Project No. : 502310

SHEET 14 of 40

$$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$



CURB LAYOUT SCHEDULE					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
600	104+14.68	11.00' LT	540715.6239	1293077.3548	EX.
601	104+21.75	13.93' LT	540718.5293	1293084.4355	EX.
602	104+24.68	21.00' LT	540725.5906	1293087.3880	EX.
603	104+46.44	21.00' LT	540725.5182	1293109.1523	EX.
604	104+49.37	13.93' LT	540718.4374	1293112.0577	EX.
605	104+56.44	11.00' LT	540715.4850	1293119.1190	EX.
606	104+83.50	11.00' LT	540715.3949	1293146.1770	EX.
607	104+90.57	13.93' LT	540718.3003	1293153.2578	EX.
608	104+93.50	21.00' LT	540725.3616	1293156.2102	EX.
609	105+18.68	21.00' LT	540725.2778	1293181.3882	EX.
610	105+21.61	13.93' LT	540718.1970	1293184.2936	EX.
611	105+28.68	11.00' LT	540715.2446	1293191.3548	EX.
612	104+24.68	42.79' LT	540747.3800	1293087.4605	EX.
613	104+46.44	41.90' LT	540746.4213	1293109.2219	EX.
614	104+93.50	37.00' LT	540741.3615	1293156.2634	EX.
615	105+18.68	47.90' LT	540752.1786	1293181.4777	EX.

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

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

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

Designed by: NSP Drawn by: NRH Checked by: PHD

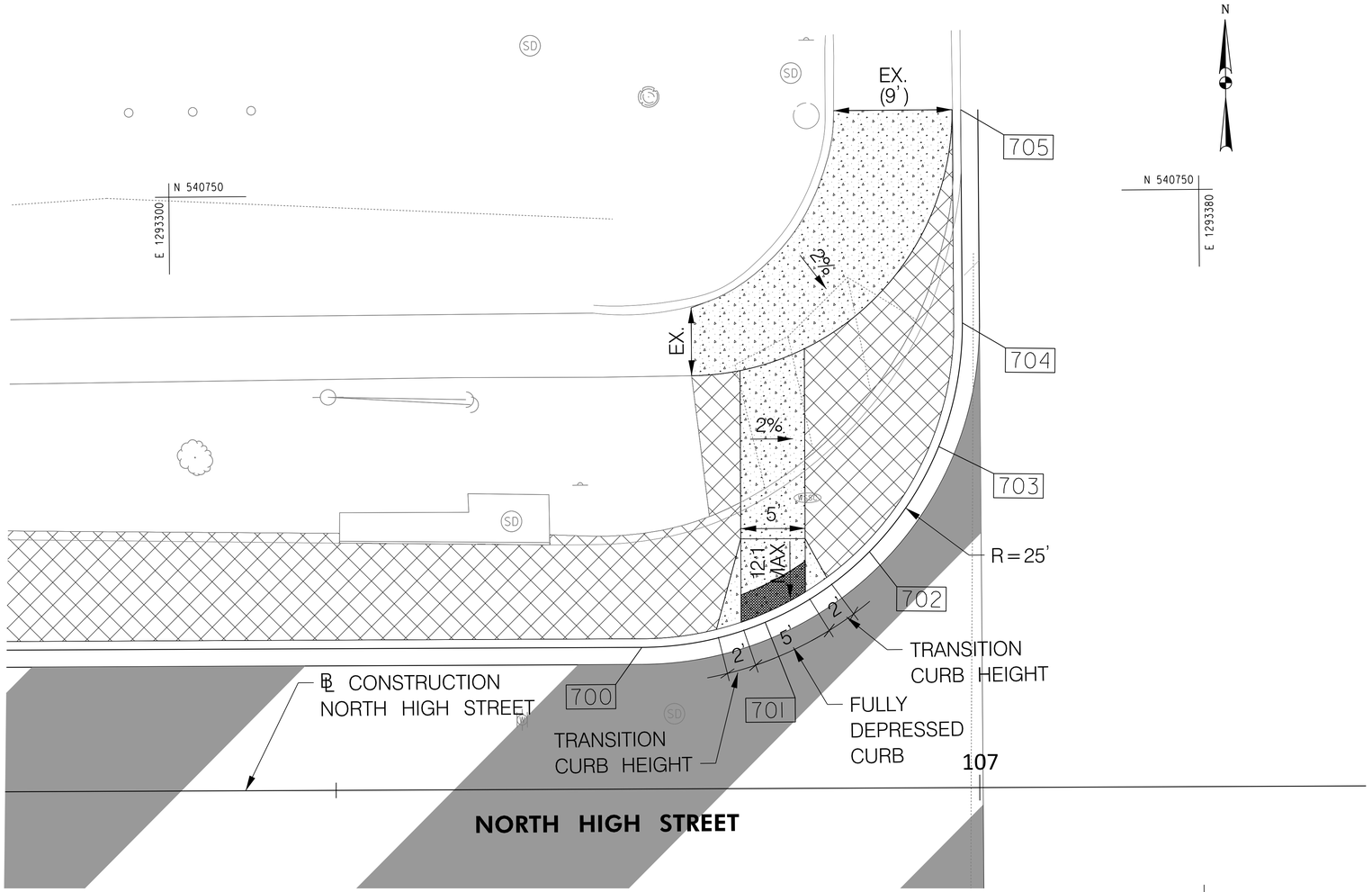
CL-06 CURB LAYOUT

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

SCALE : 1" = 10' DECEMBER 2024

Project No. : 502310 SHEET 15 of 40

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$



CURB LAYOUT SCHEDULE					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
700	106+73.80	11.00' LT	540714.7617	1293336.4697	EX.
701	106+83.38	12.91' LT	540716.6416	1293346.0644	EX.
702	106+91.51	18.35' LT	540722.0576	1293354.2043	EX.
703	106+96.92	26.50' LT	540730.1815	1293359.6445	EX.
704	106+98.80	36.09' LT	540739.7705	1293361.5529	EX.
705	106+98.73	52.65' LT	540756.3331	1293361.5469	EX.

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

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

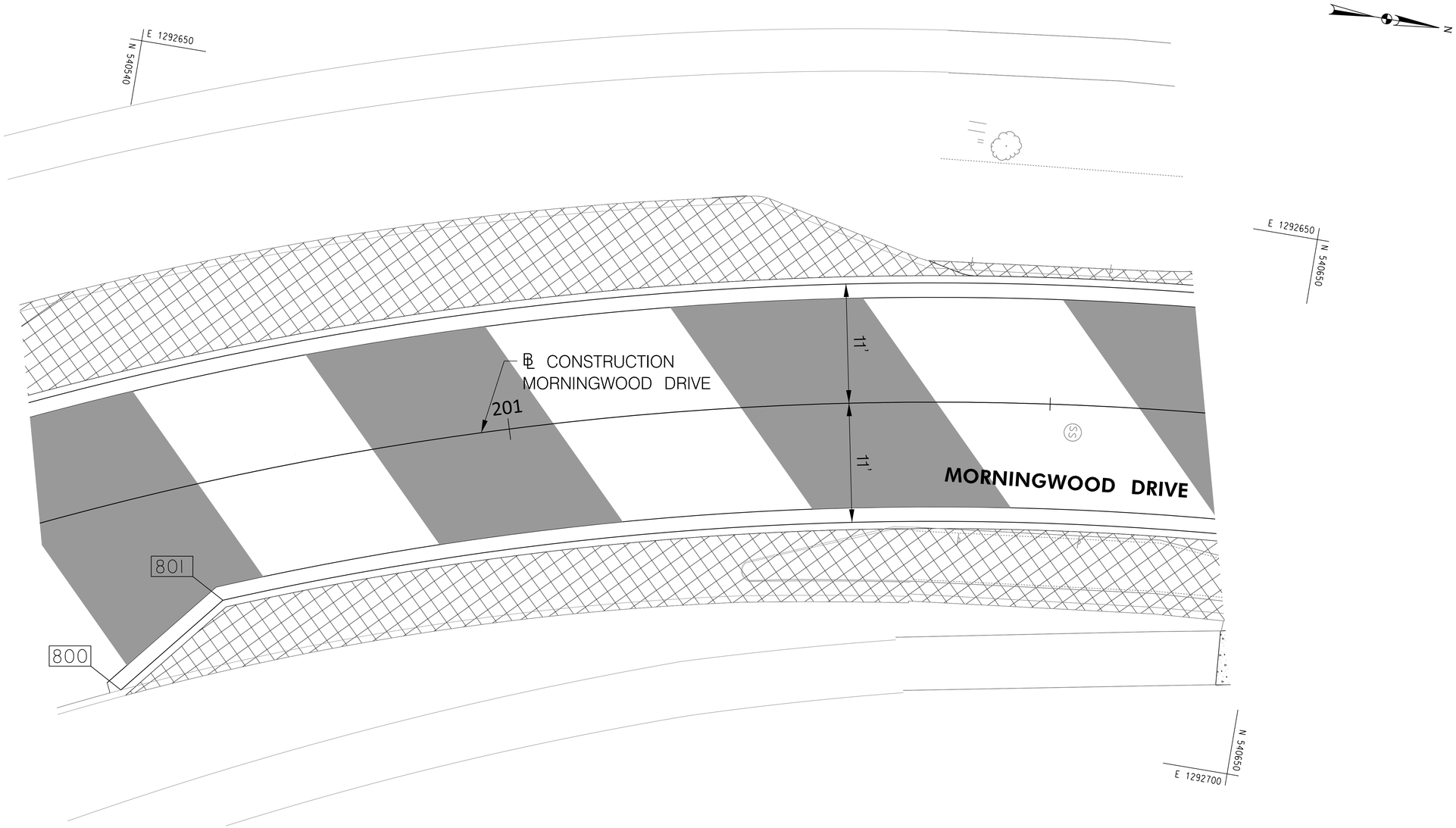
CL-07 CURB LAYOUT

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

SCALE : 1" = 10' DECEMBER 2024

Project No. : 502310 SHEET 16 of 40

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$



CURB LAYOUT SCHEDULE					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
800	200+59.08	16.80' RT	540548.0885	1292709.3831	EX.
801	200+70.71	11.00' RT	540555.9894	1292699.6521	EX.

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

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATE:ABD$

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

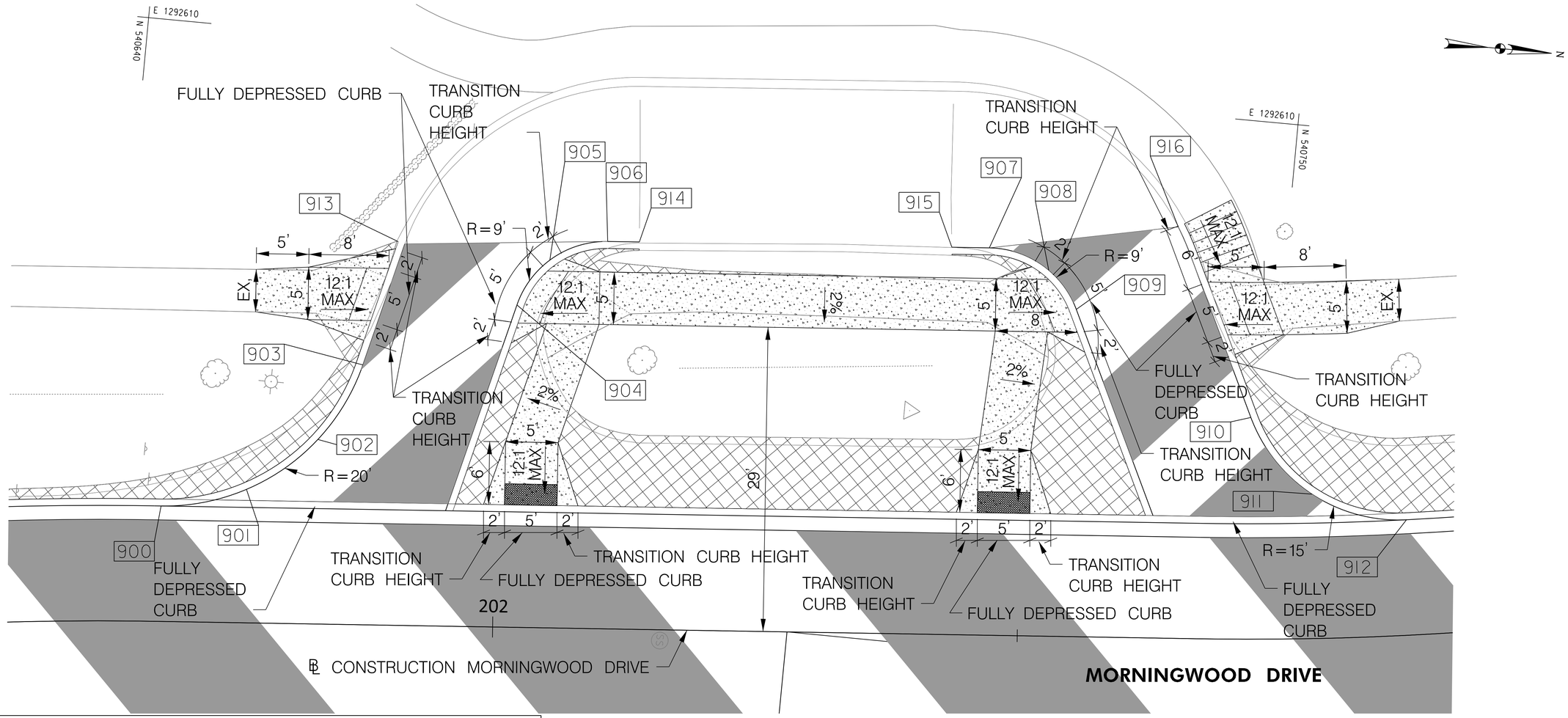
Designed by: NSP Drawn by: NRH Checked by: PHD

CL-08 CURB LAYOUT

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

SCALE : 1" = 10' DECEMBER 2024

Project No. : 502310 SHEET 17 of 40



CURB LAYOUT SCHEDULE

POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
900	201+43.22	11.00' LT	540645.4971	1292656.2307	EX.
901	201+51.33	12.72' LT	540653.4594	1292653.8962	EX.
902	201+58.05	17.59' LT	540659.7890	1292648.5312	EX.
903	201+62.22	24.76' LT	540663.3965	1292641.0590	EX.
904	201+76.80	30.72' LT	540677.4852	1292634.0070	EX.
905	201+79.87	35.05' LT	540680.2119	1292629.4575	EX.
906	201+85.36	36.92' LT	540685.5399	1292627.1797	EX.
907	202+21.72	36.92' LT	540721.8025	1292624.4097	EX.
908	202+27.42	34.89' LT	540727.6342	1292626.0000	EX.
909	202+30.11	31.19' LT	540730.5957	1292629.4766	EX.
910	202+47.26	21.13' LT	540748.1164	1292638.1924	EX.
911	202+53.36	13.77' LT	540754.5865	1292644.9245	EX.
912	202+62.66	11.00' LT	540763.7855	1292646.5249	EX.
913	201+90.39	36.57' LT	540665.6607	1292629.0452	EX.
914	202+13.36	36.92' LT	540688.5408	1292626.9505	EX.
915	202+43.15	36.92' LT	540718.2412	1292624.6818	EX.
916	202+64.69	39.21' LT	540739.5408	1292620.7514	EX.

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

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

Designed by: NSP Drawn by: NRH Checked by: PHD

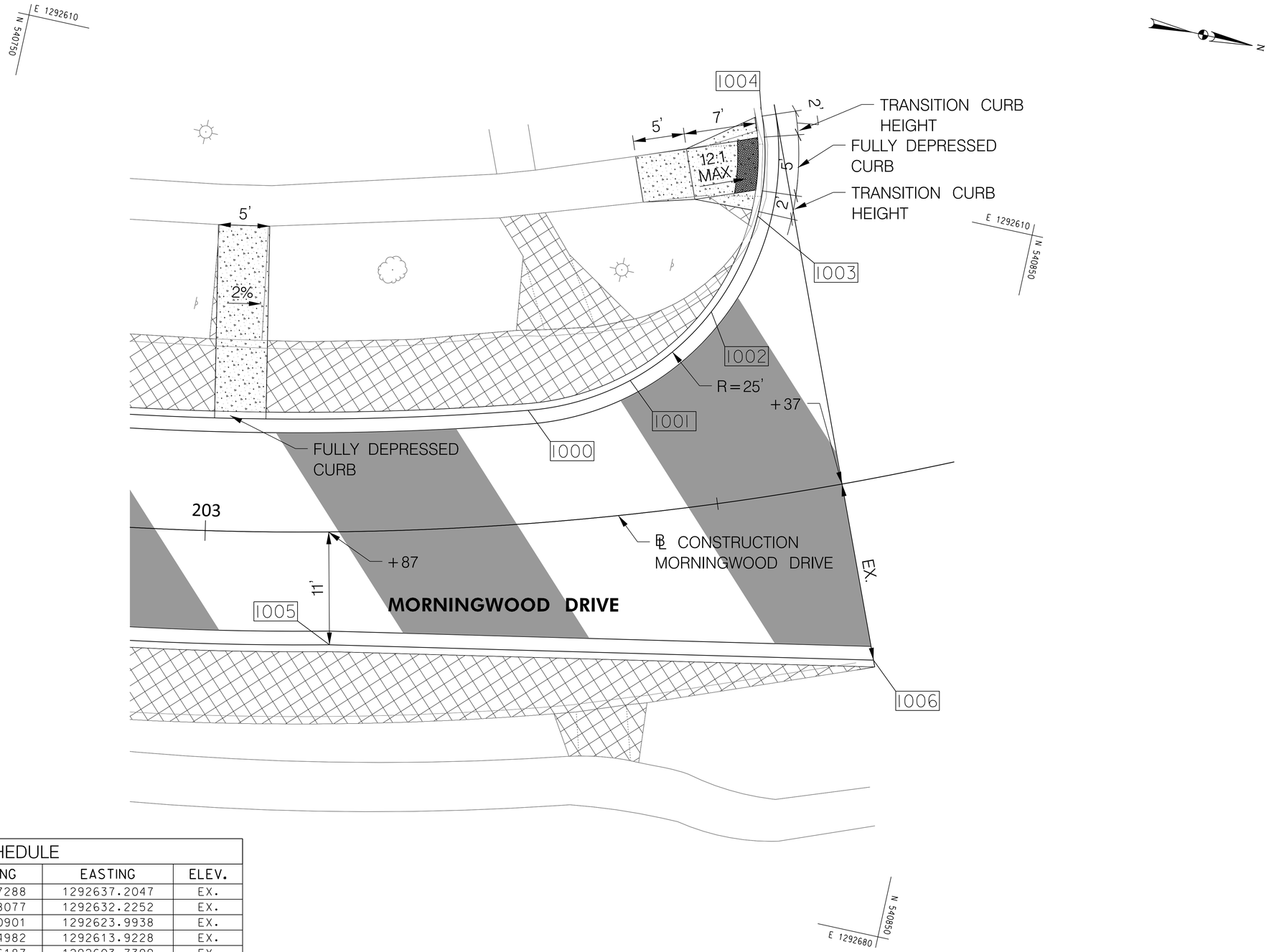
CL-09 CURB LAYOUT

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

SCALE : 1" = 10' DECEMBER 2024

Project No. : 502310 SHEET 18 of 40

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$



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.

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

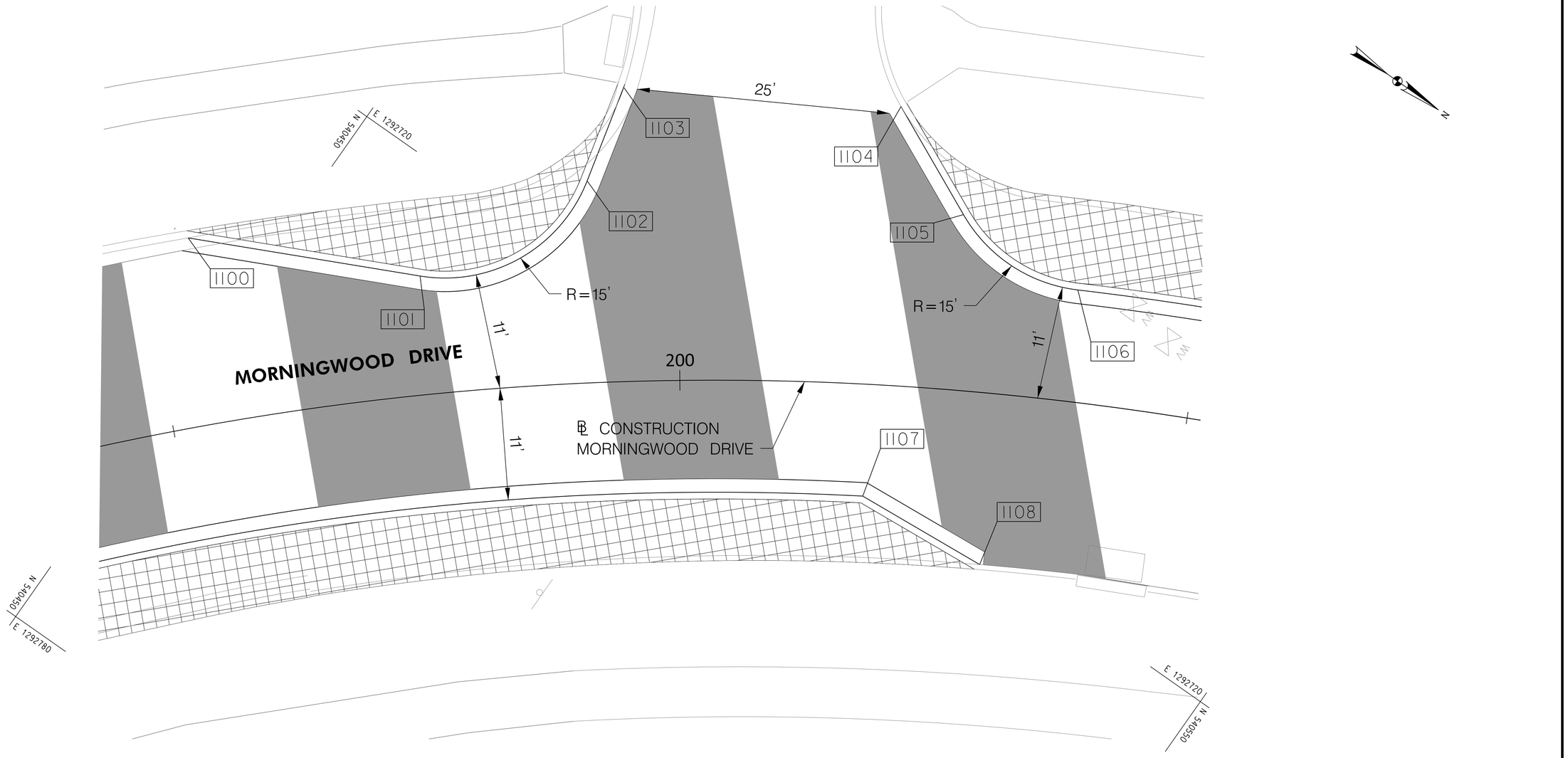
CL-10 CURB LAYOUT

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

SCALE : 1" = 10' DECEMBER 2024

Project No. : 502310 SHEET 19 of 40

$$$$DONSPEC$$$$$$$$$$$$$$$$
$DATEABB$



CURB LAYOUT SCHEDULE					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
1100	199+54.64	18.44' LT	540442.4894	1292739.8379	EX.
1101	199+75.59	11.66' LT	540463.2795	1292729.8140	EX.
1102	199+91.72	19.83' LT	540471.3361	1292712.7413	EX.
1103	199+95.33	28.87' LT	540469.0189	1292703.1692	EX.
1104	200+20.11	27.41' LT	540492.3615	1292689.0585	EX.
1105	200+26.48	17.25' LT	540503.4818	1292694.2246	EX.
1106	200+37.87	11.00' LT	540516.9223	1292693.8229	EX.
1107	200+18.55	11.00' RT	540511.2720	1292722.5318	EX.
1108	200+31.09	16.84' RT	540524.5290	1292721.4332	EX.

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

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

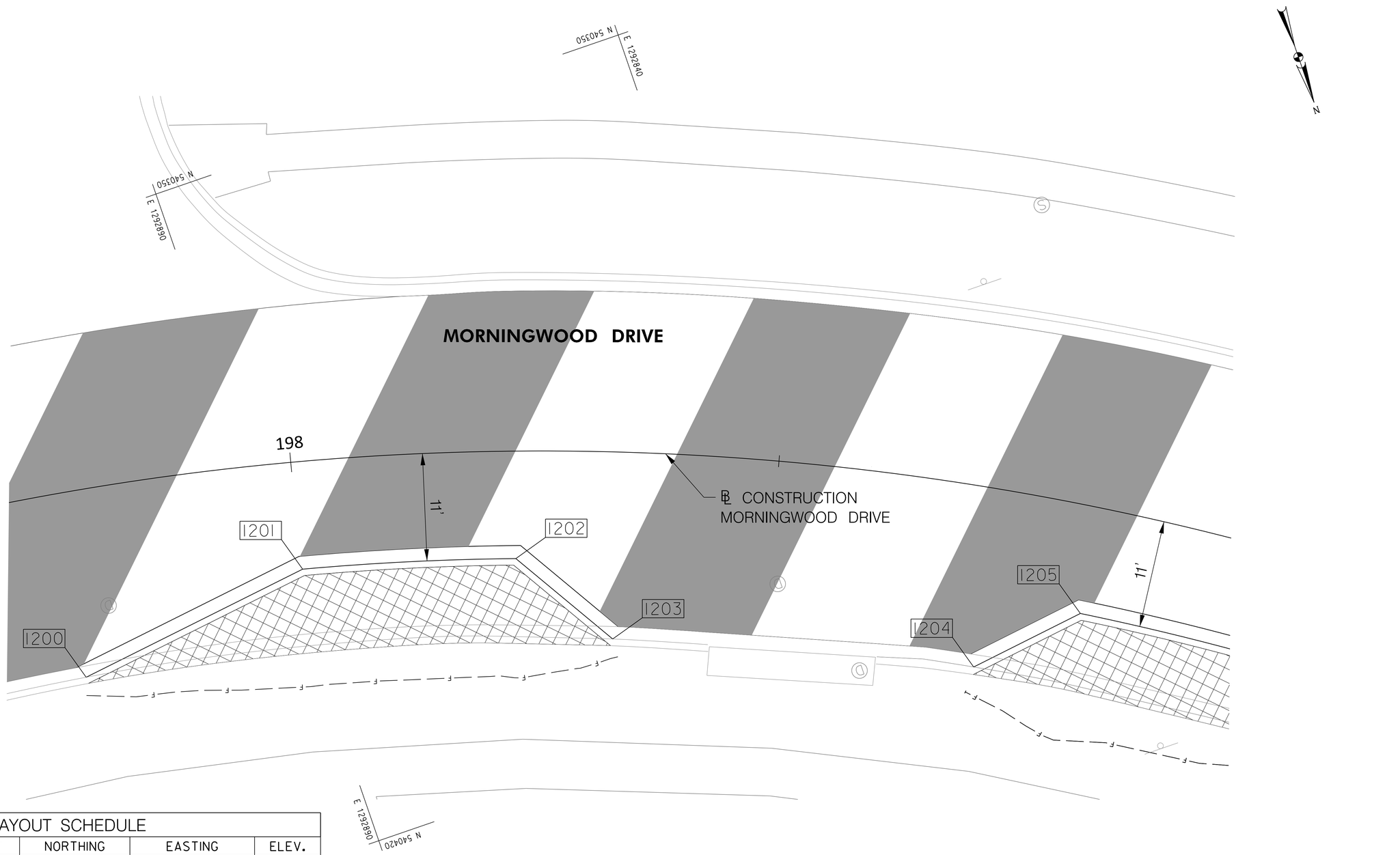
CL-11 CURB LAYOUT

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

SCALE : 1" = 10' DECEMBER 2024

Project No. : 502310 SHEET 20 of 40

$$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$



CURB LAYOUT SCHEDULE					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	ELEV.
1200	197+75.50	19.03' RT	540394.4340	1292912.8496	EX.
1201	198+00.45	11.00' RT	540391.1849	1292888.3108	EX.
1202	198+22.95	11.00' RT	540397.2606	1292867.3391	EX.
1203	198+33.49	19.14' RT	540408.2701	1292860.6530	EX.
1204	198+73.18	18.40' RT	540423.0009	1292826.6747	EX.
1205	198+83.42	11.00' RT	540421.3727	1292814.5794	EX.

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

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

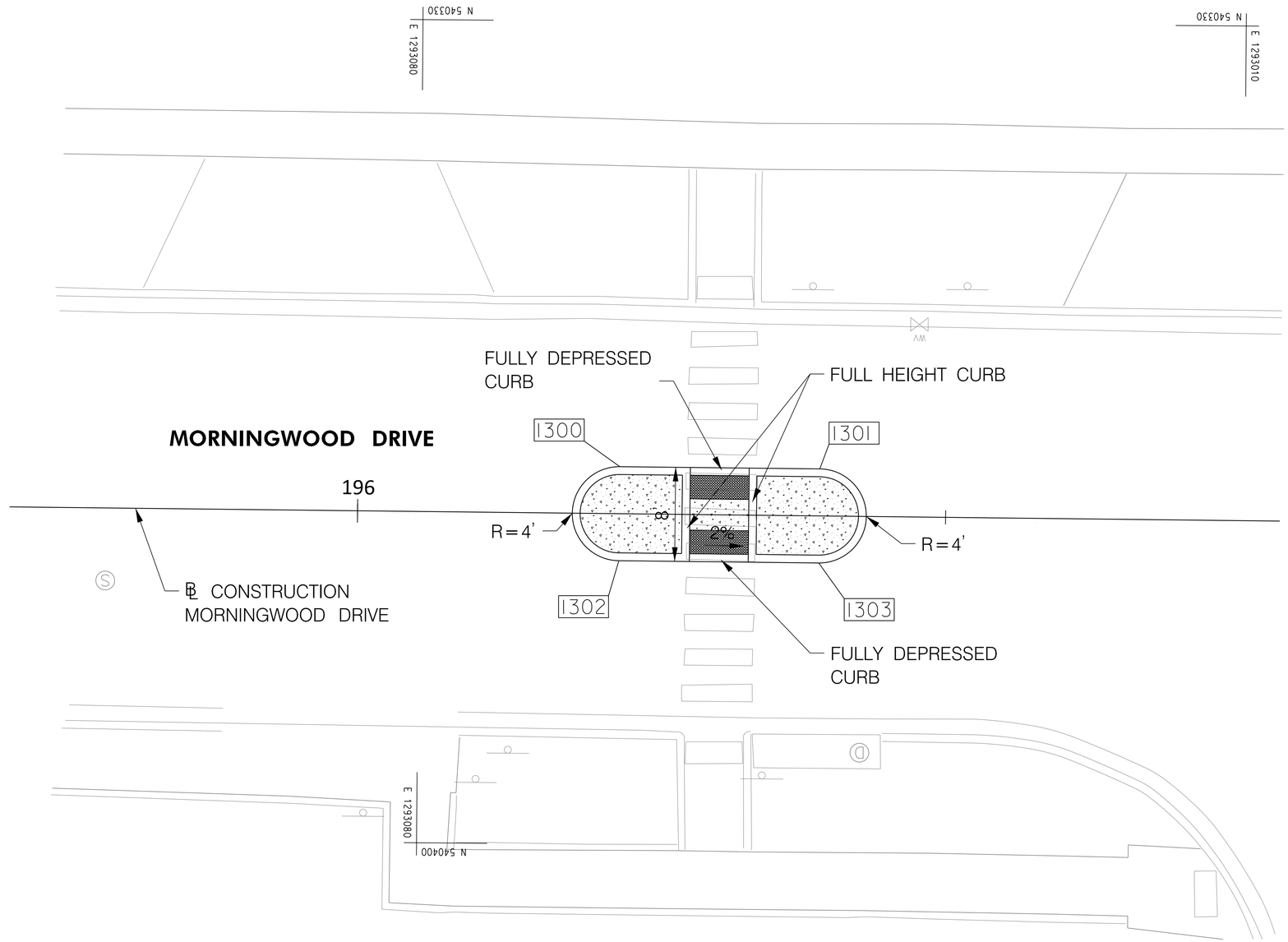
CL-12 CURB LAYOUT

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

SCALE : 1" = 10' DECEMBER 2024

Project No. : 502310 SHEET 21 of 40

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$



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 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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

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

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$

TRAFFIC CONTROL GENERAL NOTES

TEMPORARY TRAFFIC CONTROL REQUIREMENTS

1. THE PERMITTEE SHALL REFER TO THE ATTACHED TEMPORARY TRAFFIC CONTROL PLAN (TTCP) DRAWINGS TO SELECT THE APPROPRIATE WORK ZONE TEMPORARY TRAFFIC CONTROLS FOR EACH PHASE OF CONSTRUCTION. WORK ZONE SITUATIONS WHICH ARE NOT ADDRESSED IN THE ATTACHED TTCP SHALL CONFORM TO THE GUIDELINES SET FORTH IN THE MARYLAND MANUAL ON TRAFFIC CONTROL DEVICES, MOST RECENT EDITION, AND MARYLAND BOOK OF STANDARDS FOR HIGHWAYS, INCIDENTAL STRUCTURES, & TRAFFIC CONTROL APPLICATIONS.

2. ANY WORK WITHIN THE TRAVELED PORTION OF ROADWAYS SHALL BE RESTRICTED TO THE HOURS OF 9:00 AM TO 3:00 PM, MONDAY THROUGH FRIDAY. WORK ON HOLIDAYS AND WEEKENDS SHALL NOT OCCUR UNLESS AN EXCEPTION IS GRANTED IN WRITING BY THE COUNTY'S DOT INSPECTOR. REFER TO SP 104-01 FOR DETAILS ON LANE CLOSURE TIMINGS.

3. CONSTRUCTION ACTIVITY, LOADING OR UNLOADING OF EQUIPMENT SHALL NOT BLOCK ANY TRAFFIC LANE OTHER THAN THOSE DELINEATED WITHIN THE WORK ZONE.

4. EXCLUSIVE OF EMERGENCY WORK, THE PERMITTEE SHALL CONTACT OCCUPANTS OF ALL ADJOINING PROPERTIES AND INFORM THEM OF THE SCOPE AND THE TIMING OF CONSTRUCTION. A MINIMUM OF 48 HOURS NOTIFICATION SHALL BE REQUIRED PRIOR TO THE COMMENCEMENT OF ANY ACTIVITY ON THE SITE.

5. ACCESS SHALL BE MAINTAINED TO ALL DRIVEWAYS UNLESS PERMISSION FOR CLOSURE IS GRANTED BY THE PROPERTY OWNER/MANAGER. HOWEVER, ACCESSIBILITY FOR EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.

6. IF ANY TRAFFIC CONTROL SIGNS ARE TO BE PLACED ALONG A SHA ROADWAY OR WITHIN THE LIMITS OF AN INCORPORATED AREA, THE PERMITTEE SHALL NOTIFY THE APPROPRIATE AGENCY OF SIGNAGE TO BE INSTALLED.

7. NO HAZARDOUS MATERIALS SHALL BE STORED WITHIN PUBLIC RIGHT-OF-WAY. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON THE ROADWAY SURFACE OR SIDEWALK DURING NON-WORK PERIODS.

8. ALL EXISTING TRAFFIC CONTROL DEVICES (I.E. SIGNS, MARKING, ETC.) THAT MUST BE REMOVED SHALL BE REPLACED IN THEIR PROPER LOCATION PRIOR TO THE COMPLETION OF THE PROJECT. COST FOR THE REPLACEMENT AND/OR REPAIR OF DEVICES DAMAGED AS A RESULT OF THE PROJECT SHALL BE ASSESSED TO THE PERMITTEE.

9. FOR MERGING, SHIFTING, SHOULDER TAPERS, THE MAXIMUM SPACING BETWEEN DEVICES EQUALS THE POSTED SPEED IN FEET.

10. ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MOST RECENT EDITION OF THE MUTCD. ALL SIGNS, TRAFFIC DRUMS AND CONES SHALL BE FULLY REFLECTORIZED WITH HIGH INTENSITY, REFLECTIVE SHEETING AS PER THE MUTCD.

11. PROVISION SHALL BE MADE FOR SAFE MAINTENANCE OF PEDESTRIAN AND BICYCLE TRAFFIC, SUBJECT TO APPROVAL OF THE COUNTY'S DOT INSPECTOR. AT LEAST ONE 10-FOOT TRAVEL LANE SHALL BE AVAILABLE FOR TRAFFIC AT ALL TIMES.

12. ALL WARNING SIGNS, UNLESS OTHERWISE SPECIFIED, SHALL BE A MINIMUM OF 48" X 48", BLACK SYMBOL OR LEGEND ON ORANGE BACKGROUND AND DIAMOND SHAPED. ALL TEMPORARY TRAFFIC SIGNS SHALL BE PLACED ON PORTABLE SUPPORTS ("WINDMASTERS") AND SHALL BE REMOVED DURING NON-APPLICABLE PERIODS. ALL PORTABLE SIGNS SHALL BE MOUNTED A MINIMUM OF ONE (1) FOOT ABOVE THE LEVEL OF THE ROADWAY, WITH HIGHER MOUNTING HEIGHTS DESIRABLE.

13. EXISTING TRAFFIC SIGNS IN CONFLICT WITH THE WORK ZONE TRAFFIC CONTROL PLANS SHALL BE COVERED, RELOCATED OR REMOVED /TAKEN DOWN, STORED, AND REPLACED AS DIRECTED BY THE ENGINEER. TEMPORARY TRAFFIC SIGNS SHALL BE INSTALLED ONLY AS NECESSARY FOR EACH INDIVIDUAL STAGE OF CONSTRUCTION WITH THE SIGNS RELOCATED AS APPLICABLE BETWEEN STAGES.

14. WHEN PAVEMENT MARKINGS HAVE BEEN OBLITERATED BY THE WORK ACTIVITY, THE PERMITTEE SHALL INSTALL ANY CRITICAL INTERIM PAVEMENT MARKINGS PRIOR TO THE END OF THE WORKDAY AS SPECIFIED BY THE COUNTY'S DOT INSPECTOR AND/OR THE TRAFFIC ENGINEERING AND OPERATIONS SECTION. ON ROAD SECTIONS THAT ARE NOT SCHEDULED TO BE OVERLAID, ALL TEMPORARY PAVEMENT MARKINGS SHALL BE (REMOVABLE) DETOUR GRADE MARKING TAPE. ANY CONFLICTING MARKINGS, WHICH NEED TO BE TEMPORARILY REMOVED, ARE TO BE MASKED USING "3M REMOVABLE BLACK LANE MASK" OR AN APPROVED EQUAL. ON ROAD SECTIONS THAT ARE TO BE OVERLAID, TEMPORARY MARKINGS CAN BE EITHER TAPE OR PAINT. ANY CONFLICTING MARKINGS SHOULD BE REMOVED WITH A PAVEMENT GRINDER.

15. CONTRACTOR SHALL INSTALL APPROPRIATE TEMPORARY TRAFFIC CONTROL DEVICES (I.E. CHAIN LINK FENCE/PLASTIC DRUMS) TO PROTECT MOTORISTS AND/OR PEDESTRIANS FROM HAZARDS WITHIN THE WORK AREA DURING NON-WORKING HOURS.

16. ALL TCP PLAN SHEETS SHOW SIGNING AND ROADWAY CONDITIONS DURING NON-WORK HOURS. THE CONTRACTOR SHALL FOLLOW STANDARDS AS LISTED UNDER SEQUENCE OF CONSTRUCTION DURING WORK HOURS.

17. FLAGGING OPERATIONS SHALL BE IN ACCORDANCE WITH SHA STANDARD NO. MD. 104.02-10.

18. THE CONTRACTOR SHALL COVER THE WORK AREA SEGMENT WITH STEEL PLATES AND PLACE APPROPRIATE ADVANCE WARNING SIGNS FOR STEEL PLATES BEFORE OPENING ALL TRAVEL LANES TO TRAFFIC AT THE END OF WORK DAY FOR ENTIRE DURATION OF THE PROJECT.

19. ALL TRAFFIC CONTROL DEVICES AND STANDARDS SHALL CONFORM TO THE 25 MPH POSTED SPEED LIMIT WITHIN THE ENTIRE PROJECT LIMITS.

20. PORTABLE VARIABLE MESSAGE SIGNS SHALL BE USED TO NOTIFY THE TRAVELING PUBLIC OF THE ROAD WORK. MESSAGE AND LOCATION TO BE DETERMINED BY THE ENGINEER IN ACCORDANCE WITH SHA STD. 104.01-22

21. WORK REQUIRING MAINTAINANCE OF TRAFFIC IS PERMITTED ON ONE SIDE OF THE ROAD AT A TIME.

FLAGGING OPERATIONS

1. WHEN POSSIBLE, TWO-WAY TRAFFIC SHALL BE MAINTAINED, OTHERWISE, FLAGGERS SHALL BE USED TO CONTROL TRAFFIC.

2. FLAGGERS SHALL BE MARYLAND STATE HIGHWAY ADMINISTRATION OR AATSA APPROVED FLAGGERS AND SHALL BE USED AT THE DIRECTION OF THE COUNTY INSPECTOR. FLAGGERS SHALL USE STOP/SLOW PADDLES TO DIRECT TRAFFIC.

3. RADIO COMMUNICATION SHALL BE REQUIRED BETWEEN FLAGGERS AT THE DISCRETION OF THE COUNTY INSPECTOR OR UNDER THE FOLLOWING CONDITIONS:
   - IF THE FLAGGERS CANNOT SEE EACH OTHER
   - IF THE LANE CLOSURE EXCEEDS 200 FEET

PAVEMENT DROP-OFF

1. ANY EXCAVATION(S) IN THE ROADWAY SHALL BE PAVED TO LEVEL GRADE OR PLATED AND THE ROADWAY REOPENED TO ITS FULL CROSS-SECTION PRIOR TO THE END OF EACH WORKDAY. "STEEL PLATES AHEAD" (W21-9) SIGNS SHALL BE PLACED APPROXIMATELY 250 FEET IN ADVANCE OF ANY STEEL PLATE. ANY EXCAVATIONS IN THE SIDEWALK SHALL BE BACKFILLED OR PLATED PRIOR TO THE END OF EACH WORKDAY AND SIDEWALK REOPENED TO ITS FULL CROSS SECTION.

2. TRAFFIC SHALL NOT BE PERMITTED WITHIN TEN (10) FEET OF ANY EXCAVATION THAT RESULTS IN A VERTICAL DROP-OFF OF MORE THAN FIVE (5) INCHES IN THE LEVEL OF PAVEMENT DURING NON-WORKING HOURS UNLESS PROTECTED BY TEMPORARY CONCRETE BARRIERS OR RAMPED WITH AGGREGATE MATERIAL AT A 3:1 OR FLATTER SLOPE FROM THE EDGE OF PAVEMENT. WHEN RAMPING IS UTILIZED, TTC DRUMS SHALL BE POSITIONED ADJACENT TO THE EDGE OF THE WORK AREA ON THE TRAFFIC SIDE OF THE SLOPE.

3. TRAFFIC SHALL NOT BE PERMITTED WITHIN TWO (2) FEET OF ANY EXCAVATION THAT RESULTS IN A VERTICAL DROP-OFF OF MORE THAN TWO (2) INCHES BUT NO MORE THAN FIVE (5) INCHES IN THE LEVEL OF PAVEMENT DURING NON-WORKING HOURS UNLESS EITHER RAMPED WITH AGGREGATE MATERIAL AT A 4:1 OR FLATTER SLOPE, PROVIDED WITH AN ABUTTING WEDGE OF BITUMINOUS MATERIAL AT A 3:1 OR FLATTER SLOPE OR PROTECTED BY TRAFFIC DRUMS.

TRAFFIC CONTROL GENERAL NOTES (CONT.)

PAVEMENT DROP OFF (CONT.)

4. AT DROP-OFFS IN EXCESS OF 5 INCHES, EITHER GRADDED AGGREGATE BASE WEDGE SHALL BE USED IN ACCORDANCE WITH SHA STANDARD 104.01-28, OR POSITIVE PROTECTION FROM THE DROP-OFF IN THE FORM OF CONCRETE BARRIERS SHALL BE USED IN ACCORDANCE WITH SHA STANDARD 104.06-18, AT THE END OF WORKDAYS.

INSPECTOR AUTHORITY

1. THE COUNTY'S DEPARTMENT OF TRANSPORTATION (DOT) INSPECTOR HAS THE AUTHORITY TO MODIFY THE TTCP AS DEEMED NECESSARY. THE INSPECTOR HAS THE AUTHORITY TO ORDER THE PERMITTEE TO STOP WORK AND VACATE THE PUBLIC RIGHT-OF-WAY IF THE TTCP IS NOT COMPLIED WITH.

2. THE IMPLEMENTATION DATE AND CONTINUANCE OF WORK ACTIVITIES MAY BE ALTERED AT THE DISCRETION OF THE COUNTY'S DOT INSPECTOR IN THE EVENT OF CONFLICTS WITH PREVIOUSLY APPROVED OR EMERGENCY ACTIVITIES.

MISCELLANEOUS

1. THE PERMITTEE WILL BE SOLELY RESPONSIBLE FOR ALL ACCIDENTS AND/OR DAMAGE TO PERSONS AND/OR PROPERTY DAMAGE RESULTING FROM HIS OPERATIONS.

2. HAZARDOUS MATERIAL SHALL NOT BE STORED WITHIN PUBLIC RIGHT-OF-WAY. NO MATERIALS OR EQUIPMENT SHALL BE STORED ON THE ROADWAY SURFACE OR SIDEWALK DURING NON-WORKING PERIODS. ALL STORED MATERIALS AND EQUIPMENT SHALL BE SET BACK AT LEAST SIX (6) FEET BEHIND THE CURB ALONG A CLOSED SECTION ROADWAY AND AT LEAST TWELVE (12) FEET FROM THE EDGE OF OPEN SECTION ROADWAY.

3. ALL TTC DEVICES SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER NEEDED. WHEN WORK IS SUSPENDED FOR SHORT PERIODS OF TIME, TTC DEVICES THAT ARE NO LONGER APPROPRIATE SHALL BE REMOVED OR COVERED.

4. AT THE COMPLETION OF WORK ACTIVITIES, CONDITIONS WITHIN THE PUBLIC SPACE SHALL BE FULLY RESTORED TO THOSE THAT EXISTED PRIOR TO THE WORK ACTIVITY.

CONTACT INFORMATION

1. CONTACT THE MCDOT TRANSPORTATION MANAGEMENT CENTER 240-777-2100 BETWEEN 5:00 AM AND 11:00 PM TO INFORM THEM OF TEMPORARY LANE CLOSURES IN THE VICINITY OF ANY TRAFFIC SIGNALS.

2. THE PERMITTEE SHALL CONTACT THE TRANSPORTATION SYSTEMS ENGINEERING TEAM AT 240-777-2100 AT LEAST TWO WEEKS IN ADVANCE TO COORDINATE ANY MINOR TRAFFIC SIGNAL WORK. MAJOR TRAFFIC SIGNAL WORK SHALL BE COORDINATED A MINIMUM OF THIRTY (30) DAYS IN ADVANCE OF THE PROJECT. THE PERMITTEE SHALL CONTACT THE MONTGOMERY COUNTY TRAFFIC MANAGEMENT CENTER AT 240-777-2100 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK TO HAVE EXISTING TRAFFIC SIGNAL EQUIPMENT MARKED.

3. THE PERMITTEE SHALL CONTACT TRAFFIC ENGINEERING STUDIES SECTION (TES) AT 240-777-6000 AT LEAST TEN (10) WORKING DAYS IN ADVANCE OF THE FINAL PAVING OPERATIONS TO SCHEDULE THE INSTALLATION OF PERMANENT PAVEMENT MARKING AND SIGNS.

4. THE PERMITTEE SHALL CONTACT THE DIRECTOR OF THE BETHESDA-CHEVY CHASE REGIONAL SERVICES CENTER AT 240-777-8200 AND THE DISTRICT 2 TRAFFIC SERGEANT OF THE MONTGOMERY COUNTY POLICE DEPARTMENT AT 240-773-6700, A MINIMUM OF ONE WEEK PRIOR TO THE BEGINNING OF ANY WORK ACTIVITIES.

5. FIELD ASSISTANCE BY THE MCDOT, DIVISION OF TRAFFIC ENGINEERING DESIGN AND OPERATION SECTION (TEDO) IS AVAILABLE UPON REQUEST. CONTACT TRAFFIC ENGINEERING DESIGN AND OPERATION SECTION (TEDO) AT 240-777-6000.

6. FOR SHA OFFICE OF TRAFFIC AND SAFETY, CALL 1-888-963-0307.

MAINTENANCE OF TRAFFIC ACTIVITIES

FOR WORK ALONG WESTBOUND NORTH HIGH STREET

1. DURING OFF PEAK HOURS CLOSE NORTH HIGH STREET AND MAINTAIN LOCAL TRAFFIC ONLY USING SHA STD. NO. MD-104.02-10.

2. CONTRACTOR SHALL WORK WITH PROPERTY OWNERS TO MAINTAIN ACCESS TO ALL DRIVEWAYS ALONG NORTH HIGH STREET AT ALL TIMES. A WORK PLAN DETAILING HOW ACCESS WILL BE MAINTEND SHALL BE SUBMITTED TO THE MCDOT PROJECT MANAGER PRIOR TO CONSTRUCTION FOR APPROVAL.

FOR WORK ALONG EASTBOUND NORTH HIGH STREET

1. DURING OFF PEAK HOURS CLOSE NORTH HIGH STREET AND MAINTAIN LOCAL TRAFFIC ONLY USING SHA STD. NO. MD-104.02-10.

2. CONTRACTOR SHALL WORK WITH PROPERTY OWNERS TO MAINTAIN ACCESS TO ALL DRIVEWAYS ALONG NORTH HIGH STREET AT ALL TIMES. A WORK PLAN DETAILING HOW ACCESS WILL BE MAINTEND SHALL BE SUBMITTED TO THE MCDOT PROJECT MANAGER PRIOR TO CONSTRUCTION FOR APPROVAL.

FOR WORK ALONG NORTHBOUND MORINGWOOD DRIVE

1. DURING OFF PEAK HOURS CLOSE NORTHBOUND MORINGWOOD DRIVE AND MAINTAIN TRAFFIC USING SHA STD. NO. MD-104.02-10.

FOR WORK ALONG SOUTHBOUND MORINGWOOD DRIVE

1. DURING OFF PEAK HOURS CLOSE SOUTHBOUND MORINGWOOD DRIVE AND MAINTAIN TRAFFIC USING SHA STD. NO. MD-104.02-10.

FOR WORK ALONG MEDIAN OF MORINGWOOD DRIVE

1. DURING OFF PEAK HOURS SHIFT TRAFFIC ALONG MORINGWOOD DRIVE USING SHA STD. NO. MD-104.02-08.

CONSTRUCTION ACTIVITIES

FOR WORK ALONG WESTBOUND NORTH HIGH STREET

1. CONSTRUCT FULL DEPTH WIDENING, CURB AND GUTTER, SIDEWALK, AND DRIVEWAYS.

FOR WORK ALONG EASTBOUND NORTH HIGH STREET

1. CONSTRUCT FULL DEPTH WIDENING, CURB AND GUTTER, SIDEWALK, RETAINING WALL, AND DRIVEWAYS.

FOR WORK ALONG NORTHBOUND MORINGWOOD DRIVE

1. REMOVE EXISTING PAVEMENT
2. CONSTRUCT WEDGE AND LEVEL, CURB AND GUTTER, AND SIDEWALK.

FOR WORK ALONG SOUTHBOUND MORINGWOOD DRIVE

1. REMOVE EXISTING PAVEMENT
2. CONSTRUCT CURB AND GUTTER AND SIDEWALK.

FOR WORK ALONG MEDIAN OF MORINGWOOD DRIVE

1. CONSTRUCT RAISED CONCRETE MEDIAN AND SIDEWALK.

SPECIAL NOTE:
NO TEMPORARY TRAFFIC CONTROL PLANS ARE PROVIDED. CONTRACTOR SHALL REFER TO THE MAINTENANCE OF TRAFFIC ACTIVITIES NOTES FORRECOMMENDED TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATIONS TODEVELOP A WORK PLAN FOR APPROVAL TO COMPLETE WORK.

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: NSP Drawn by: NRH Checked by: PHD

TCP-A TRAFFIC CONTROL PLAN

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

SCALE : NTS DECEMBER 2024

Project No. : 502310 SHEET 23 of 40

$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$

CRITERIA

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

DESIGN

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

A A S H T O - "HIGHWAY SAFETY DESIGN AND OPERATIONS GUIDE" -1997

A A S H T O - "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS LUMINAIRES AND TRAFFIC SIGNALS", 2015 EDITION (CATEGORY II FOR ALL OVERHEAD AND CANTILEVER SIGN STRUCTURES).

MATERIALS AND CONSTRUCTION

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

MDOT SHA - "BOOK OF STANDARDS FOR HIGHWAY AND INCIDENTAL STRUCTURES", MOST CURRENT EDITION AND SUBSEQUENT REVISIONS AND SUPPLEMENTS.

DESIGN WIND

100 MPH - WOOD SUPPORTS
10 YEAR RECURRENCE INTERVAL

100 MPH - GROUND MOUNT SIGN STEEL SUPPORTS
10 YEAR RECURRENCE INTERVAL

100 MPH - OVERHEAD AND CANTILEVER STRUCTURES
50 YEAR RECURRENCE INTERVAL

} ALL DISTRICTS

DESIGN STRESS

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

CHAMFER

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

CLASSIFICATION OF SIGNS

SIGNS ARE DIVIDED INTO TWO (2) GENERAL CATEGORIES.

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

IDENTIFICATION OF SIGNS AND PANELS

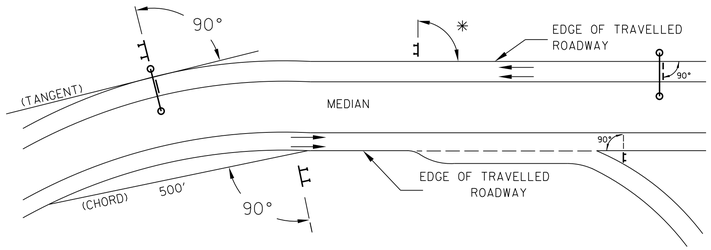
GUIDE SIGNS
EACH GUIDE SIGN IS IDENTIFIED BY A SIGN NUMBER ON THE PLANS AND IN THE TABULATIONS. (GM-1, GM-2, GM-3, etc)
SIGNS ON STRUCTURES ARE IDENTIFIED WITH A NUMBER AND WHERE VARIATIONS OCCUR, A LOWER CASE LETTER. (OH-1a, OH-1b, OH-1c)

STANDARD SIGNS
STANDARD SIGNS ARE IDENTIFIED BY PANEL NUMBERS AND ARE CLASSIFIED AS FOLLOWS
R - REGULATORY
W - WARNING
M - ROUTE MARKERS AND ACCESSORIES
D - DESTINATION AND MILEAGE PANELS
S - SCHOOL
PANELS SHALL BE DESIGNATED TO AGREE WITH MARYLAND STANDARD SIGN BOOK. EACH STANDARD SIGN IS IDENTIFIED FIRST BY THE SHEET NUMBER, THEN BY THE NUMERICAL ORDER OF THE SIGN AS IT APPEARS ON THE PLAN.
FOR EXAMPLE SHEET SN 2.1-101,102,103, ETC. SHEET SN 2.2-201,202,203,ETC.

PANEL LAYOUT AND ALPHABETS

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

ORIENTATION OF SIGN FACES



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

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

REFLECTORIZATION

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

SIGN LOCATIONS

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

EXISTING UTILITIES

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

ROADSIDE SIGNS

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

OVERHEAD SIGNS

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

PROJECT REQUIREMENTS

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

1. SHEETING SHALL MEET THE REQUIREMENTS OF SECTIONS 813 AND 950.03 OF MDOT SHA'S STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS JULY 2023 EDITION AND SUBSEQUENT REVISIONS AND SUPPLEMENTS.
2. LISTED ON MDOT SHA OFFICE OF TRAFFIC AND SAFETY'S QUALIFIED PRODUCTS LIST (QPL).

PROJECT REQUIREMENTS CONT'D

3. THE FOLLOWING TYPES OF SHEETING SHALL BE USED FOR THE SPECIFIED SIGN CLASSIFICATIONS:

GENERAL NOTE: ALL COLORS SHALL BE RETROREFLECTIVE EXCEPT BLACK. BLACK TEXT, BORDERS, SYMBOLS OR ANY BLACK ELEMENTS OF ANY SIGN SHALL BE NON-REFLECTIVE. THIS APPLIES TO ALL MDOT SHA SIGNS AS SHOWN BELOW.

A) GUIDE, EXIT GORE, GENERAL INFORMATION, AND SERVICE SIGNS - FALL INTO TWO SUB CATEGORIES:

(I). GROUND MOUNTED:
ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE IX (9).

(II). OVERHEAD STRUCTURE SIGNS AND OVERHEAD CANTILEVER SIGNS:
ALL RETROREFLECTIVE SHEETING ELEMENTS OF ALL OVERHEAD SIGNS SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE XI (II). (THIS SECTION DOES NOT APPLY TO OVERHEAD SIGNALIZED INTERSECTION SIGNING; MAST ARM OR SPAN WIRE. FOLLOW THE REQUIREMENTS FOR THE RESPECTIVE SIGN CLASSIFICATION FOR SIGNAL SIGNING.)

B) WARNING SIGNS - RETROREFLECTIVE SHEETING FOR WARNING SIGNS (FLUORESCENT YELLOW AND FLUORESCENT ORANGE) SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE IX (9). REGULATORY MESSAGES WITHIN WARNING SIGNS SHALL FOLLOW THE REQUIREMENTS FOR REGULATORY SIGNS.

C) SCHOOL SIGNS - RETROREFLECTIVE SHEETING FOR SCHOOL SIGNS (FLUORESCENT YELLOW AND FLUORESCENT YELLOW-GREEN) SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE IX (9). REGULATORY MESSAGES WITHIN SCHOOL SIGNS SHALL FOLLOW THE REQUIREMENTS FOR REGULATORY SIGNS.

D) REGULATORY SIGNS - FALL INTO THREE SUBCATEGORIES:

(I). "RED" REGULATORY SIGNS; (SPECIFICALLY - STOP, YIELD, DO NOT ENTER AND WRONG WAY). ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE IX (9).

(II). ALL R7 AND R8 SERIES PARKING RELATED SIGNS AND THEIR SUPPLEMENTAL PANELS, NO TRESPASSING SIGNS, AND SIGNS DIRECTED AT PEDESTRIANS AND BICYCLISTS ONLY. ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET THE REQUIREMENTS FOR ASTM TYPE IV (4).

(III). ALL OTHER REGULATORY SIGNS - ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET ASTM TYPE IV (4) INCLUDING RED ELEMENTS. WARNING MESSAGES WITHIN REGULATORY SIGNS SHALL FOLLOW THE REQUIREMENTS FOR WARNING SIGNS.

E) ROUTE MARKERS (INDEPENDENT USE AND GUIDE SIGN USE)

INDEPENDENT USE: ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET BUT NOT TO EXCEED THE REQUIREMENTS FOR ASTM TYPE IV (4).

GUIDE SIGN USE: WHEN INCORPORATED IN THE BODY OF A GUIDE SIGN, ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET THE SHEETING REQUIREMENTS OF THE GUIDE SIGNS FOR WHICH THEY ARE TO BE APPLIED; GROUND MOUNT ASTM TYPE IX (9) OR OVERHEAD ASTM TYPE XI (II).

F) LOGOS AND / OR GRAPHICS - WITHIN SIGNS SHALL FOLLOW THE REQUIREMENTS FOR THE RESPECTIVE SIGN CLASSIFICATION UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, OR AS DIRECTED BY THE ENGINEER.

G) SPECIFIC SERVICE (LOGO) SIGNING - ALL COPY, DIVIDER BORDERS, LOGOS AND ARROWS SHALL BE DEMOUNTABLE ALUMINUM OVERLAYS, .032 MINIMUM TO .063 MAXIMUM. ALL RETROREFLECTIVE SHEETING ELEMENTS OF THESE SIGNS SHALL MEET OR EXCEED THE REQUIREMENTS FOR ASTM TYPE IX (9). DISTANCES ON DIRECTIONAL ARROWS WHEN SPECIFIED SHALL BE BLACK. THE OVERLAYS ARE TO BE APPLIED WITH .125 ALUMINUM POP RIVETS TO THE BODY OF THE MAIN SIGN.

H) CIVIL DEFENSE SIGNS AND OTHER SIGNS - NOT SPECIFICALLY FALLING INTO ONE OF THE CATEGORIES ABOVE, SHALL FOLLOW THE GUIDELINES FOR THE SIGN CLASSIFICATION THAT MOST CLOSELY MATCHES THE COLOR(S) OF THE PROPOSED SIGN.

4. THE FOLLOWING MINIMUM THICKNESS SHALL BE USED FOR THE APPROPRIATE WIDTH OF SHEET ALUMINUM BLANKS:

LONGEST DIMENSION	MINIMUM THICKNESS
UP TO 12"	0.040"
GREATER THAN 12" TO 24"	0.063"
GREATER THAN 24" TO 36"	0.080"
GREATER THAN 36" TO 48"	0.100"
OVER 48"	0.125"

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

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

Designed by: JHR Drawn by: JHR Checked by: JMM

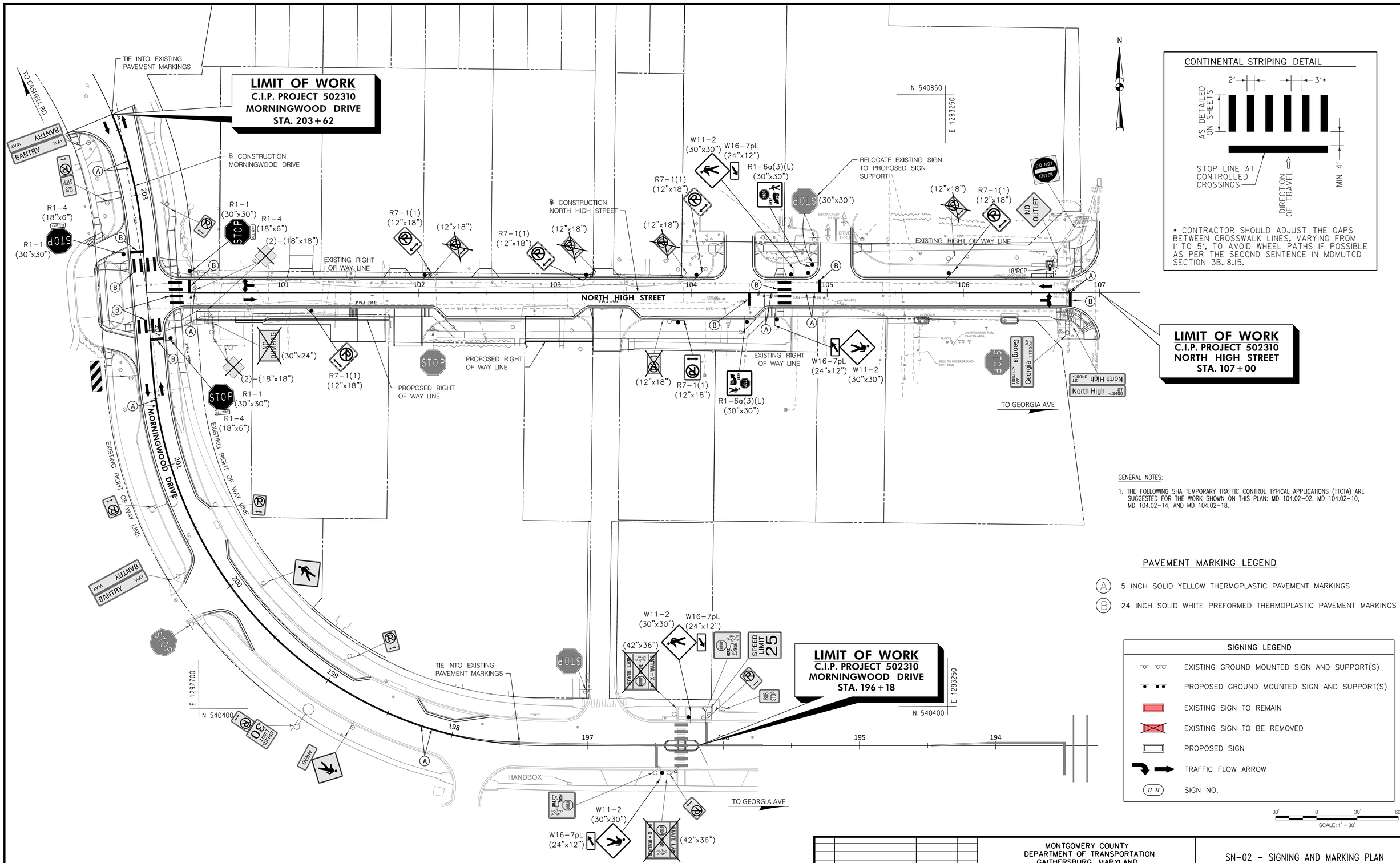
SN-01 SIGNING AND MARKING GENERAL NOTES

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

SCALE : NTS DECEMBER 2024

Project No. : 502310 SHEET 24 of 40

$$$$DGNSPEC$$$$$$$$$$$$$$$
$DATEABB$



CONTINENTAL STRIPING DETAIL

* CONTRACTOR SHOULD ADJUST THE GAPS BETWEEN CROSSWALK LINES, VARYING FROM 1' TO 5', TO AVOID WHEEL PATHS IF POSSIBLE AS PER THE SECOND SENTENCE IN MDMUTCD SECTION 3B.18.15.

GENERAL NOTES:

1. THE FOLLOWING SHA TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATIONS (TTCTA) ARE SUGGESTED FOR THE WORK SHOWN ON THIS PLAN: MD 104.02-02, MD 104.02-10, MD 104.02-14, AND MD 104.02-18.

PAVEMENT MARKING LEGEND

(A) 5 INCH SOLID YELLOW THERMOPLASTIC PAVEMENT MARKINGS

(B) 24 INCH SOLID WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS

SIGNING LEGEND

	EXISTING GROUND MOUNTED SIGN AND SUPPORT(S)
	PROPOSED GROUND MOUNTED SIGN AND SUPPORT(S)
	EXISTING SIGN TO REMAIN
	EXISTING SIGN TO BE REMOVED
	PROPOSED SIGN
	TRAFFIC FLOW ARROW
(##)	SIGN NO.

30' 0 30' 60'

SCALE: 1" = 30'

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

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section — Date

APPROVED

Chief, Division of Transportation Engineering — Date

Designed by: JHR Drawn by: JHR Checked by: JMM

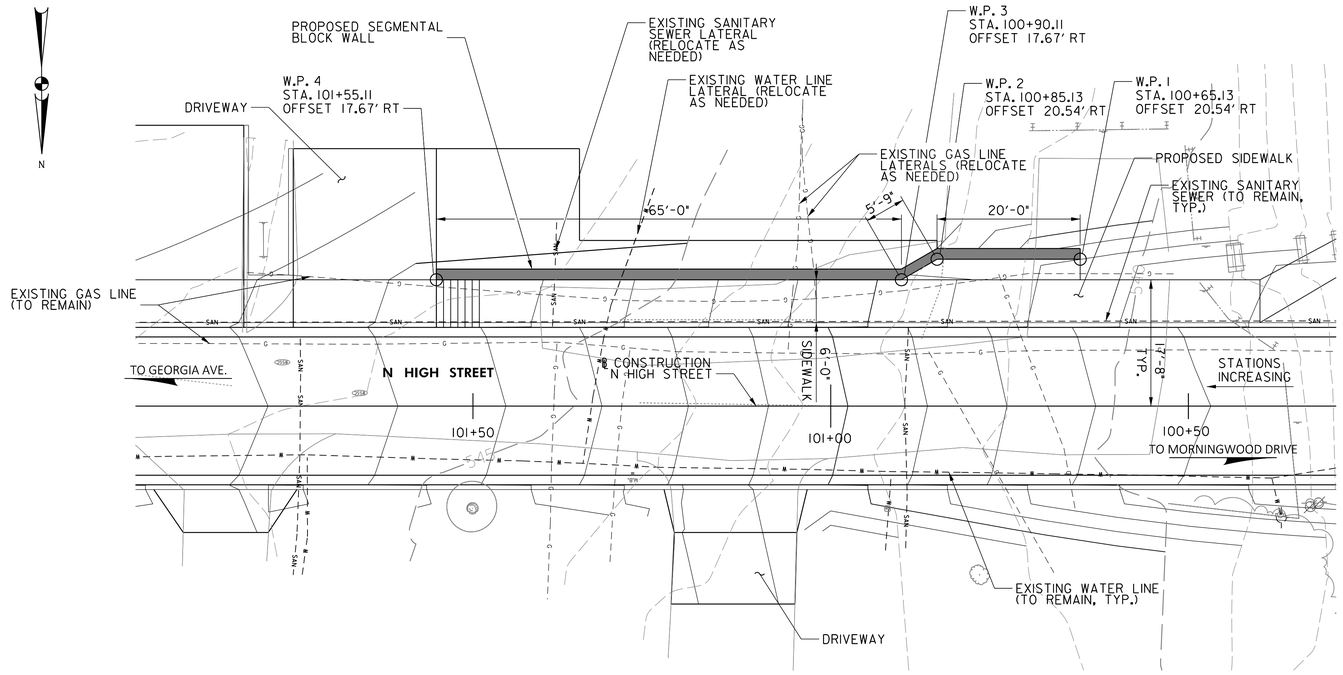
SN-02 - SIGNING AND MARKING PLAN

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

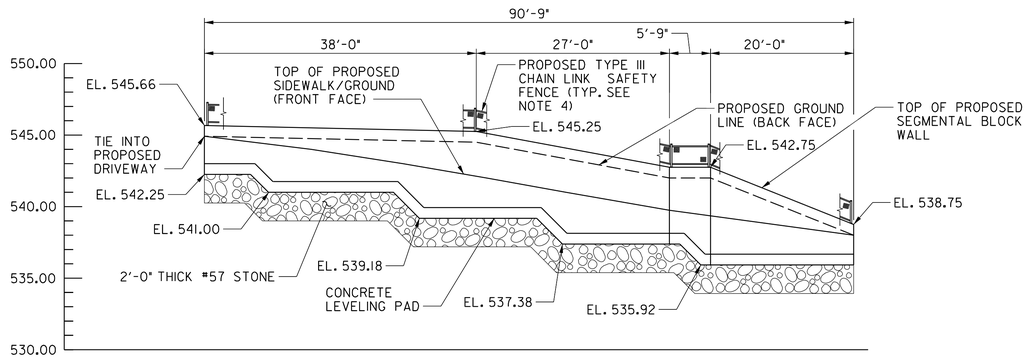
SCALE : 1" = 30' DECEMBER 2024

Project No. : 502310 SHEET 25 of 40

$$$$$DGNSPEC$$$$$$$$$$$$$$$$
$DATEABB$



PLAN
SCALE: 1" = 10'



DEVELOPED ELEVATION
HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 5'

GENERAL NOTES

SPECIFICATIONS:	MDOT SHA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED JULY 2024.
SEGMENTAL BLOCK:	SEE SPECIAL PROVISIONS.
CONCRETE:	ALL CONCRETE FOR LEVELING PAD SHALL BE MIX NO. 1 (2500 PSI).
WORK REQUIRED:	1. CONSTRUCT THE PROPOSED SEGMENTAL BLOCK RETAINING WALL.

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

NOTES:

1. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS DURING RETAINING WALL CONSTRUCTION.
2. MEASUREMENT AND PAYMENT FOR SEGMENTAL BLOCK WALL SHALL BE PAID USING THE PERTINENT LUMP SUM ITEM AND WILL INCLUDE NO. 57 STONE BELOW WALL, CONCRETE LEVELING PAD, NO. 57 STONE BEHIND WALL, AND ALL LABOR, MATERIALS, AND INCIDENTALS NEEDED TO CONSTRUCT WALL.
3. CARE SHALL BE TAKEN WHEN EXCAVATING FOR SEGMENTAL BOCK WALL TO AVOID IMPACTING EXISTING GAS LINE.
4. FOR TYPE III CHAIN LINK FENCE DETAILS, SEE DETAIL SUP-FR(FN)-301 AND SUP-FR(FN)-302 ON DWG. NO. S-4.

10' 0 10' 20'
SCALE: 1" = 10'

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.

NO.	REVISION	DATE	BY

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: KW Drawn by: ZK Checked by: MWM

S-1

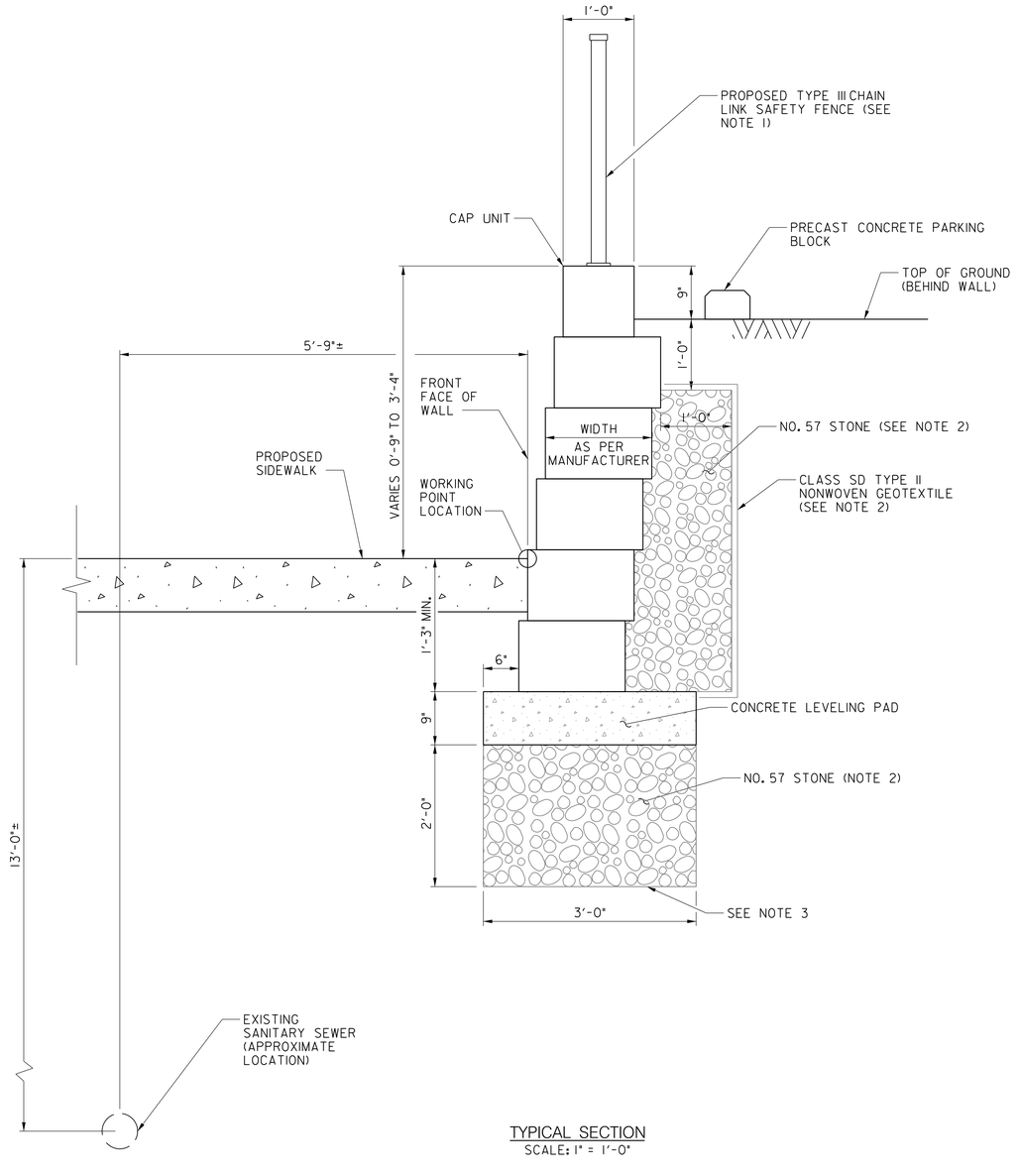
RETAINING WALL GENERAL PLAN AND ELEVATION

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

SCALE : VARIES DECEMBER 2024

Project No. : 502310 SHEET 26 of 40

12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\Structures\DBR-GP01.N High St.dgn



TYPICAL SECTION
SCALE: 1" = 1'-0"

1' 0 1' 2'
SCALE: 1" = 1'-0"

NOTES:

1. FOR TYPE III CHAIN LINK FENCE DETAILS, SEE DETAIL SUP-FR(FN)-301 AND SUP-FR(FN)-302 ON DWG. NO. S-4.
2. NO. 57 SHALL BE MEASURED AND PAID USING POROUS BACKFILL PAY ITEM.
3. SOIL SHALL A BEARING CAPACITY OF 2000 PSF PRIOR TO PLACING NO. 57 STONE BEDDING. SEE SEGMENTAL RETAINING WALL SPECIAL PROVISION.

S-2

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.

NO.	REVISION	DATE	BY

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: MMM Drawn by: ZK Checked by: MMM

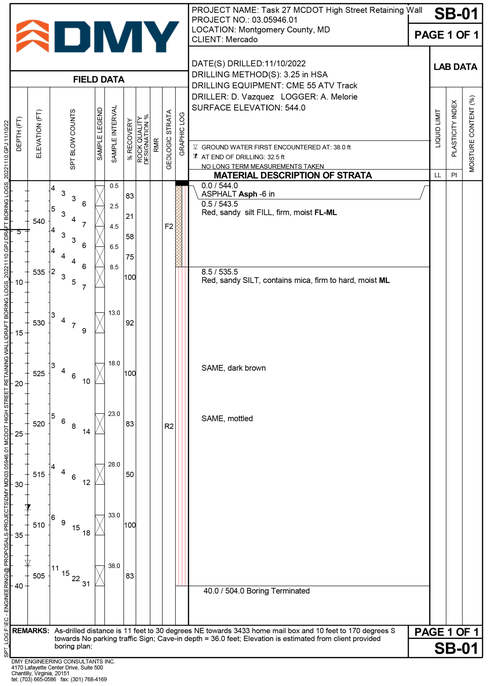
RETAINING WALL TYPICAL SECTION

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

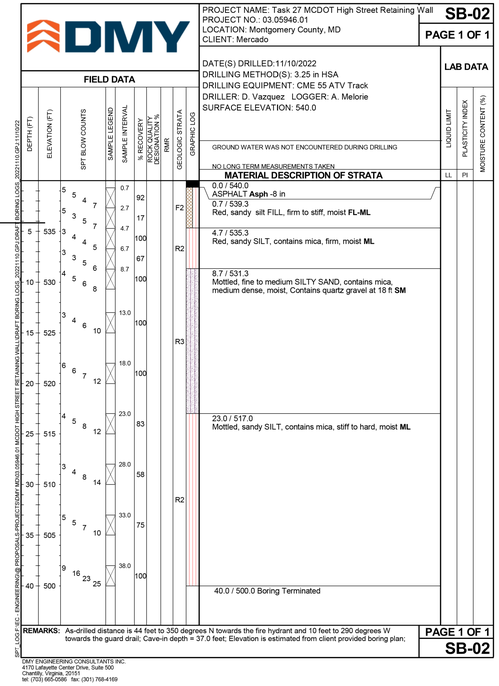
SCALE : 1" = 1'-0" DECEMBER 2024

Project No. : 502310 SHEET 27 of 40

12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\Structures\SBR-TP01.N High St.dgn

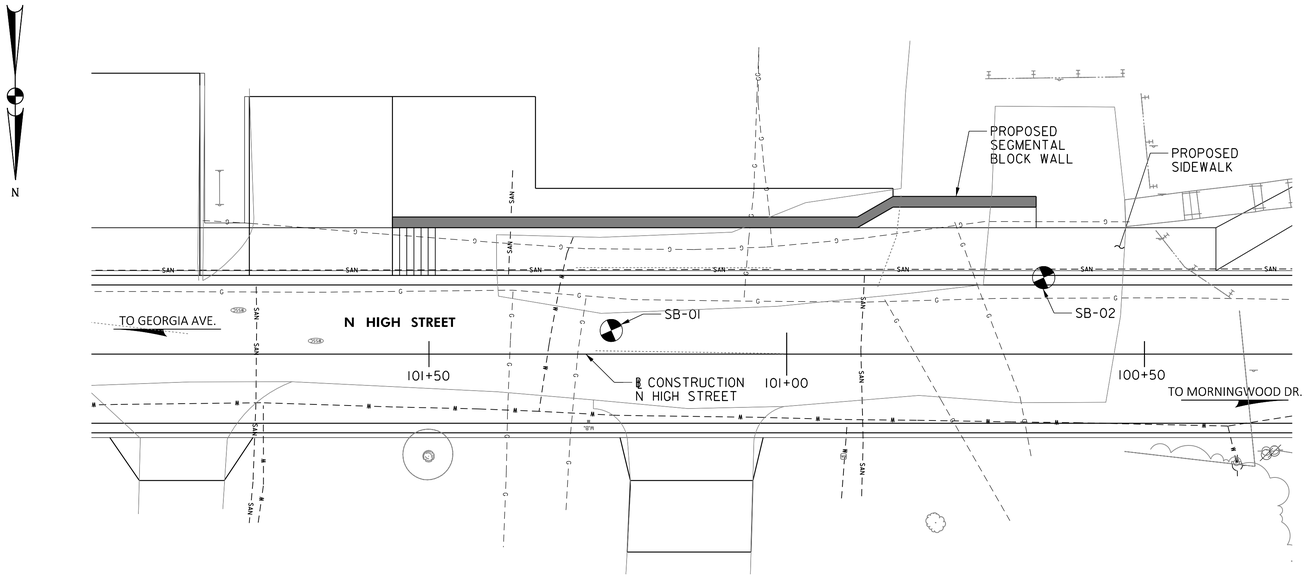


EL.539.18
APPROXIMATE
BOTTOM OF
LEVELING PAD



EL.535.92
APPROXIMATE
BOTTOM OF
LEVELING PAD

BORING AND DRIVE TESTS
NOT TO SCALE



BORING AND DRIVE LOCATION PLAN
SCALE: 1" = 10'-0"

NOTES:

1. THE BORINGS AND DRIVE TESTS WERE DONE ON NOVEMBER 10, 2022 BY DMY ENGINEERING CONSULTANTS, INC.
2. THE BORING LOG SOIL SYMBOLS REFLECT ONLY MAJOR CONSTITUENTS, FOR MORE COMPLETE SOIL CHARACTERISTICS, REFER TO SOIL DESCRIPTIVE TEXT.
3. N= BLOWS ON A 2 INCH OD SPLIT BARREL SAMPLING SPOON BY 140 LB. DRIVE-WEIGHT FALLING 30 INCHES INDICATING SUCCESSIVE 6 INCH INCREMENTS OF PENETRATION. IN LIEU OF BLOWS PER FOOT, PENETRATION LESS THAN 6 INCHES ARE INDICATED BY 50 BLOWS OVER THE NEAREST INCH.
4. BORINGS AND SAMPLINGS CONFORM TO AASHTO DESIGNATIONS T-206, T-225 AND T-306.
5. SOIL HAS BEEN CLASSIFIED VISUALLY BY THE DRILLER.
6. THE INFORMATION PROVIDED IN THE BORING LOGS IS TRUE AND ACCURATE SOLELY FOR THE SPECIFIC LOCATIONS FOR WHICH BORINGS WERE DRILLED AND SOIL PROPERTIES WERE ANALYZED. THE BORING LOGS ARE PRESENTED FOR INFORMATIONAL PURPOSES ONLY.

S-3

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.

NO.	REVISION	DATE	BY

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: BG Checked by: MWM

BORING LOGS AND TEST DRIVES

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

SCALE : NOT TO SCALE DECEMBER 2024

Project No. : 502310 SHEET 28 of 40

12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\Structures\GBR-BL01.N High St.dgn

GENERAL NOTES

Specifications: Latest SHA Specifications and Special Provisions for materials and construction. Latest AASHTO Standard Specifications for Highway Bridges for design.

Materials: Posts and rails shall conform to ASTM F-1083, Schedule 80. Fabric shall be 6 gauge, 2" PVC coated mesh conforming to 1964.D.

All posts, braces, fittings and hardware shall be PVC coated. Coating shall conform to 1964.03 except that nuts, bolts and washers shall also be PVC coated and touched up after installation.

All plates shall be steel conforming to ASTM A 709 Grade 36.

Anchor studs or anchor bolts shall conform to ASTM A 276, Type 430 or Type 304 stainless steel annealed, hot-finished, ultimate strength 70 000 psi min., 20% min. elongation. Threads may be rolled or cut.

Epoxy grout for anchor studs in cored holes shall conform to 902.01.d.

PVC color for all elements of fence shall be black unless otherwise noted.

Constructions: All longitudinal rails shall be parallel to top of wall.

All posts shall be set normal to top of wall for roadway grades 6% or less. For grades over 6% posts shall be set plumb.

The chain link fence shall be true to line, taut, tight fit to top of wall (½" maximum gap) and shall comply with the best practice for fence construction of this type.

Post and rails shall be permanently positioned before fabric is placed.

For post spacing see pertinent structure sheets.

Precoated longitudinal rails, if cut, shall have the cut end coated with PVC touch up material supplied by the manufacturer prior to erection.

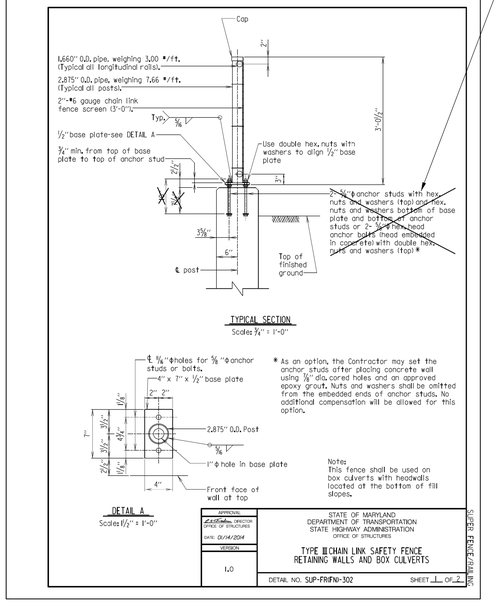
If Contractor elects to place anchor studs after placing concrete wall, newly placed rebars shall be located so that coring does not damage same, all holes shall be cored (not drilled) and the diameter of the cored holes for the anchor studs shall be ⅛".

Measurement and Payment: The furnishing, fabricating, erecting, etc., of all new chain link fence on the retaining wall or culvert headwalls and wing walls, complete in place, will not be measured for payment but all costs thereof shall be included in the Contract lump sum prices for the pertinent Retaining Wall or Box Culvert Item(s).

Any defects uncovered by the inspection of welds on base plates and poles shall be repaired or replaced by new members at no additional cost to the Administration.

APPROVAL	STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
Ed Conlon, DIRECTOR OFFICE OF STRUCTURES DATE: 07/24/2013	CHAIN LINK SAFETY FENCE RETAINING WALLS AND BOX CULVERTS GENERAL NOTES
VERSION: 1.0	DETAIL NO. SUP-FRFN1-301 SHEET 1 OF 1

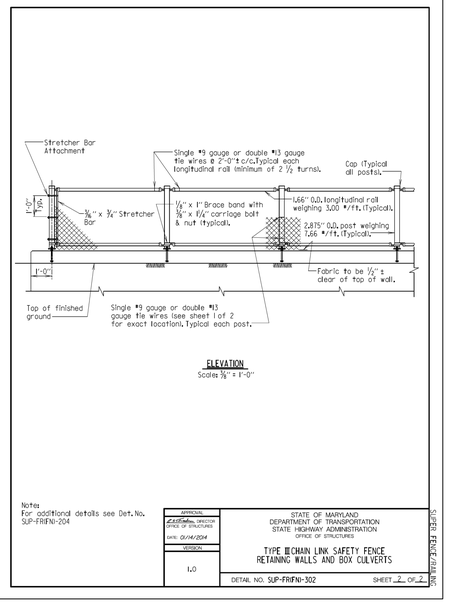
SUPER FENCE FRFN1-301



DRILL AND INSTALL 2-⅝" DIA. GALVANIZED HILTI BOLT TZ2 EXPANSION ANCHORS OR APPROVED EQUAL IN TOP SEGMENTAL BLOCK. THE MAXIMUM EMBEDMENT DEPTH OF THE ANCHORS SHALL BE 6".

APPROVAL	STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
Ed Conlon, DIRECTOR OFFICE OF STRUCTURES DATE: 01/14/2014	TYPE II CHAIN LINK SAFETY FENCE RETAINING WALLS AND BOX CULVERTS
VERSION: 1.0	DETAIL NO. SUP-FRFN1-302 SHEET 1 OF 2

SUPER FENCE FRFN1-302



APPROVAL	STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
Ed Conlon, DIRECTOR OFFICE OF STRUCTURES DATE: 01/14/2014	TYPE II CHAIN LINK SAFETY FENCE RETAINING WALLS AND BOX CULVERTS
VERSION: 1.0	DETAIL NO. SUP-FRFN1-302 SHEET 2 OF 2

SUPER FENCE FRFN1-302

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.

NO.	REVISION	DATE	BY

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: ZK Drawn by: ZK Checked by: MMM

S-4

STANDARD DETAILS

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

SCALE : VARIES DECEMBER 2024

Project No. : 502310 SHEET 29 of 40

12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\Structures\DBR-SD01.N High St.dgn

EROSION AND SEDIMENT CONTROL - GENERAL NOTES

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

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 permittee shall apply *sod, 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 10% and grading has been done to promote sheet flow drainage. Areas brought to finished grade during the seeding season shall be permanently stabilized within seven (7) calendar days of establishment. When property is brought to finished grade during the months of November through February, and permanent stabilization is found to be impractical, an approved temporary seed and straw anchored mulch shall be applied to disturbed areas. The final permanent stabilization of such property shall be completed prior to the following April 15.

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.

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 the 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 areas of existing utilities is permitted unless their location has been determined. Call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work.

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.

SC0003

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.

NO.	REVISION	DATE	BY

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 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

12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\ESC\sES-N001_NORTH HIGH ST.dgn

EROSION AND SEDIMENT CONTROL SEQUENCE OF CONSTRUCTION

1. 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.

   <u>STAGE 1:</u>

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.

   <u>STAGE 2:</u>

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 SEDIEMTN 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.
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.

NO.	REVISION	DATE	BY

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

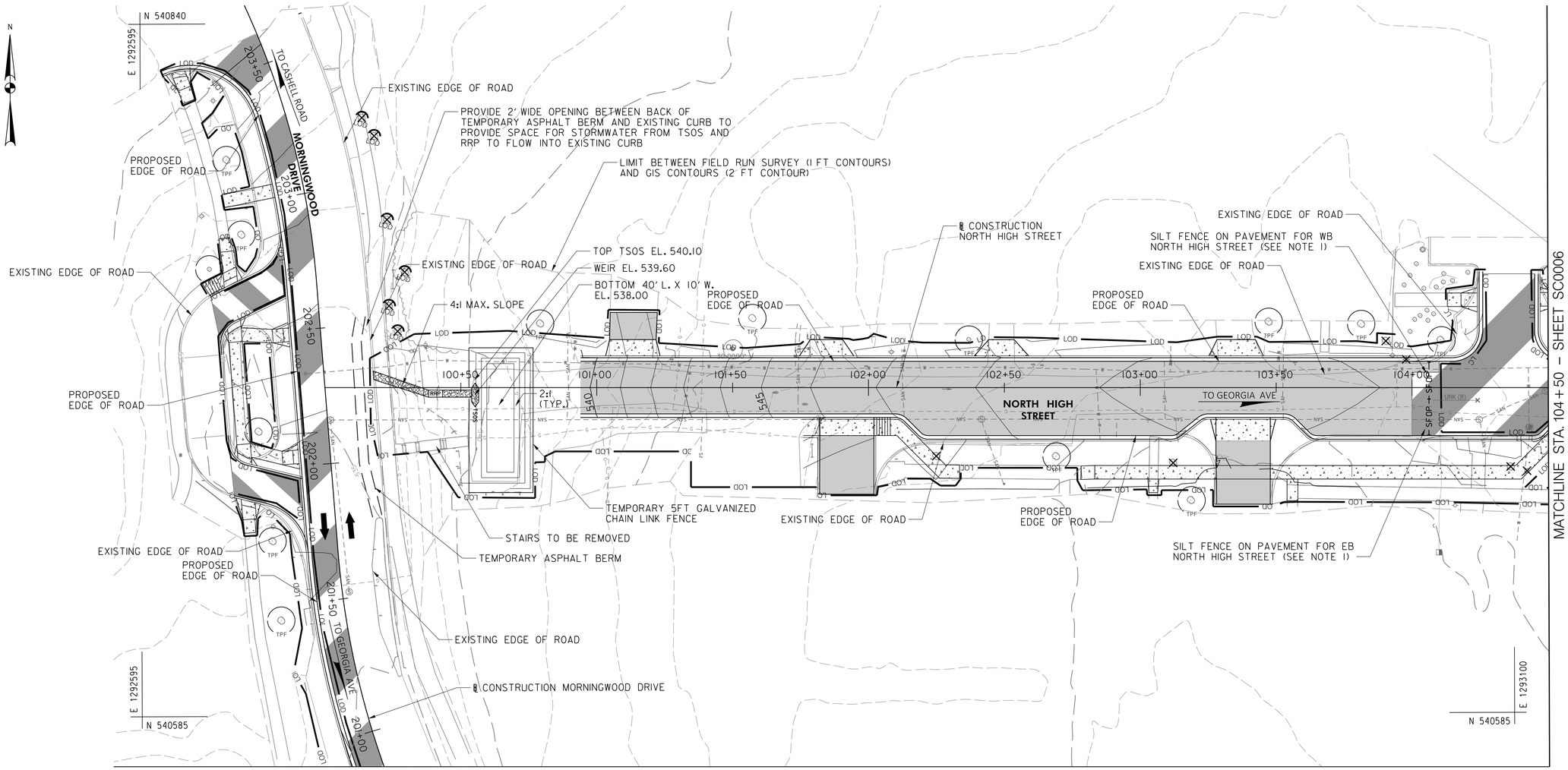
Designed by: MMM Drawn by: MA Checked by: MMM

EROSION AND SEDIMENT CONTROL
SEQUENCE OF CONSTRUCTION
NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE

SCALE : N/A DECEMBER 2024

Project No. : 502310 SHEET 31 of 40

12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\ESC\pES-N002-NORTH HIGH ST.dgn



MATCHLINE STA. 104+50 – SHEET SC0006

MATCHLINE STA. 200+86 – SHEET SC0007

20' 0 20' 40'
SCALE: 1"=20'

PLAN – STAGE 1
SCALE: 1" = 20'

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
	TREE REMOVAL

NOTES:

1. 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.
2. 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

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.

NO.	REVISION	DATE	BY

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: MMM Drawn by: MA Checked by: MMM

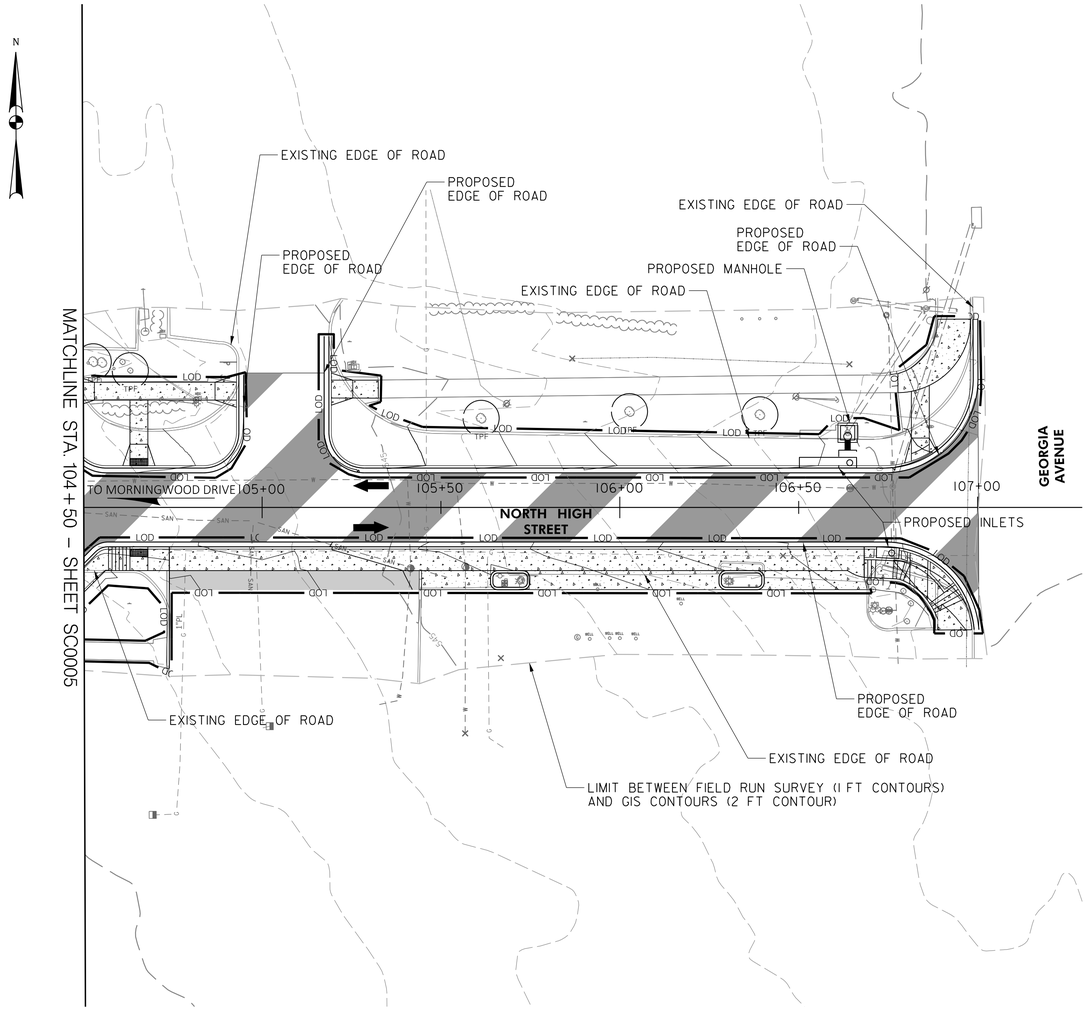
EROSION AND SEDIMENT CONTROL
PLAN – STAGE 1

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

SCALE : 1" = 20'-0" DECEMBER 2024

Project No. : 502310 SHEET 32 of 40

12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\ESC\pES-P001.N High St.dgn



PLAN – STAGE 1
SCALE: 1" = 20'

20' 0 20' 40'
SCALE: 1"=20'

LEGEND:

LOD — LIMITS OF DISTURBANCE

TPF — TREE PROTECTION FENCE

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.

SC0006

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.

NO.	REVISION	DATE	BY

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: MMM Drawn by: MA Checked by: MMM

EROSION AND SEDIMENT CONTROL
PLAN – STAGE 1

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

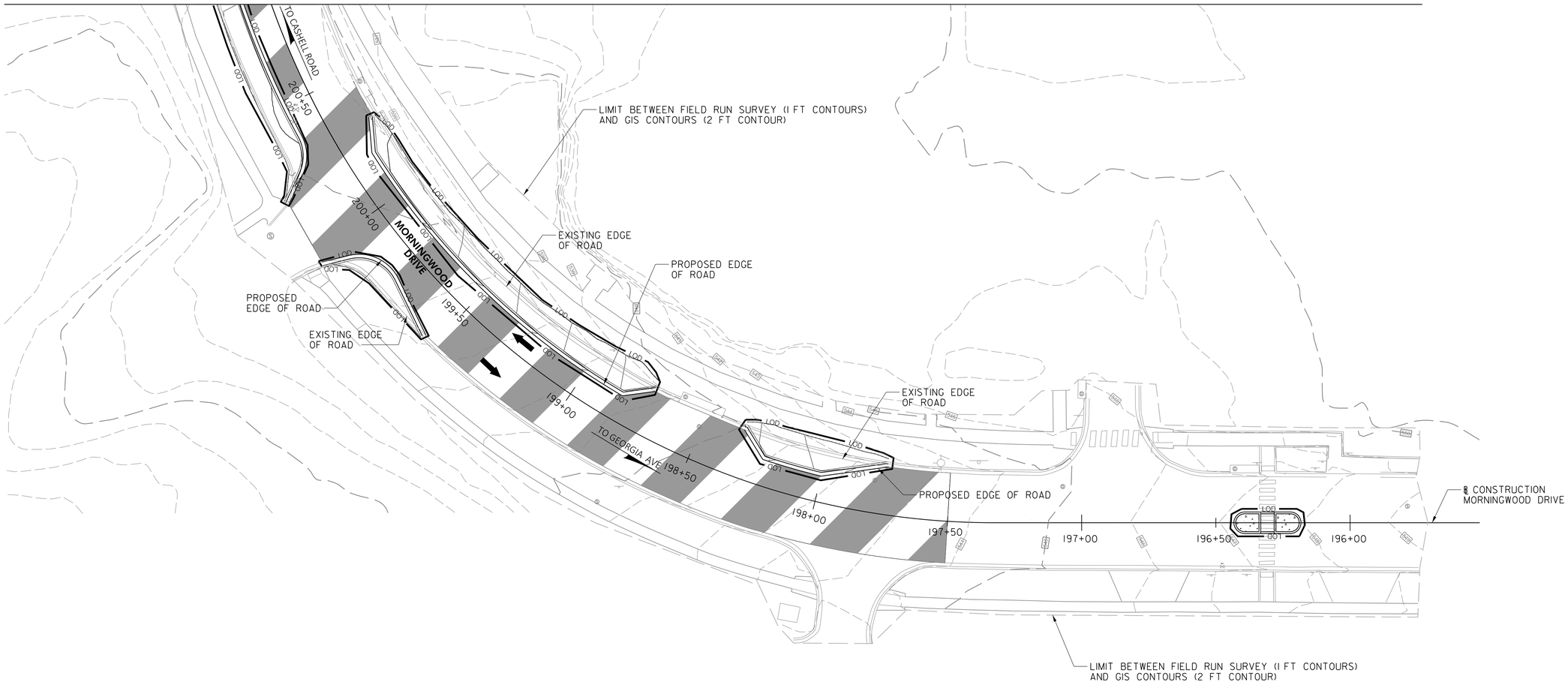
SCALE : 1" = 20'-0" DECEMBER 2024

Project No. : 502310 SHEET 33 of 40

12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\ESC\pES-P002_N High St.dgn

N

MATCHLINE STA. 200+86 – SHEET SC0005



LEGEND:

LOD — LIMITS OF DISTURBANCE

20′ 0 20′ 40′

SCALE: 1"=20′

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

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.

NO.	REVISION	DATE	BY

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: MMM Drawn by: MA Checked by: MMM

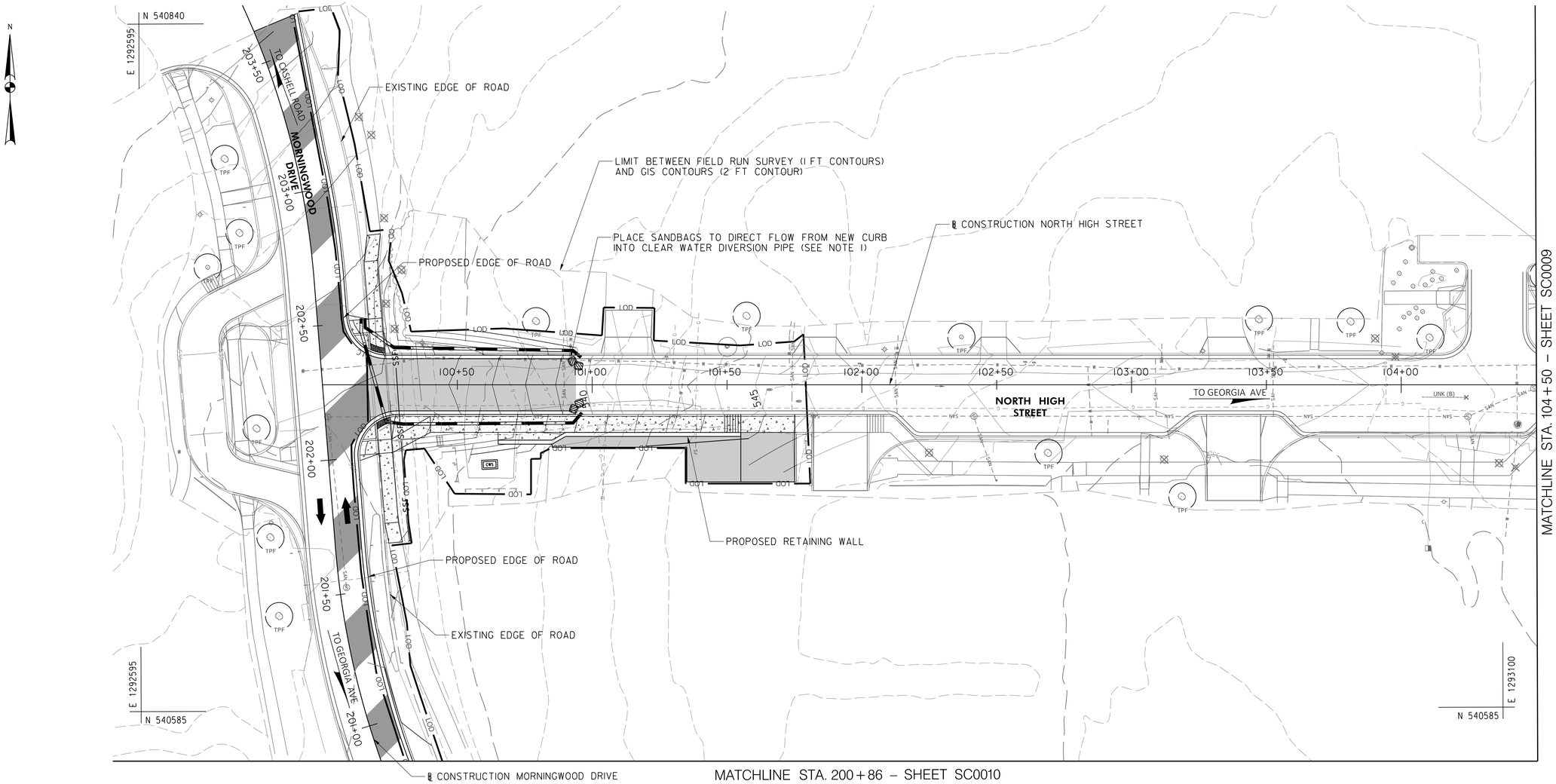
EROSION AND SEDIMENT CONTROL
PLAN – STAGE 1

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

12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\ESC\pES-P003.N High St.dgn



LEGEND:

- LOD — LIMITS OF DISTURBANCE
- CWS — CONCRETE WASHOUT STRUCTURE
- 12" CLEAR WATER DIVERSION PIPE
- SSF — SUPER SILT FENCE
- TPF — TREE PROTECTION FENCE
- TREE REMOVAL

PLAN – STAGE 2
SCALE: 1" = 20'

20' 0 20' 40'
SCALE: 1"=20'

NOTES:

1. SANDBAGS SHALL NOT BE MEASURED BUT SHALL BE INCLUDED IN THE UNIT COST OF THE 12" CLEAR WATER DIVERSION PIPE PAY ITEM.
2. 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.

SC0008

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.

NO.	REVISION	DATE	BY

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

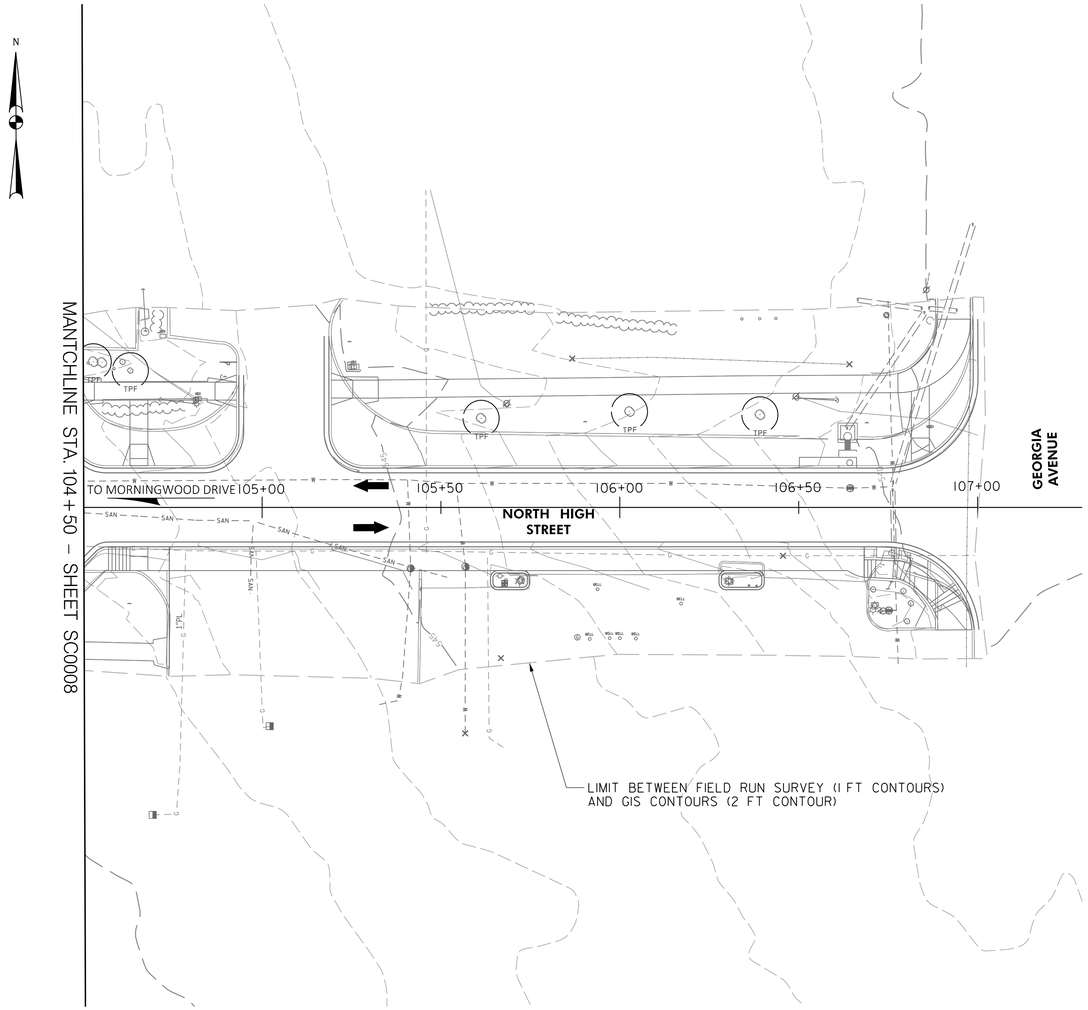
Designed by: MWM Drawn by: MA Checked by: MWM

EROSION AND SEDIMENT CONTROL
PLAN – STAGE 2
NORTH HIGH STREET EXTENDED FROM GEORGIA AVENUE (MD 97) TO MORNINGWOOD DRIVE

SCALE : 1" = 20'-0" DECEMBER 2024

Project No. : 502310 SHEET 35 of 40

12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\ESC\pES-P004.N High St.dgn



PLAN – STAGE 2
SCALE: 1" = 20'

20' 0 20' 40'
SCALE: 1"=20'

NOTES:

1. NO WORK IS PERFORMED IN THIS STAGE FOR LIMITS SHOWN ON THIS SHEET.

LEGEND:

LOD — LIMITS OF DISTURBANCE

SC0009

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.

NO.	REVISION	DATE	BY

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: MMM Drawn by: MA Checked by: MMM

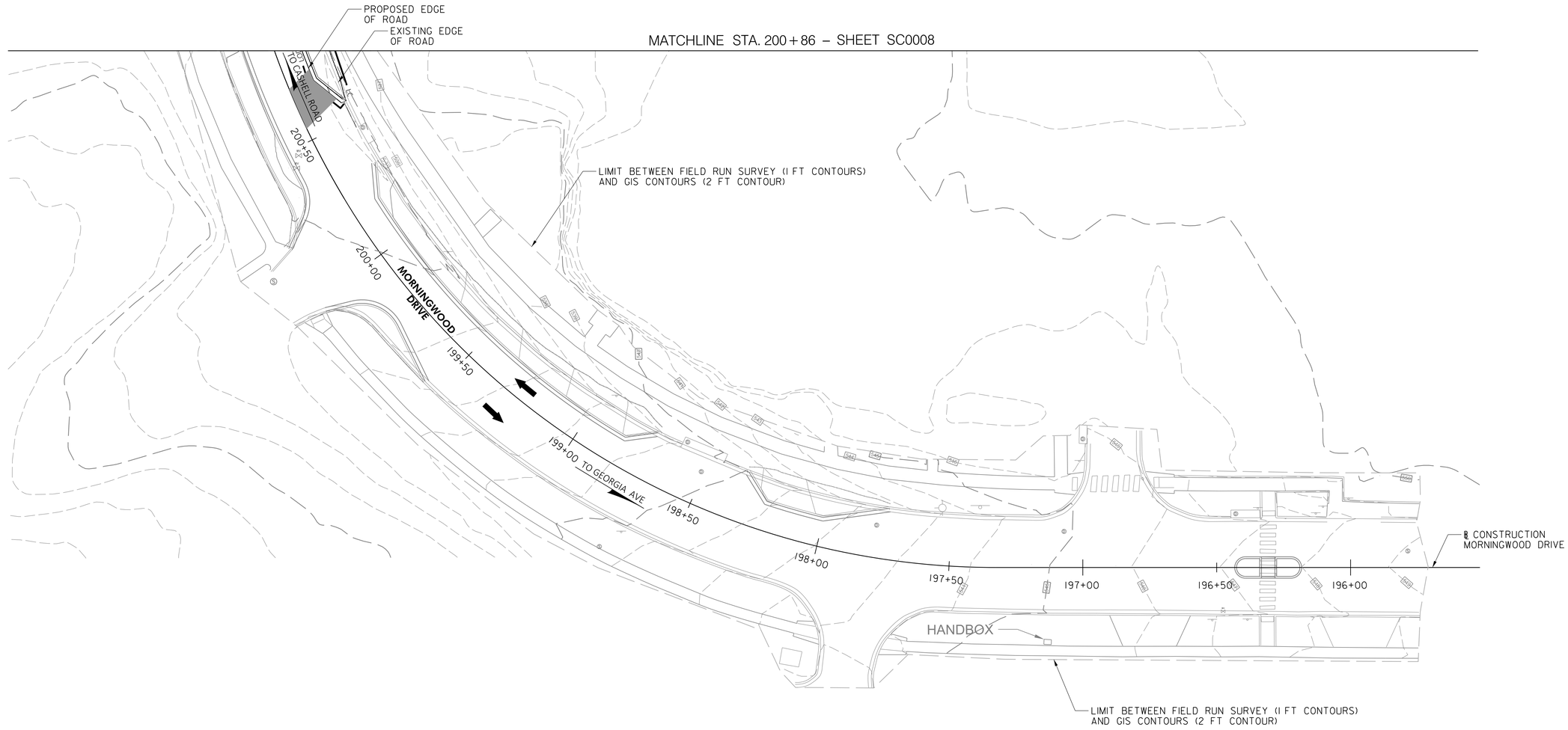
EROSION AND SEDIMENT CONTROL
PLAN – STAGE 2

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

SCALE : 1" = 20'-0" DECEMBER 2024

Project No. : 502310 SHEET 36 of 40

12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\ESC\pES-P005_N High St.dgn



LEGEND:

LOD — LIMITS OF DISTURBANCE

20′ 0 20′ 40′
SCALE: 1"=20′

PLAN – STAGE 2
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.

SC0010

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.

NO.	REVISION	DATE	BY

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: MMM Drawn by: MA Checked by: MMM

EROSION AND SEDIMENT CONTROL
PLAN – STAGE 2

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

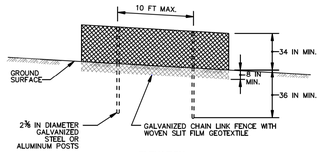
SCALE : 1" = 20'-0" DECEMBER 2024

Project No. : 502310 SHEET 37 of 40

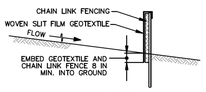
12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\ESC\pES-P006_N High St.dgn

DETAIL E-3 SUPER SILT FENCE

STANDARD SYMBOL: SSF



ELEVATION



CROSS SECTION

CONSTRUCTION SPECIFICATIONS

1. INSTALL 2⅛ INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND SIX FOOT LENGTH SPACED NO FURTHER THAN 10 FEET APART. DRIVE THE POSTS A MINIMUM OF 36 INCHES INTO THE GROUND.
2. FASTEN 9 GAUGE OR HEAVIER GALVANIZED CHAIN LINK FENCE (1¾ INCH MAXIMUM OPENING) 42 INCHES IN HEIGHT SECURELY TO THE FENCE POSTS WITH WIRE TIES OR HOG RINGS.
3. FASTEN WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H–1 MATERIALS, SECURELY TO THE UPSLOPE SIDE OF CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 8 INCHES INTO THE GROUND.
4. WHERE ENDS OF THE GEOTEXTILE COME TOGETHER, THE ENDS SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED TO PREVENT SEDIMENT BY PASS.
5. EXTEND BOTH ENDS OF THE SUPER SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SUPER SILT FENCE.
6. PROVIDE MANUFACTURER CERTIFICATION TO THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H–1 MATERIALS.
7. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL CHAIN LINK FENCING AND GEOTEXTILE.

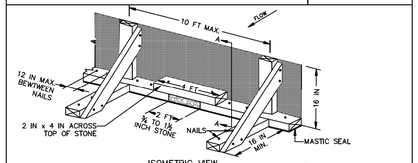
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

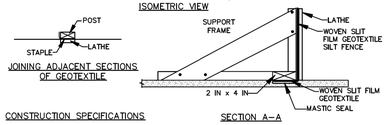
E.7

DETAIL E-2 SILT FENCE ON PAVEMENT

STANDARD SYMBOL: SFOP



ISOMETRIC VIEW



JOINING ADJACENT SECTIONS OF GEOTEXTILE

SECTION A–A

CONSTRUCTION SPECIFICATIONS

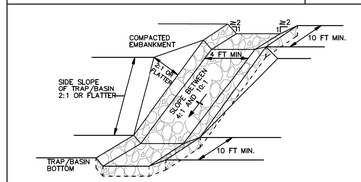
1. USE NOMINAL 2 INCH X 4 INCH LUMBER.
2. USE WOVEN SLIT FILM GEOTEXTILE, AS SPECIFIED IN SECTION H–1 MATERIALS.
3. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H–1 MATERIALS.
4. SPACE UPRIGHT SUPPORTS NO MORE THAN 10 FEET APART.
5. PROVIDE A TWO FOOT OPENING BETWEEN EVERY SET OF SUPPORTS AND PLACE STONE IN THE OPENING OVER GEOTEXTILE.
6. KEEP SILT FENCE TAUT AND SECURELY STAPLE TO THE UPSLOPE SIDE OF UPRIGHT SUPPORTS.
7. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, FOLD, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL. ATTACH LATHE.
8. PROVIDE A MASTIC SEAL BETWEEN PAVEMENT, GEOTEXTILE, AND 2x4 TO PREVENT SEDIMENT–LADEN WATER FROM ESCAPING BENEATH SILT FENCE INSTALLATION.
9. SECURE BOARDS TO PAVEMENT WITH 40D 5 INCH MINIMUM LENGTH NAILS.
10. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. MAINTAIN WATER TIGHT SEAL ALONG BOTTOM. REPLACE STONE IF DISPLACED.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

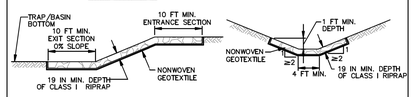
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL D-3-1 RIPRAP INFLOW PROTECTION

STANDARD SYMBOL: RRP



ISOMETRIC VIEW



PROFILE ALONG CENTERLINE

CROSS SECTION

CONSTRUCTION SPECIFICATIONS

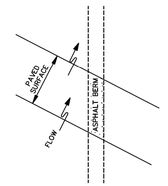
1. PROVIDE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H–1 MATERIALS, UNDER THE BOTTOM AND ALONG SIDES OF ALL RIPRAP.
2. CONSTRUCT INFLOW CHANNEL WITH CLASS I RIPRAP OR EQUIVALENT RECYCLED CONCRETE LINING TO A MINIMUM DEPTH OF 19 INCHES (2 x D_{50}) AND A 1 FOOT DEEP FLOW CHANNEL. INFLOW RIPRAP PROTECTION CHANNEL MUST HAVE A TRAPEZOIDAL CROSS SECTION WITH 2:1 OR FLATTER SIDE SLOPES AND A 4 FOOT MINIMUM BOTTOM WIDTH.
3. INSTALL ENTRANCE AND EXIT SECTIONS AS SHOWN ON THE PROFILE.
4. BLEND RIPRAP INTO EXISTING GROUND.
5. MAINTAIN LINE, GRADE, AND CROSS SECTION. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. KEEP POINTS OF INFLOW AND OUTFLOW FREE OF EROSION.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

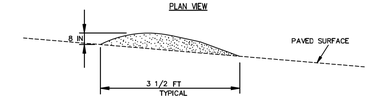
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL C-5 TEMPORARY ASPHALT BERM

STANDARD SYMBOL: TAB



PLAN VIEW



CROSS SECTION

CONSTRUCTION SPECIFICATIONS

1. CONSTRUCT BERM ON AN UNINTERRUPTED, CONTINUOUS GRADE.
2. INSTALL BERM TO CONFORM TO CROSS SECTION DIMENSIONS OF A UNIFORM HEIGHT OF 8 INCHES MINIMUM AND APPROXIMATE WIDTH OF 3½ FEET.
3. PROVIDE OUTLET PROTECTION AS REQUIRED ON PLAN.
4. COMPACT ASPHALT BERM.
5. REPAIR DAMAGED ASPHALT. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE.
6. UPON REMOVAL OF ASPHALT BERM, RETURN TO ORIGINAL CONDITIONS OR AS SPECIFIED ON APPROVED PLAN.

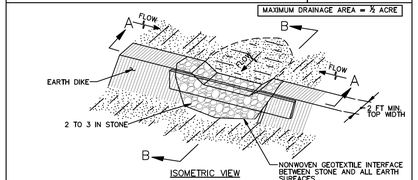
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

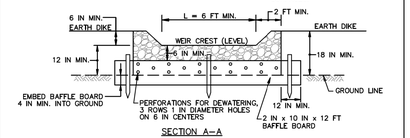
DETAIL E-7 TEMPORARY STONE OUTLET STRUCTURE

STANDARD SYMBOL: TSOS

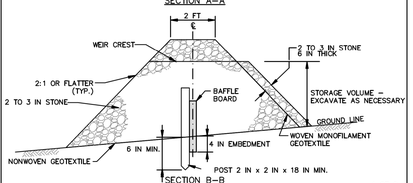
MAXIMUM DRAINAGE AREA = ½ ACRE



ISOMETRIC VIEW



SECTION A–A



SECTION B–B

1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-7 TEMPORARY STONE OUTLET STRUCTURE

STANDARD SYMBOL: TSOS

CONSTRUCTION SPECIFICATIONS

1. PROVIDE STORAGE VOLUME AS SPECIFIED ON APPROVED PLANS.
2. USE NONWOVEN GEOTEXTILE ON INTERFACE BETWEEN GROUND AND STONE.
3. PERFORATE BAFFLE BOARD WITH 3 ROWS OF 1 INCH DIAMETER HOLES 6 INCHES ON CENTER, EMBED A MINIMUM OF 4 INCHES INTO GROUND, AND EXTEND BAFFEL BOARD MINIMUM OF 12 INCHES INTO EARTH DIKE.
4. USE CLEAN 2 TO 3 INCH STONE OR EQUIVALENT RECYCLED CONCRETE. PLACE WOVEN MONOFILAMENT GEOTEXTILE ON UPSTREAM FACE AND COVER WITH A MINIMUM OF 6 INCHES OF ADDITIONAL STONE.
5. USE NONWOVEN AND WOVEN MONOFILAMENT GEOTEXTILES AS SPECIFIED IN SECTION H–1 MATERIALS.
6. SET WEIR CREST OF STONE 6 INCHES LOWER THAN THE TOP OF EARTH DIKE. USE MINIMUM LENGTH OF 6 FEET FOR WEIR CREST.
7. REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO WITHIN 6 INCHES OF WEIR CREST. REPLACE GEOTEXTILE AND STONE FACING WHEN STRUCTURE CEASES TO DRAIN. MAINTAIN LINE, GRADE, AND CROSS SECTION.
8. UPON REMOVAL OF STONE OUTLET STRUCTURE, GRADE AREA FLUSH WITH EXISTING GROUND. WITHIN 24 HOURS STABILIZE DISTURBED AREA WITH TOPSOIL, SEED, AND MULCH, OR AS SPECIFIED ON APPROVED PLAN.

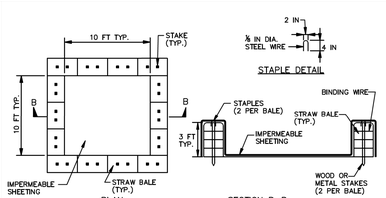
2 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL H-6 ONSITE CONCRETE WASHOUT STRUCTURE

STANDARD SYMBOL: CWS



WASHOUT STRUCTURE WITH STRAW BALES

CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET–VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

2 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

H.25

SC0011

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.

NO.	REVISION	DATE	BY

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: MWM

EROSION AND SEDIMENT CONTROL STANDARD DETAILS

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

SCALE NOT TO SCALE — DECEMBER 2024

Project No. : 502310 — SHEET 38 of 40

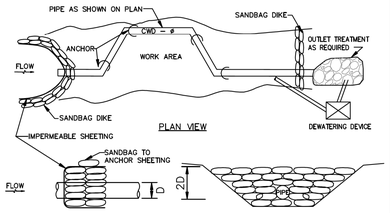
12/12/2024
P:\Projects\1908\1908.27 North High Street\10 CADD\ESC\pES-D001_NORTH HIGH ST.dgn

DETAIL C-6 CLEAR WATER DIVERSION PIPE

STANDARD SYMBOL

CWD – 12

DESIGNATION CWD=12 REFERS TO 12 INCH CLEAR WATER DIVERSION.



CONSTRUCTION SPECIFICATIONS

1. FLEXIBLE PIPE IS PREFERRED. HOWEVER, CORRUGATED METAL PIPE OR EQUIVALENT PVC PIPE CAN BE USED. MAKE ALL JOINTS WATERTIGHT.
2. FOR SANDBAGS USE MATERIALS THAT ARE RESISTANT TO ULTRA–VIOLENT RADIATION, TEARING, AND PUNCTURE AND WOVEN TIGHTLY ENOUGH TO PREVENT LEAKAGE OF FILL MATERIAL.
3. USE 10 MIL OR THICKER, UV RESISTANT, IMPERMEABLE SHEETING OR OTHER APPROVED MATERIAL THAT IS IMPERMEABLE AND RESISTANT TO PUNTURING AND TEARING.
4. PLACE IMPERMEABLE SHEETING SUCH THAT UPGRADE PORTION OVERLAPS DOWNGRADE PORTION BY A MINIMUM OF 18 INCHES.
5. SET HEIGHT OF SANDBAG DIKE AT TWICE THE PIPE DIAMETER. MAINTAIN HEIGHT ALONG LENGTH OF SANDBAG DIKE. PLACE DOUBLE ROW OF SANDBAGS.
6. AT A MINIMUM, SECURELY ANCHOR DIVERSION PIPE AT EACH DOWNGRADE JOINT.
7. SET OUTLET END OF DIVERSION PIPE LOWER THAN INLET END.
8. PROVIDE OUTLET PROTECTION AS REQUIRED ON APPROVED PLAN.
9. DEWATER WORK AREA USING AN APPROVED EROSION AND SEDIMENT CONTROL PRACTICE AS SPECIFIED ON APPROVED PLAN.
10. KEEP POINT OF DISCHARGE FREE OF EROSION. MAINTAIN WATER TIGHT CONNECTIONS AND POSITIVE DRAINAGE. REPLACE SANDBAGS AND IMPERMEABLE SHEETING IF TORN.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

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.

NO.	REVISION	DATE	BY

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: MWM

SC0012

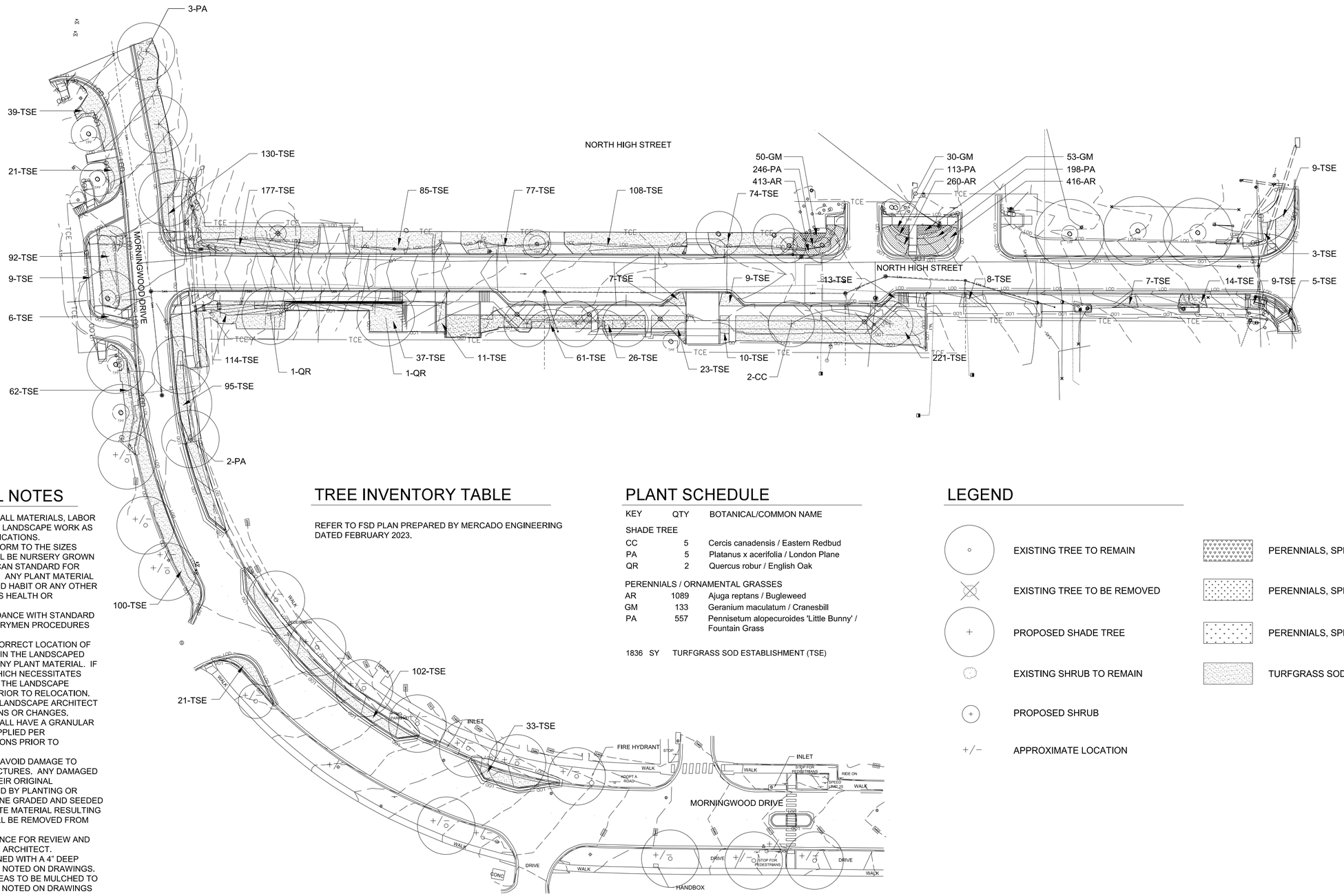
EROSION AND SEDIMENT CONTROL STANDARD DETAILS

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

SCALE NOT TO SCALE — DECEMBER 2024

Project No. : 502310 — SHEET 39 of 40

12/12/2024
P:\Projects\1908\1908_27 North High Street\10 CADD\ESC\deS-0002_NORTH HIGH St.dgn



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

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

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:_____

MAHAN RYKIEL
LANDSCAPE ARCHITECTURE
URBAN DESIGN & PLANNING

NO.	REVISION	DATE	BY

MONTGOMERY COUNTY
DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

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

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

LANDSCAPE PLAN

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

SCALE : 1" = 30' DECEMBER 2024

Project No. : 502310 SHEET 40 of 40

${getvar, "dwgprefix"}${getvar, "dwgname"}
${edtime, 0, MON DD,".." YYYY - H:MMam/pm}