

Attachment A

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION NORTH HIGH STREET EXTENDED FROM GEORGIA AVENUE (MD 97) TO MORNINGWOOD DRIVE TO MORNINGWOOD DRIVE

C. I. P. PROJECT 502310

PRELIMINARY (35%) DESIGN PLANS

IT IS THE RESPONSIBILITY OF PERMITTEE/OWNER OF THIS SITE TO OBTAIN ALL REQUIRED PERMITS PRIOR TO ISSUANCE OF APPROVED SEDIMENT CONTROL PERMIT.

TYPE OF PERMIT	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				
N.P.D.E.S. NOTICE OF INTENT	X				
M.C.D.P.S. STORMWATER MANAGEMENT	X		289596		
M.C.D.P.S. SEDIMENT CONTROL	X		289596		
FEMA LOWP (REQUIRED POST CONSTRUCTION)		X			
OTHERS: (PLEASE LIST)					
SHA ACCESS PERMIT	X				

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

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

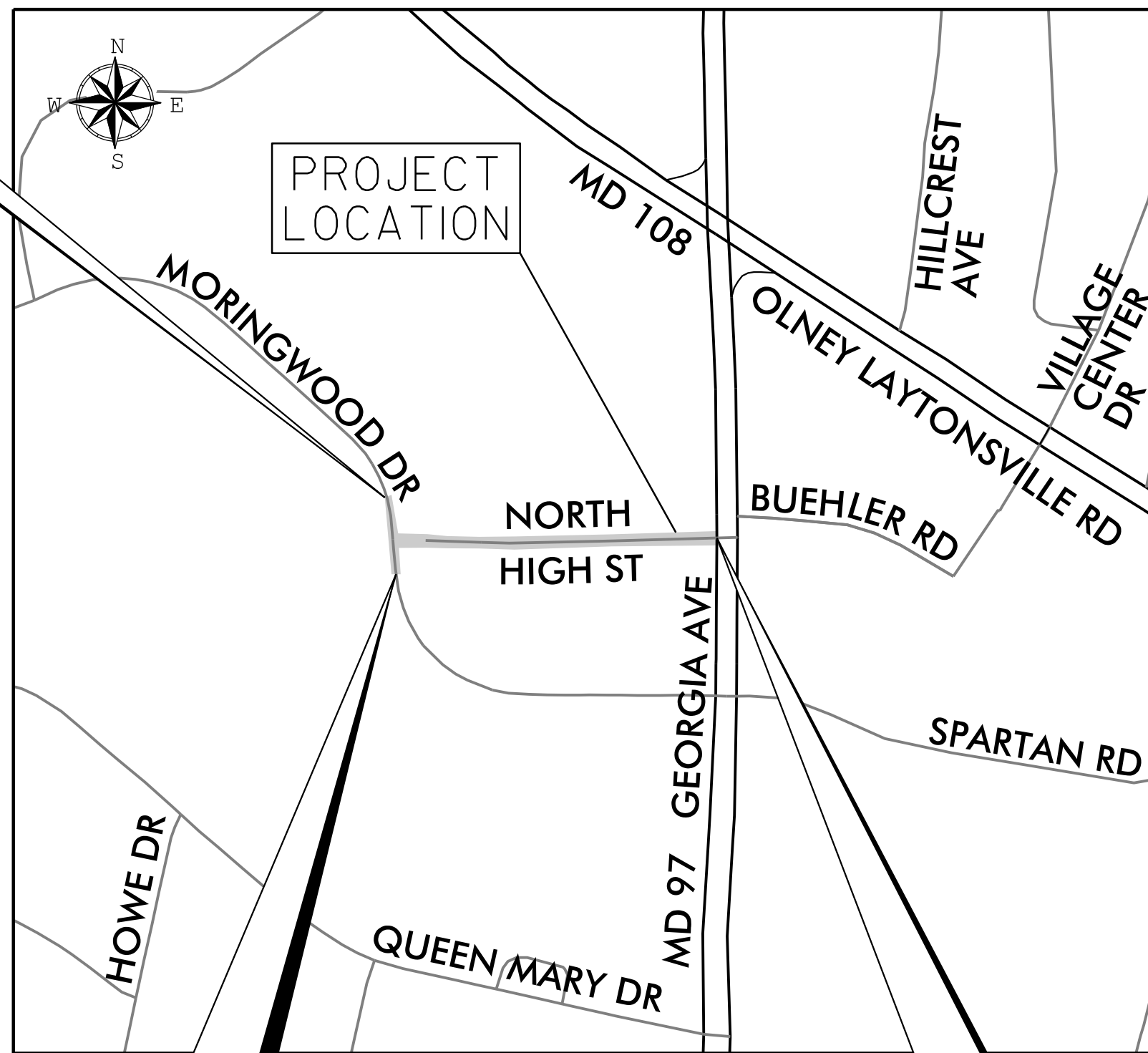
JASON D. COSLER, P.E.
MD REGISTRATION NO. 28467

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
MORNINGWOOD DRIVE
STA. 200+60

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

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

- ### GENERAL NOTES
- THE SPECIFICATIONS FOR THIS CONTRACT WILL BE THOSE OF THE LATEST EDITION OF THE MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION. THE MARYLAND DEPARTMENT 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.
 - HORIZONTAL DATUM: NAD 83(1991) VERTICAL DATUM: NAVD 88.
 - TYPES OF STORM DRAIN STRUCTURES REFER TO THE "DESIGN STANDARDS" OF MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION, UNLESS OTHERWISE NOTED.
 - 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.
 - ALL STORM DRAIN PIPE SHALL BE INSTALLED WITH CLASS "C" BEDDING UNLESS OTHERWISE SPECIFIED.
 - 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.
 - 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.
 - 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.
 - CLEARING IS TO BE LIMITED TO THE "LIMIT OF GRADING" AS SHOWN ON THE PLANS.
 - ALL GRADING SHALL BE DONE IN SUCH A MANNER AS TO PROVIDE POSITIVE DRAINAGE.
 - DISTURBED AREAS ADJACENT TO ESTABLISHED LAWNS SHALL BE SOEDED. OTHER DISTURBED AREAS SHALL BE SEEDED AND MULCHED.
 - 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.
 - 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 301-206-9772.
 - ALL UTILITY POLES NOTED FOR RELOCATION SHALL BE PERFORMED BY OTHERS.
 - PRIOR TO VEGETATIVE STABILIZATION, ALL DISTURBED AREAS MUST BE TOPSOILED PER THE MONTGOMERY COUNTY "STANDARDS AND SPECIFICATIONS FOR TOPSOIL".
 - 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.

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 MORNINGWOOD DRIVE	
SCALE : NTS	FEBRUARY 2024
Project No. : 502310	SHEET 01 of 21

INDEX OF SHEETS

SHEET NO.	DRAWING DESCRIPTION
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3	HT-01 - ROADWAY TYPICAL SECTIONS
4	GS-01 - GEOMETRY LAYOUT
5	HD-01 - ROADWAY PLAN
6	HP-01 - ROADWAY PROFILE
7	RW-01 - RETAINING WALL GENERAL PLAN AND ELEVATION
8	LD-01 - LANDSCAPE PLAN
9-21	CROSS SECTIONS

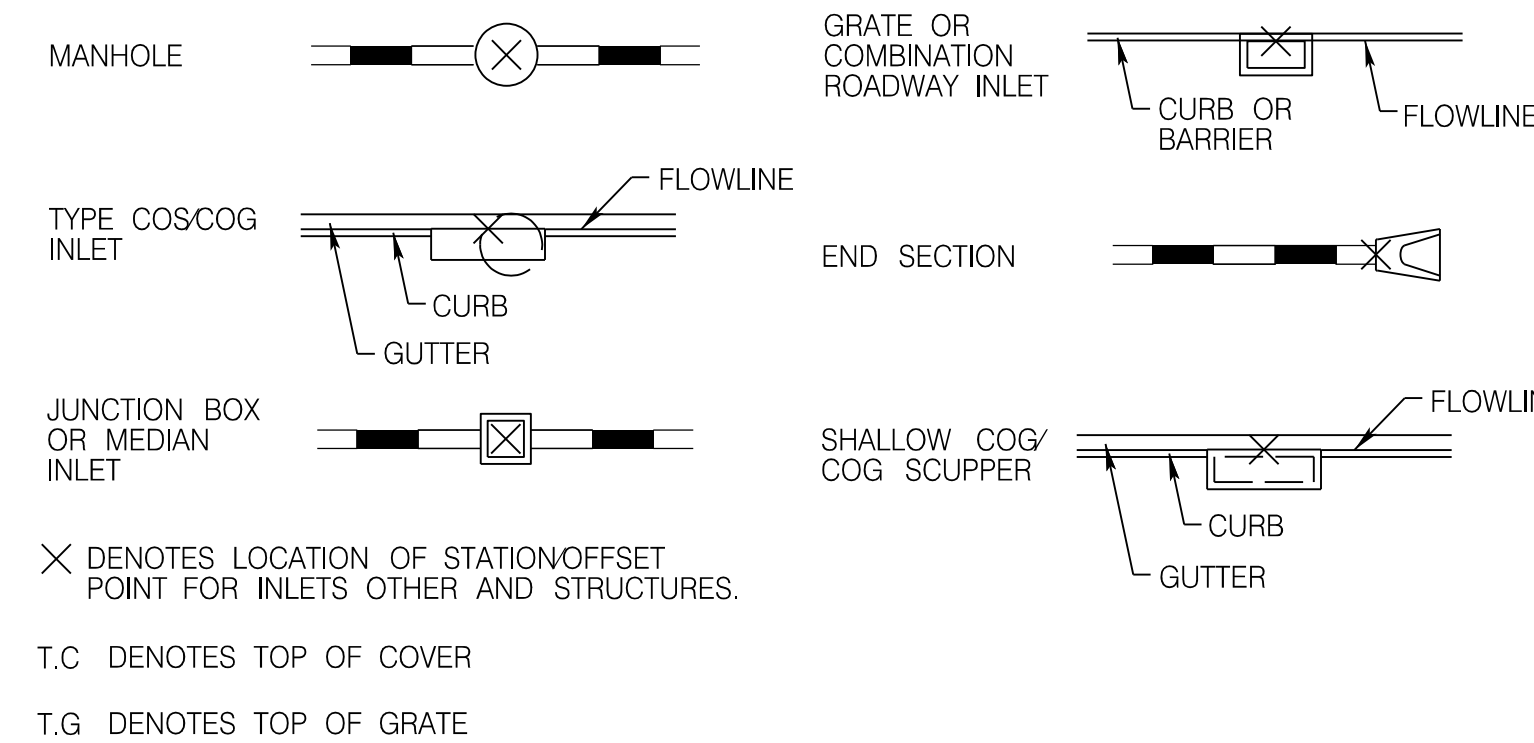
ABBREVIATIONS

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

LEGEND

	TELEPHONE MANHOLE		EXISTING W-BEAM
	WATER METER		PROPOSED W-BEAM
	WATER VALVE		WETLAND BUFFER
	SEWER MANHOLE		WETLAND
	STORM DRAIN MANHOLE		PROPOSED FENCE
	GAS VALVE		EXISTING CHAINLINK FENCE
	SIGN		INDEX CONTOUR
	LIGHT POLE		INTERVAL CONTOUR
	UTILITY POLE		TOP OF CUT
	FIRE HYDRANT		TOE OF FILL
	TREE		EXISTING RIGHT OF WAY LINE
	BORING		LIMIT OF DISTURBANCE
	INLET (COG, GRATE)		TEMPORARY CONSTRUCTION EASEMENT
	MANHOLE		PERPETUAL EASEMENT
	TEST PIT		OVERHEAD ELECTRIC LINES
	TRAVERSE POINT		OVERHEAD TELEPHONE LINES
	EXISTING TRAFFIC FLOW ARROW		UNDERGROUND COMMUNICATION LINES
	PROPOSED FLOW ARROW		UNDERGROUND ELECTRIC LINES
	MDOT SHA STANDARD END SECTION		FIBER OPTIC LINES
	MDOT SHA TYPE K INLET		STORM DRAIN
	MDOT SHA PRECAST MANHOLE		
	MDOT SHA MODIFIED SHALLOW COG INLET		
	MDOT SHA STANDARD COG INLET		

DRAINAGE STRUCTURE STAKEOUT LOCATION



DRAINAGE BUBBLES (SAMPLES)

INLET	
MANHOLE	
JUNCTION BOX	
FIELD CONNECTION	
BEND	
END SECTION	
END WALL	
ADJUST EX. STRUCTURE	

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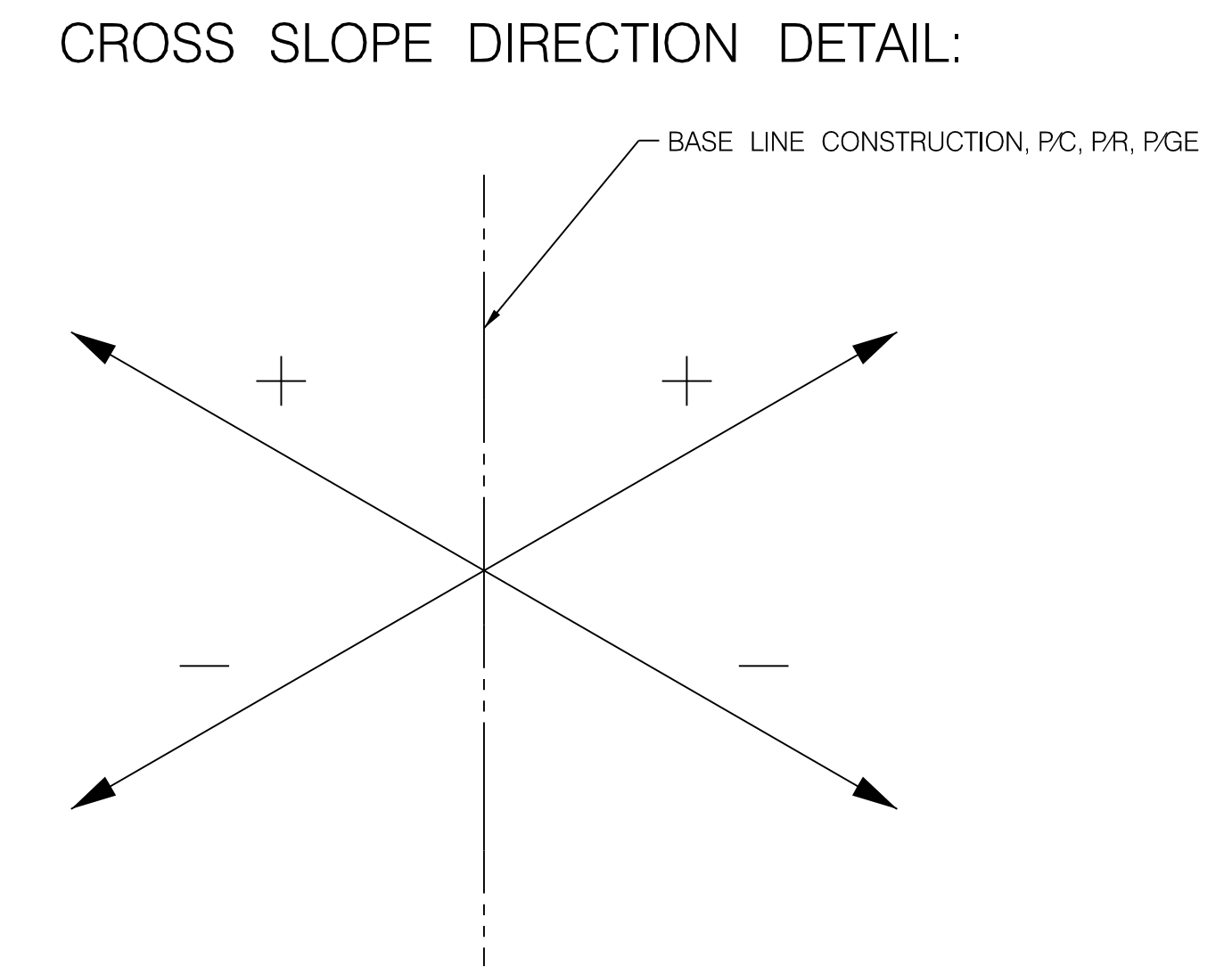
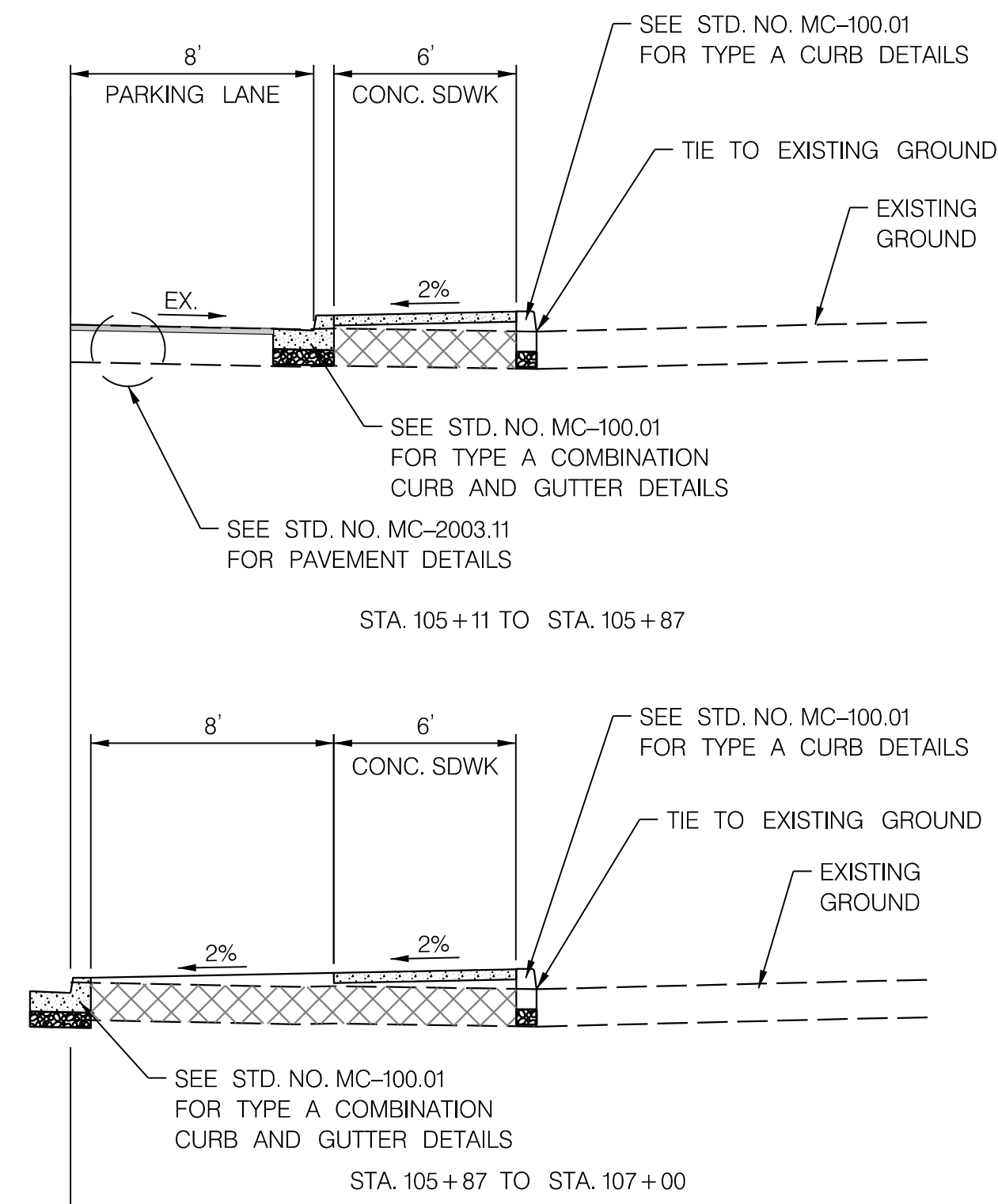
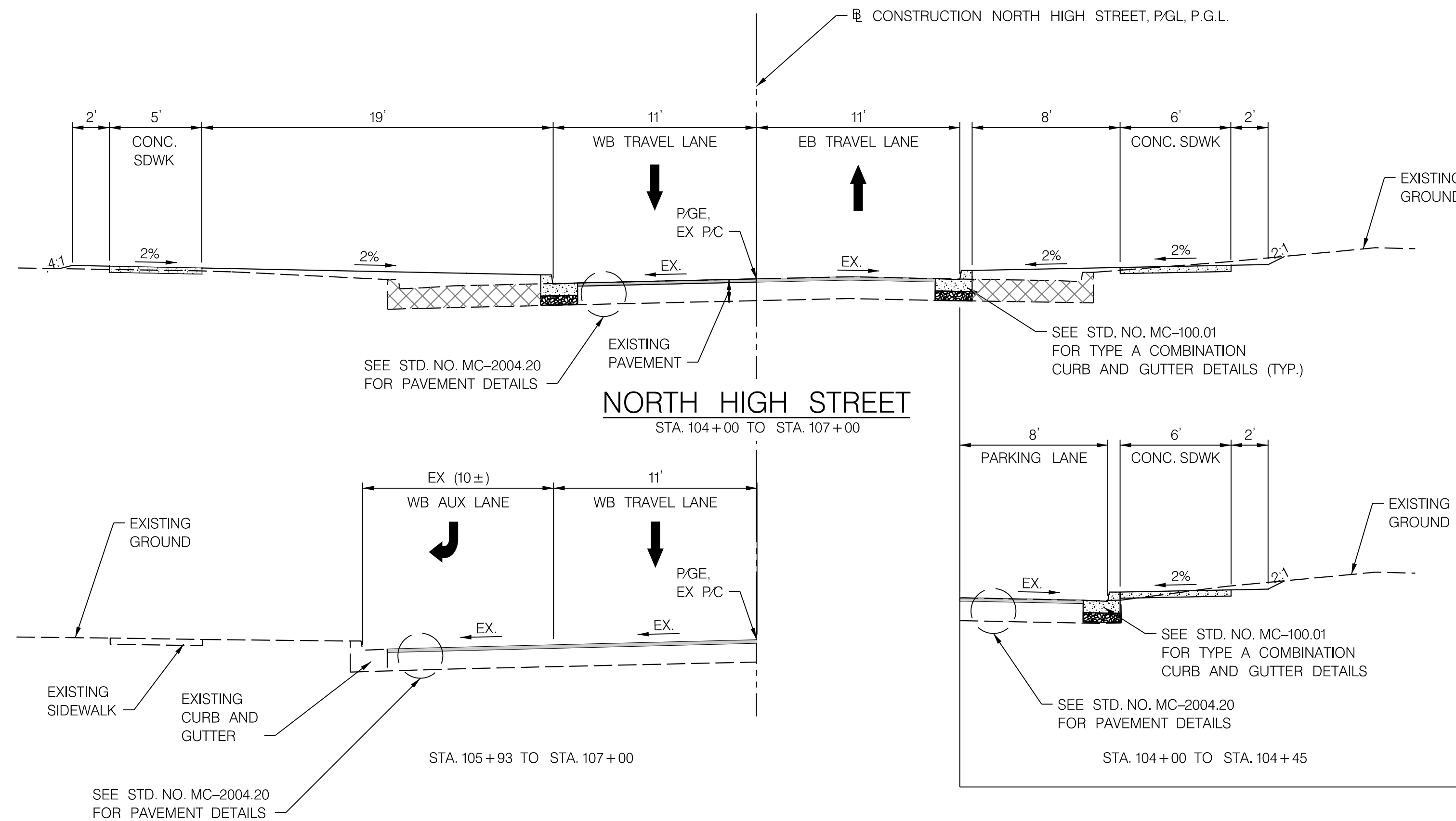
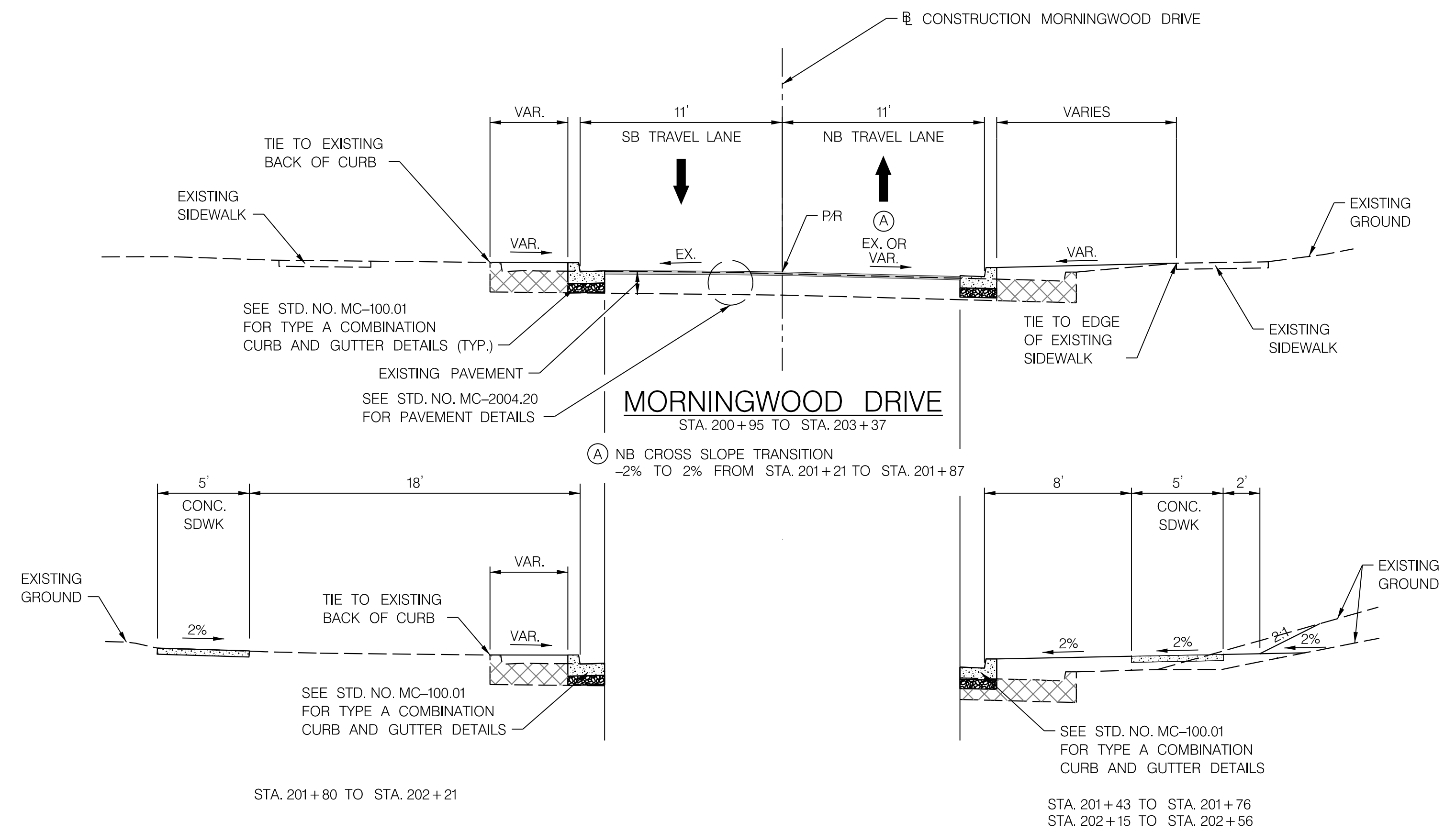
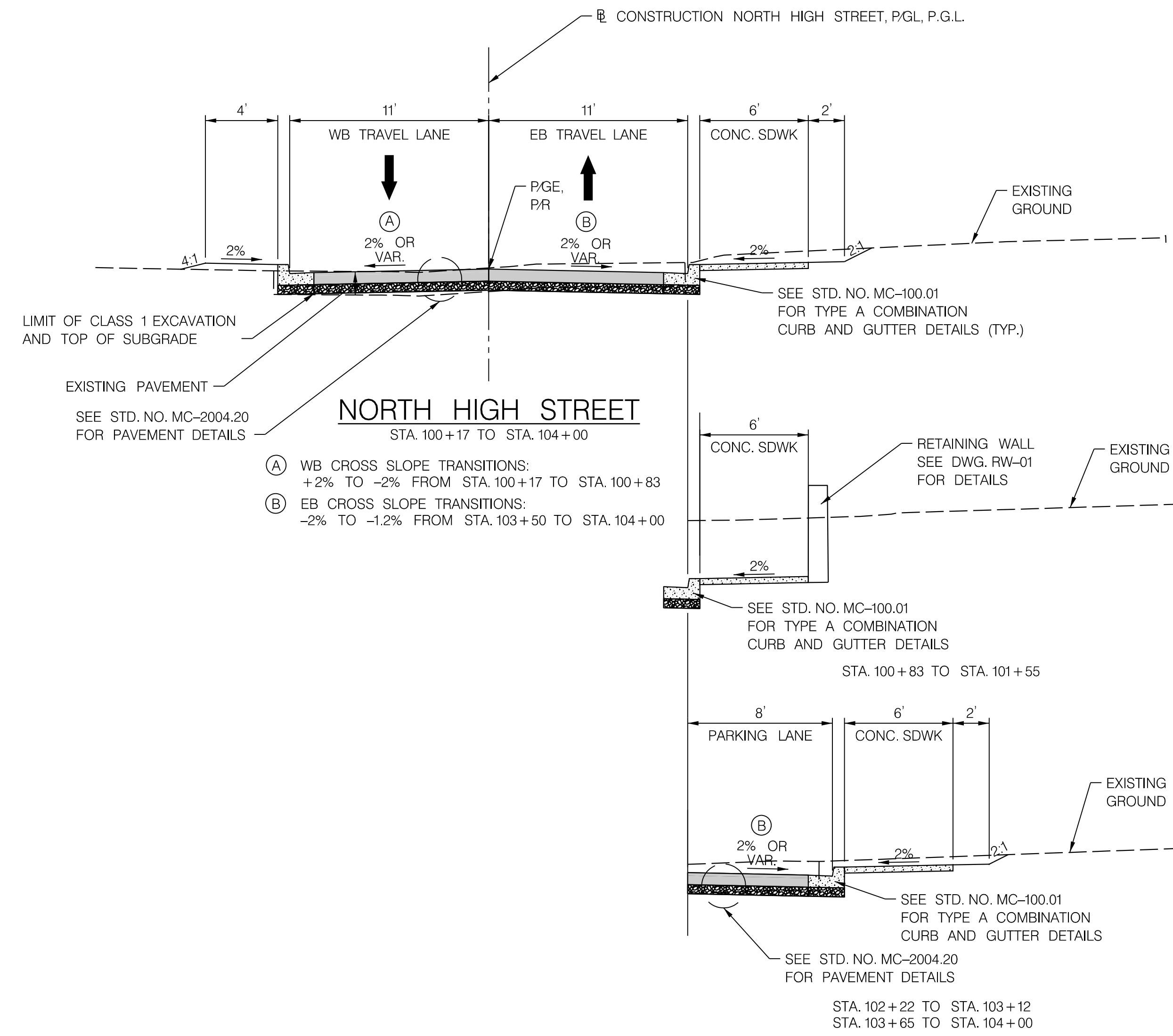


Whitman, Requardt & Associates, LLP
801 South Caroline Street, Baltimore, Maryland 21231

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: <u>NSP</u>	Drawn by: <u>NRH</u> Checked by: <u>RHD</u>

INDEX OF SHEETS, LEGENDS, AND ABBREVIATIONS	
NORTH HIGH STREET EXTENDED FROM GEORGIA AVENUE (MD 97) TO MORNINGWOOD DRIVE	
SCALE : NTS	FEBRUARY 2024
Project No. : <u>502310</u>	SHEET <u>02</u> of <u>21</u>



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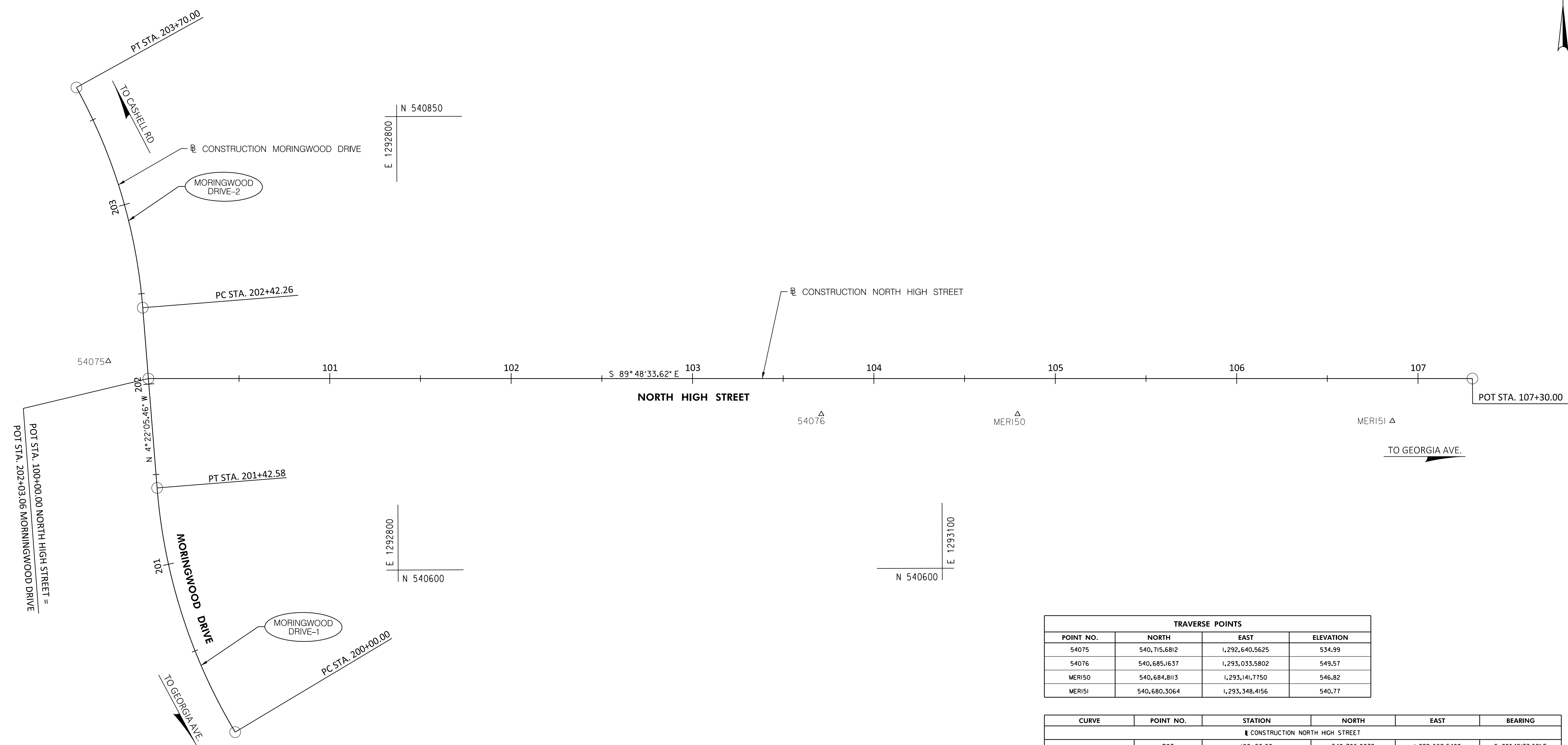
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Chief, Division of Transportation Engineering	Date
Designed by: <u>NSP</u>	Drawn by: <u>NRH</u>
Checked by: <u>RHD</u>	

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

SCALE : 1" = 5'

FEBRUARY 2024

Project No. : 502310 SHEET 3 of 21



TRAVERSE POINTS			
POINT NO.	NORTH	EAST	ELEVATION
54075	540,715.6812	1,292,640.5625	534.99
54076	540,685.637	1,293,033.5802	549.57
MERIS0	540,684.8113	1,293,141.7750	546.82
MERIS1	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					
MORNINGWOOD DRIVE-1	PC	200+00.00	540,510.9474	1,292,709.8472	
	PI	200+72.57	540,573.3353	1,292,672.7750	
	PT	201+42.58	540,645.6959	1,292,667.2475	N 4° 22' 05.46" W
MORNINGWOOD DRIVE-2	PC	202+42.26	540,745.0910	1,292,659.6550	
	PI	203+07.11	540,809.7555	1,292,654.7155	
	PT	203+70.00	540,866.6057	1,292,623.5073	

CURVE DATA						
CURVE	DELTA	Dc	RADIUS	TANGENT	LENGTH	EXTERNAL
MORNINGWOOD DRIVE-1	26° 21' 05.31" RT	18° 28' 57.03"	310.00'	72.57'	142.58'	8.38'
MORNINGWOOD DRIVE-2	24° 23' 47.64" LT	19° 05' 54.94"	300.00'	64.85'	127.74'	6.93'

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invalid expression

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WRA
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: RHD

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

SCALE : 1" = 30'

FEBRUARY 2024

Project No. : 502310 SHEET 4 of 21

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

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+25 TO 103+45	11	NORTH HIGH STREET LEFT
101+55 TO 101+75	13	NORTH HIGH STREET RIGHT
101+82 TO 102+02	31	NORTH HIGH STREET RIGHT
103+26 TO 103+50	33	NORTH HIGH STREET RIGHT
104+72 TO 104+96	33	NORTH HIGH STREET RIGHT
106+01 TO 106+29	39	NORTH HIGH STREET RIGHT
106+43 TO 106+71	39	NORTH HIGH STREET RIGHT

5" CONCRETE SIDEWALK (STD. NO. MC-110.01)

STATION	SF	REMARKS
201+43 TO 101+55	992	MORNINGWOOD DRIVE RIGHT TO NORTH HIGH STREET LEFT
101+75 TO 101+82	42	NORTH HIGH STREET RIGHT
102+02 TO 103+28	863	NORTH HIGH STREET RIGHT
102+70 TO 102+74	40	NORTH HIGH STREET RIGHT - PROPERTY CONNECTION
103+48 TO 104+72	814	NORTH HIGH STREET RIGHT
103+54 TO 103+58	64	NORTH HIGH STREET RIGHT - PROPERTY CONNECTION
104+94 TO 106+03	654	NORTH HIGH STREET RIGHT
106+27 TO 106+45	108	NORTH HIGH STREET RIGHT
106+69 TO 106+98	256	NORTH HIGH STREET RIGHT
104+13 TO 104+24	67	NORTH HIGH STREET LEFT
104+47 TO 104+93	356	NORTH HIGH STREET LEFT
105+22 TO 105+38	89	NORTH HIGH STREET LEFT
106+78 TO 106+98	268	NORTH HIGH STREET LEFT
202+14 TO 202+56	213	MORNINGWOOD DRIVE RIGHT
201+52 TO 201+65	70	MORNINGWOOD DRIVE LEFT
201+77 TO 202+31	372	MORNINGWOOD DRIVE LEFT
202+40 TO 202+63	125	MORNINGWOOD DRIVE LEFT
202+76 TO 202+81	91	MORNINGWOOD DRIVE LEFT
203+21 TO 203+35	70	MORNINGWOOD DRIVE LEFT

DETECTABLE WARNING SURFACE (STD. NO. MD-655.40)

STATION	SF	REMARKS
100+17 TO 100+25	22	NORTH HIGH STREET RIGHT
100+18 TO 100+23	10	NORTH HIGH STREET LEFT
104+64 TO 104+69	10	NORTH HIGH STREET RIGHT
104+64 TO 104+69	10	NORTH HIGH STREET LEFT
106+82 TO 106+87	10	NORTH HIGH STREET RIGHT
106+82 TO 106+87	10	NORTH HIGH STREET LEFT
201+76 TO 201+81	10	MORNINGWOOD DRIVE LEFT
203+31 TO 203+34	10	MORNINGWOOD DRIVE LEFT

TYPE A CONCRETE CURB (STD. NO. MC-100.01)

STATION	LF	REMARKS
101+75 TO 101+82	46	NORTH HIGH STREET RIGHT
102+02	14	NORTH HIGH STREET RIGHT
103+27	17	NORTH HIGH STREET RIGHT
103+48	17	NORTH HIGH STREET RIGHT
104+73	19	NORTH HIGH STREET RIGHT
104+94 TO 106+03	109	NORTH HIGH STREET RIGHT
106+27 TO 106+45	18	NORTH HIGH STREET RIGHT
106+69 TO 106+89	24	NORTH HIGH STREET RIGHT
201+43 TO 201+65	36	MORNINGWOOD DRIVE LEFT
201+71 TO 201+88	34	MORNINGWOOD DRIVE LEFT
202+18 TO 202+33	39	MORNINGWOOD DRIVE LEFT
202+40 TO 202+63	38	MORNINGWOOD DRIVE LEFT

TYPE A CONCRETE COMBINATION CURB AND GUTTER (STD. NO. MC-100.01)

STATION	LF	REMARKS
203+37 TO 101+03	212	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+25	66	NORTH HIGH STREET LEFT
103+45 TO 104+24	102	NORTH HIGH STREET LEFT
104+47 TO 104+95	85	NORTH HIGH STREET LEFT
105+24 TO 105+29	10	NORTH HIGH STREET LEFT
106+67 TO 106+99	52	NORTH HIGH STREET LEFT
200+60 TO 101+55	258	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+72	128	NORTH HIGH STREET RIGHT
104+96 TO 106+01	109	NORTH HIGH STREET RIGHT
106+29 TO 106+43	14	NORTH HIGH STREET RIGHT
106+71 TO 106+99	40	NORTH HIGH STREET RIGHT
200+95 TO 201+48	55	MORNINGWOOD DRIVE LEFT
201+71 TO 202+27	57	MORNINGWOOD DRIVE LEFT
202+58 TO 203+37	90	MORNINGWOOD DRIVE LEFT

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+25 TO 103+45	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+72 TO 104+96	24	NORTH HIGH STREET RIGHT
106+01 TO 106+29	28	NORTH HIGH STREET RIGHT
106+43 TO 106+71	28	NORTH HIGH STREET RIGHT
201+48 TO 201+71	22	MORNINGWOOD DRIVE LEFT
202+27 TO 202+58	30	MORNINGWOOD DRIVE LEFT

FINE MILLING ASPHALT PAVEMENT
1 INCH TO 2.5 INCH DEPTH

STATION	SY	REMARKS
104+00 TO 107+00	1193	NORTH HIGH STREET
200+95 TO 203+37	605	MORNINGWOOD DRIVE

STORM DRAIN STRUCTURE SCHEDULE

STRUCTURE NO.	STATION	OFFSET	TYPE	BASELINE	REMARKS
I-1	106+75	11.0' RT.	TYPE "A" INLET, 5' OPENING	NORTH HIGH ST.	PER MC 501.01

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DEPARTMENT OF TRANSPORTATION
GAITHERSBURG, MARYLAND

RECOMMENDED FOR APPROVAL

Chief, Transportation Planning and Design Section _____ Date _____

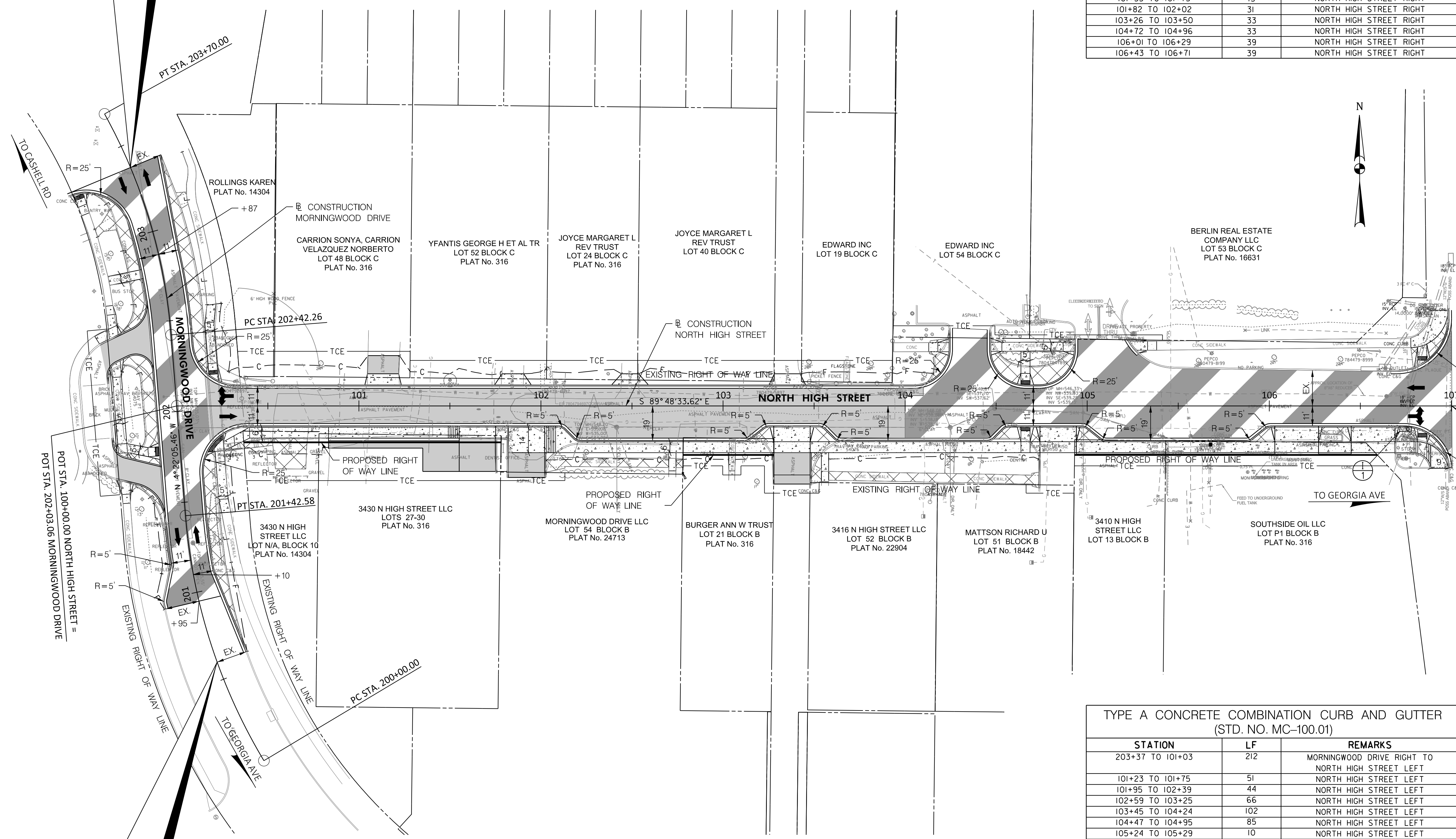
APPROVED

Chief, Division of Transportation Engineering _____ Date _____

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

HD-01 ROADWAY PLAN
NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE

SCALE : 1" = 30'
FEBRUARY 2024
Project No. : 502310 SHEET 5 of 21



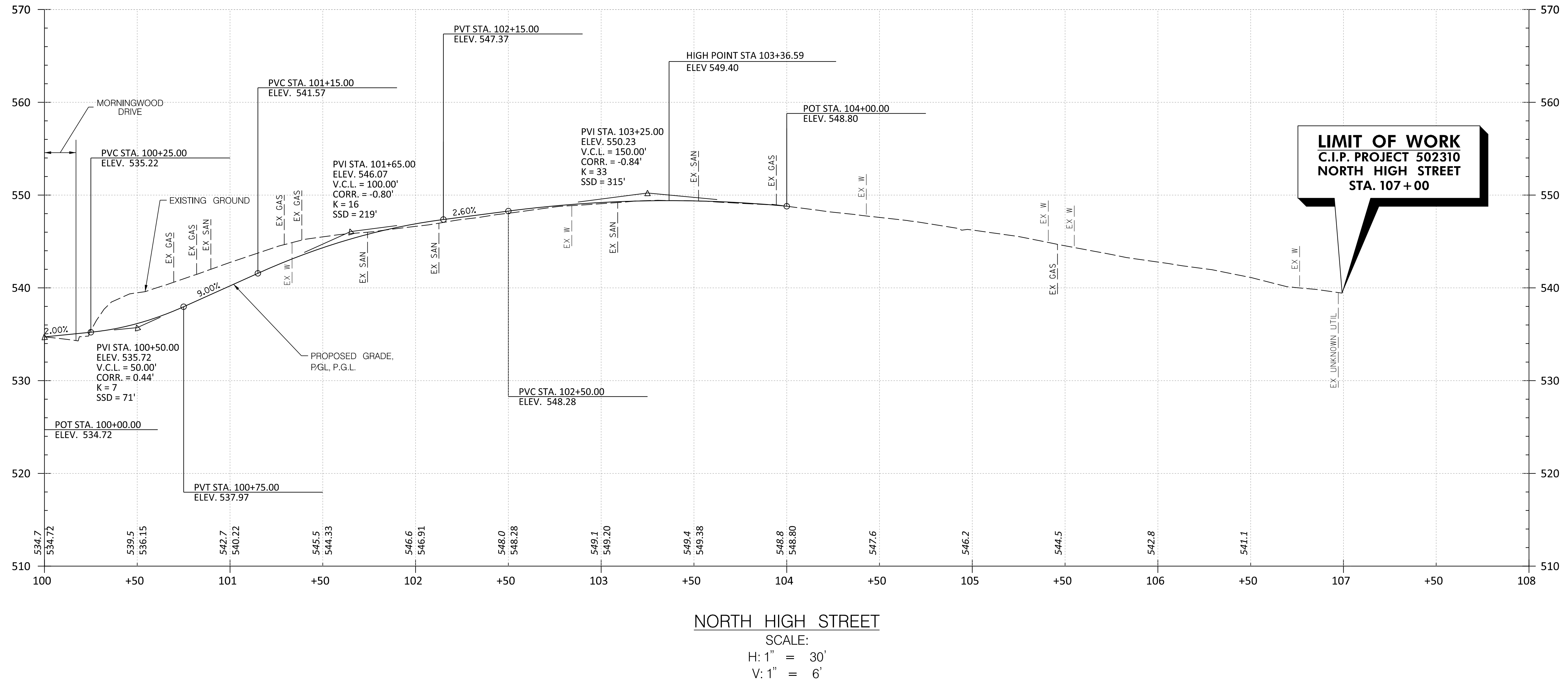
LIMIT OF WORK
C.I.P. PROJECT 502310
MORNINGWOOD DRIVE
STA. 200+60

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

PAVEMENT LEGEND

	FULL DEPTH PAVEMENT
	MILL AND OVERLAY
	CONCRETE
	PAVEMENT REMOVAL

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

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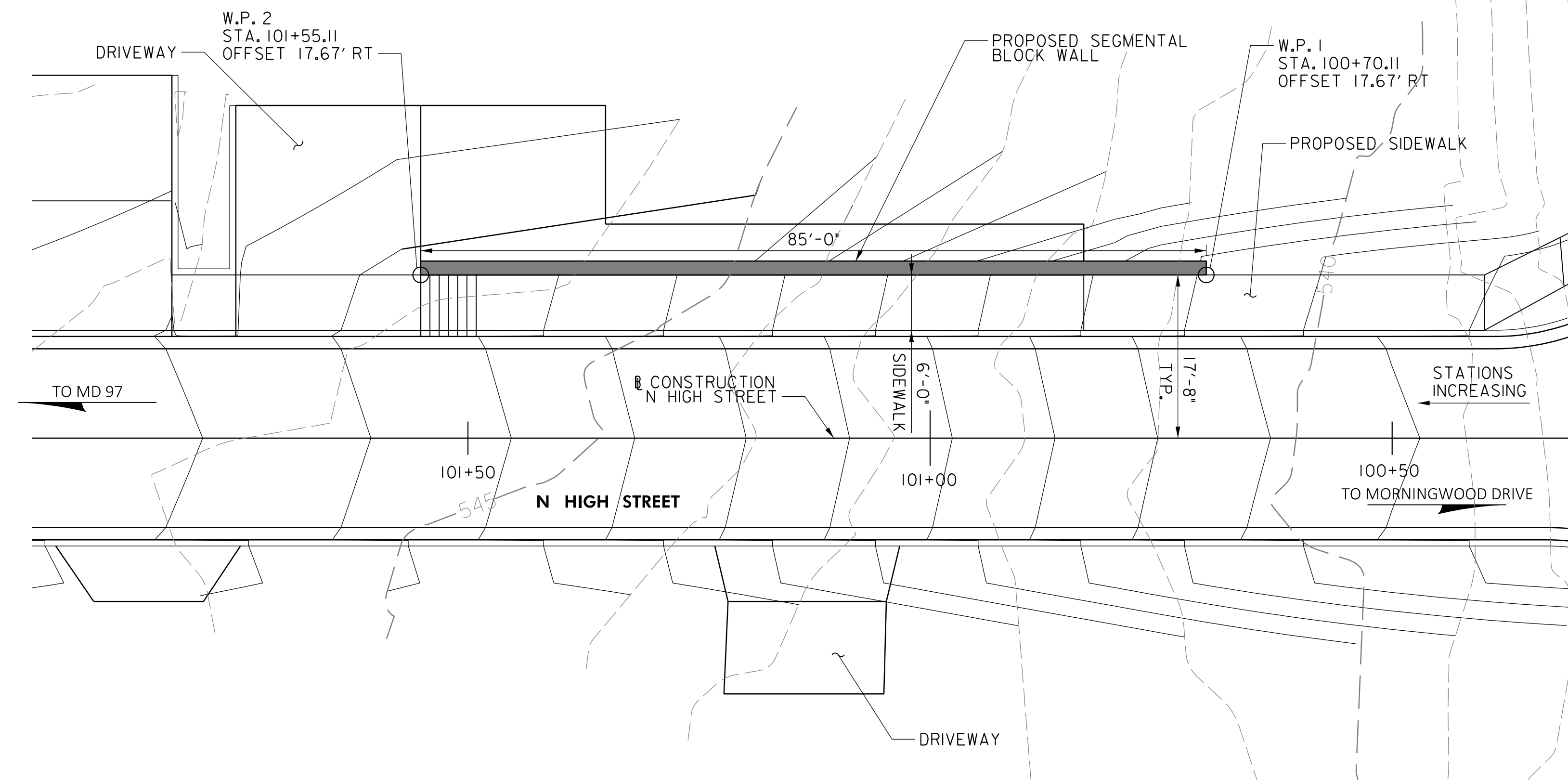
RECOMMENDED FOR APPROVAL	
Chief, Transportation Planning and Design Section	Date _____
APPROVED	
Chief, Division of Transportation Engineering	Date _____
Designed by: <u>NSP</u>	Drawn by: <u>NRH</u>
Checked by: <u>PHD</u>	

HP-01 ROADWAY PROFILE
**NORTH HIGH STREET EXTENDED
 FROM GEORGIA AVENUE (MD 97)
 TO MORNINGWOOD DRIVE**
 SCALE: AS SHOWN
 FEBRUARY 2024
 Project No. : 502310 SHEET 6 of 21

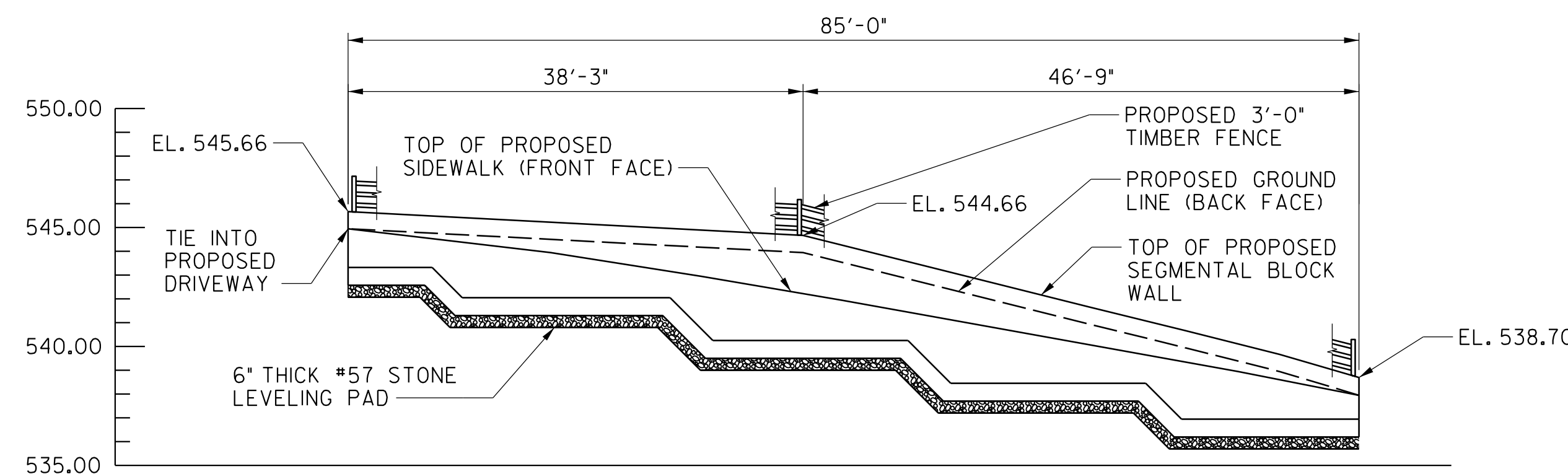
NO.	REVISION	DATE	BY

GENERAL NOTES

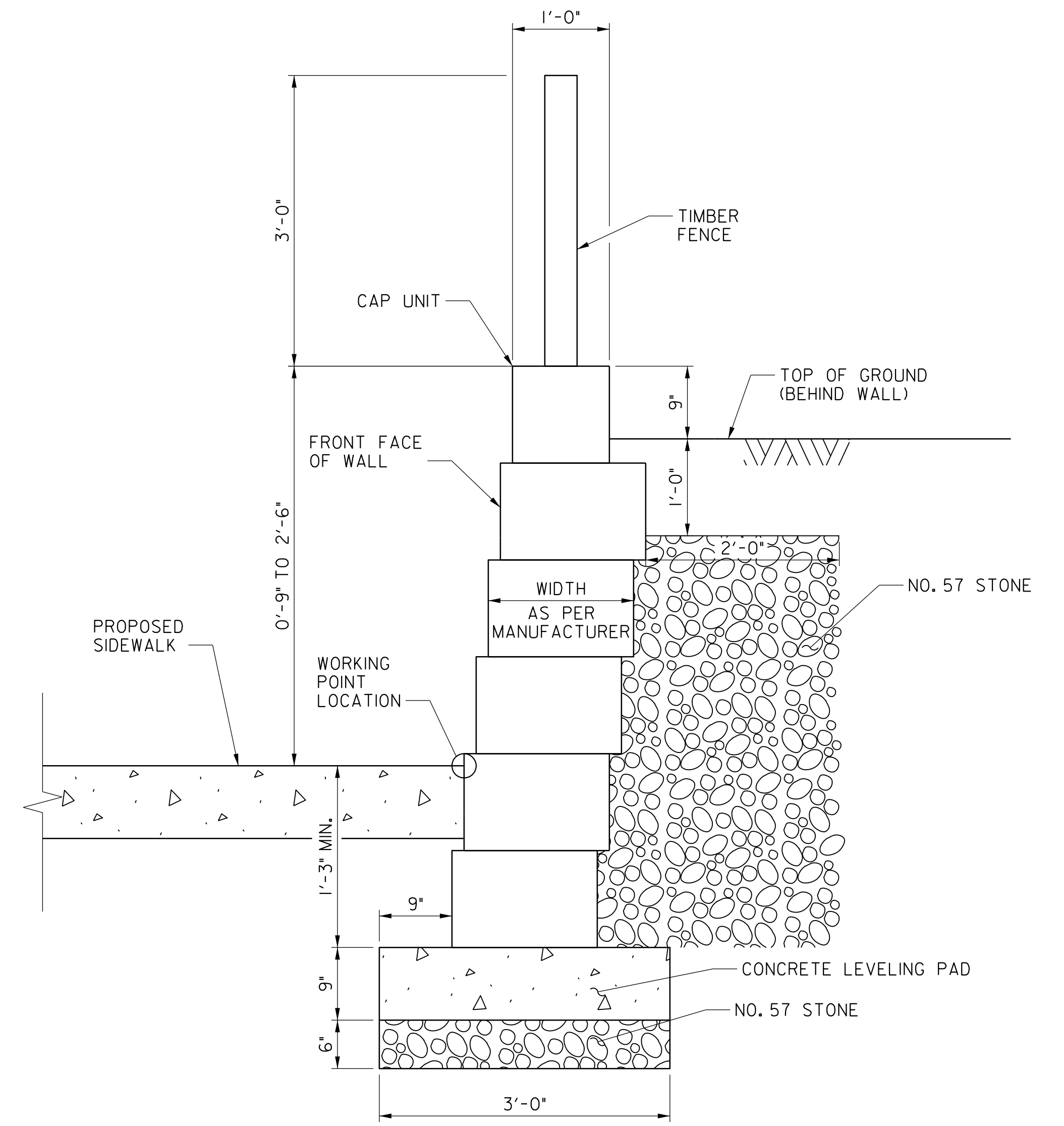
- SPECIFICATIONS: MDOT SHA STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, DATED JULY 2023.
- SEGMENTAL BLOCK: SEE SPECIAL PROVISIONS.
- CONCRETE: ALL CONCRETE FOR LEVELING PAD SHALL BE MIX NO. 1 (2500 PSI).
- WORK REQUIRED: 1. CONSTRUCT THE PROPOSED SEGMENTAL BLOCK RETAINING WALL.



PLAN
SCALE: 1" = 10'



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

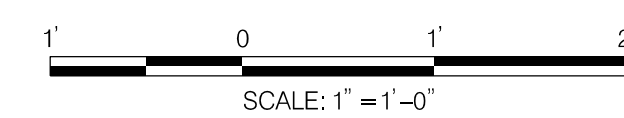
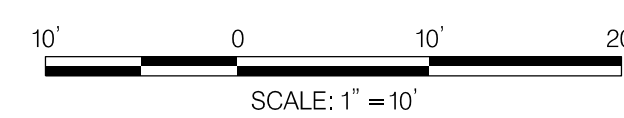


TYPICAL SECTION
SCALE: 1" = 1'-0"

WORKING POINTS		
NO.	NORTHING	EASTING
1	540,688.10	1,292,732.69
2	540,687.82	1,292,817.69

NOTES:

- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS DURING RETAINING WALL CONSTRUCTION.
- 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, TIMBER FENCE, AND ALL LABOR, MATERIALS, AND INCIDENTALS NEEDED TO CONSTRUCT WALL.



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EXPIRATION DATE: 12/22/2025



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Chief, Transportation Planning and Design Section
Date

APPROVED
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Chief, Division of Transportation Engineering
Date

Designed by: KW Drawn by: KW Checked by: MM

RETAINING WALL GENERAL PLAN AND ELEVATION

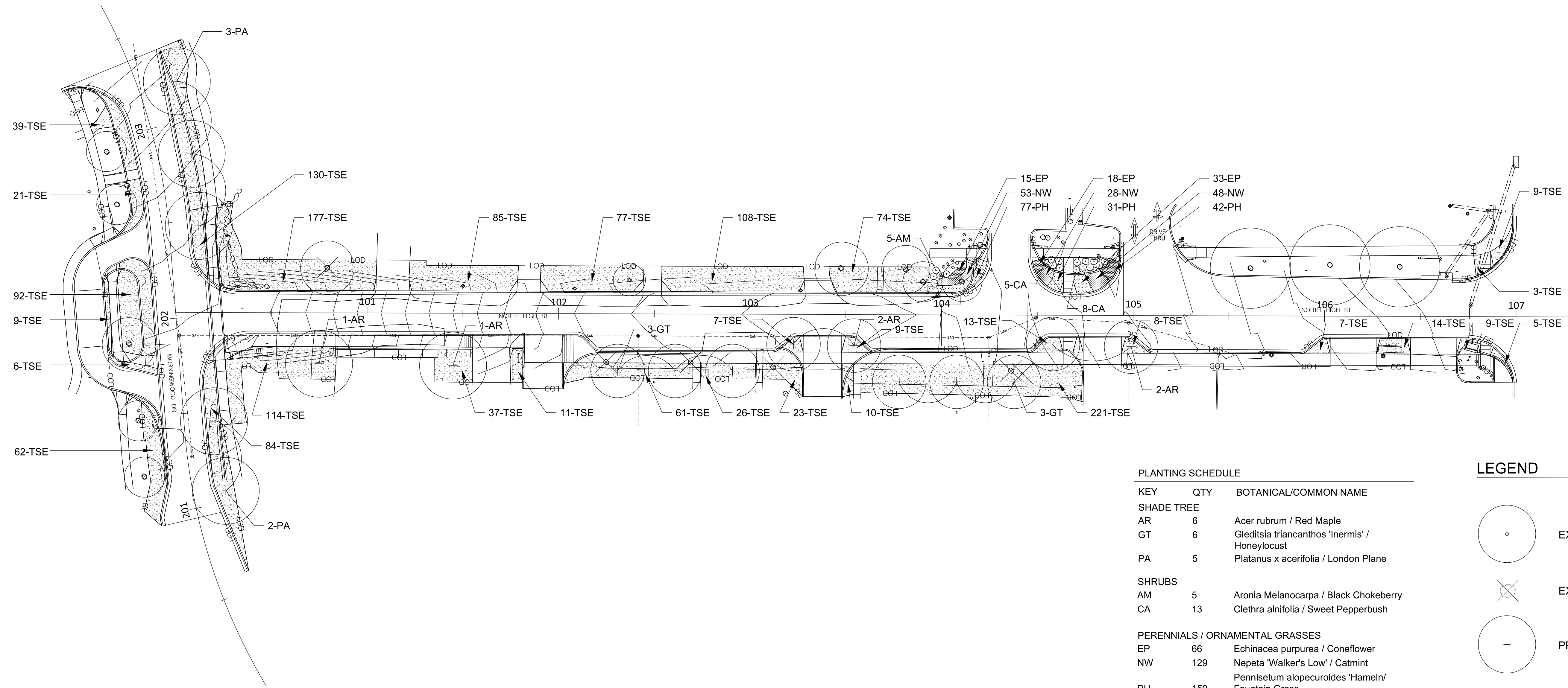
**NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE**

SCALE : AS SHOWN

FEBRUARY 2024

Project No. : 502310 SHEET 7 of 21

\$Revision: "0" \$Date: "01/22/2024" \$Author: "jgarcia" \$Date: "01/22/2024" \$Revision: "0" \$Date: "01/22/2024" \$Author: "jgarcia"

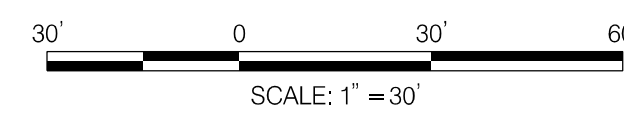


PLANTING SCHEDULE

KEY	QTY	BOTANICAL/Common NAME
SHADE TREE		
AR	6	Acer rubrum / Red Maple
GT	6	Gleditsia triacanthos 'Inermis' / Honeylocust
PA	5	Platanus x acerifolia / London Plane
SHRUBS		
AM	5	Aronia melanocarpa / Black Chokeberry
CA	13	Clethra alnifolia / Sweet Pepperbush
PERENNIALS / ORNAMENTAL GRASSES		
EP	66	Echinacea purpurea / Coneflower
NW	129	Nepeta 'Walker's Low' / Catmint
PH	150	Pennisetum alopecuroides 'Hameln' / Fountain Grass
1477	SY	TURFGRASS SOD ESTABLISHMENT (TSE)

LEGEND

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



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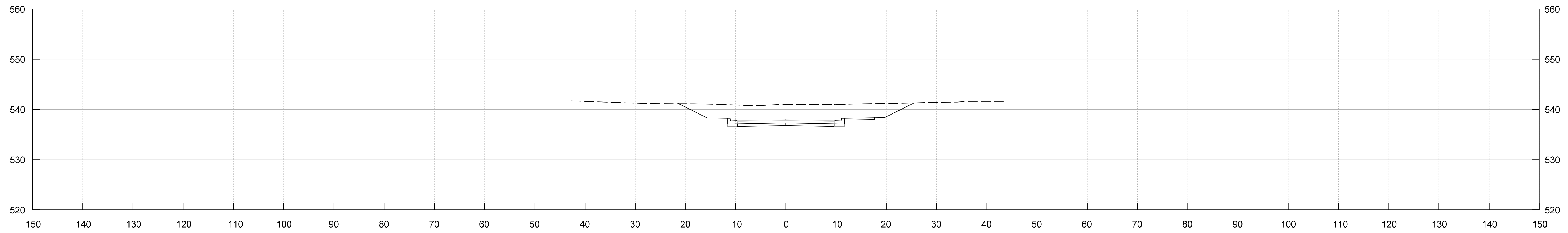
MAHAN RYKIEL
LANDSCAPE ARCHITECTURE
URBAN DESIGN & PLANNING

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND			
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APPROVED			
Chief, Division of Transportation Engineering			Date
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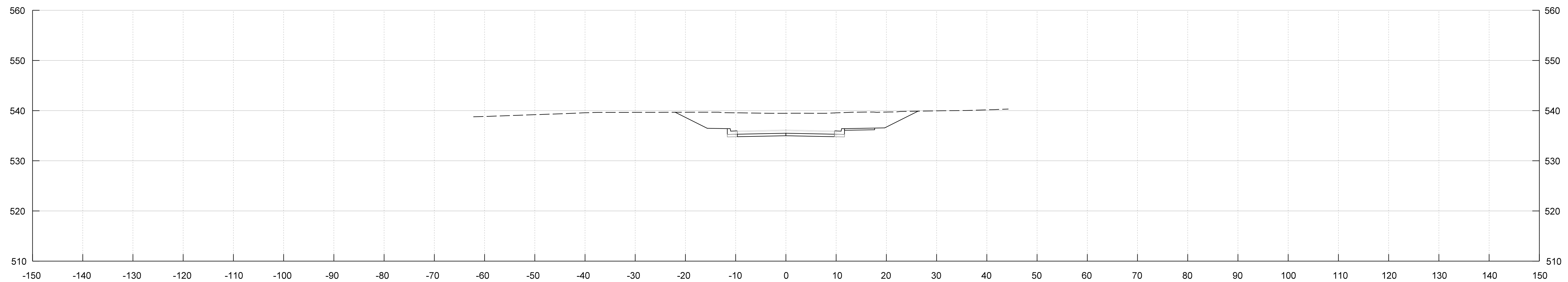
LANDSCAPE PLAN
**NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
TO MORNINGWOOD DRIVE**

SCALE : 1" = 30'
Project No. : _502310 SHEET 8 of 21
FEBRUARY 2024

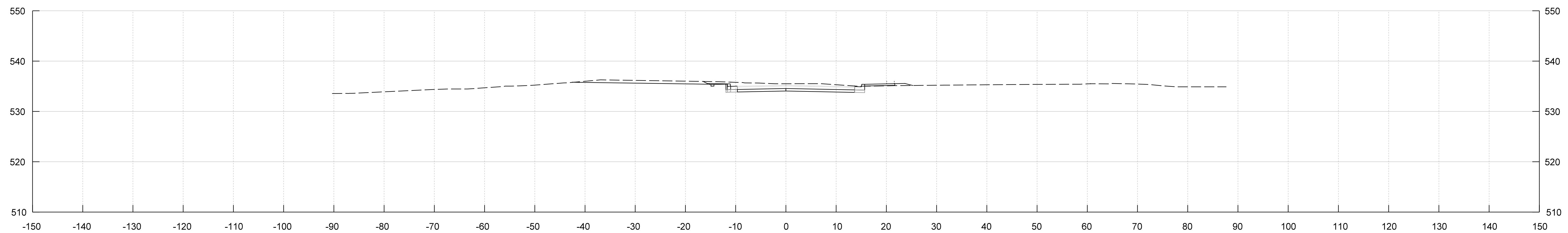
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100+75.00



100+50.00



100+25.00

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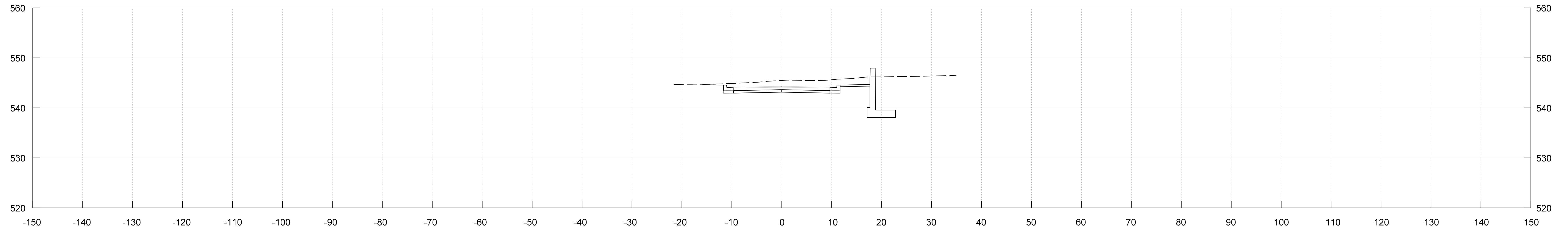
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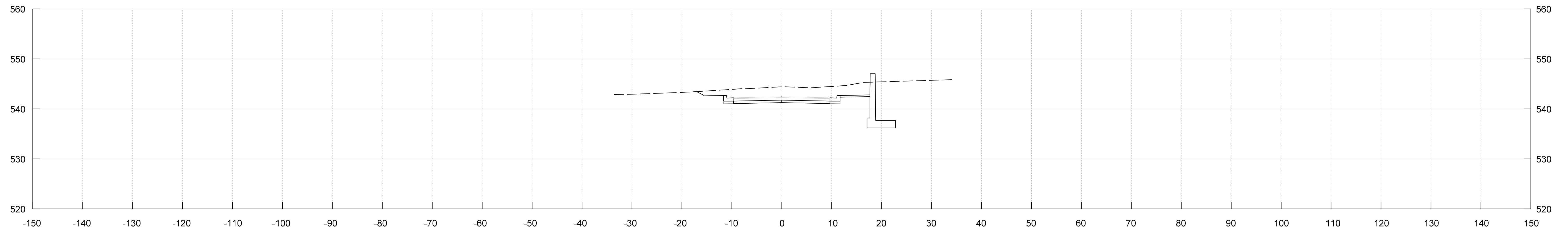
Designed by: NSP Drawn by: NRH Checked by: RHD

CROSS SECTIONS
NORTH HIGH STREET EXTENDED
FROM GEORGIA AVENUE (MD 97)
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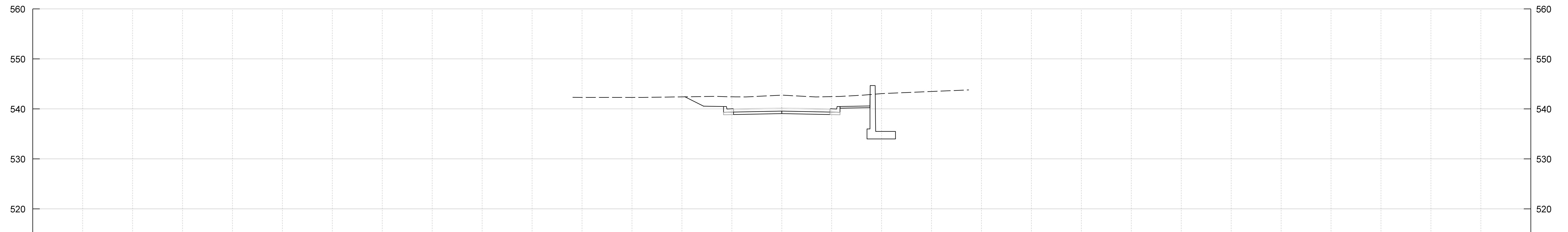
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101+50.00



101+25.00



101+00.00

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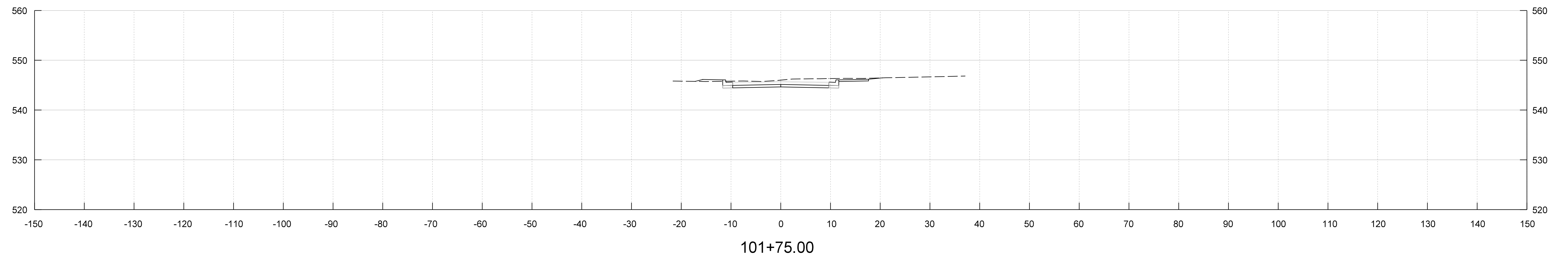
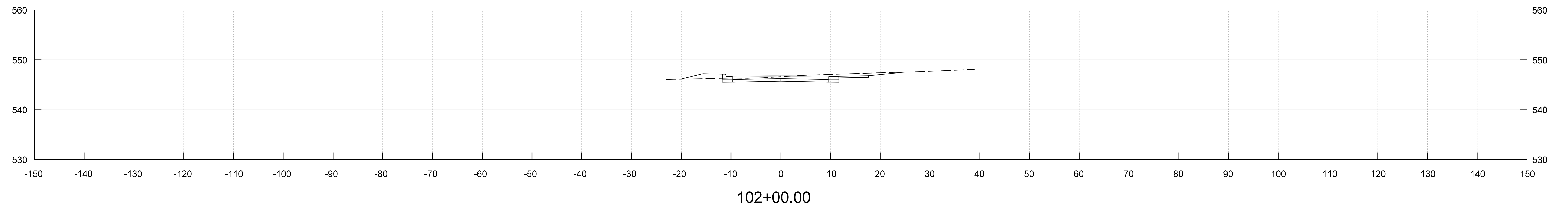
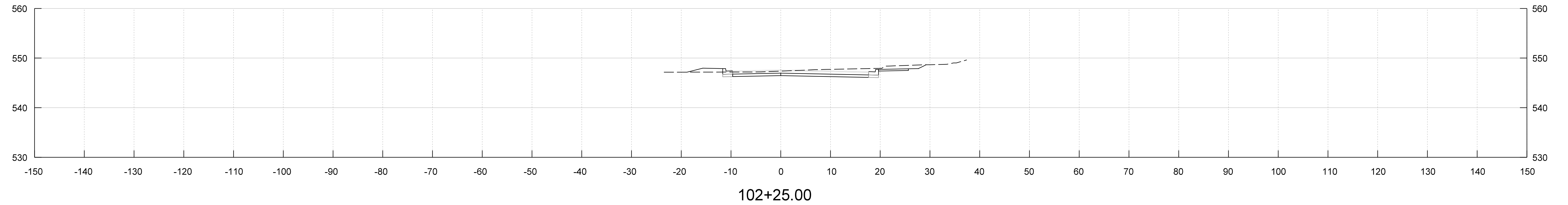
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CROSS SECTIONS
NORTH HIGH STREET EXTENDED
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TO MORNINGWOOD DRIVE

SCALE : 1" = 10'

FEBRUARY 2024

Project No. : 502310 SHEET 10 of 21



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Chief, Division of Transportation Engineering	
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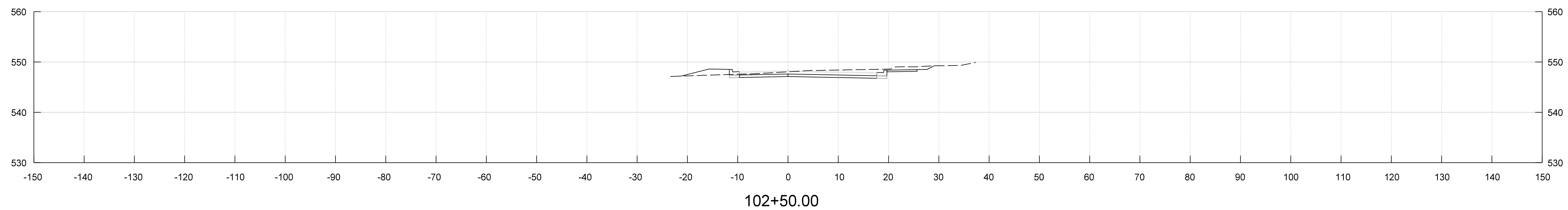
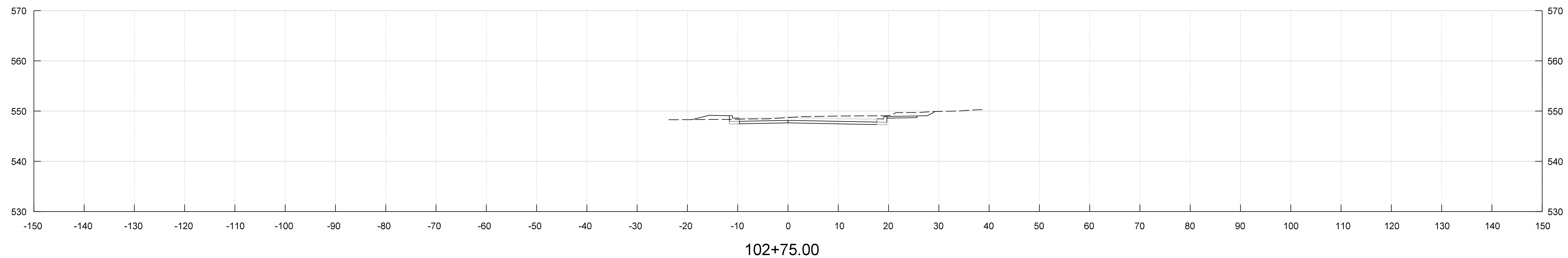
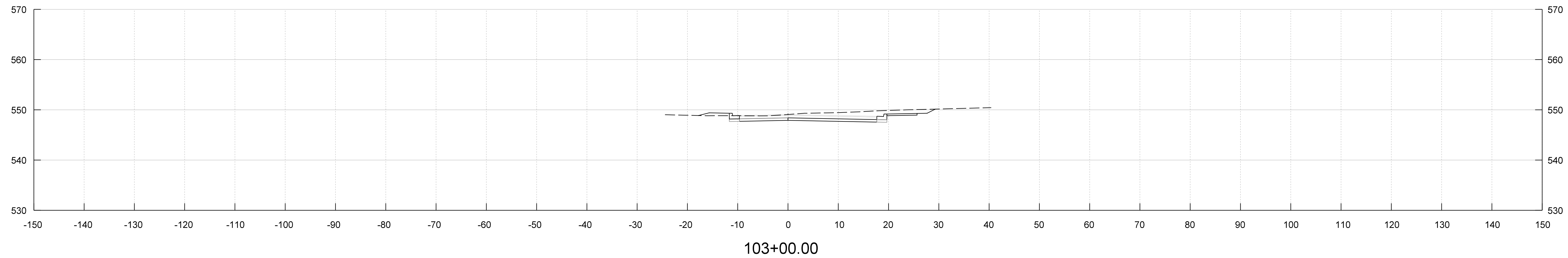
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Project No. : 502310

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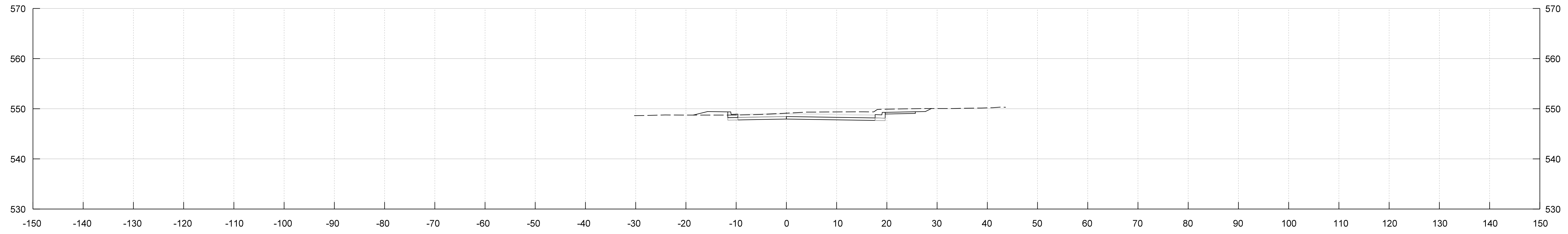
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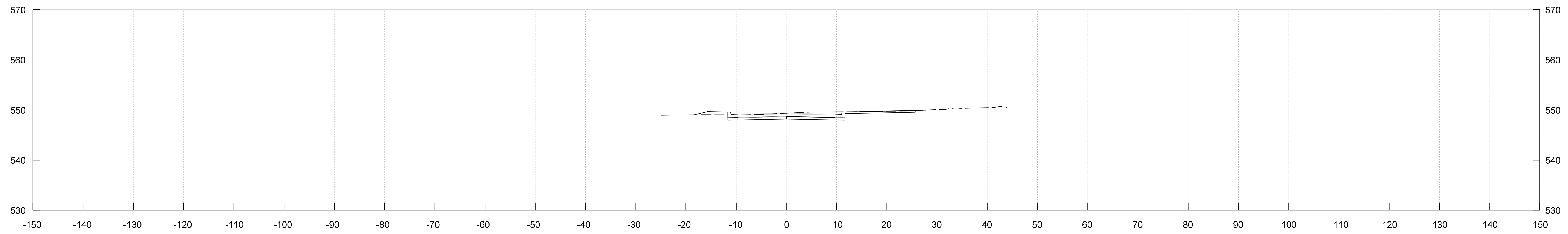
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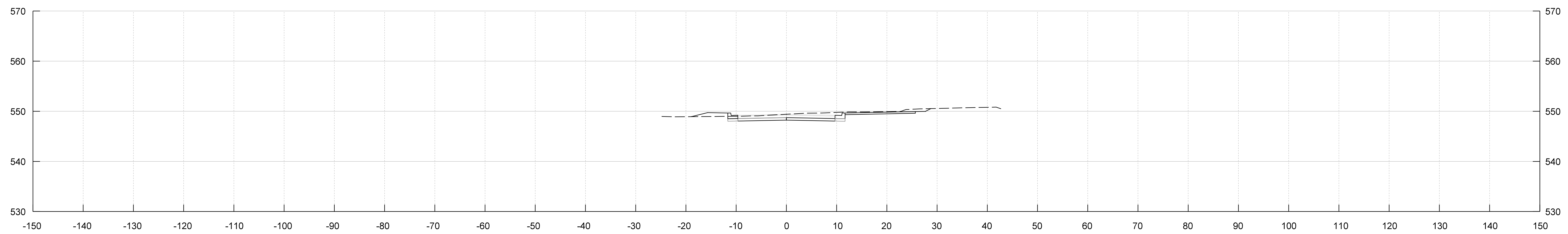
CROSS SECTIONS
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103+75.00



103+50.00



103+25.00

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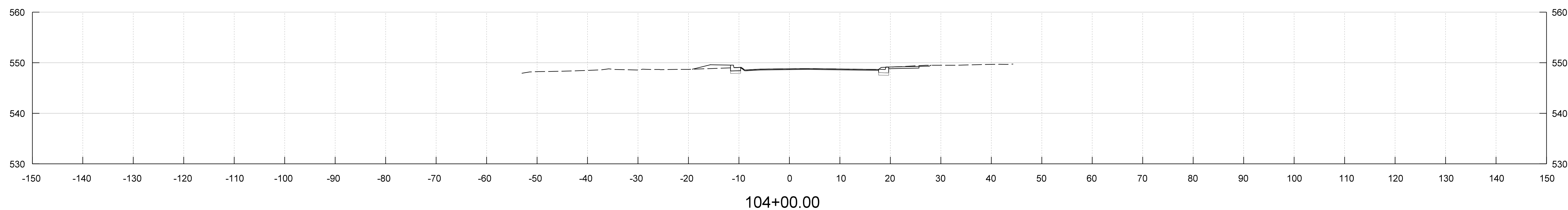
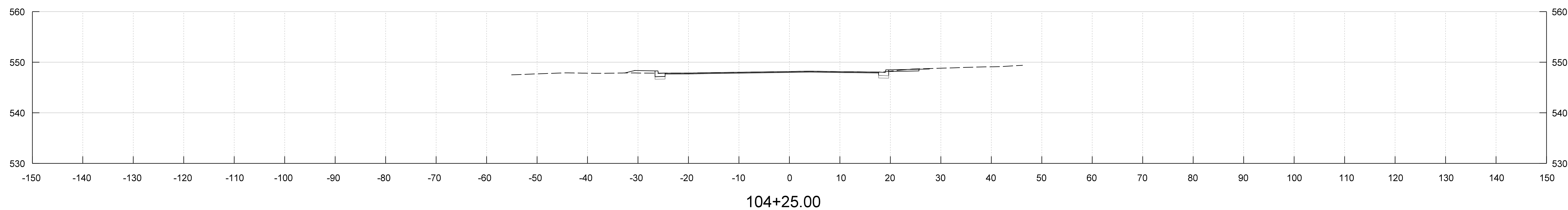
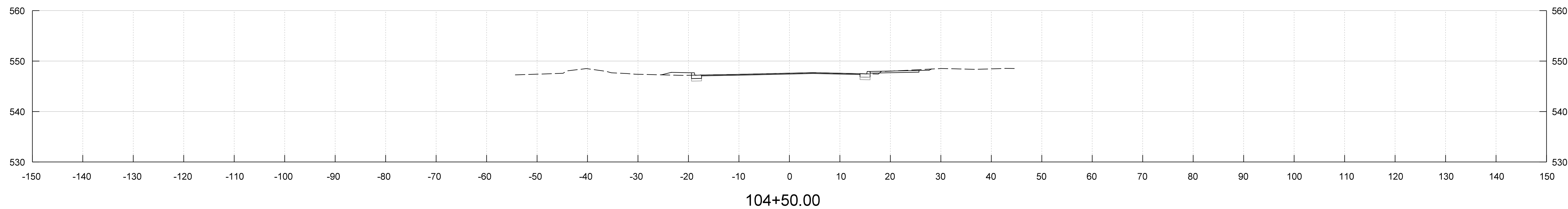
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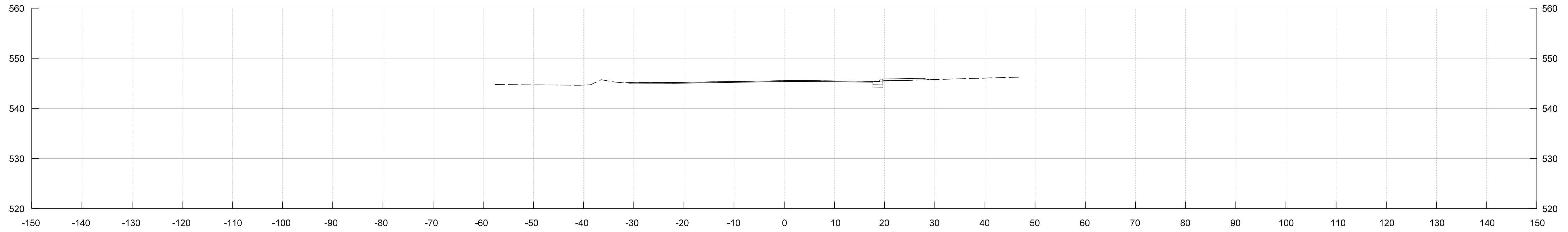
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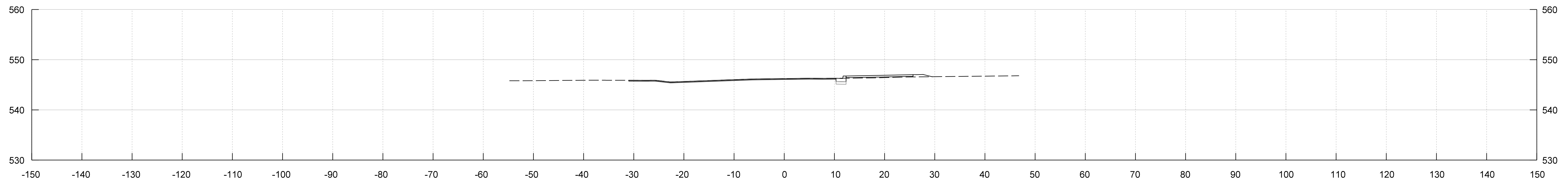
CROSS SECTIONS
**NORTH HIGH STREET EXTENDED
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SCALE : 1" = 10' FEBRUARY 2024

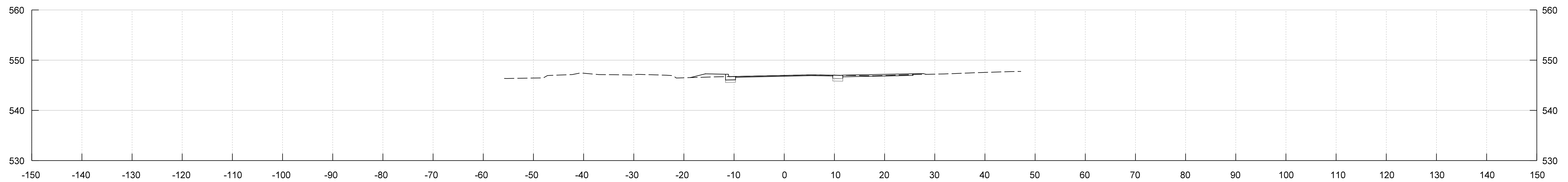
Project No. : 502310 SHEET 14 of 21



105+25.00



105+00.00



104+75.00

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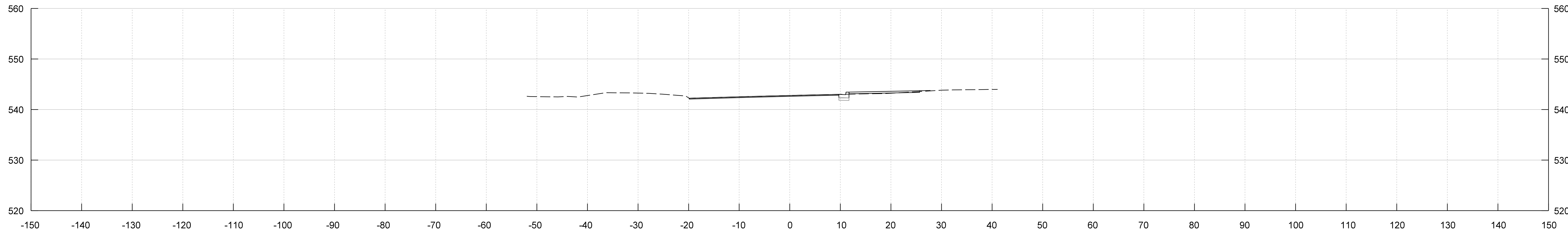
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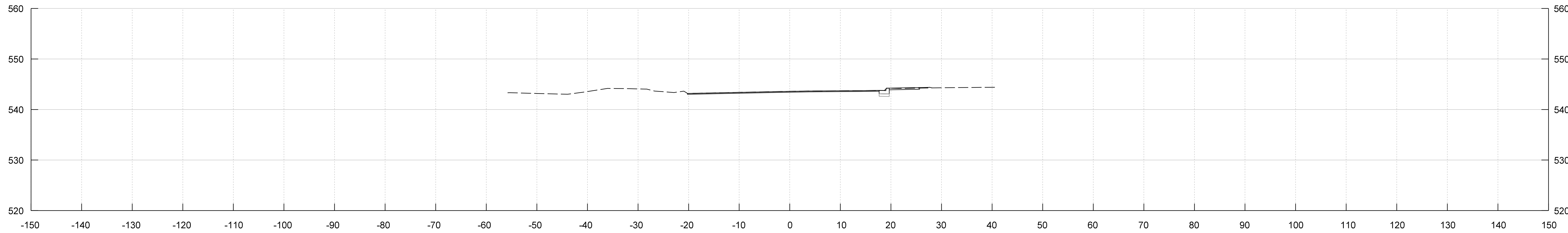
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Project No. : 502310 SHEET 15 of 21

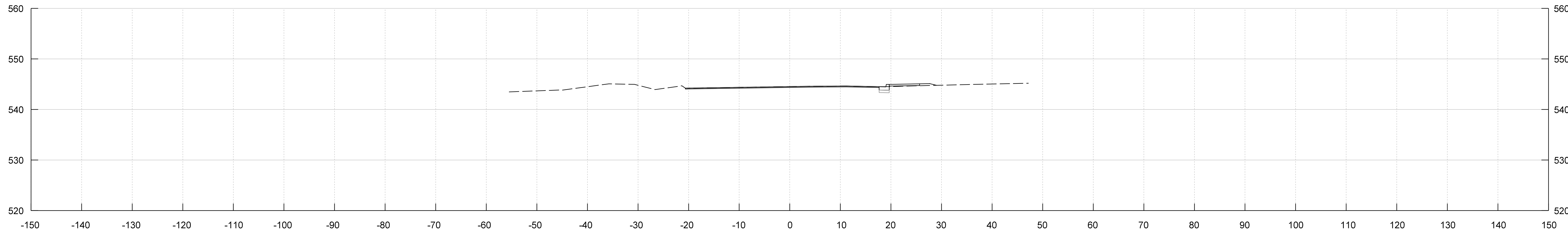
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106+00.00



105+75.00



105+50.00

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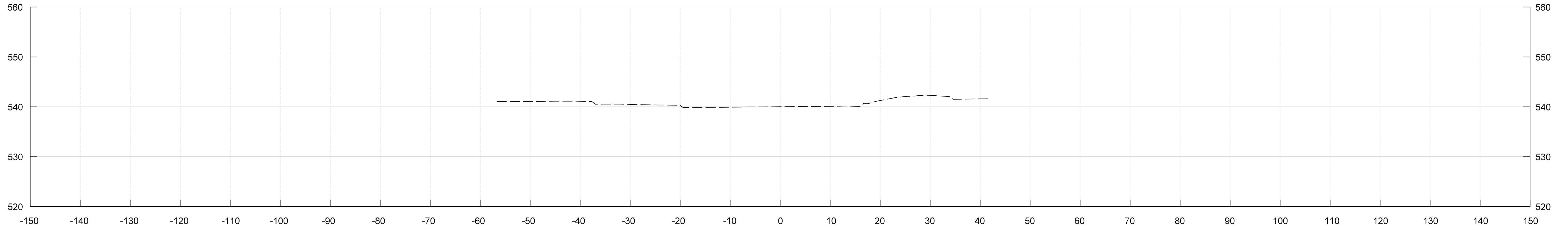
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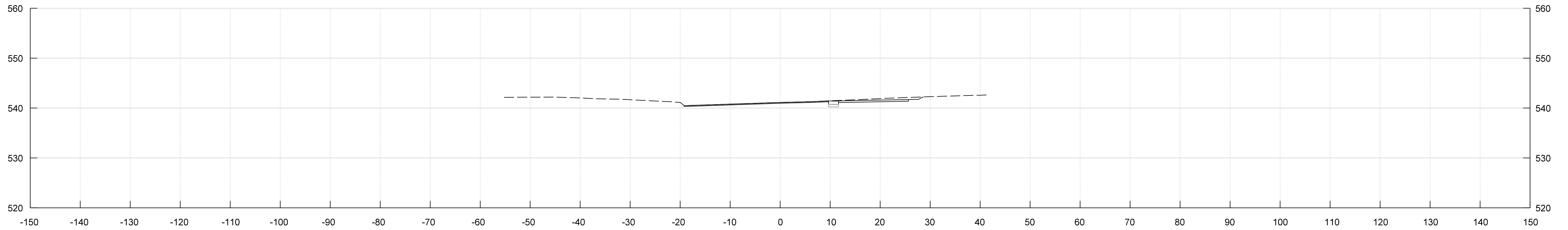
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Project No. : 502310 SHEET 16 of 21

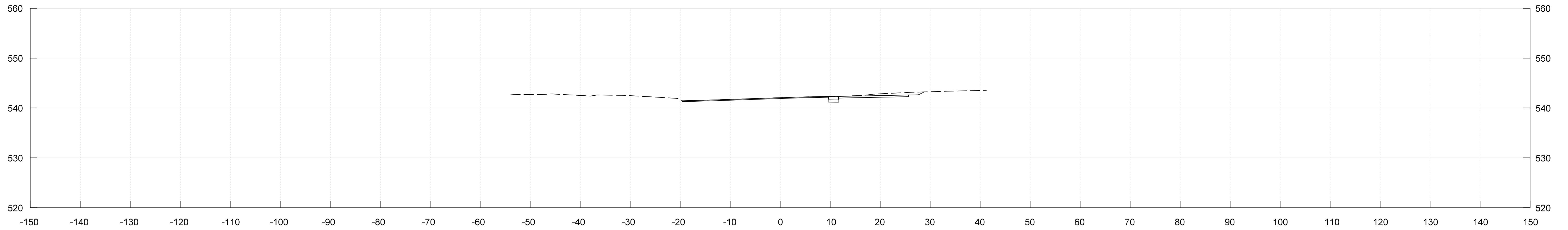
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106+75.00



106+50.00



106+25.00

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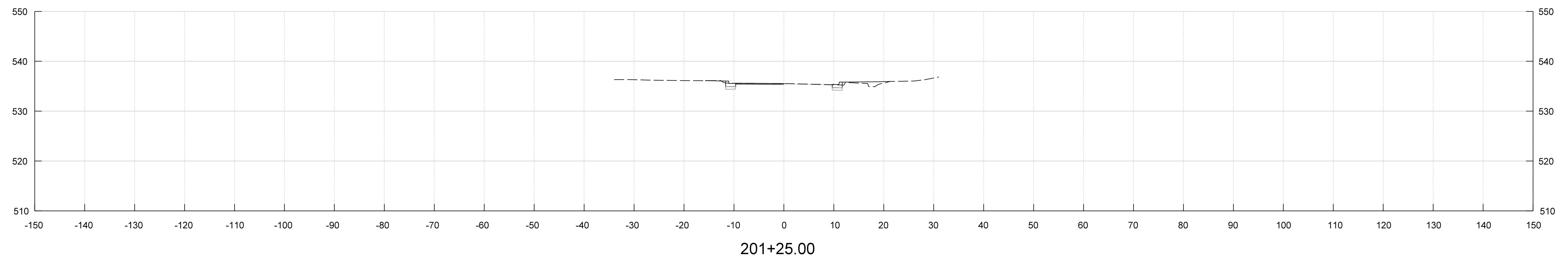
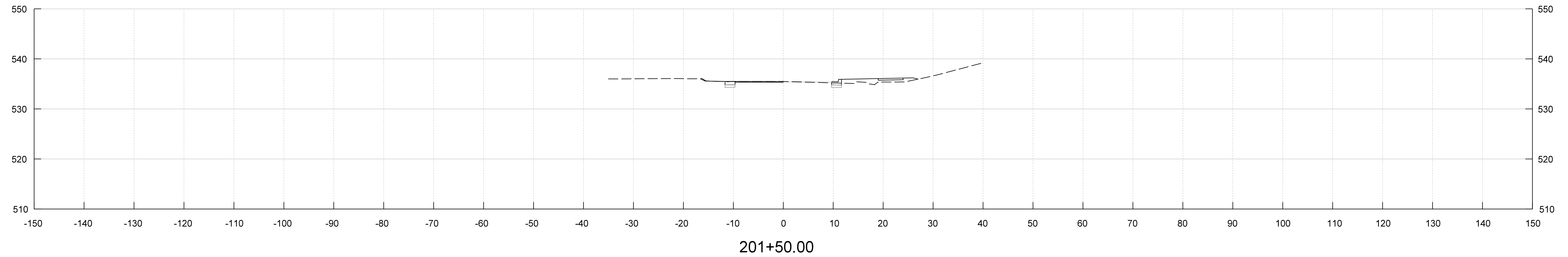
MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION GAITHERSBURG, MARYLAND	
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Chief, Transportation Planning and Design Section	_____ Date _____
APPROVED	
Chief, Division of Transportation Engineering	_____ Date _____
Designed by: <u>NSP</u>	Drawn by: <u>NRH</u> Checked by: <u>RHD</u>

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

SCALE : 1" = 10' FEBRUARY 2024

Project No. : 502310 SHEET 17 of 21

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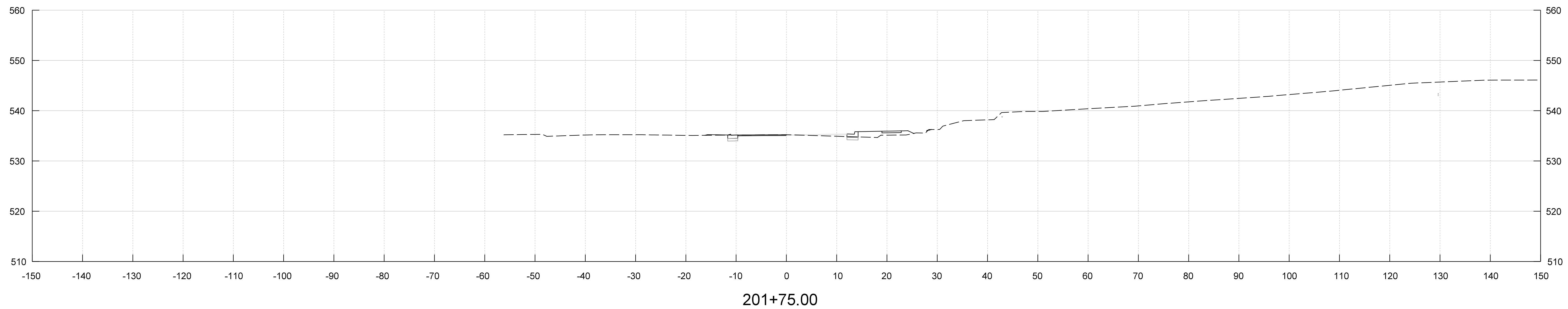
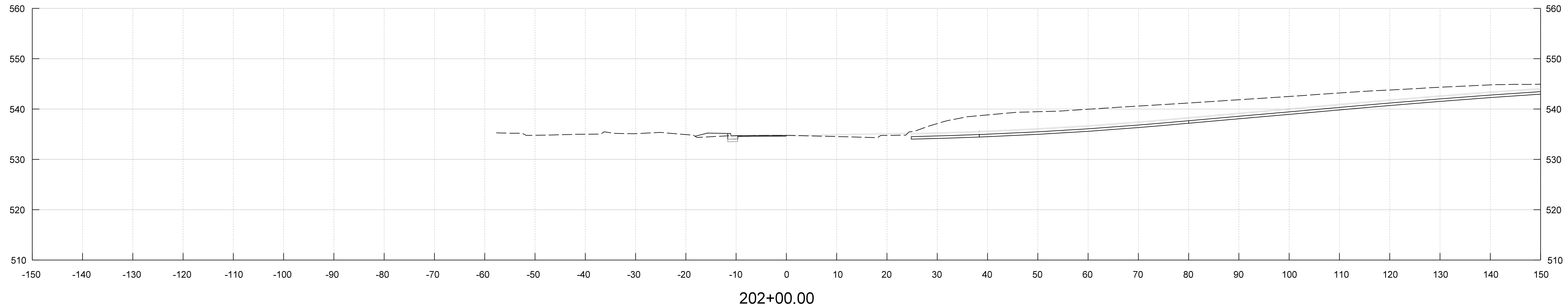
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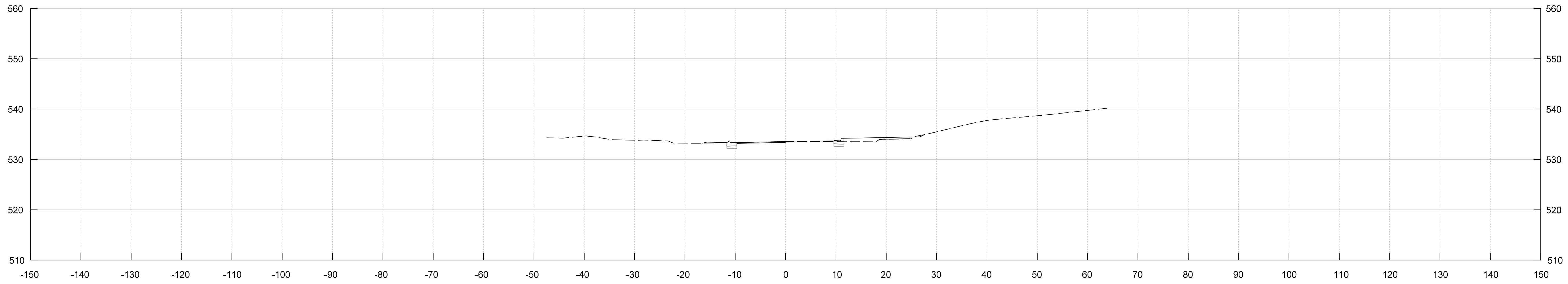
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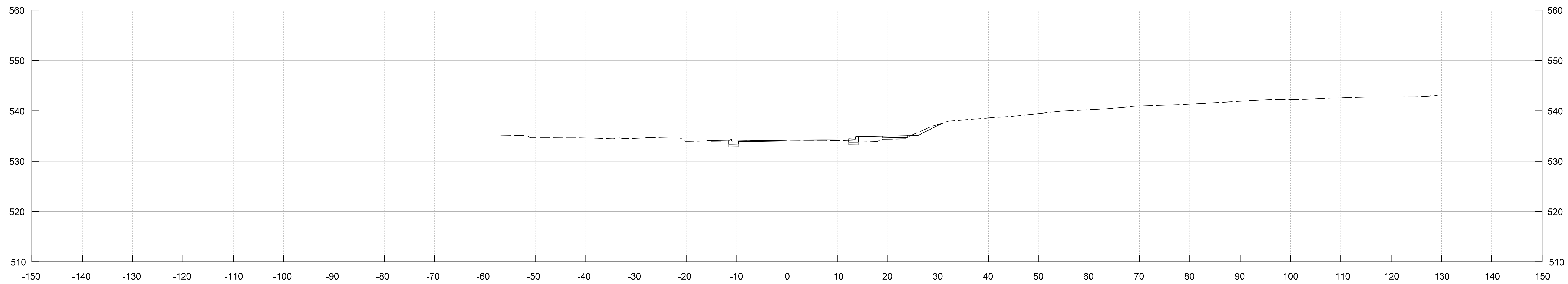
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202+50.00



202+25.00

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Chief, Division of Transportation Engineering _____ Date _____

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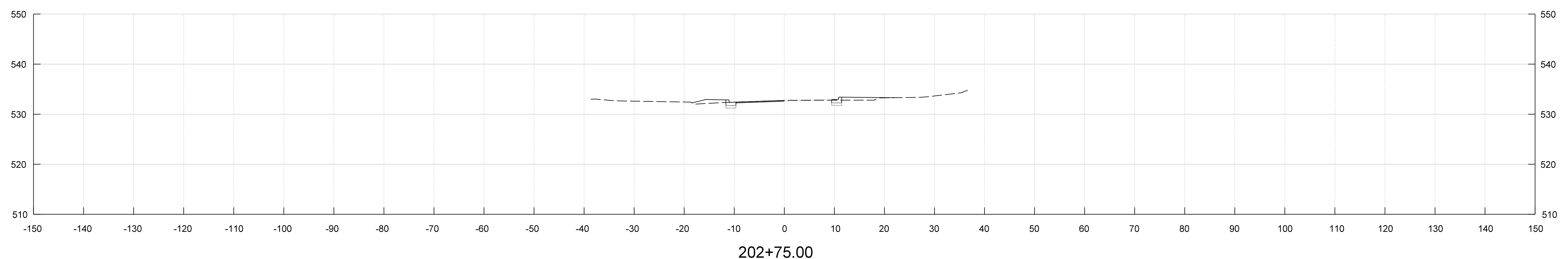
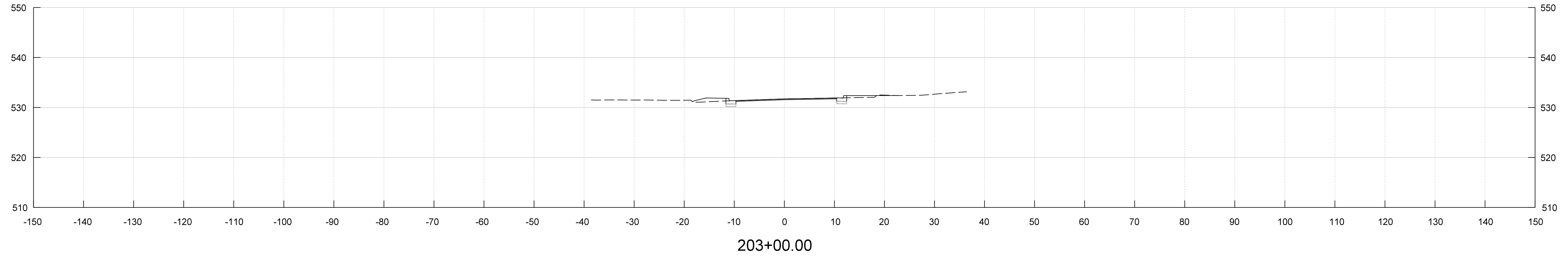
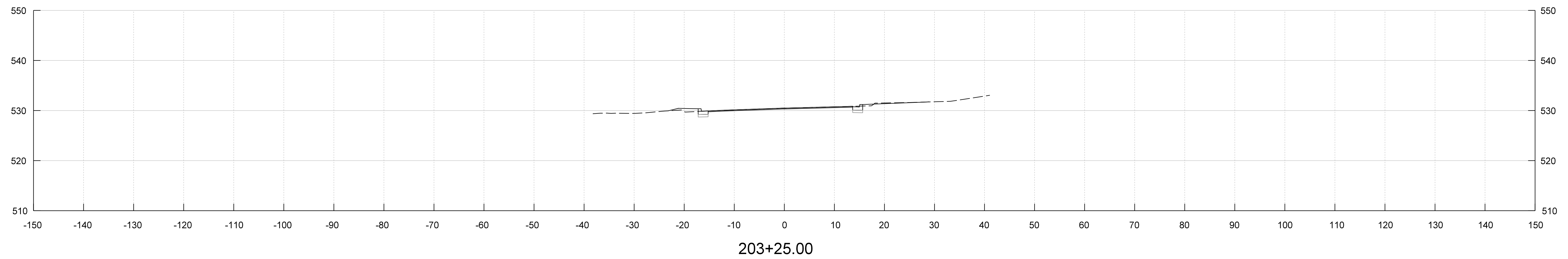
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