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Kirschten Roberts
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KIRSCHTEN ROBERTS, P.E. NO. 126215

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE OF TENN. CODE ANN. §62-2-306.

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN3
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2
SIGNING AND PAVEMENT MARKING PLAN(S)	13 - 14

YEAR	PROJECT NO.	SHEET NO.
2026	38S180-S3-007	ROADWAY-SIGN 3
	38S180-M3-007	
	38S180-S3-008	

REV. 1-22-2026
ADDED SHEET TO PLANS.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS.....	ROADWAY-SIGN1
.....	ROADWAY-SIGN2
.....	ROADWAY-SIGN3
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS.....	1A
STANDARD STRUCTURE AND TRAFFIC OPERATIONS DRAWINGS	1A1
PROJECT COMMITMENTS	1B
ESTIMATED ROADWAY QUANTITIES.....	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE.....	2B, 2B1
GENERAL NOTES	2C
SPECIAL NOTES	2D
ENVIRONMENTAL NOTES.....	2E
TABULATED QUANTITIES.....	2F
RIGHT-OF-WAY NOTES, UTILITY NOTES, AND UTILITY OWNERS	3
PROPERTY MAP(S) AND RIGHT-OF-WAY ACQUISITION TABLE(S).....	3A – 3B
PRESENT LAYOUT(S).....	4 – 5
RIGHT-OF-WAY DETAILS	4A – 5A
PROPOSED LAYOUT(S).....	4B – 5B
PROPOSED PROFILE(S).....	4C – 5C
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILE(S).....	6
DRAINAGE MAP(S).....	7
EROSION PREVENTION AND SEDIMENT CONTROL PLANS.....	8 - 12
SIGNING AND PAVEMENT MARKING PLAN(S)	13 – 14
SIGN SCHEDULE SHEET(S)	15
ROADWAY CROSS SECTIONS.....	16 – 36
TRAFFIC CONTROL PLANS	T1 – T3, T3A
BRIDGE PLANS	B-1
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PLANS	S-1

NOTE: THE ALPHABETICAL LETTERS "I", "O" & "Q" ARE NOT USED IN THE NUMBERING OF SHEETS.

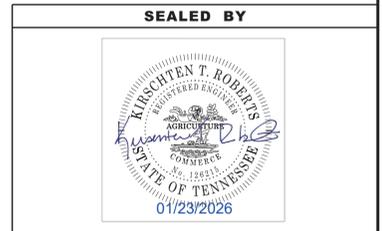
STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-TP-1	10-01-24	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
10-101.00 STANDARDS ROADWAY DRAWINGS		
RD11-SE-1		TRANSITION AND CROSS SLOPE DETAILS
RD11-SE-2		SUPERELEVATION TRANSITION DETAILS FOR UNDIVIDED ROADWAYS
RD11-SE-2A		SUPERELEVATION TRANSITION SECTIONS FOR UNDIVIDED ROADWAYS
RD11-TS-2		DESIGN STANDARDS FOR COLLECTORS, 2-LANE ROADS AND STREETS
RD11-LR-1		MINIMUM RUNOFF LENGTHS (LR) FOR URBAN HIGHWAYS
RD11-LR-2		MINIMUM RUNOFF LENGTHS (LR) FOR RURAL HIGHWAYS
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD11-S-11B		DESIGN AND CONSTRUCTION DETAILS FOR ROCK CUT SLOPE AND CATCHMENT
10-106.00 SAFETY DESIGN AND GUARDRAILS		
S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
S-PL-1	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED
S-PL-1A	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED (FOR RIGID OBJECTS)
S-PL-6	07-30-24	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-GR31-1	03-13-25	GUARDRAIL DETAILS
S-GR31-1A	06-28-19	GUARDRAIL AND BLOCK-OUT DETAILS
S-GR31-1B		GUARDRAIL FASTENING HARDWARE
S-GR31-1C	07-07-23	GUARDRAIL GENERAL NOTES AND POST DETAILS
S-AGT-1		LONG SPAN APPROACH GUARDRAIL TRANSITION
S-GRT-2	06-28-19	TYPE 38 GUARDRAIL END TERMINAL
S-GRT-2P	10-16-20	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL
S-GR28-1M	06-15-21	W-BEAM & THRIE BEAM BARRIER RAIL AND RUB RAIL DETAILS
S-GR28-2M	06-28-19	GUARDRAIL HARDWARE DETAILS

DWG.	REV.	DESCRIPTION
S-GRC-1M		GUARDRAIL CONNECTION TO BRIDGE ENDS OR BARRIER WALL
10-107.00 EROSION PREVENTION AND SEDIMENT CONTROL		
EC-STR-3C	03-01-23	SILT FENCE WITH WIRE BACKING
EC-STR-34	05-04-22	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-6	11-30-20	ROCK CHECK DAM
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-7	05-04-22	SEDIMENT TRAP WITH CHECK DAM

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	38S180-S2-007	NA
		38S180-M2-007	
		38S180-S2-008	
PIH	2025	38S180-S3-007	1A
		38S180-M3-007	
		38S180-S3-008	
PS&E	2026	38S180-S3-007	1A
		38S180-M3-007	
		38S180-S3-008	

REV. 12-17-2025
ADDED ROADWAY-SIGN2 TO INDEX.
REV. 1-22-2026
ADDED ROADWAY-SIGN3 TO INDEX.



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS**

ESTIMATED ROADWAY QUANTITIES

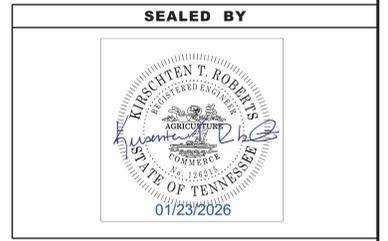
ITEM NO.	DESCRIPTION	UNIT	38S180-S3-008 QUANTITY	38S180-S3-007 QUANTITY	38S180-M3-007 QUANTITY	TOTAL QUANTITY
(12)	105-01 CONSTRUCTION STAKES, LINES AND GRADES	LS	0.5	0.5		1
	201-01 CLEARING AND GRUBBING	LS	0.5	0.5		1
	203-01 ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	1251	968		2219
	203-03 BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	1303	4201		5504
	203-04 PLACING AND SPREADING TOPSOIL	C.Y.	330	378		708
(3)	203-06 WATER	M.G.	4	3		7
(1) (2)	209-05 SEDIMENT REMOVAL	C.Y.	63	63		126
(1) (2)	209-08.02 TEMPORARY SILT FENCE (WITH BACKING)	L.F.	3898	4600		8498
(1) (2)	209-08.07 ROCK CHECK DAM	EACH	4			4
(1) (2)	209-08.08 ENHANCED ROCK CHECK DAM	EACH	2			2
(1) (2)	209-65.03 TEMPORARY DIVERSION CHANNEL	L.F.	192			192
(5)	303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	672	778		1450
(1) (2) (4)	303-10.01 MINERAL AGGREGATE (SIZE 57)	TON	426	100	532	1058
(5)	307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	367	375		742
(5)	307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING BM-2	TON	240	302		542
(5)	402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	4	4		8
(1) (5)	402-02 AGGREGATE FOR COVER MATERIAL (PC)	TON	13	13		26
(5)	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	2	2		4
(14)	407-20.05 SAW CUTTING OF ASPHALT PAVEMENT	L.F.	437	87		524
(5)	411-01.10 ACS MIX (PG64-22) GRADING D	TON	163	181		344
	411-12.03 SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8" WIDTH)	L.M.	0.3	0.4		0.7
(5)	415-01.02 COLD PLANING BITUMINOUS PAVEMENT	S.Y.	341	68		409
	705-06.01 W BEAM GR (TYPE 2) MASH TL-3	L.F.	175	175		350
	705-06.20 TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH	4	4		8
	705-06.28 THRIE BEAM AGT (LONG SPAN) MASH TL-3	EACH	4	4		8
	706-01 GUARDRAIL REMOVED	L.F.	347	190		537
(1) (2)	707-08.11 HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	692	1038		1730
	708-02.01 MARKERS (CONCRETE R.O.W. POSTS)	EACH	12	8		20
(1) (2) (6)	709-05.05 MACHINED RIP-RAP (CLASS A-3)	TON	100	100		200
(1) (7)	709-05.06 MACHINED RIP-RAP (CLASS A-1)	TON	503			503
(1) (8)	709-05.08 MACHINED RIP-RAP (CLASS B)	TON			975	975
	712-01 TRAFFIC CONTROL	LS	0.5	0.5		1
(1)	712-05.01 WARNING LIGHTS (TYPE A)	EACH	3	3		6
(1) (9)	712-06 SIGNS (CONSTRUCTION)	S.F.	355	354		709
	712-07.03 TEMPORARY BARRICADES (TYPE III)	L.F.	40	40		80
	713-01.01 CLASS A CONCRETE (FOUNDATION FOR SIGN SUPPORTS)	C.Y.	0.5	0.5		1
	713-01.02 STEEL BAR REINFORCEMENT(FOUNDATION FOR SIGN SUPPORTS)	LB.	97	97		194
	713-06 STEEL I-BEAMS & WF-BEAMS(BREAKAWAY) SIGN SUPPORT	LB.	204	204		408
	713-11.02 PREFORATED/KNOCKOUT SQUARE TUBE POST	LBS	108	153		261
	713-11.21 P POST SLIP BASE	EACH	2	3		5
	713-13.02 FLAT SHEET ALUMINUM SIGN (0.080 THICK)	S.F.		3		3
	713-13.03 FLAT SHEET ALUMINUM SIGN (0.100 THICK)	S.F.	56	60		116
	713-15 REMOVAL OF SIGNS, POSTS AND FOOTINGS	L.S.		1		1
(1)	713-16.01 CHANGEABLE MESSAGE UNIT SIGN	EACH	1	2		3
	716-01.11 RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	16	13		29
(13)	716-01.30 REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	5	2		7
	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	0.8	0.8		1.6
	717-01 MOBILIZATION	LS	0.5	0.5		1
(11)	740-07.04 GEOGRID REINFORCEMENT TYPE 2	S.Y.	247		242	489
(1) (2) (15)	740-10.03 GEOTEXTILE (TYPE III) (EROSION CONTROL)	S.Y.	342	172		514
(11)	740-10.04 GEOTEXTILE (TYPE IV) (STABILIZATION)	S.Y.	268		272	540
(1) (2)	801-01 SEEDING (WITH MULCH)	UNIT	39	45		84
(1) (2)	801-01.07 TEMPORARY SEEDING (WITH MULCH)	UNIT	39	45		84
(1) (2)	801-02.15 FERTILIZER	TON	1	1		2
(1) (2)	801-03 WATER (SEEDING & SODDING)	M.G.	27	32		59
(1) (2)	803-01 SODDING (NEW SOD)	S.Y.	1942	2224		4166
(1) (2)	805-12.01 EROSION CONTROL BLANKET (TYPE I)	S.Y.	100	100		200

FOOTNOTES:

- (1) TO BE USED AS DIRECTED BY THE ENGINEER
- (2) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.
- (3) ITEM TO BE USED FOR EMBANKMENTS AND BASE MATERIAL PURPOSES
- (4) ITEMS INCLUDES 858 TONS FOR PAVEMENT AT BRIDGE ENDS.
- (5) SEE TABULATED QUANTITIES FOR LOCATION AND DETAILS.
- (6) ITEM TO BE USED FOR TEMP. CONSTRUCTION EXITS.
- (7) ITEM INCLUDES 58 TONS FOR SPECIAL DITCHES AND 445 TONS FOR BRIDGE ABUTMENT SLOPE STABILIZATION.
- (8) ITEM INCLUDES 975 TONS FOR BRIDGE ABUTMENT SLOPE STABILIZATION.
- (9) SEE SHEET T2 FOR SCHEDULE, ADDITIONAL SIGNS INSTALLED AS DIRECTED BY THE ENGINEER. SHALL BE PAID FOR AT THE UNIT COST FOR THIS ITEM.
- (10) NOT USED
- (11) ITEM TO BE USED FOR PAVEMENT AT BRIDGE ENDS.
- (12) ITEM INCLUDES 15 C.Y. FOR EACH PROJECT NUMBER FOR EROSION CONTROL.
- (13) FOR REMOVAL OF RAISED PAVEMENT MARKERS OUTSIDE OF RESURFACING LIMITS.
- (14) ITEM TO BE USED FOR SAWCUTTING OF PAVEMENT THROUGH MILL AND OVERLAY SECTIONS.
- (15) ITEM INCLUDES 344 S.Y. FOR TEMP. CONSTRUCTION EXITS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	38S180-S2-007	2
		38S180-M2-007	
		38S180-S2-008	
PIH	2025	38S180-S3-007	2
		38S180-M3-007	
		38S180-S3-008	
PS&E	2026	38S180-S3-007	2
		38S180-M3-007	
		38S180-S3-008	

REV. 1-22-2026
 REVISED QUANTITIES 303-10.01, 716-12.02, 740-07.04, AND 740-10.04.
 REMOVED QUANTITIES 716-08.30 AND 716-09.86. REVISED FOOTNOTES 4, 10 AND 13.



**STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION**

**ESTIMATED
 ROADWAY
 QUANTITIES**

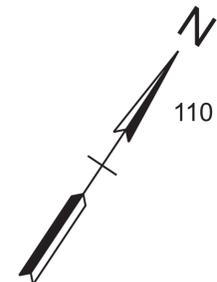
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	38S180-S2-007	13
		38S180-M2-007	
		38S180-S2-008	
PIH	2025	38S180-S3-007	13
		38S180-M3-007	
		38S180-S3-008	
PS&E	2026	38S180-S3-007	13
		38S180-M3-007	
		38S180-S3-008	

REV. 1-22-2026
 REVISED NOTE REGARDING REMOVAL
 OF PAVEMENT MARKING.

100

105

110



BEGIN PROJECT NO. 38S180-S2-008 R.O.W.

STA. 101+64.77

N 533581.9872 E 961483.2985

BEGIN PROJECT NO. 38S180-S3-008 CONST.

STA. 101+86.88

N 533594.2477 E 961501.6977

END PROJECT NO. 38S180-S2-008 R.O.W.

STA. 109+64.81

N 534025.6305 E 962149.0647

STA 100+00.00
 N 533490.6178
 E 961346.1825

CONSTRUCT 392' OF 6" DSYL
 AND REMOVE EXISTING
 RAISED PAVEMENT MARKERS

S.R. 180

6" SSWL W/
 8" NON-CONTINUOUS RUMBLE STRIP

6" SSWL W/
 8" NON-CONTINUOUS RUMBLE STRIP

6" DSYL
 6" SSWL W/
 8" NON-CONTINUOUS RUMBLE STRIP

6" DSYL
 6" SSWL W/
 8" NON-CONTINUOUS RUMBLE STRIP

N56°19'19"E

S.R. 180

MATCH LINE STA. 111+00 SEE SHEET NO. 14

OVERFLOW

OVERFLOW

END PROJECT NO. 38S180-S3-008 CONST.

BEGIN PROJECT NO. 38S180-S3-007 CONST.

BEGIN PROJECT NO. 38S180-M3-007 CONST.

STA. 111+00.00

N 534100.5969 E 962261.5652

NOTE: SEE SIGN SCHEDULE SHEET 15 AND TRAFFIC CONTROL
 SHEET T2 FOR LOCATION AND SIZE OF PROJECT INFORMATION
 SIGNS NO. I2-5 AND D12-5

SEALED BY



COORDINATES ARE NAD 83(2011), ARE
 DATUM ADJUSTED BY THE FACTOR
 OF 1.00006 AND TIED TO THE TGRN.
 ALL ELEVATIONS ARE REFERENCED
 TO THE NAVD 1988 WITH GEOID 2018.

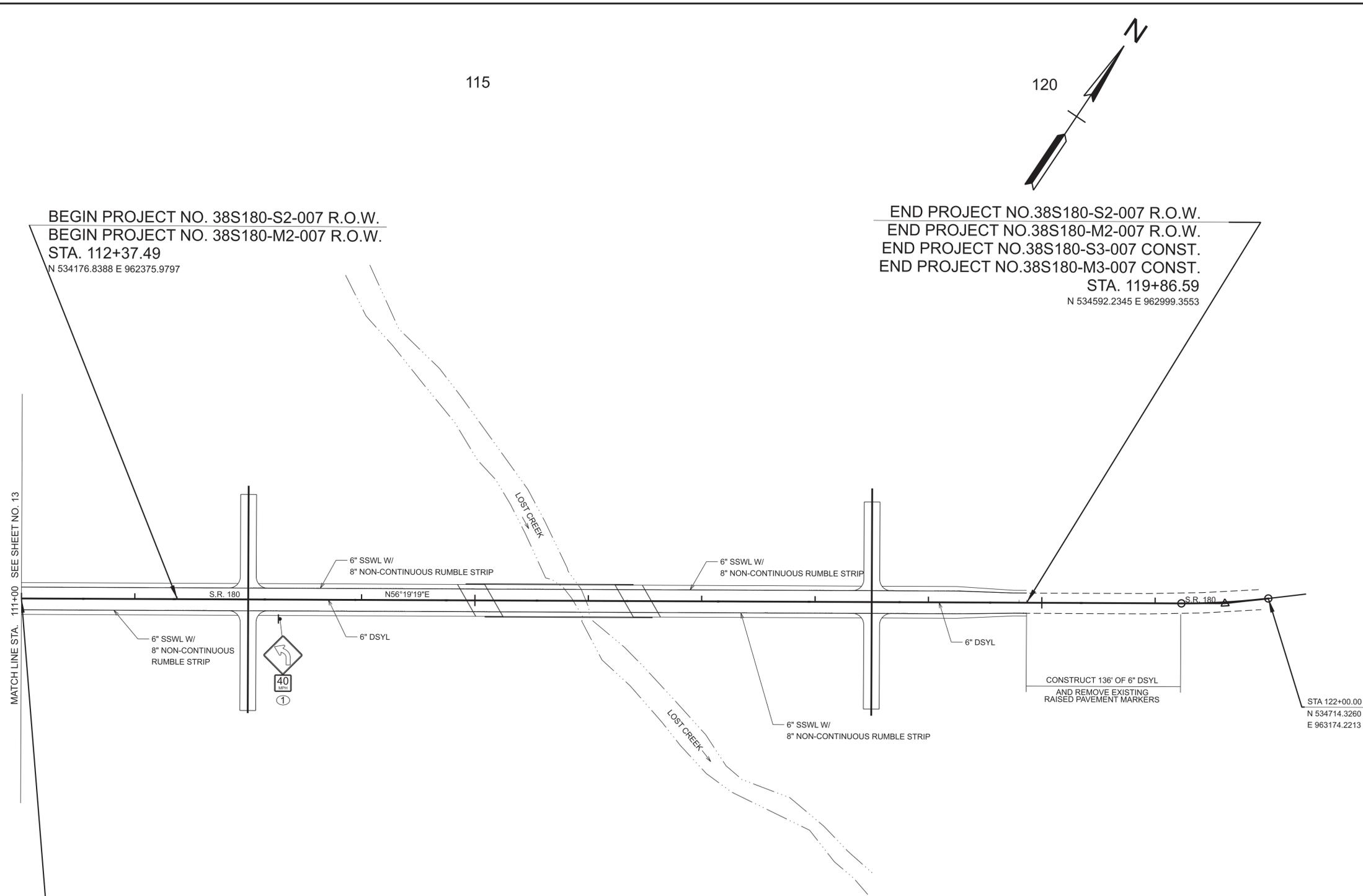
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

SIGNING AND
 PAVEMENT
 MARKING

PLAN
 STA. 100+00.00 TO STA. 111+00.00
 SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	38S180-S2-007	14
		38S180-M2-007	
		38S180-S2-008	
PIH	2025	38S180-S3-007	14
		38S180-M3-007	
		38S180-S3-008	
PS&E	2026	38S180-S3-007	14
		38S180-M3-007	
		38S180-S3-008	

REV. 1-22-2026
 REVISED NOTE REGARDING REMOVAL
 OF PAVEMENT MARKING.



BEGIN PROJECT NO. 38S180-S2-007 R.O.W.
 BEGIN PROJECT NO. 38S180-M2-007 R.O.W.
 STA. 112+37.49
 N 534176.8388 E 962375.9797

END PROJECT NO. 38S180-S2-007 R.O.W.
 END PROJECT NO. 38S180-M2-007 R.O.W.
 END PROJECT NO. 38S180-S3-007 CONST.
 END PROJECT NO. 38S180-M3-007 CONST.
 STA. 119+86.59
 N 534592.2345 E 962999.3553

BEGIN PROJECT NO. 38S180-S3-007 CONST.
 BEGIN PROJECT NO. 38S180-M3-007 CONST.
 END PROJECT NO. 38S180-S3-008 CONST.
 STA. 111+00.00
 N 534100.5969 E 962261.5652

CONSTRUCT 136' OF 6" DSYL
 AND REMOVE EXISTING
 RAISED PAVEMENT MARKERS

STA 122+00.00
 N 534714.3260
 E 963174.2213

NOTE: SEE SIGN SCHEDULE SHEET 15 AND TRAFFIC CONTROL
 SHEET T2 FOR LOCATION AND SIZE OF PROJECT INFORMATION
 SIGNS NO. I2-5 AND D12-5

SEALED BY



COORDINATES ARE NAD 83(2011), ARE
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STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

SIGNING AND
 PAVEMENT
 MARKING

PLAN
 STA. 111+00.00 TO STA. 122+00.00
 SCALE: 1" = 50'