THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Michael Morris Digitally signed by Michael Morris Date: 2025.02.14 11:47:47 -06'00'

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

COMPANY NAME NEEL-SCHAFFER, INC.
ADDRESS 210 25TH AVENUE NORTH
SUITE 800
CITY, STATE NASHVILLE, TN
PE NAME, PE NUMBER MICHAEL W. MORRIS, P.E. NO. 107385

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-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD ROADWAY DRAWINGS	1A1
ESTIMATED ROADWAY QUANTITIES	2, 2-1
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B, 2B1
GENERAL NOTES	2C, 2C1
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 – 3C
PRESENT LAYOUT(S)	4 – 7
RIGHT OF WAY DETAILS	4A – 7A
PROPOSED LAYOUT(S)	4B – 7B
PROPOSED PROFILE(S)	4C – 7C
SIDE ROADS PROFILE(S)	8 – 9
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILE(S)	10
DRAINAGE MAP(S)	11
CULVERT SECTION(S)	12 – 13
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	14 – 24
ROADWAY CROSS SECTIONS	32 – 52
SIDE ROAD CROSS SECTIONS	53 – 55
TRAFFIC CONTROL PLANS	T1 – T16

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Trey Todd 2025.02.14 12:31:39 -06'00'

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

COMPANY NAME NEEL-SCHAFFER, INC.
ADDRESS 201 E MAIN STREET
SUITE 325
CITY, STATE MURFREESBORO, TN
PE NAME, PE NUMBER WILLIAM E. TODD, III, P.E. NO. 122054

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-SIGN1
STANDARD STRUCTURE AND TRAFFIC DESIGN DRAWINGS	1A2
SIGNING AND PAVEMENT MARKING PLAN(S)	25 – 29
SIGN SCHEDULE SHEET(S)	30 – 31
SIGNAL PLANS	56
SIGNAL DETAILS	56A
SIGNAL PHASING AND TIMING	56B

YEAR	PROJECT NO.	SHEET NO.
2025	HSIP-10(86)	ROADWAY-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

2/11/2025 3:27:39 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-SIGNATURE.DGN

Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

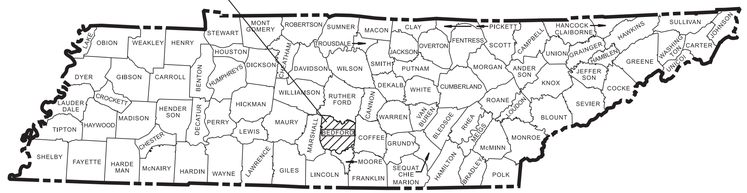
DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES	NO X
WORK ZONE SIGNIFICANCE DETERMINATION		
SIGNIFICANT	YES X	NO

TENN.	YEAR	SHEET NO.
	2025	1
FED. AID PROJ. NO.	HSIP-10(86)	
STATE PROJ. NO.	02S010-F3-002	

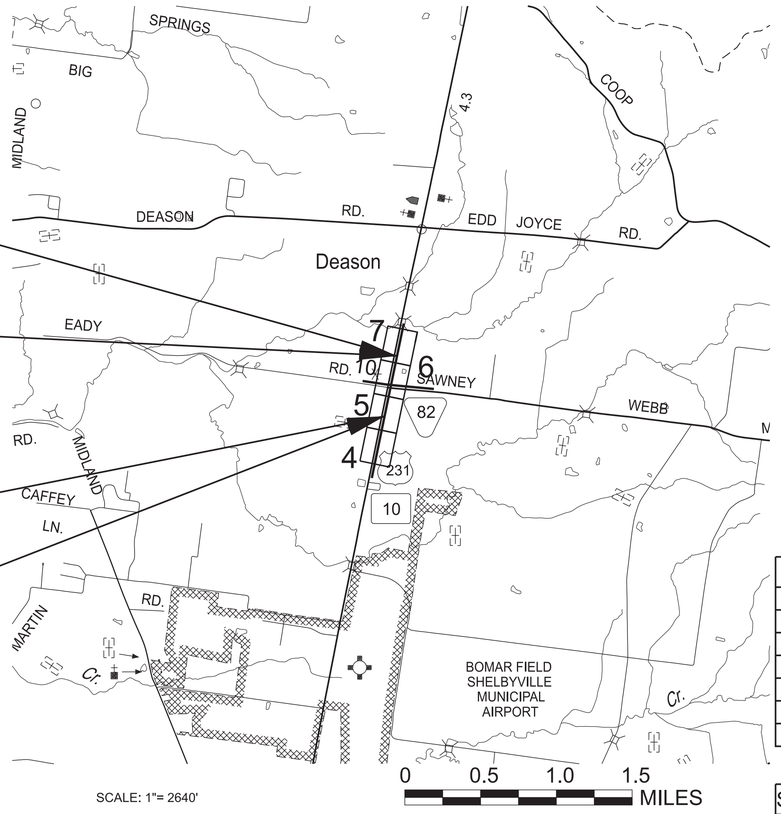
BEDFORD

SR-10 (US-231), INTERSECTION AT
SR-82 (SAWNEY WEBB MEMORIAL HWY)

PROJECT LOCATION



NO EXCLUSIONS



SCALE: 1"= 2640'

02S010-F3-002
END PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 143+40.72 SR-10
N 458163.0722 E 1837912.0848

02S010-F1-002
END PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 143+40.72 SR-10
N 458163.0722 E 1837912.0848

PROJECT OF LIMITED SCOPE

02S010-F3-002
BEGIN PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 122+00.00 SR-10
N 456066.7745 E 1837478.2274

02S010-F1-002
BEGIN PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 122+00.00 SR-10
N 456066.7745 E 1837478.2274

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2021 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT SENIOR TRANSPORTATION ENGINEER : KEVIN COUNTS, P.E.

DESIGNED BY : NEEL-SCHAFFER, INC.

DESIGNER : MICHAEL MORRIS, P.E. CHECKED BY STEVE LAMM, P.E.

P.E. NO. 02S010-F1-002 (DESIGN)

PIN NO. 131795.00

FUNCTIONAL LENGTH	0.000 MILES
ROADWAY LENGTH	0.405 MILES
BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES ▲
PROJECT LENGTH	0.405 MILES

▲ Not included in the project length (Non Riding Surface).

EADY RD.

TRAFFIC DATA	
ADT (2025)	650
ADT (2045)	850
DHV (2045)	84
D	50 - 50
T (ADT)	15 %
T (DHV)	10 %
V	30 MPH

STATE ROUTE 82

TRAFFIC DATA	
ADT (2025)	3840
ADT (2045)	5000
DHV (2045)	453
D	55 - 45
T (ADT)	3 %
T (DHV)	2 %
V	55 MPH

STATE ROUTE 10

SURVEY 10- 3-23	TRAFFIC DATA	
	ADT (2025)	20340
	ADT (2045)	26440
	DHV (2045)	2698
	D	50 - 50
	T (ADT)	9 %
	T (DHV)	6 %
	V	50 MPH

COORDINATES ARE NAD/83(1995) (2011 ADJUSTMENT) ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 USING GEOID 18

SEALED BY
MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107545
STATE OF TENNESSEE
02/12/2025

APPROVED:
WILL REID, CHIEF ENGINEER

DATE:

APPROVED:
HOWARD H. ELEY, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:
DIVISION ADMINISTRATOR DATE

2/11/2025 4:05:15 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TITLE.DGN

ROADWAY INDEX

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

NO PROJECT COMMITMENTS INCLUDED IN THIS SET OF PLANS

STANDARD ROADWAY DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	1A
PS&E	2025	HSIP-10(86)	1A

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-3	03-01-23	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	10-01-24	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
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-TS-1A	06-28-19	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD11-TS-3		DESIGN STANDARD FOR ARTERIAL HIGHWAYS (2-LANE)
RD11-TS-3A	06-28-19	DESIGN STANDARDS FOR ARTERIAL HIGHWAYS WITH DEPRESSED MEDIAN (4 AND 6 LANE)
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD11-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD11-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD11-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
RD11-SD-5		INTERSECTION SIGHT DISTANCE 4-LANE DIVIDED HIGHWAYS
RD-UD-3	01-09-24	UNDERDRAIN DETAILS
RD-UD-4	06-28-19	UNDERDRAIN LATERAL DETAILS
RD-UD-7	06-28-19	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 3:1 & 4:1 SLOPES
RD-UD-8	06-28-19	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 5:1 SLOPES
RD-UD-9	06-28-19	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 6:1 SLOPES
10-102.00 PIPE CULVERTS AND ENDWALLS		
D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-3	11-30-20	INDUCED TRENCH SOIL EMBANKMENT FOR PIPE CULVERT INSTALLATION
D-PB-4	01-09-24	PIPE COLLAR DETAILS
D-PE-18A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-18B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-24A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 24" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-24B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 24" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-99	03-04-21	TYPE "U" CROSS DRAIN ENDWALL DETAILS, PIPE GRATE & SKEWED CONNECTION
D-SEW-1A	07-07-23	TYPE "SAFETY" SIDE ENDWALL WITH STEEL PIPE GRATE, FOR 15" THRU 48" PIPES, 6:1 SLOPE
10-103.00 CATCH BASINS AND MANHOLES		
D-MH-2	02-20-20	STANDARD PRECAST NO. 3 MANHOLE
D-MH-3	02-20-20	TYPICAL DESIGN OF LIDS FOR NO. 3 MANHOLE
D-MH-4	02-20-20	STANDARD NO. 3 MANHOLE CASTINGS AND STEPS
D-RMH-1		PRECAST MANHOLE STRUCTURES (48” THRU 120”)
D-RF-1	07-30-24	STANDARD PRECAST RISER
10-104.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES		
S-F-1	03-01-23	HIGH VISIBILITY FENCE
10-106.00 SAFETY DESIGN AND GUARDRAILS		
S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
S-CC-1	10-01-24	CRASH CUSHION
10-107.00 EROSION PREVENTION AND SEDIMENT CONTROL		
EC-STR-3B	06-15-21	SILT FENCE
EC-STR-3C	03-01-23	SILT FENCE WITH WIRE BACKING
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-8	06-10-14	FILTER SOCK
EC-STR-37	06-10-14	SEDIMENT TUBE
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-11	03-16-17	CULVERT PROTECTION TYPE 1
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
10-204.00 DESIGN - TRAFFIC CONTROL		
T-M-1	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	01-24-25	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS
T-M-4	01-24-25	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-15A	01-24-25	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED RURAL ROUTES
T-M-16	01-24-25	RUMBLE STRIPE INSTALLATION LAYOUT
T-M-16A	01-24-25	RUMBLE STRIPE DETAILS FOR EDGE OF PAVEMENT AND CENTERLINE
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-11	03-04-21	ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS

SEALED BY

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

2/12/2025 2:53:29 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-INDEXSTDDWG.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	1A1
PS&E	2025	HSIP-10(86)	1A1

STANDARD ROADWAY DRAWINGS

DWG. NO.	REV.	DESCRIPTION
T-WZ-18	07-07-23	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-WZ-36	03-05-17	LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY
T-WZ-40	03-05-17	RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-41	03-05-17	LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-FAB1		FLASHING YELLOW ARROW BOARD
T-WZ-PBR1	12-09-22	INTERCONNECTED PORTABLE BARRIER RAIL
T-WZ-PBR2	02-28-20	DETAILS FOR WORK ZONE CHANNELIZATION DEVICES
T-WZ-PCB1	10-10-24	10 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB2	10-01-24	20 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB3	01-28-22	PORTABLE CONCRETE BARRIER RAIL DETAILS
T-WZ-PCB4	12-09-22	PORTABLE CONCRETE BARRIER RAIL ANCHOR PIN DETAILS

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107383
STATE OF TENNESSEE

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD
ROADWAY
DRAWINGS

2/12/2025 2:43:54 PM
Y:\PROJECTS\001500\001800\018023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-INDEXSTDDWG.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	1A2
PS&E	2025	HSIP-10(86)	1A2

STANDARD STRUCTURE AND TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION

STANDARD TRAFFIC DESIGN DRAWINGS

10-200.00 SIGN

T-S-7	02-12-91	HIGHWAY SHIELDS USED ON INTERSTATE AND U.S.. NUMBERED ROUTES
T-S-8	07-15-91	HIGHWAY SHIELDS USED ON STATE NUMBERED ROUTES AND ARROWS
T-S-9	06-10-14	STANDARD LAYOUT - GROUND MOUNTED SIGNS
T-S-10	04-04-12	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS, ALUMINUM-STEEL DESIGN
T-S-12	07-10-17	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, SQUARE TUBES
T-S-13	10-21-19	I-BEAM BREAK-AWAY LARGE SIGN SUPPORT DETAILS
T-S-16	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-17	07-11-17	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-19	06-12-20	STANDARD STEEL SIGN SUPPORTS
T-S-20	07-11-17	SIGN DETAILS
T-S-23A	07-11-17	MULTI-DIRECTIONAL SLIP BASE BREAKAWAY P-POST SIGN SUPPORT
T-S-23C	07-02-15	BREAKWAY POST SIGN SUPPORTS
T-S-24	08-02-13	DETAILS OF SIGN WITH SOLAR FLASHING ASSEMBLY

10-201.00 SIGNALS

T-SG-2	06-27-16	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-3	07-11-17	STANDARD NOTES AND DETAILS OF INDUCTIVE LOOPS
T-SG-3A	06-27-16	ALTERNATE DETECTION DETAILS
T-SG-5	06-27-16	CONTROLLER CABINET DETAILS
T-SG-7	10-21-19	SIGNAL HEAD ASSEMBLIES
T-SG-7C		TYPICAL SIGNAL HEAD PLACEMENT ONE-LANE AND TWO-LANE APPROACHES
T-SG-7D	09-12-23	TYPICAL SIGNAL HEAD PLACEMENT TWO-LANE APPROACHES
T-SG-7L	10-21-19	TYPICAL SIGNAL HEAD PLACEMENT FOUR-LANE APPROACHES
T-SG-9	07-15-24	DETAILS OF CANTILEVER SIGNAL SUPPORT
T-SG-9A	07-12-17	MISCELLANEOUS SIGNAL DETAILS
T-SG-10	09-12-23	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
T-SG-12	12-20-19	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS

STANDARD STRUCTURE DRAWINGS

NEW STRUCTURES

STD-8-4	SIGN, LUMINAIRE, AND TRAFFIC SIGNAL SUPPORTS

SEALED BY

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD STRUCTURE AND TRAFFIC DESIGN DRAWINGS

2/11/2025 3:28:19 PM
Y:\PROJECTS\001500\001800\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICOPSSTDDWG.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	2
PS&E	2025	HSIP-10(86)	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 02S010-F3-002
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
(14)	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
(1),(2),(3)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	1907
(1)	203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	459
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	353
	203-06	WATER	M.G.	22
(2),(3)	209-05	SEDIMENT REMOVAL	C.Y.	102
(2),(3)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	55
(2),(3)	209-08.03	TEMPORARY SILT FENCE	L.F.	825
(2),(3)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	1
(2),(3)	209-08.09	FILTER SOCK CHECK DAM	EACH	2
(2),(3)	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	2
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	1849
(2),(3)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	17
	307-01.21	ASP. CONC. MIX(PG70-22) (BPMB-HM) GR. A-S	TON	597
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	628
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	496
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	6
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	23
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	21
	407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	1323
	411-02.10	ACS MIX(PG70-22) GRADING D	TON	2352
	411-12.01	SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)	L.M.	0.16
	411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	0.55
	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	1801
	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	8
	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	330
	611-01.02	MANHOLES, > 4' TO 8' DEPTH	EACH	1
	611-07.31	18IN ENDWALL (SIDE DRAIN)	EACH	1
	611-07.32	24IN ENDWALL (SIDE DRAIN)	EACH	2
	705-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	85
	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	1800
(2),(3),(19)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	201
(2),(3)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	91
	710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	L.F.	1015
	710-05	LATERAL UNDERDRAIN	L.F.	112
	710-06.15	LATERAL UNDERDRAIN ENDWALL (6:1)	EACH	5
	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	2920
	712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	7
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	173
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	40
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	43
	712-06	SIGNS (CONSTRUCTION)	S.F.	903
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	20
(4)	712-08.03	ARROW BOARD (TYPE C)	EACH	2
	713-11.01	"U" SECTION STEEL POSTS	LB.	23
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	1778
	713-11.21	P POST SLIP BASE	EACH	44
	713-11.22	U POST SLIP BASE	EACH	1
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	294
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	86
(15)	713-14.21	STREET NAME SIGN (RIGID 0.100IN THICK)	S.F.	32
(5)	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-15.02	REMOVAL & RELOCATION OF SIGN & SUPPORT	EACH	2
(16)	713-15.07	SUSPENDED FLAT SHEET ALUMINUM SIGN (0.080" THICK)	EACH	4
(4)	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4
(12)	713-16.11	SOLAR FLASHING ASSEMBLY (WITH 48" SIGN)	EACH	8
	716-01.21	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	109
	716-01.23	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR)(2 COLOR)	EACH	150
(6)	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	192

SEE SHEET 2-1 FOR FOOTNOTES

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 02S010-F3-002
(6)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	172
(6)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	11
(6)	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	1003
(6)	716-02.12	PLASTIC PAVEMENT MARKING (8IN LINE)	L.M.	0.1
(6)	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	1
(6)	716-04.04	PLASTIC PAVEMENT MARKING (TRANSVERSE SHOULDER)	L.F.	1347
	716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	7067
	716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	164
	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	0.57
	716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	435
	716-08.05	REMOVAL OF PAVEMENT MARKING (STOP LINE)	L.F.	27
	716-08.06	REMOVAL OF PAVEMENT MARKING (TURN LANE ARROW)	EACH	2
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKING (6IN LINE)	L.M.	2.25
	717-01	MOBILIZATION	LS	1
	730-02.09	SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE)	EACH	6
	730-02.14	SIGNAL HEAD ASSEMBLY (140 A1 WITH BACKPLATE)	EACH	2
	730-02.57	SIGNAL HEAD ASSEMBLY (140 A3F WITH BACKPLATE)	EACH	2
	730-02.59	SIGNAL HEAD ASSEMBLY (140 A4F WITH BACKPLATE)	EACH	2
	730-03.21	INSTALL PULL BOX (TYPE B)	EACH	4
(7)	730-05.01	ELECTRICAL SERVICE CONNECTION	EACH	1
	730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	1160
	730-12.02	CONDUIT 2" DIAMETER (PVC SCHEDULE 40)	L.F.	200
(21)	730-12.23	CONDUIT 2" DIAMETER (DIRECTIONAL BORE)	L.F.	755
(17)	730-13.12	VEHICLE DETECTOR (RADAR - STOP LINE)	EACH	4
(18)	730-13.13	VEHICLE DETECTOR (RADAR - ADVANCE)	EACH	3
	730-15.32	CABINET (EIGHT PHASE BASE MOUNTED)	EACH	1
	730-16.04	CONTROLLER (ATC)	EACH	1
(11)	730-23.88	CANTILEVER SIGNAL SUPPORT (1 ARM @ 45')	EACH	1
(11)	730-25.07	CANTILEVER SIGNAL SUPPORT (1 ARM @ 55')	EACH	1
(11)	730-25.17	CANTILEVER SIGNAL SUPPORT (1 ARM @ 85')	EACH	2
(13)	730-40	TEMPORARY TRAFFIC SIGNAL SYSTEM	EACH	1
(2),(3),(20)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	559
(2),(3)	740-11.02	TEMPORARY SEDIMENT TUBE 12IN	L.F.	225
(2),(3),(8)	801-01	SEEDING (WITH MULCH)	UNIT	56
(2),(3),(8)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	112
(2),(3),(9)	801-03	WATER (SEEDING & SODDING)	M.G.	17
(10)	806-02.03	PROJECT MOWING	CYCL	2

SEE SHEET 2-1 FOR FOOTNOTES

SEALED BY

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	2-1
PS&E	2025	HSIP-10(86)	2-1

FOOTNOTES

(1) SEE SPECIAL NOTES.

(2) SEE SUBSECTION 209.07 OF STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.

(3) ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.

(4) ITEM TO BE USED AT THE DIRECTION OF THE ENGINEER.

(5) REFER TO SIGNING AND MARKING PLANS FOR SIGN DESCRIPTIONS. ITEM INCLUDES VARYING SIZES OF SIGNS ON 1- & 2- POST SUPPORTS. SIGN PANELS SHALL BE RELOCATED TO NEW SUPPORTS AS SHOWN IN PLANS.

(6) THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.

(7) CONTRACTOR SHALL HAVE EARLY COORDINATION WITH UTILITY OWNER TO DETERMINE ALL MATERIAL REQUIREMENTS AND COSTS FOR PROVIDING ELECTRICAL SERVICE. ITEM SHALL PROVIDE ALL MATERIAL AND LABOR NECESSARY TO PROVIDE POWER SERVICE PER LOCAL UTILITY REQUIREMENTS.

(8) THE COST OF FERTILIZER AND LIME USED IN INITIAL SEED BED PREPARATION IS TO BE INCLUDED IN THE COST OF SEEDING. SEE SECTION 801 OF TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

(9) INCLUDES 17 THOUSAND GALLONS (M.G.) FOR EROSION PREVENTION AND SEDIMENT CONTROL.

(10) ITEM INCLUDES LITTER AND TRASH REMOVAL. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY BUT WILL BE INCLUDED IN THE COST OF ITEM NO. 806-02.03 PROJECT MOWING PER CYCLE.

(11) SEE SPECIAL PROVISION 700SIG FOR POLE DESIGN REQUIREMENTS. BID ITEM SHALL INCLUDE THE COST OF ALL MATERIALS AND LABOR NECESSARY FOR COMPLETE INSTALLATION OF THE POLE FOUNDATION. SELECT THE APPROPRIATE FOUNDATION DESIGN FROM STANDARD DRAWING T-SG-10.

(12) ITEM SHALL BE SINGLE 12" LED SOLAR POWERED YELLOW FLASHING BEACON MOUNTED ON SIGNAL AHEAD ADVANCE WARNING SIGN AS SHOWN ON PROPOSED LAYOUT. WHEN ASSEMBLY IS USED, THE COST SHALL INCLUDE POSTS, WARNING SIGNS, SOLAR ASSEMBLY, BATTERY AND CABINET/CASE, CABLE/CONDUIT, AND MOUNTING HARDWARE.

(13) ITEM TO BE USED AT THE DISCRETION OF THE ENGINEER AND CONTRACTOR. SYSTEM SHALL PROVIDE FULLY FUNCTIONAL ACTUATED SIGNAL OPERATION DURING CONSTRUCTION PHASING AS REQUIRED.

(14) REFER TO TABULATED QUANTITIES FOR DESCRIPTION AND LOCATION OF REMOVAL ITEMS.

(15) COST OF INSTALLATION AND HARDWARE TO BE INCLUDED IN THE PRICE BID FOR THIS ITEM. SEE SIGN SCHEDULE FOR DETAILS.

(16) INCLUDES: 2 EACH R10-12A AND 2-EACH R10-12A (MOD.)

(17) INCLUDES ALL SENSOR UNITS, HARDWARE, SOFTWARE, MOUNTING ASSEMBLIES, 1000 LF OF POWER CABLE, SURGE PROTECTION, AND ANY RELATED EQUIPMENT TO PROVIDE ACTIVE DETECTION ZONES SHOWN ON PLANS. CONTRACTOR TO ENSURE COMPATIBILITY WITH SIGNAL CONTROLLER

(18) INCLUDES ALL SENSOR UNITS, HARDWARE, SOFTWARE, MOUNTING ASSEMBLIES, 435 LF OF POWER CABLE, SURGE PROTECTION, AND ANY RELATED EQUIPMENT TO PROVIDE ACTIVE DETECTION ZONES SHOWN ON PLANS. CONTRACTOR TO ENSURE COMPATIBILITY WITH SIGNAL CONTROLLER

FOOTNOTES

(19) INCLUDES 150 TONS USED FOR TEMPORARY CONSTRUCTION EXITS.

(20) INCLUDES 258 S.Y. USED FOR TEMPORARY CONSTRUCTION EXITS.

(21) ITEM SHALL BE SCHEDULE 80 PVC

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107585
STATE OF TENNESSEE

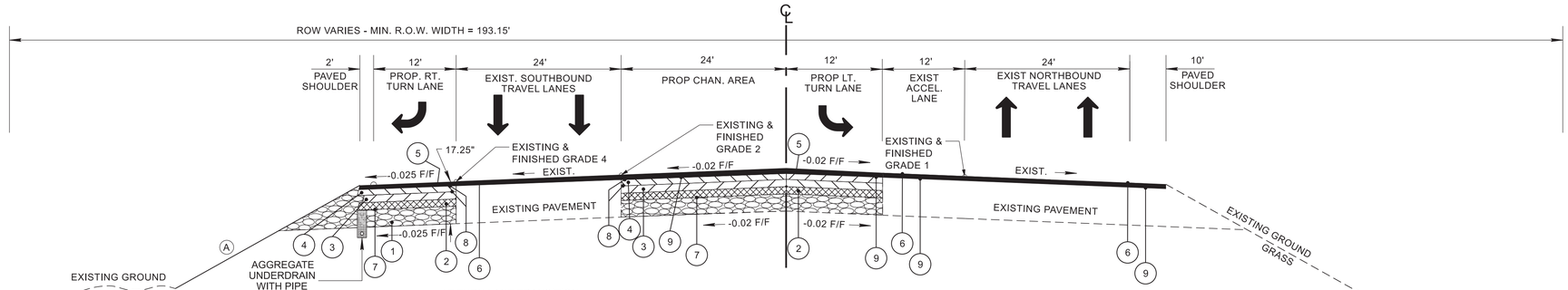
02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

2/12/2025 2:44:35 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-ESTIMATED FOOTNOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	2B
PIH	2025	HSIP-10(86)	2B
PS&E	2025	HSIP-10(86)	2B



LT TURN LANE TRANSITION
LT LANE TRANS. 12' TO 0' FROM STA. 133+66.96 TO STA. 140+06.96
SHOULDER TRANS. 0' TO 4' FROM STA. 133+66.96 TO STA. 140+06.96

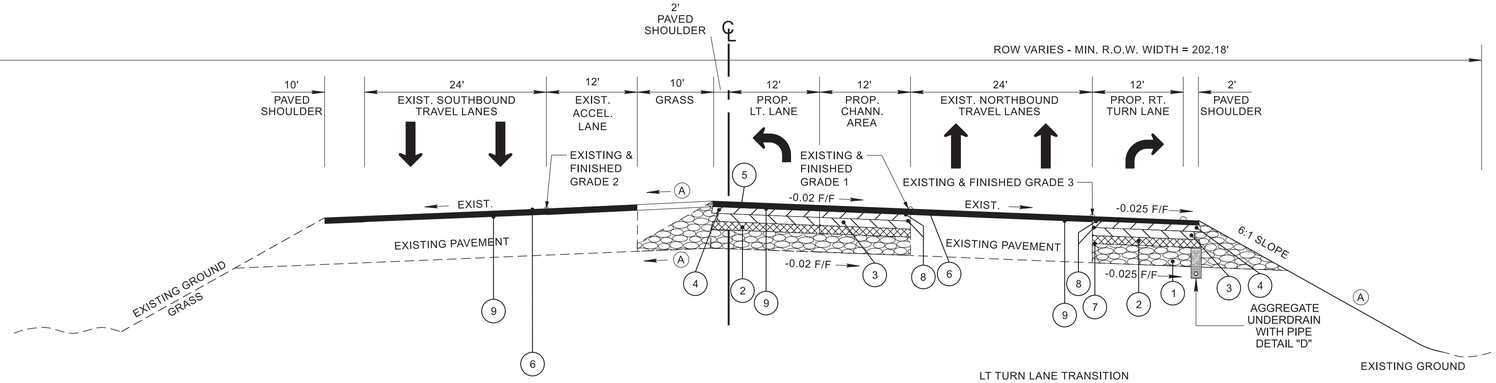
RT TURN LANE TRANSITION
SHOULDER TRANS. 2' TO 10' FROM STA. 133+66.96 TO STA. 136+66.96
TURN LANE TRANS. 12' TO 0' FROM STA. 133+66.96 TO STA. 136+66.96

TYPICAL SECTION SR-10 (LEFT)

(BASED ON STD. DWG. RD11-TS-3A)

FROM STA. 133+66.96 TO STA. 140+06.96

(A) SLOPE VARIES - SEE CROSS-SECTIONS. ALL SLOPES TO BE SEEDED AND MULCHED. SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.



LT TURN LANE TRANSITION
TURN LANE TRANS. 0' TO 12' FROM STA. 127+25.84 TO STA. 130+85.84
SHOULDER TRANS. 4' TO 2' FROM STA. 127+25.84 TO STA. 130+85.84

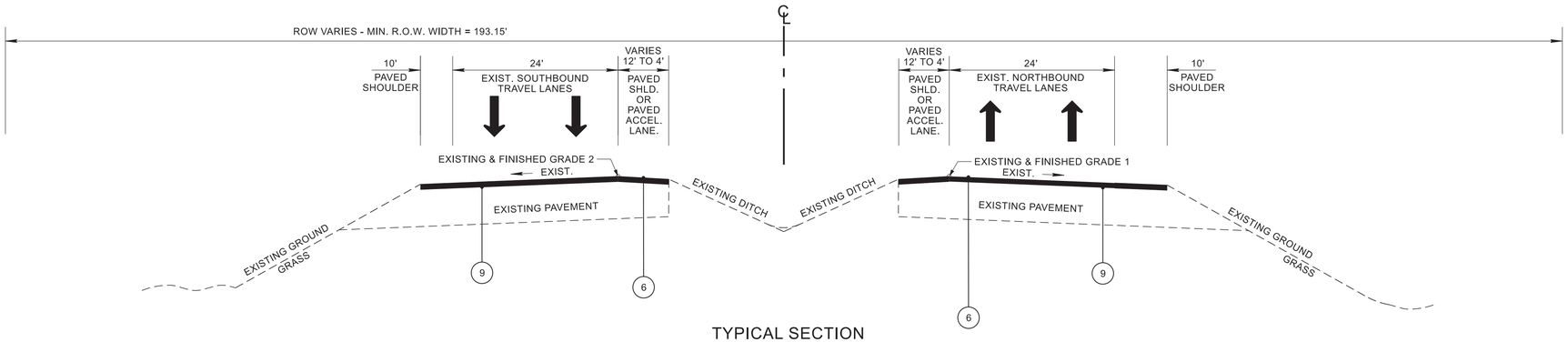
RT TURN LANE TRANSITION
SHOULDER TRANS. 10' TO 2' FROM STA. 127+55.84 TO STA. 129+50.84
TURN LANE TRANS. 0' TO 12' FROM STA. 127+55.84 TO STA. 129+50.84

TYPICAL SECTION SR-10 (RIGHT)

(BASED ON STD. DWG. RD11-TS-3A)

FROM STA. 127+25.84 TO STA. 132+45.62

(A) SLOPE VARIES - SEE CROSS-SECTIONS. ALL SLOPES TO BE SEEDED AND MULCHED. SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.



TYPICAL SECTION EXIST SR-10

(BASED ON STD. DWG. RD11-TS-3A)

FROM STA. 122+00.00 TO STA. 127+25.84
FROM STA. 132+45.62 TO STA. 133+66.96
FROM STA. 140+06.96 TO STA. 143+40.72

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107585
STATE OF TENNESSEE

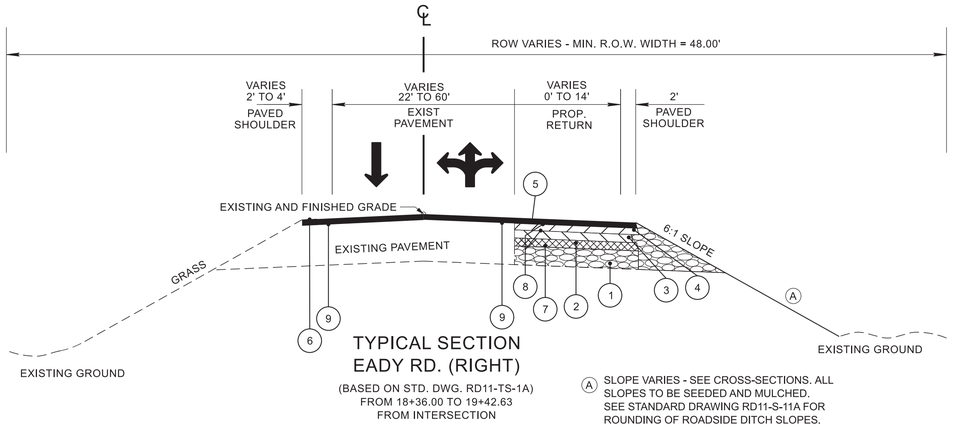
02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

2/11/2025 3:29:49 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TYPICAL SECTIONS.DGN

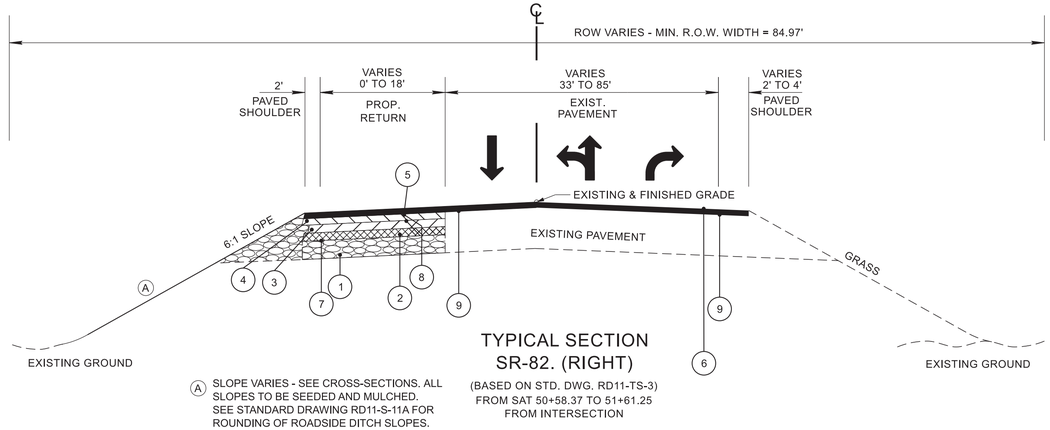
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	2B1
PIH	2025	HSIP-10(86)	2B1
PS&E	2025	HSIP-10(86)	2B1



TYPICAL SECTION
EADY RD. (RIGHT)

(BASED ON STD. DWG. RD11-TS-1A)
FROM 18+36.00 TO 19+42.63
FROM INTERSECTION

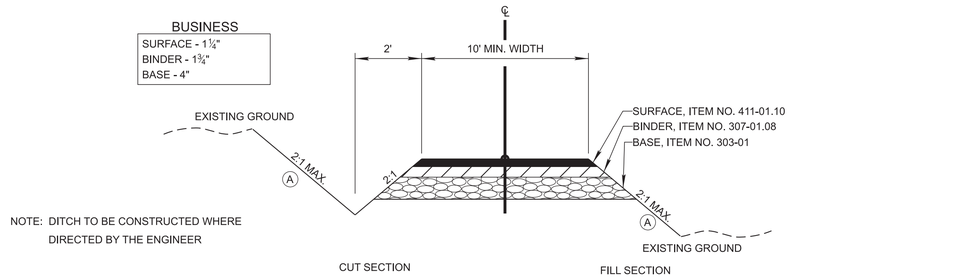
(A) SLOPE VARIES - SEE CROSS-SECTIONS. ALL SLOPES TO BE SEEDED AND MULCHED. SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.



TYPICAL SECTION
SR-82. (RIGHT)

(BASED ON STD. DWG. RD11-TS-3)
FROM SAT 50+58.37 TO 51+61.25
FROM INTERSECTION

(A) SLOPE VARIES - SEE CROSS-SECTIONS. ALL SLOPES TO BE SEEDED AND MULCHED. SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.



TYPICAL SECTION
PRIVATE DRIVE TO BUSINESS PROPERTY

(A) SLOPE VARIES - SEE CROSS-SECTIONS. ALL SLOPES TO BE SEEDED AND MULCHED. SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.

PROPOSED PAVEMENT SCHEDULE

(1) MINERAL AGGREGATE @ 4" THICK
- 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"

(2) BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22 GRADING "A-S" @ 3.00" THICK (APPROX. 318 LB./S.Y.)
- 307-01.21 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A-S"

(3) BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22 GRADING "A" @ 3.00" THICK (APPROX. 345 LB./S.Y.)
- 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A"

(4) BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22 GRADING "B-M2" @ 2.00" THICK (APPROX. 226 LB./S.Y.)
- 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "B-M2"

(5) ASPHALTIC CONCRETE SURFACE (HOT MIX) PG70-22 GRADING "D" SURFACE @ 1.25" THICK (APPROX. 132.5 LB./S.Y.)
- 411-02.10 ACS MIX (PG70-22) GRADING "D"

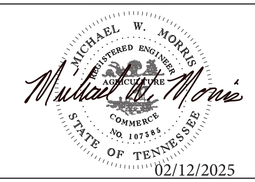
(6) COLD PLANING & ASPHALTIC CONCRETE SURFACE (HOT MIX) PG70-22 OVERLAY GRADING "D" SURFACE
- 411-02.10 ACS MIX (PG70-22) GRADING "D" @ 1.25" THICK (APPROX. 132.5 LB./S.Y.)
- 415-01.01 COLD PLANING BITUMINOUS PAVEMENT@ 1.25" THICK (APPROX. 131.25 LB./S.Y.)

(7) PRIME COAT
- 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) @ 0.35 GALLONS/S.Y.
- 402-02 AGGREGATE FOR COVER MATERIAL (PC) @ 12 LB./S.Y.

(8) TACK COAT
- 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) @ 0.07 GALLONS/S.Y.

(9) TACK COAT
- 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) @ 0.10 GALLONS/S.Y.

SEALED BY



02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

2/11/2025 3:29:49 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TYPICAL SECTIONS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	2C
PS&E	2025	HSIP-10(86)	2C

GENERAL NOTES

GRADING

(1) ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.

(2) CERTIFICATION FOR ALL BORROW PITS MUST BE OBTAINED IN ACCORDANCE WITH SUBSECTION 107.06 OF THE STANDARD SPECIFICATIONS.

(3) THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL EITHER ON OR OFF STATE-OWNED R.O.W. IN A REGULATORY FLOOD WAY AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) WITHOUT APPROVAL BY FEMA. ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NON-WETLAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATERCOURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE OR LOCAL AGENCY.

SEEDING AND SODDING

(4) ITEM NO. 801-01, SEEDING (WITH MULCH), SHALL BE USED WHERE EROSION CONTROL BLANKET OR SOD ARE NOT APPLIED.

DRAINAGE

(1) THE CONTRACTOR SHALL SHAPE DITCHES TO THE SPECIFIED DESIGN. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS.

(2) EXCAVATION FOR PIPE CULVERTS, STORM SEWERS, CONDUITS, ALL OTHER CULVERTS AND MINOR STRUCTURES WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PIPE (CHOOSE THE APPLICABLE ITEM(S) FROM THE FOLLOWING: PIPE CULVERTS, STORM SEWERS, CONDUITS, ALL OTHER CULVERTS AND MINOR STRUCTURES).

(4) THE CUTTING OF INLET AND OUTLET DITCHES WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER WILL BE MEASURED AND PAID FOR AS ITEM NO. 203-01 ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED).

(5) WHERE A CULVERT (PIPE, SLAB OR BOX) IS MOVED TO A NEW LOCATION OTHER THAN THAT SHOWN ON THE PLANS, INCREASING OR DECREASING THE AMOUNT OF CULVERT EXCAVATION WILL NOT RESULT IN AN INCREASE OR DECREASE IN THE AMOUNT OF PAYMENT THAT WILL BE MADE DUE TO SUCH CHANGE.

(6) DURING CONSTRUCTION OF DRAINAGE STRUCTURES ALL COST ASSOCIATED WITH MAINTAINING THE FLOW OF WATER AND TRAFFIC, AT THESE STRUCTURES, DURING THE PHASED CONSTRUCTION OF THIS PROJECT ARE TO BE INCLUDED IN THE UNIT PRICE OF THE DRAINAGE STRUCTURES AND TRAFFIC CONTROL ITEMS.

MISCELLANEOUS

(1) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES AND POSTS WHERE AND AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED IN PRICE BID FOR OTHER CONSTRUCTION ITEMS.

(2) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.

ROAD CLOSURE

(1) NO LESS THAN SEVEN (7) DAYS PRIOR TO THE CLOSURE OF THE ROAD, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING INDIVIDUALS OR AGENCIES COMPLETELY DESCRIBING THE AFFECTED ROADS AND THE APPROXIMATE DURATION OF THE CONSTRUCTION: THESE PARTIES INCLUDE, BUT ARE NOT LIMITED TO: (1) LOCAL LAW ENFORCEMENT OFFICE, (2) LOCAL FIRE DEPARTMENT, (3) AMBULANCE SERVICE, (4) LOCAL SCHOOL SUPERINTENDENT, (5) UNITED STATES POSTAL SERVICE, AND (6) LOCAL ROAD SUPERINTENDENT.

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

(2) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.20, PAINTED PAVEMENT MARKING (6" LINE), L.M.

(3) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.02, PAINTED PAVEMENT MARKING (8" BARRIER LINE), L.F.

(4) WIDE (8 INCH) TEMPORARY PAVEMENT MARKING LINE WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.02 PAINTED PAVEMENT MARKING (8" BARRIER LINE), L.F.

FINAL PAVEMENT MARKING

(9) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.02, ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(17) THE PAVEMENT MARKING ON THE LANE DROP FOR EDGELINES AND LANE LINES WILL BE INSTALLED AND MAINTAINED TO THE SAME STANDARDS AS FOR PERMANENT MARKINGS ON THE MAIN ROADWAY. THESE MARKINGS SHALL BE IN PLACE PRIOR TO ALLOWING TRAFFIC ONTO THE PAVEMENT. THESE PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.20 PAINTED PAVEMENT MARKING (6IN LINE), L.M. AND 716-05.02 PAINTED PAVEMENT MARKING (8IN BARRIER LINE), L.F.

(19) BEFORE OPENING THE DETOUR TO TRAFFIC, THE TRANSITIONAL MARKINGS ON THE EXISTING ROADWAY MUST BE IN PLACE. ALL EXISTING MARKINGS IN THE AREA OF THESE TRANSITIONAL MARKINGS SHALL BE OBLITERATED AND ALL EXISTING RAISED PAVEMENT MARKERS SHALL BE REMOVED TO ELIMINATE CONFLICTING MARKINGS. REMOVAL OF THE EXISTING CONFLICTING MARKINGS AND RAISED PAVEMENT MARKERS WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN ITEM NO. 712-01, TRAFFIC CONTROL, LUMP SUM.

SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

(20) REMOVE EXISTING SNOWPLOWABLE MARKERS PRIOR TO PAVING AND/OR COLD PLANING. REMOVE ALL ADHESIVES PRIOR TO PAVING. PATCH ANY HOLES OR DIVOTS RESULTING FROM THE REMOVAL OF A MARKER IN A MANNER WHICH ENSURES A UNIFORM PAVED SURFACE. PATCH WORK SHALL BE INCLUDED WITH COST OF OTHER ITEMS OF CONSTRUCTION.

PAVEMENT

PAVING

(1) THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE DIRECTION OF TRAFFIC.

(2) THE CONTRACTOR SHALL BE REQUIRED TO COLD PLANE AND PAVE IN THE DIRECTION OF TRAFFIC.

(3) THE CONTRACTOR SHALL ATTACH A DEVICE TO THE SCREED OF THE PAVER SUCH THAT MATERIAL IS CONFINED AT THE END GATE AND EXTRUDES THE ASPHALT MATERIAL IN SUCH A WAY THAT RESULTS IN A CONSOLIDATED WEDGE-SHAPE PAVEMENT EDGE OF APPROXIMATELY 25 TO 30 DEGREES AS IT LEAVES THE PAVER (MEASURED FROM A LINE PARALLEL TO THE PAVEMENT SURFACE.) THE DEVICE SHALL MEET THE REQUIREMENTS THAT ARE CURRENTLY SET FORTH IN SPECIAL PROVISION 407SE.

RESURFACING

(4) WHERE DIRECTED BY THE TDOT ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SHAPE PUBLIC SIDE ROADS, BUSINESS ENTRANCES, AND PRIVATE DRIVES, AS WELL AS CLEANING OF EXISTING DRAINS BEFORE PLACING MATERIALS. ALL COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

(5) ALL PUBLIC SIDE ROADS SHALL BE PAVED ONE PAVER WIDTH THROUGH THE INTERSECTION AS A MINIMUM. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD OR BUSINESS ENTRANCE SHALL BE PROVIDED. SHOULD THE PAVEMENT OF THE INTERSECTING PUBLIC ROAD BE DISTRESSED, THE RESURFACING WIDTH MAY BE INCREASED TO THE NORMAL RIGHT OF WAY LINE.

(6) PRIVATE DRIVEWAYS, FIELD ENTRANCES, AND BUSINESS ENTRANCES WILL BE RESURFACED A PAVER WIDTH (LANE WIDTH) AS A MINIMUM. A PAVEMENT TAPER TO TRANSITION THE NEW PAVEMENT SHALL BE REQUIRED, IT SHALL BE BASED ON AN ADDITIONAL ONE FOOT OF WIDTH PER ONE INCH DEPTH OF PAVEMENT. IF THE SHOULDER IS NARROW ENOUGH THAT THE SUM OF THE SHOULDER AND THE TRANSITION ARE LESS THAN A PAVER WIDTH, THE TRANSITION SHALL OCCUR WITHIN THE PAVER WIDTH. IF THE SUM OF THE SHOULDER AND THE TRANSITION IS GREATER THAN A PAVER WIDTH (LANE WIDTH), THE TRANSITION SHALL OCCUR OUTSIDE OF THE PAVER WIDTH.

(9) IN ALL CASES, THE LENGTH OF THE PAVEMENT TRANSITION, THE THICKNESS AND WIDTH OF THE RESURFACING AND ANY ADDITIONAL PAVEMENT MATERIALS SHALL BE AS DIRECTED BY THE TDOT ENGINEER.

SIGNING

(1) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS, EXCEPT THAT CUT-OUT DIRECT APPLIED COPY SHALL BE USED ON ALL FLAT SHEET SIGNS WITH A GREEN BACKGROUND. THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL EXTRUDED PANEL SIGNS SHALL BE DIRECT APPLIED OR DEMOUNTABLE. ALL EXTRUDED PANEL SIGNS SHALL BE ATTACHED TO THE SIGN FACE, AS OUTLINED IN THE STANDARD SPECIFICATIONS. ALL SHIELDS ON GUIDE SIGNS SHALL BE DIRECT APPLIED OR DEMOUNTABLE AND ATTACHED TO THE SIGN FACE AS OUTLINED IN THE STANDARD SPECIFICATIONS.

(2) FOR ALL PERMANENT PANEL SIGNS WITH A SILVER-WHITE, YELLOW, RED, GREEN, BROWN, OR BLUE BACKGROUND, PROVIDE REFLECTIVE SHEETING THAT MEETS OR EXCEEDS AASHTO M268, TYPE D.

(3) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE LENGTHS WERE COMPUTED FROM THE CROSS-SECTIONS CONTAINED IN THE CONSTRUCTION PLANS. IN THE EVENT THE SUPPORT LENGTHS ARE 2 FEET SHORTER OR LONGER THAN SHOWN ON THE PLANS, THE ENGINEER SHALL VERIFY THE SUPPORT TYPE WITH THE SIGNS AND PAVEMENT MARKING SECTION OF THE TRAFFIC DESIGN DIVISION (TDOT.TrafficDesign.SignsandMarking@tn.gov). THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ORDERING MATERIAL. THE TOP OF THE SIGN FOOTINGS SHALL BE PLACED LEVEL WITH THE GROUND LINE.

(4) THE TOP OF THE SIGN FOOTINGS SHALL BE PLACED LEVEL WITH THE GROUND LINE.

(5) AFTER THE SIGN LOCATIONS HAVE BEEN STAKED, BUT PRIOR TO ORDERING ANY MATERIAL FOR THE SUPPORTS, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE SIGNS AND PAVEMENT MARKING SECTION OF THE TRAFFIC DESIGN DIVISION (TDOT.TrafficDesign.SignsandMarking@tn.gov).

(6) THE CONTRACTOR SHALL BE REQUIRED TO FURNISH LAYOUT DRAWINGS OF ALL EXTRUDED PANEL SIGNS WITH SPACING OF ALL LETTERS, NUMERALS, SHIELDS, AND ARROWS. ONE PDF SET OF THE LAYOUT DRAWINGS SHALL BE SENT TO THE Signs and Pavement Marking Section of the Traffic Design Division (TDOT.TrafficDesign.SignsandMarking@tn.gov), FOR REVIEW.

(7) ALL SIGNS MARKED "TO BE REMOVED" ARE TO BE REMOVED BY THE CONTRACTOR AND PAID FOR UNDER ITEM NO. 713-15 AND BECOME THE PROPERTY OF THE CONTRACTOR.

(8) THE EXISTING FOOTINGS ARE TO BE REMOVED 6 INCHES BELOW GROUND LINE.

(9) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS, EXCEPT THAT CUT-OUT DIRECT APPLIED COPY SHALL BE USED ON ALL FLAT SHEET SIGNS WITH A GREEN BACKGROUND, OR BROWN BACKGROUND.

(10) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ERECTION.

SEALED BY

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

2/11/2025 3:29:51 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\118023.005 SR10 BEDFORD\DGN\025S010-03-SHT-GENERAL NOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	2C1
PS&E	2025	HSIP-10(86)	2C1

GENERAL NOTES (CONT.)

(11) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS.

(13) AFTER THE PERMANENT SIGN LOCATIONS HAVE BEEN STAKED, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE SIGNS AND PAVEMENT MARKING SECTION OF THE TRAFFIC DESIGN DIVISION (TDOT.TrafficDesign.SignsandMarking@tn.gov). PAYMENT FOR LOCATION AND STAKING SHOULD BE INCLUDED IN THE BID PRICE FOR OTHER ITEMS OF CONSTRUCTION. ANY RELOCATION REQUIRED, DUE TO THE SIGN NOT BEING INSTALLED IN THE CORRECT LOCATION, WILL BE DONE AT THE CONTRACTOR'S EXPENSE.

SIGNALIZATION

(1) EQUIPMENT AND INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH TDOT STANDARD SPECIFICATIONS, SECTION 730.

(8) ANY SIGNAL HEADS, WHEN VISIBLE TO DRIVERS BUT NOT OPERATIONAL, SHALL BE COMPLETELY COVERED.

(9) AN ADVANCE FLASH OPERATION PERIOD IS REQUIRED TO MAKE MOTORISTS AWARE OF THE PRESENCE OF NEW SIGNAL HEADS. NEW SIGNAL HEADS SHALL BE PUT IN FLASH OPERATION FOR MINIMUM OF SEVEN (7) CALENDAR DAYS UP TO FOURTEEN (14) CALENDAR DAYS PRIOR TO ACTIVATION OF NORMAL TRAFFIC SIGNAL OPERATION. OTHER FLASH OPERTATION TIME PERIODS MAY BE CONSIDERED UPON WRITTEN APPROVAL FROM THE REGIONAL TRAFFIC ENGINEER.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

(1) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.

(2) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO. 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.

(3) A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.

(4) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.

(5) USE OF BARRICADES, PORTABLE BARRIER RAILS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

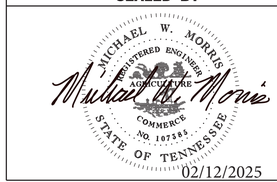
(6) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

(7) ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

(8) ALL DETOURS SHALL BE PAVED, STRIPED, SIGNED, AND FLEXIBLE DRUMS ARE TO BE IN PLACE BEFORE IT IS OPENED TO TRAFFIC.

(9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING CONSTRUCTION SIGNS. THE COST OF THIS WORK SHALL BE INCLUDED IN ITEM NO. 712-06, SIGNS (CONSTRUCTION), S.F.

SEALED BY



02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL
NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	2D
PS&E	2025	HSIP-10(86)	2D

SPECIAL NOTES

GRADING

(1) THE GRADING TABULATIONS AND RESULTING EARTHWORK ASSOCIATED BID QUANTITIES WERE PREPARED UTILIZING AVAILABLE GEOTECHNICAL INFORMATION AND/OR REPORTS PREPARED FOR THIS PROJECT. THIS INFORMATION IS PROVIDED FOR GENERAL INFORMATION AND ESTIMATION GUIDANCE ONLY.

(2) BORING DEPICTIONS SHOWN ON THE FOUNDATION DATA SHEETS, SOILS SHEETS, PLANS, AND CROSS-SECTIONS INDICATE SOIL AND ROCK CONDITIONS AT THE SPECIFIC BORING LOCATIONS. ANY SOIL PROFILE AND/OR ROCK LINE IS INTERPRETIVE BASED ON THE JUDGMENT OF THE GEOTECHNICAL ENGINEER/GEOLOGIST. THE TRANSITION BETWEEN BORINGS AND LAYERS MAY VARY SIGNIFICANTLY DEPENDING ON THE GEOLOGIC FORMATIONS ENCOUNTERED.

(3) TO ASSIST IN BID PREPARATION FOR EARTHWORK AND FOUNDATION CONSTRUCTION, DETAIL ROCK AND SOIL DESCRIPTION AND ON SOME PROJECTS, ROCK CORE SAMPLES ARE AVAILABLE FOR INSPECTION AT THE MATERIALS AND TESTS HEADQUARTERS AT 6601 CENTENNIAL BOULEVARD, NASHVILLE, TN OR AT THE TDOT REGION 1 BUILDING IN KNOXVILLE, TN.

(4) THE CONTRACTOR SHALL UTILIZE ALL INFORMATION PROVIDED IN THE PLANS, CROSS-SECTIONS AND CONTRACT DOCUMENTS INCLUDING ANY SPECIAL PROVISIONS AS WELL AS UTILIZING HIS PAST EXPERIENCE WITH PROJECTS OF SIMILAR NATURE, SCOPE AND LOCATION IN PREPARATION OF HIS BID FOR EARTHWORK ITEMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND PROVIDE EQUIPMENT AND MEANS NECESSARY TO CONDUCT THE EXCAVATION ACTIVITIES IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.

(5) EARTHWORK IS PAID FOR UNDER ITEM NO. 203-01, ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED). NO ADDITIONAL PAYMENT WILL BE MADE FOR EARTHWORK QUANTITIES BASED SOLELY ON A CLAIM THAT THE QUANTITIES SHOWN IN THE GRADING TABULATION OR ELSEWHERE IN THE PLANS ARE INACCURATE WITH RESPECT TO THE TYPE OF MATERIALS ENCOUNTERED DURING CONSTRUCTION EXCEPT AS PROVIDED FOR BY SECTION 104.02 IN THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OR AS AMENDED IN SUPPLEMENTAL SPECIFICATIONS.

HISTORICAL

(1) THE CONTRACTOR WILL BE RESPONSIBLE FOR REMOVING AND COORDINATING WITH THE TDOT REGIONAL SIGN SHOP FOR STORING HISTORIC MARKER(S). AT THE TIME THE MARKER(S) IS TAKEN DOWN, LINDA WYNN WITH THE TENNESSEE HISTORICAL COMMISSION SHOULD BE NOTIFIED AT (615)-770-1093. AT THE END OF CONSTRUCTION, MARKER(S) WILL BE RESET BY THE SIGN SHOP AT THE DIRECTION OF THE REGIONAL TRAFFIC ENGINEER. IF THE MARKER CANNOT BE RESET OUTSIDE OF THE CLEAR ZONE, THE REGIONAL TRAFFIC ENGINEER WILL CONTACT THE TENNESSEE HISTORIC COMMISSION AND RETURN THE MARKER(S).

SIGNALIZATION

(1) MAST ARM POLE FOUNDATIONS MAY BE ADUJSTED UP TO 2 FT TO AVOID UTILITIES. ADJUSTMENTS GREATER THAN 2 FT MUST BE REVIEWED AND APPROVED BY ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ARM LENGTH IS ADEQUATE FOR PROPER SIGNAL HEAD PLACEMENT PER T-SG-7A THROUGH T-SG-7S.REFER TO STANDARD DRAWING T-SG-9. FINAL POLE POSITIONS SHALL BE STAKED AND FIELD APPROVED BY ENGINEER PRIOR TO CONSTRUCTION.

(2) IN LOCATIONS WHERE THE PLANS CALL FOR INSTALLATION OF CONDUIT BY TRENCHING, THE CONTRACTOR MAY ELECT TO INSTALL BY DIRECTIONAL BORING. NO ADDITIONAL PAYMENT WILL BE ALLOWED WHERE, IN THE JUDGMENT OF THE ENGINEER, THE CONDUIT COULD HAVE BEEN INSTALLED BY TRENCHING.

(3) POSITION OF CONDUIT AND PULL BOXES ARE APPROXIMATE AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. LOCATION OF CONDUIT AND PULL BOXES MAY BE SHIFTED SLIGHTLY TO AVOID CONFLICTS WITH UTILITIES OR OTHER FEATURES, WITH PRIOR APPROVAL FROM ENGINEER.

(4) ALL PROPOSED CONDUIT CROSSING EXISTING PAVEMENT OR ROADWAY SHALL BE SCHEDULE 80 PVC TYPE AND DIRECTIONAL BORE BETWEEN PULL BOXES. OPEN CUT/TRENCH OF ROADWAYS IS NOT ALLOWED.

(5) ALL FOUNDATIONS SHALL HAVE A SPARE 2-INCH STUB-OUT PARALLEL TO THE ROAD (POLES AND CABINET).

SIGNAL HEADS

(1) ALL CIRCULAR AND ARROW INDICATIONS WITHIN ALL VEHICULAR SIGNAL HEADS PROPOSED FOR THIS PROJECT SHALL CONSIST OF AN LED (LIGHT EMITTING DIODE) SIGNAL MODULE UNLESS OTHERWISE NOTED IN THE PLANS.

(2) CIRCULAR INDICATIONS SHALL MEET "ITE VTCSH-LED CIRCULAR SIGNAL SUPPLEMENT" FOR EXPANDED/EXTENDED VIEW. ARROW INDICATIONS SHALL MEET "ITE VTCSH-3 LED ARROW SPECIFICATION" FOR EXPANDED/EXTENDED VIEW.

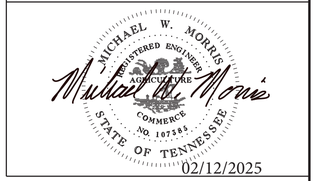
(3) INCANDESCENT OR SCREW-IN MODULES ARE NOT ACCEPTABLE.

(4) COMPATIBILITY WITH CONFLICT MONITORS AND LOAD SWITCHES SHALL BE TESTED AND CONFIRMED.

(5) MANUFACTURER SHALL PROVIDE A MINIMUM FIVE-YEAR WARRANTY FOR OPERATION OF THE UNIT.

(6) SIGNAL HEADS SHALL INCLUDE LOUVERED BACKPLATES WITH A 1" MINIMUM, 3" MAXIMUM YELLOW RETRO REFLECTIVE BORDER AROUND THE PERIMETER OF THE FACE OF THE BACKPLATE. THE RETRO REFLECTIVE BORDER IS TO BE MADE OF A TYPE III PRISMATIC OR BETTER MATERIAL.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	2E
PIH	2025	HSIP-10(86)	2E
PS&E	2025	HSIP-10(86)	2E

ENVIRONMENTAL NOTES

ENVIRONMENTAL GENERAL NOTES

NATURAL RESOURCES

(1) SOIL MATERIALS MUST BE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. EPSC MEASURES TO PROTECT NATURAL RESOURCES AND WATER QUALITY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. APPROPRIATE EPSC MEASURES MUST BE INSTALLED ALONG THE BASE OF ALL FILLS AND CUTS, ON THE DOWNHILL SIDE OF STOCKPILED SOIL, AND ALONG NATURAL RESOURCES IN CLEARED AREAS TO PREVENT SEDIMENT MIGRATION INTO STREAMS, WETLANDS OR OTHER NATURAL FEATURES IN ACCORDANCE WITH TDOT STANDARDS. EPSC MEASURES SHALL BE INSTALLED ON THE CONTOUR, ENTRENCHED AND STAKED, AND EXTEND THE WIDTH OF THE AREA TO BE CLEARED.

(2) NEW CHANNEL CONSTRUCTION SHALL BE COMPLETED IN THE DRY AND STABILIZED FOR AT LEAST 72 HOURS PRIOR TO DIVERTING WATER FROM THE EXISTING AND/OR TEMPORARY CHANNEL.

(3) INSTREAM EPSC DEVICES REQUIRE THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION REVIEW AND MUST BE PROCESSED BY THE PERMITS SECTION TO OBTAIN WATER QUALITY PERMITS.

(4) THE OPERATION OF EQUIPMENT IN WATERS OF THE STATE/U.S., INCLUDING WETLANDS AND EPHEMERAL, INTERMITTENT, AND PERENNIAL STREAMS, IS NOT ALLOWED.

(5) THE WIDTH OF THE FILL ASSOCIATED WITH TEMPORARY CROSSINGS SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR THE ACTUAL CROSSING, NOT TO EXCEED THE WIDTH SPECIFIED IN THE STANDARD DRAWING.

(6) STREAM BEDS SHALL NOT BE USED AS TRANSPORTATION ROUTES FOR CONSTRUCTION EQUIPMENT. TEMPORARY CULVERT CROSSINGS SHALL BE LIMITED TO ONE POINT PER STREAM AND EPSC MEASURES SHALL BE USED WHERE THE STREAM BANKS ARE DISTURBED. WHERE THE STREAMBED IS NOT COMPOSED OF BEDROCK, A PAD OF CLEAN ROCK SHALL BE USED AT THE CROSSING POINT AND CULVERTED TO PREVENT THE IMPOUNDMENT OF WATER FLOW. CLEAN ROCK IS ROCK OF VARIOUS TYPE AND SIZE, DEPENDING UPON APPLICATION, WHICH CONTAINS NO FINES, SOILS, OR OTHER WASTES OR CONTAMINANTS. OTHER MATERIALS USED FOR ALL TEMPORARY FILLS SHALL BE COMPLETELY REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED AND THE AFFECTED AREAS RETURNED TO PREEXISTING ELEVATIONS. ALL TEMPORARY CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DWG. EC-STR-25 UNLESS SPECIFICALLY ADDRESSED IN THE EPSC PLANS. ALTERNATIVELY, PLACING A TEMPORARY BRIDGE (E.G. BAILEY BRIDGE OR EQUIVALENT, TIMBERS, ETC.) FROM TOP OF BANK TO TOP OF BANK OR THE APPROPRIATE USE OF BARGES AT THE CROSSING TO AVOID DISTURBANCE OF THE STREAMBED IS AN ACCEPTABLE OPTION.

(7) HEAVY EQUIPMENT WORKING IN WETLANDS WITH PERMITTED TEMPORARY IMPACTS SHALL BE PLACED ON MATS, OR OTHER MEASURES MUST BE TAKEN TO MINIMIZE SOIL DISTURBANCE AND COMPACTION UNLESS SPECIFICALLY ADDRESSED IN THE CONSTRUCTION PLANS. ANY MATS AND OTHER MEASURES USED FOR HEAVY EQUIPMENT SHALL BE REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED. ALL AFFECTED AREAS SHOULD BE RETURNED TO PRE-EXISTING CONDITIONS.

(8) WETLANDS SHALL NOT BE USED AS EQUIPMENT STORAGE, STAGING, OR TRANSPORTATION AREAS, UNLESS SPECIFICALLY PROVIDED FOR IN THE CONSTRUCTION PLANS AND PERMITS.

(9) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS PRIOR TO ANY CONSTRUCTION AND MAINTENANCE ACTIVITIES TO ENSURE THAT ENVIRONMENTAL FEATURES (E.G., STREAMS, WETLANDS, SPRINGS, ETC.) ARE NOT IMPACTED BEYOND PERMITTED LOCATIONS. IF THE CONTRACTOR OR TDOT INSPECTOR IS UNSURE OF THE IDENTITY OF AN ENVIRONMENTAL FEATURE, THE INSPECTOR SHALL CONTACT THE TDOT REGION ENVIRONMENTAL TECH GROUP IMMEDIATELY.

SPECIES

(10) NO ACTIVITY MAY SUBSTANTIALLY DISRUPT THE MOVEMENT OF THOSE SPECIES OF AQUATIC LIFE INDIGENOUS TO THE WATER BODY, INCLUDING THOSE SPECIES THAT NORMALLY MIGRATE THROUGH THE AREA.

(11) SHOULD CLIFF SWALLOW OR BARN SWALLOW NESTS, EGGS, OR BIRDS (YOUNG AND ADULTS) BE PRESENT, THE CONTRACTOR SHALL CONTACT THE REGIONAL ECOLOGY OFFICE TO DETERMINE IF SEASONAL RESTRICTIONS WILL BE NECESSARY. GENERALLY, BIRDS, NESTS, AND EGGS MAY NOT BE DISTURBED BETWEEN APRIL 15 AND JULY 31. FROM AUGUST 1 TO APRIL 14, NESTS CAN BE REMOVED OR DESTROYED SO LONG AS BIRDS OR EGGS ARE NOT PRESENT, AND MEASURES IMPLEMENTED TO PREVENT FUTURE NEST BUILDING AT THE SITE (I.E., CLOSING OFF AREA USING NETTING).

(12) IF THE REMOVAL OF ANY TREES WITH A DIAMETER AT BREAST HEIGHT (DBH) GREATER THAN 3 INCHES IS DEEMED NECESSARY THE TDOT SUPERVISOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, ECOLOGY SECTION IMMEDIATELY.

PERMITS, PLANS & RECORDS

(13) THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND OBTAIN ANY NECESSARY ENVIRONMENTAL PERMITS OR APPROVALS, INCLUDING BUT NOT LIMITED TO ARCHAEOLOGY, ECOLOGY, HISTORICAL, HAZARDOUS MATERIALS, AIR AND NOISE, TDEC ARAP/401, USACE SECTION 404, TVA SECTION 26A, AND TDEC NPDES PERMITS, FROM FEDERAL, STATE AND/OR LOCAL AGENCIES REGARDING ANY MATERIAL AND STAGING AREAS AND THE OPERATION OF ANY PROJECT-DEDICATED ASPHALT AND/OR CONCRETE PLANTS TO BE USED. ANY SUCH PERMITS SHALL BE SUPPLIED TO THE TDOT PROJECT RESPONSIBLE PARTY PRIOR TO THE USE OF THE PERMITTED AREA(S).

(14) ANY DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, THE PROJECT AS CONSTRUCTED, AND THE PERMIT(S) ISSUED FOR THE PROJECT, SHALL BE BROUGHT TO THE ATTENTION OF THE TDOT PROJECT RESPONSIBLE PARTY. THE ENVIRONMENTAL DIVISION, DESIGN DIVISION, AND HEADQUARTERS CONSTRUCTION OFFICE SHALL BE CONTACTED IN THESE INSTANCES AND DECIDE WHICH HAS PRECEDENCE AND WHETHER PERMIT OR PLANS REVISIONS ARE NEEDED. IN GENERAL, PERMIT CONDITIONS WILL PREVAIL.

(15) IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE TDOT PERMIT SECTION SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS ARE NEEDED. THE ROADWAY DESIGN DIVISION SHALL BE CONTACTED TO DETERMINE IF ANY PLAN REVISIONS ARE NEEDED.

(16) THE CONTRACTOR SHALL REVIEW ALL EXISTING PERMITS TO ENSURE THAT WORK AT PERMITTED SITES DOES NOT EXCEED EXPIRATION DATE. IF WORK IS GOING TO BE CONTINUED AFTER EXPIRATION DATES, THE CONTRACTOR SHALL CONTACT THE TDOT PROJECT RESPONSIBLE PARTY TO COMMENCE PERMIT RENEWAL PROCESS.

(17) ALL WATER QUALITY PERMITS SHALL BE POSTED NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE ACCESSIBLE TO THE PUBLIC. THE NAME, COMPANY NAME, EMAIL ADDRESS, TELEPHONE NUMBER AND ADDRESS OF THE PROJECT SITE OWNER, OPERATOR, OR A LOCAL CONTACT PERSON WITH A BRIEF DESCRIPTION OF THE PROJECT SHALL ALSO BE POSTED. IF POSTING THIS INFORMATION NEAR A MAIN ENTRANCE IS INFEASIBLE, THE INFORMATION SHALL BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION NEAR WHERE THE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY. THIS LOCATION SHALL BE POSTED AT THE CONSTRUCTION SITE. ALL POSTINGS SHALL BE MAINTAINED IN LEGIBLE CONDITION.

SUPPORT ACTIVITIES

(18) MATERIALS AND STAGING AREAS SHALL NOT AFFECT ANY WATERS OF THE STATE/U.S. UNLESS THESE AREAS ARE SPECIFICALLY COVERED BY ENVIRONMENTAL PERMITS, OBTAINED SOLELY BY THE CONTRACTOR. THE CONTRACTOR SHALL REVIEW ALL EXISTING PERMITS TO ENSURE THAT WORK AT PERMITTED SITES DOES NOT EXCEED EXPIRATION DATES. IF WORK IS GOING TO BE CONTINUED AFTER EXPIRATION DATES, THE CONTRACTOR SHALL CONTACT THE TDOT PROJECT RESPONSIBLE PARTY TO COMMENCE PERMIT RENEWAL PROCESS.

STREAMS, WETLANDS & BUFFER ZONES

(19) ONCE WATER IS DIVERTED INTO A NEWLY CONSTRUCTED AND STABILIZED RELOCATED STREAM / CHANNEL, THE ECOLOGY SECTION SHALL BE NOTIFIED. THE STREAM NAME, STREAM NUMBER, AND DATE THE WATER WAS DIVERTED INTO THE NEWLY CONSTRUCTED STREAM / CHANNEL SHALL BE SUPPLIED WITH THE NOTIFICATION.

ENVIRONMENTAL

(20) EXCEPT AS OTHERWISE SPECIFIED, THERE ARE NO KNOWN SPECIAL ENVIRONMENTAL FACTORS PRESENT ON THIS PROJECT THAT INDICATE A NEED FOR SEASONAL LIMITATIONS ON THE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OPERATIONS OR ON THE TOTAL AREA OF EXPOSED SOIL.

ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL

(1) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE SHALL BE INVITED TO ALL PRE-CONSTRUCTION MEETINGS.

ECOLOGY

(2) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ADVISE THE CONTRACTOR DURING THE PRE-CONSTRUCTION MEETING WHEN ENVIRONMENTAL DIVISION PERSONNEL OR A DESIGNATED CONSULTANT WILL NEED TO BE ONSITE FOR WORK BEING DONE WHICH COULD AFFECT WATERS OF THE STATE/U.S. OR SPECIES.

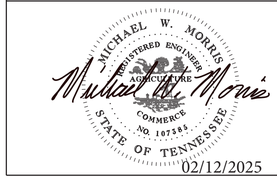
(3) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ATTEND THE PRE-CONSTRUCTION MEETING FOR ALL PROJECTS WHICH HAVE THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITAT PROXIMAL TO SCHEDULED WORK. THIS WILL PROVIDE THE OPPORTUNITY TO ENSURE THAT PERSONNEL INCLUDING THE CONTRACTOR'S PERSONNEL AND SUBCONTRACTORS ARE MADE AWARE OF THE NECESSARY PRECAUTIONS THAT MUST BE FOLLOWED.

(4) ALL PROJECTS WITH LEGALLY PROTECTED SPECIES OR CRITICAL HABITAT IDENTIFIED SHALL HAVE MEASURES IN PLACE TO CONTAIN CONCRETE DUST, CEMENT DUST AND ALL OTHER MATERIALS. THESE MATERIALS ARE NOT ALLOWED TO ENTER WATERS OF THE STATE/U.S.

SCOPE OF WORK

(6) WORK CONSISTS OF CONSTRUCTION OF RIGHT TURN LANES IN EXISTING SHOULDER AREA OF NORTH BOUND AND SOUTH BOUND S.R.10, INSTALLATION OF PROPOSED TRAFFIC SIGNAL, INSTALLATION OF SIGNS AND RELATED GRADING AND DRAINAGE WORK AT INTERSECTION.

SEALED BY



02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

2/11/2025 3:30:54 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\025S010-03-SHT-ENVIRONMENTAL NOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	2F
PIH	2025	HSIP-10(86)	2F
PS&E	2025	HSIP-10(86)	2F

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY) EXC.	UNADJUSTED VOLUMES (CY) EMB.	ADJUSTED VOLUMES (CY) EXC.
SR-10	814	1124	692
EADY ROAD	34	20	29
SR-82	56	24	48
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)	0	0	
TOPSOIL (EMB.)	501		
TOPSOIL (EXC.)	502		
TOPSOIL TOTALS (SEE TOPSOIL TABLE)			

ROCK (C.Y.) EXC.	ROCK (C.Y.) EMB.	TOTALS (C.Y.) EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	1907	1168	1907	904	769

BALANCE SUMMARY

SHRINK = 15 % SWELL = 15 %

EMB.		EXC.
1168	VS.	-769
AVAILABLE	=	399
BORROW MATERIAL	=	459

NOTE: SEE GRADING SPECIAL NOTES ON 2D

PAVEMENT QUANTITIES

LOCATION (ROADWAY)	TYPE - GRADE - PAY ITEM (TON) MINERAL AGG. D 303-01	BITUMINOUS PLANT MIX BASE (HOT MIX) PG-70-22 A-S 307-01.21	A 307-02.01	B-M2 307-02.08	PRIME COAT 402-01	402-02	TACK COAT 403-01	ASPHALTIC CONCRETE SURFACE (HOT MIX) PG 70-22 D 411-02.10	COLD PLANING (1.5" DEPTH) D 415-01.01
SR-10	1822.0	597.0	628.0	484.0	5.8	22.2	20.9	2352.0	1801
BUSINESS ENTRANCE	27.0			12.0	0.2	0.8	0.1		
TOTALS	1849	597	628	496	6	23	21	2352	1801

TOPSOIL

IF EXISTING TOPSOIL IS SUITABLE FOR REUSE

PROPOSED SLOPE AREA S.F.	EXISTING TOPSOIL (EXC.)	EXISTING TOPSOIL (EMB.)	EXISTING TOPSOIL (TOTAL) C.Y.	REQUIRED TOPSOIL C.Y.	PLACING TOPSOIL 203-04 C.Y.	FURNISHED TOPSOIL 203-07 C.Y.	EXCESS TOPSOIL C.Y.
19074	502	501	1003	353	353	0	650

STORM DRAINAGE AND ENDWALLS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	18" E.W. 611-07.31 6:1	24" E.W. 611-07.32 6:1	TYPE 3 M.H. 611-01.02 4'-8'	REMARKS
5B	SR10	127+41.34	27.78	797.19	EW			D-PE-24A&B		1		D-SEW-1A
6B	SR10	130+59.75	-26.31	797.45	MH	4' DIAM.	5.27	D-MH-3			1	
6B	SR10	132+94.57	-24.73	793.46	EW			D-PE-24A&B		1		D-SEW-1A
6B	SR10	133+59.95	23.38	793.18	EW			D-PE-18A&B	1			D-SEW-1A
TOTALS									1	2	1	

DRAINAGE PIPE TABULATION

STATION	SKEW	RCP CLASS III OR CMP 12 GA OR PVC OR SRTRP OR HDPE OR PP (L.F.) FILL HEIGHT ≤ 16 FT. 18"	24"	30"	36"	42"	48"	END TREATMENT INLET TYPE	INLET DRAWING NO. D-PE-	OUTLET TYPE	OUTLET DRAWING NO. D-PE-	REMARKS
127+54.73	90°		318					U	D-PE-24A&B	U	D-PE-24A&B	SEE ALSO STD. DWG. D-SEW-1A
50+87.78	90°		12					U	D-PE-24A&B	U	D-PE-24A&B	S.R. 82 / SEE ALSO STD. DWG. D-SEW-1A
19+27.87	90°	8						U	D-PE-18A&B	U	D-PE-18A&B	EADY RD. / SEE ALSO STD. DWG. D-SEW-1A
TOTALS		8	330	0	0	0	0					

REMOVAL OF STRUCTURES (ITEM NO. 202-01)

SHEET NO.	STATION	LOCATION	DESCRIPTION	REMARKS
6	130+59.71	1.00 RT	CATCH BASIN (DROP INLET)	
6	132+94.58	86.72 RT	24" ENDWALL	
6	133+27.15	78.08 LT	18" ENDWALL	

FOOTNOTE:
ALL ITEMS PAID FOR UNDER ITEM NO. 202-01 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS LS.

SEALED BY

MICHAEL W. MORRIS REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 107588 STATE OF TENNESSEE

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

2/12/2025 2:45:10 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TABULATED QUANTITIES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	3
PIH	2025	HSIP-10(86)	3
PS&E	2025	HSIP-10(86)	3

RIGHT-OF-WAY

(3) EXISTING PAVED DRIVEWAY PER TRACT REMAINDER WILL BE REPLACED IN KIND TO A TOUCHDOWN POINT.

(4) WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY EXCEEDS 7 PERCENT IN GRADE, EACH DRIVEWAY WILL BE PAVED TO A TOUCHDOWN POINT OR UNTIL THE GRADE IS LESS THAN 7 PERCENT.

(5) WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY IS LESS THAN 7 PERCENT IN GRADE, EACH DRIVEWAY WILL BE PAVED A SHOULDER WIDTH FROM THE EDGE OF PAVEMENT AND THE REMAINDER OF THAT DRIVEWAY REPLACED IN KIND TO A TOUCHDOWN POINT.

(6) ANY NECESSARY PAVING OF DRIVEWAYS WILL BE DONE DURING PAVING OPERATIONS ON THE MAIN ROADWAY.

(9) ON PROJECTS WITHOUT CURB AND GUTTER THAT ARE ON STATE ROUTES, IT WILL BE THE RESPONSIBILITY OF THE OWNER TO SECURE A PERMIT AND TO CONSTRUCT ADDITIONAL DRIVEWAYS AND FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS.

(11) ON NON-STATE ROUTES, ADDITIONAL DRIVEWAYS AND FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS SHALL REQUIRE A PERMIT ONLY IF THE LOCAL AGENCY SPECIFIES THE NEED FOR THAT PERMIT.

UTILITY

(1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS, AND/OR MAPS PREPARED BY OTHERS. THEREFORE, RELIANCE UPON THE TYPE, SIZE, AND LOCATION OF UTILITIES SHOWN SHOULD BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION, AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO IS MADE. AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY. IN TENNESSEE, IT IS A REQUIREMENT, PER "THE UNDERGROUND UTILITY DAMAGE PREVENTION ACT", THAT ANYONE WHO ENGAGES IN EXCAVATION MUST NOTIFY ALL KNOWN UNDERGROUND UTILITY OWNERS, NO LESS THAN THREE (3) OR NOT MORE THAN TEN (10) WORKING DAYS PRIOR TO THE DATE OF THEIR INTENT TO EXCAVATE AND ALSO TO AVOID ANY POSSIBLE HAZARD OR CONFLICT. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.

(2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.

(3) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

(4) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.

(5) THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC AT 1-800-351-1111 WILL BE REQUIRED.

UTILITY OWNERS

WATER & GAS:

BEDFORD CO. UTILITY DISTRICT
214 BETHANY LANE (PO BOX 2755)
SHELBYVILLE, TN 37162
CONTACT: RANDY HEAD
OFFICE PHONE: 931 684 1667
CELL PHONE: 931 205 2180
Email: RHEAD@BEDFORDUTILITY.COM

CONTACT: BUDDY KOONCE
OFFICE PHONE: 931 684 1667
CELL PHONE: 615 351 2966
Email: BKOONCE@BEDFORDUTILITY.COM

TELEPHONE/FIBER:

AT&T
116 SOUTH CANNON AVENUE
MURFREESBORO, TN 37129
CONTACT: KENNETH LEE KORNEGAY
OFFICE PHONE: 615 848 2082
CELL PHONE:
Email: KK4096@ATT.COM

UNITED COMMUNICATIONS
120 TAYLOR STREET
CHAPEL HILL, TN 37034
CONTACT: JONATHAN KNIGHT
OFFICE PHONE:
CELL PHONE: 704 242 4172
Email: JON.KNIGHT@GOUNITED.NET

CONTACT: JACK SANDERSON
Email: JACK.SANDERSON@GOUNITED.NET

POWER:

DUCK RIVER ELECTRIC MEMBERSHIP CORP.
1411 MADISON ST.
SHELBYVILLE, TN 37160
CONTACT: LUKE DAVIDSON
OFFICE PHONE: 931 680 5840
CELL PHONE: 931 703 9034
Email: LDAVIDSON@DREMC.COM

CABLE:

COMCAST
680 MAINSTREAM DRIVE
NASHVILLE, TN 37228
CONTACT: KATELYN GROSS
OFFICE PHONE:
CELL PHONE: 615 961 2453
Email: KATELYN_GROSS@COMCAST.COM
NAS-NashvilleConstructionBetterments@comcast.com

CHARTER

CHARTER COMMUNICATION MID-SOUTH
415 INDUSTRIAL BLVD.
TULLAHOMA, TN 37388
CONTACT: BOBBY BRADLEY
OFFICE PHONE: 931 461 4301
CELL PHONE 931 703 8383
Email: BOBBY.BRADLY@CHARTER.COM

FIBER:

CROWN CASTLE
370 MALLORY STATION ROAD, SUITE 505
FRANKLIN, TN 37067
CONTACT: JAMES WHITED
OFFICE PHONE: 502 428 5776
CELL PHONE: 502 340 1404
Email: JAMES.WHITED@CROWNCASTLE.CO

CONTACT: DREW PARKER
OFFICE PHONE: 630 480 5177
Email: DREW.PARKER@CROWNCASTLE.C

SEALED BY

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY
NOTES,
UTILITY NOTES
AND
UTILITY OWNERS

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	3A
PIH	2025	HSIP-10(86)	3A
PS&E	2025	HSIP-10(86)	3A

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (ACRES)			
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT	SLOPE	CONSTRUCTION	AIR RIGHTS
				BOOK	PAGE												
1	SHARON MURPHY, BEVERLY HOPE BURGESS, AND STEPHANIE BUR	40	14.05	DB372	431		52.193	52.193					52.193				
2	TIMOTHY ALLEN GRAY AND WIFE PATRICIA DIANE GRAY	40	19.02	DB251	467	4.980		4.980				4.980					
3	TIMOTHY ALLEN GRAY AND WIFE PATRICIA DIANE GRAY	40	19.01	DB172	49	1.282		1.282				1.282					
4	KATHY W. CRUPKE AND MATTHEW R. CRUPKE	40	61.02	DB359	348	30.012		30.012				30.012					
5	WILLIAM TY IRBY, SR.	40	14.01	DB260	972		0.837	0.837					0.837				
6	JERRY GLARDY AND WIFE RENEE GLARDY	40	14	DB355	791		18.048	18.048					18.048				
7	GILL CEMETERY	40	17	DB81	71	2.860		2.860				2.860					
8	SAM B. KITE, JR.	40	61.01	DB234	206	17.093		17.093				17.093					
9	RICHARD T. SMITH	40	16	DB219	79	8.371		8.371				8.371					
10	HIGHWAY 82 PARTNERSHIP	40	14.1	DB367	342		0.581	0.581					0.581				
11	BGE INVESTMENTS	40	56	DB246	687	26.656		26.656				26.656					
12	HIGHWAY 82 PARTNERSHIP, A GENERAL PARTNERSHIP COMPOSED OF SANSOM EQUIPMENT COMPANY, INC., AND DARRELL A. CHERRY	40	14.04	DB367	345		8.018	8.018					8.018				
13	KING LAND INVESTMENTS, LLC	40	14.06	DB355	274		3.048	3.048					3.048				
14	TENNESSEE DOWNS REAL ESTATE COMPANY, LLC	40	7	DB373	490	181.206		181.206				181.206					
15	ROBERT F. KILGORE, JOHN T. BOBO AND IRA INNOVATION LLC FBO DENNY NORVELL HASTINGS IRA	40	9.03	DB362	912		4.599	4.599					4.599				
16	SUSAN BELL JACOBUS, TRUSTEE, OF THE BELL LEGACY TRUST	40	9.06	DB360	801		2.811	2.811					2.811				
17	JAMES D. POWELL AND WIFE, EVELYN POWELL	40	9.05	DB305	206		4.707	4.707					4.707				
18	JOHN K. HARRISON II, TRUSTEE OF THE VLS TRUST	40	55	DB382	87		45.460	45.460					45.460				
19	JOHN K. HARRISON II, TRUSTEE OF THE VLS TRUST	40	9.02	DB382	85		12.562	12.562					12.562				
19	CHRISTOPHER CHARLES INVESTMENTS, L.P.	40	7.01	DB379	137	0.005		0.005				0.005					
20	CHRISTOPHER CHARLES INVESTMENTS, L.P.	40	14.07	DB379	137	0.005		0.005					2.048				
21	INERGY PROPANE, LLC	40	14.07	DB280	365		2.048	2.048					2.002				
22	JAMES STUDER AND SAVA STUDER, HUSBAND AND WIFE	40	9.04	DB335	950		2.992	2.992					2.992				
23	MYRNA KING	40	15	DB181	983		12.121	12.121					12.121				
24	DON E. BRIDGES	40	9.1	DB313	607		2.002	2.002					2.002				
25	JOHN K. HARRISON, II, TRUSTEE OF THE VLS TRUST	40	9	DB382	93		6.593	6.593					6.593				
ACQUISITION TOTALS (ACRES)																	

DISTURBED AREA

IN BETWEEN SLOPE LINES	1.505	(AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	0.300	(AC)
TOTAL DISTURBED AREA	1.805	(AC)
TOTAL PROJECT AREA	5.973	(AC)

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107585
STATE OF TENNESSEE

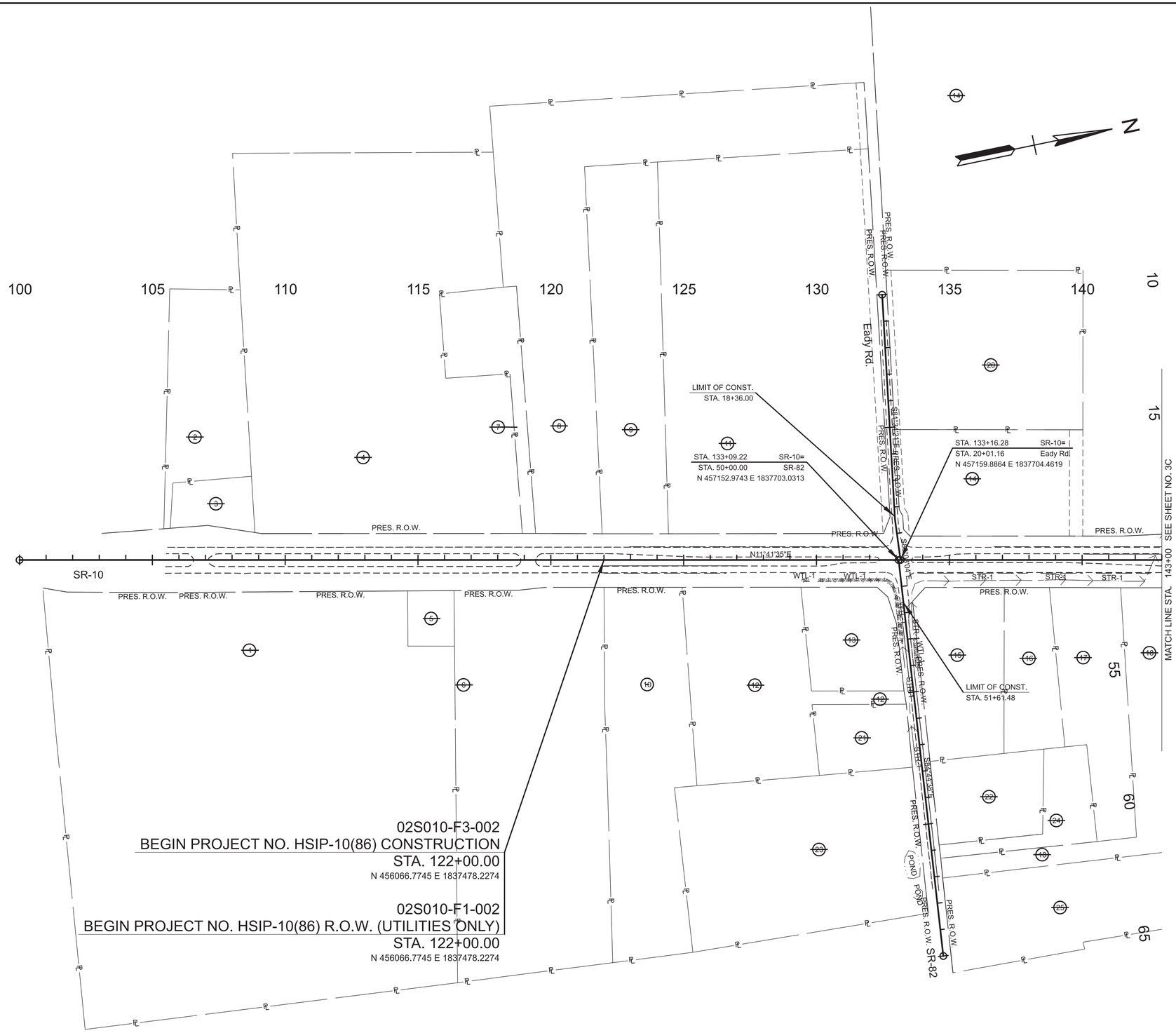
02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP
AND
RIGHT-OF-WAY
ACQUISITION
TABLE

2/11/2025 3:32:26 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-ROW ACQUISITION TABLE.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	3B
PIH	2025	HSIP-10(86)	3B
PS&E	2025	HSIP-10(86)	3B



SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107388
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

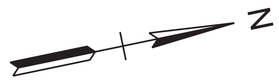
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

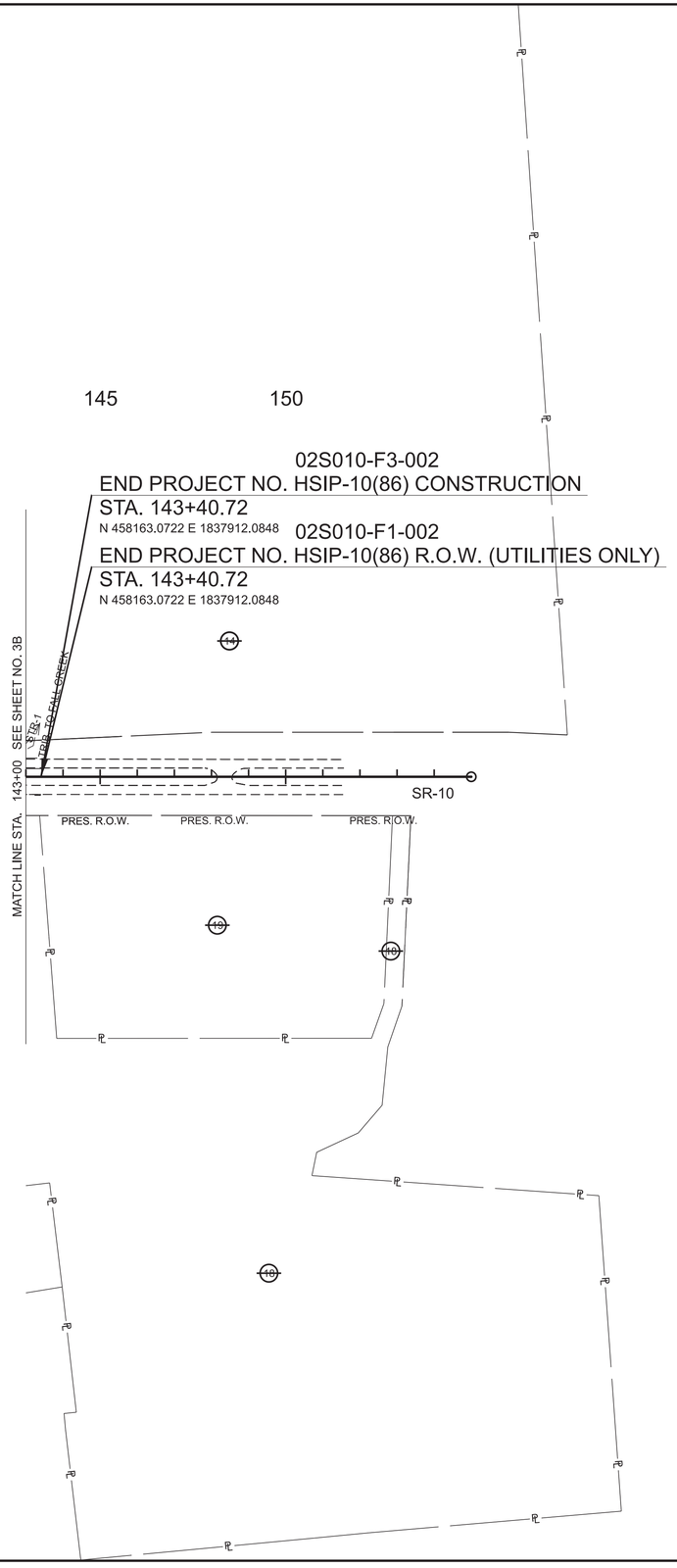
PROPERTY MAP

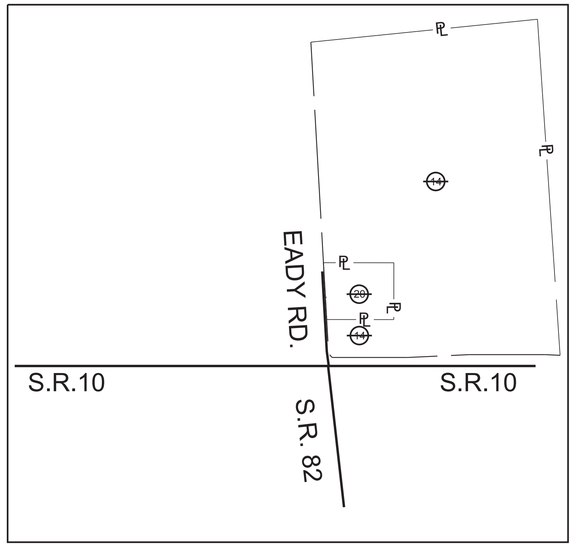
STA. 100+00.00 TO STA. 143+00.00
SCALE: 1" = 200'

2/11/2025 3:32:46 PM
Y:\Projects\0015000\0018000\18023 TDOT - On-Call Traffic 22-27\18023.005 SR10 Bedford\dgn\02S010-03-SHT-Property Map.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	3C
PIH	2025	HSIP-10(86)	3C
PS&E	2025	HSIP-10(86)	3C







PROPERTY INSET
TRACT NO. 14
N.T.S.

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107585
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

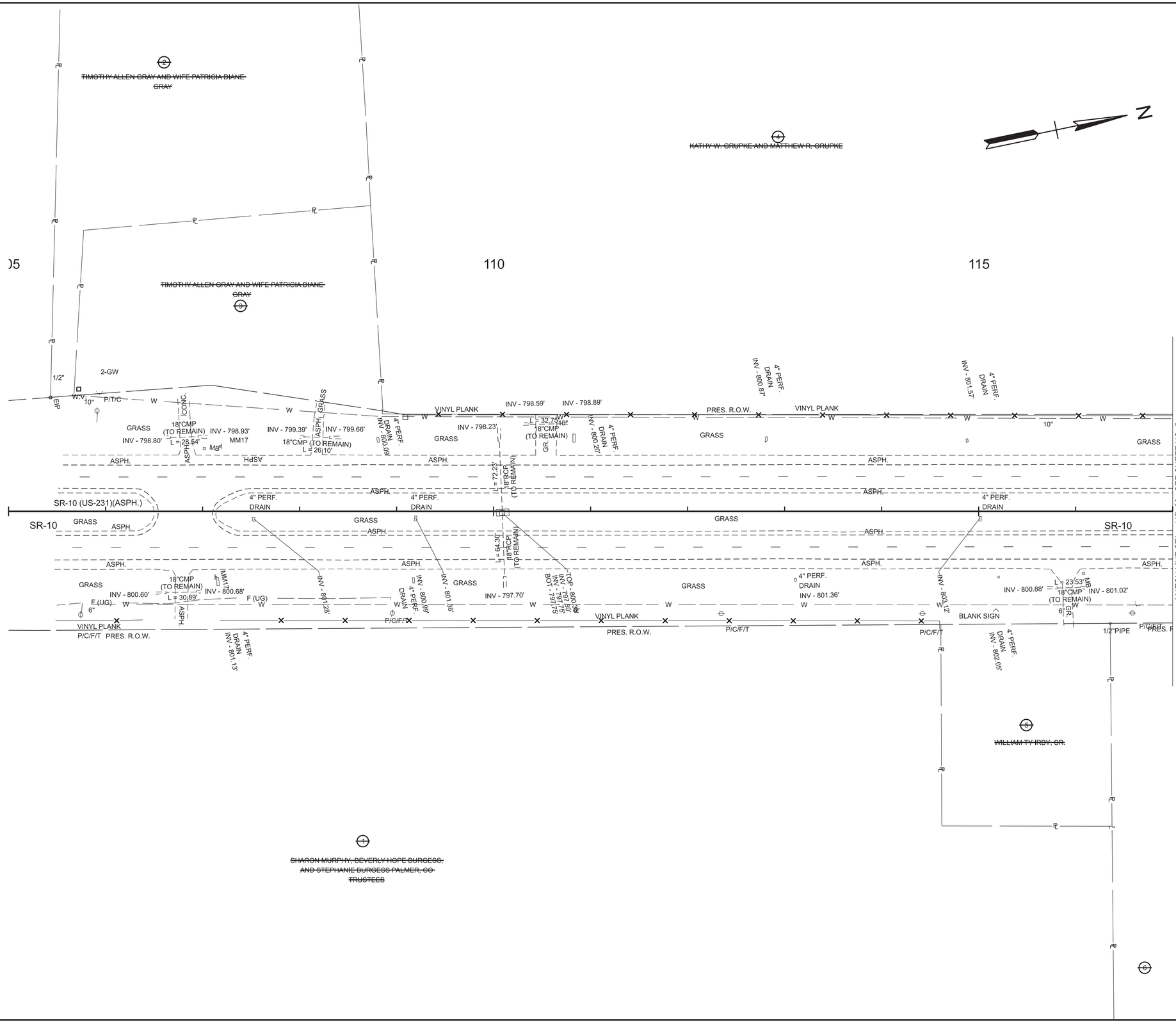
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 143+00.00 TO STA. 155+00.00
SCALE: 1" = 200'

2/11/2025 3:32:46 PM
Y:\Projects\001500\001800\18023 TDOT - On-Call Traffic 22-27\18023.005 SR10 Bedford\dgn\02S010-03-SHT-Property Map.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	4
PIH	2025	HSIP-10(86)	4
PS&E	2025	HSIP-10(86)	4



2/11/2025 3:32:50 PM
Y:\PROJECTS\00150000\018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-PRESENT LAYOUT.DGN

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 107384
STATE OF TENNESSEE

02/12/2025

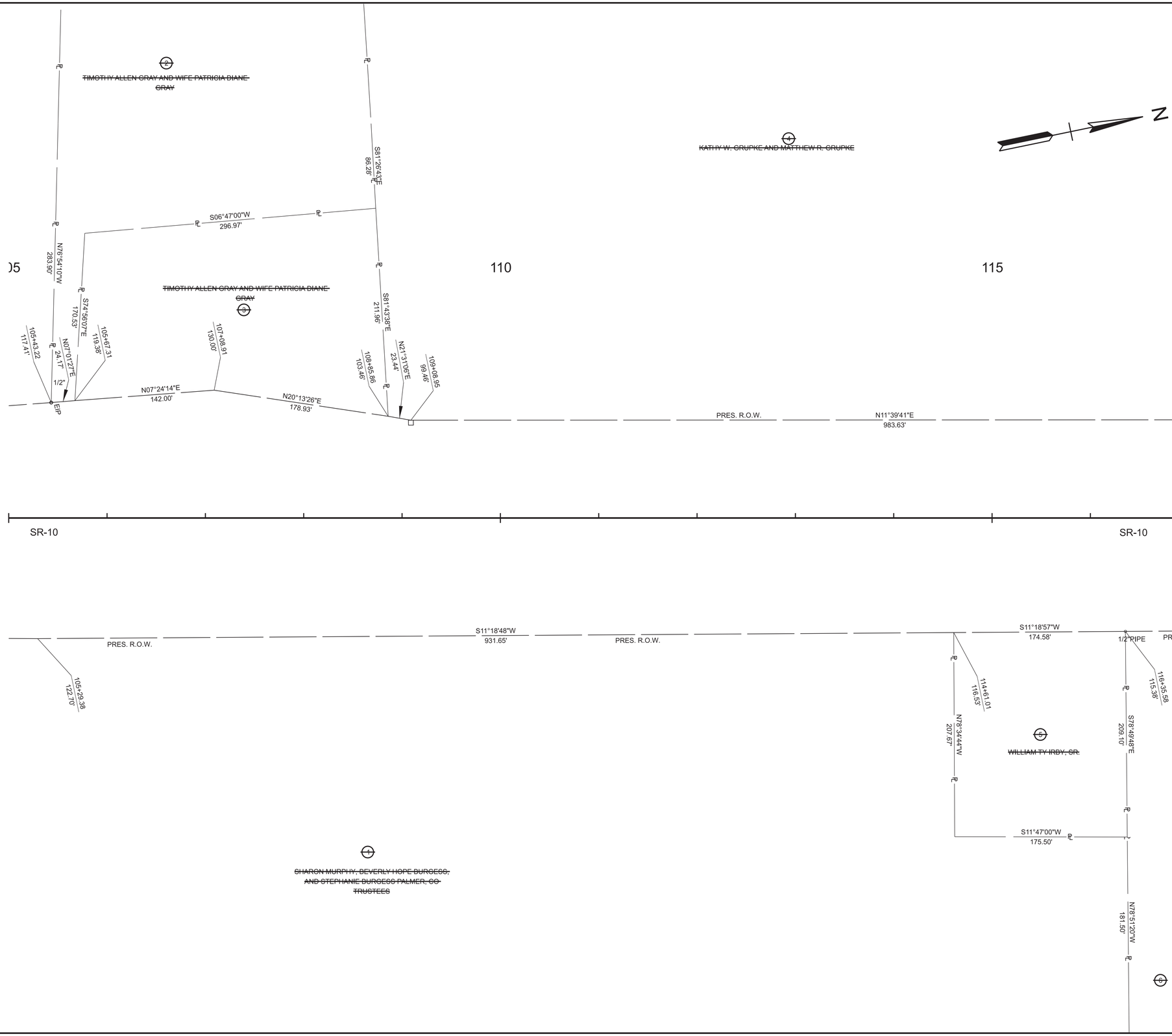
COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 105+00 TO STA. 117+00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	4A
PIH	2025	HSIP-10(86)	4A
PS&E	2025	HSIP-10(86)	4A



SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107581
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAILS

STA. 105+00.00 TO STA. 117+00.00
SCALE: 1" = 50'

2/11/2025 3:32:56 PM
Y:\PROJECTS\001500\001800\018023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-ROW DETAILS.DGN

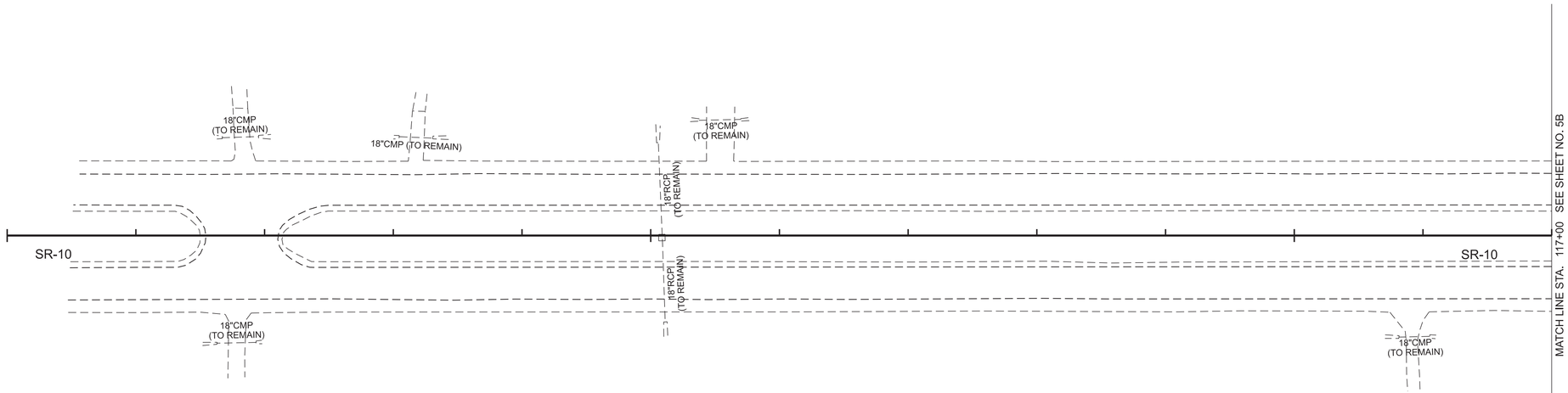
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	4B
PIH	2025	HSIP-10(86)	4B
PS&E	2025	HSIP-10(86)	4B

N

105

110

115



SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107588
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00007 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

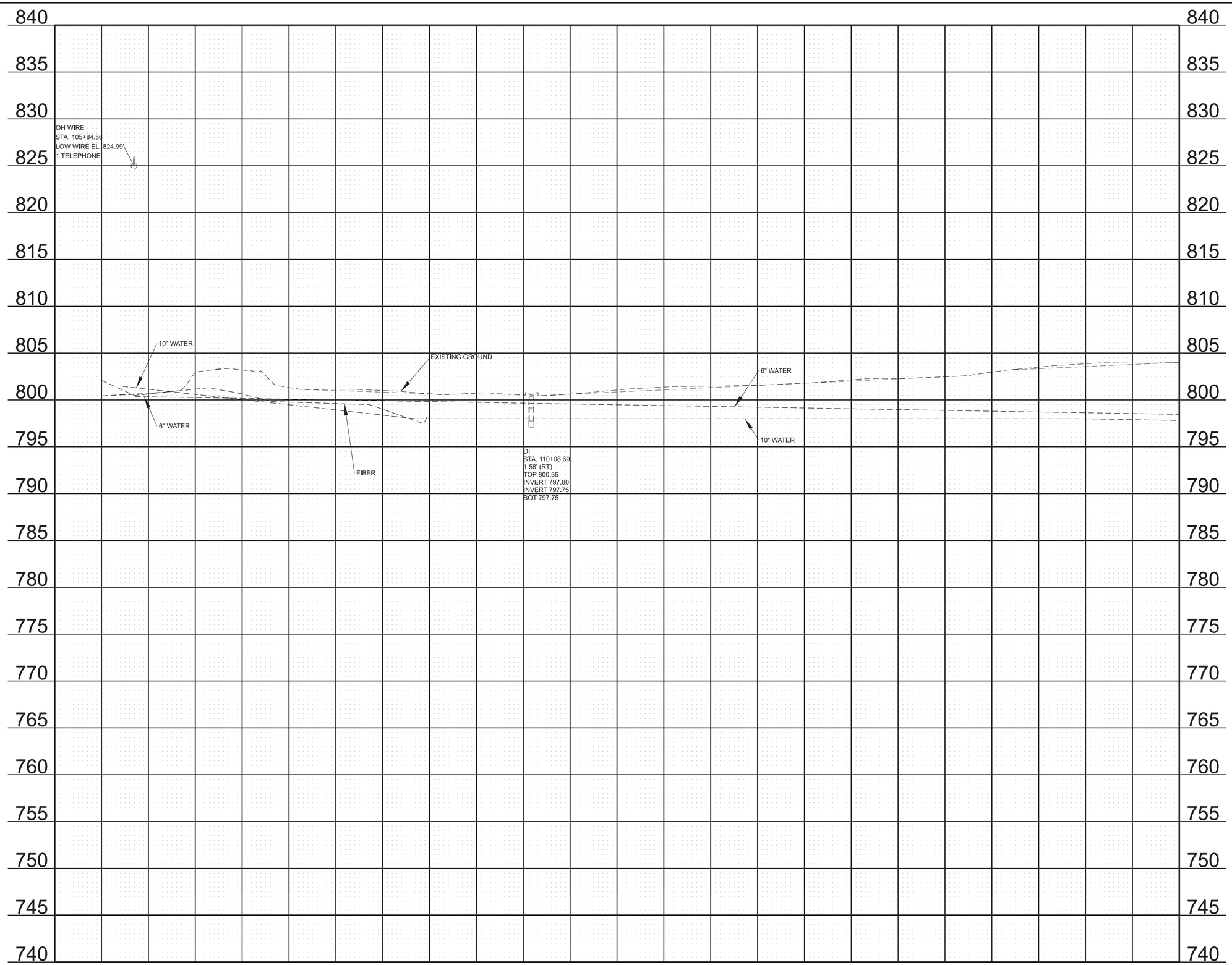
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 105+00 TO STA. 117+00
SCALE: 1" = 50'

2/11/2025 3:33:03 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-PROPOSED LAYOUT.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	4C
PIH	2025	HSIP-10(86)	4C
PS&E	2025	HSIP-10(86)	4C



SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 107588
STATE OF TENNESSEE

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

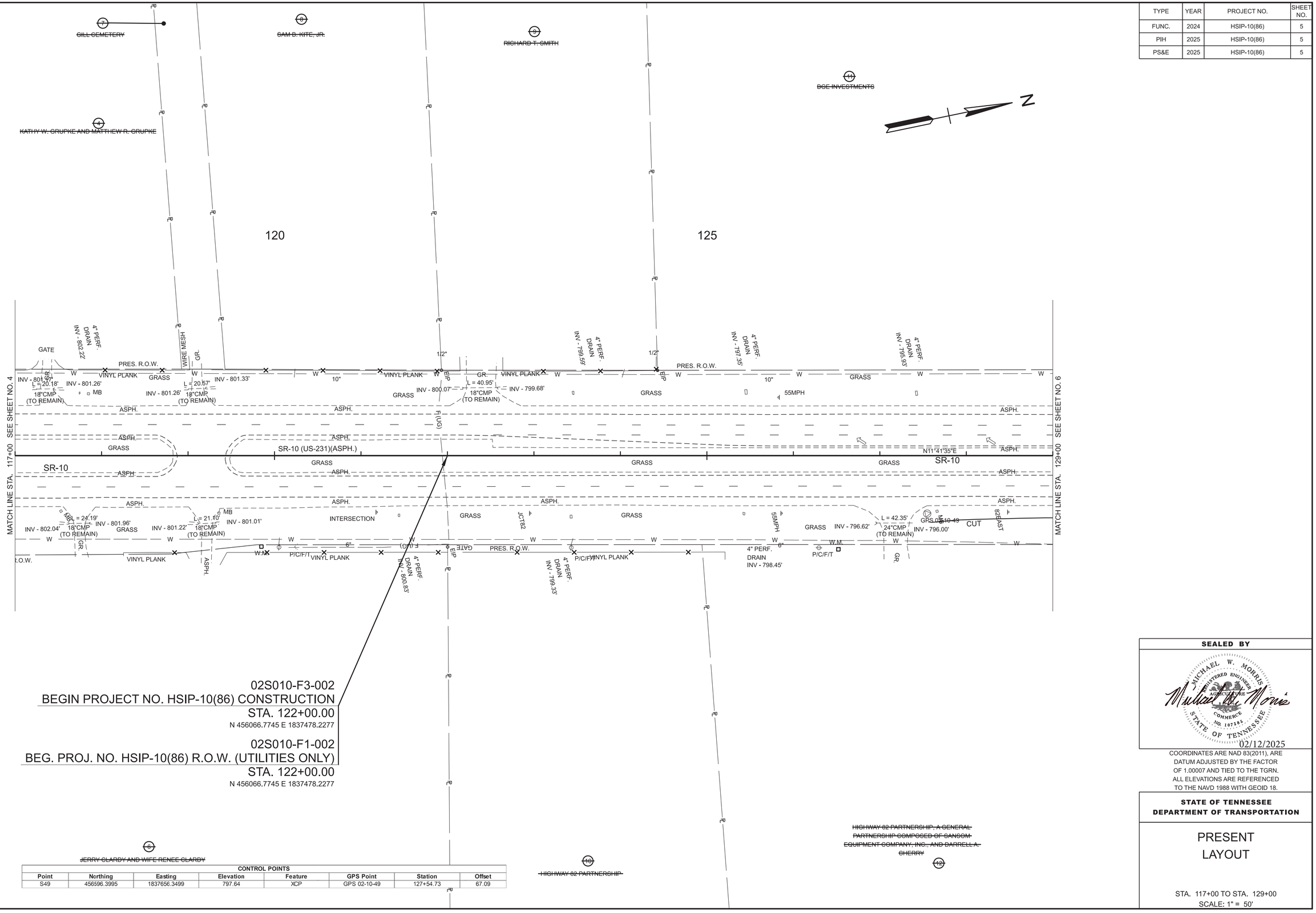
PROPOSED
PROFILE

STA. 105+00.00 TO STA. 117+00.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

2/11/2025 3:33:11 PM
Y:\PROJECTS\00150000\00180000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\025010-03-SHT-PROPOSED PROFILES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	5
PIH	2025	HSIP-10(86)	5
PS&E	2025	HSIP-10(86)	5



02S010-F3-002
BEGIN PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 122+00.00
N 456066.7745 E 1837478.2277

02S010-F1-002
BEG. PROJ. NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 122+00.00
N 456066.7745 E 1837478.2277

CONTROL POINTS							
Point	Northing	Easting	Elevation	Feature	GPS Point	Station	Offset
S49	456596.3995	1837656.3499	797.64	XCP	GPS 02-10-49	127+54.73	67.09

6
JERRY CLARDY AND WIFE RENEE CLARDY

10
HIGHWAY 82 PARTNERSHIP

12
HIGHWAY 82 PARTNERSHIP, A GENERAL PARTNERSHIP COMPOSED OF GANSOM EQUIPMENT COMPANY, INC., AND DARRELL A. CHERRY

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 107384
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 117+00 TO STA. 129+00
SCALE: 1" = 50'

2/11/2025 3:32:52 PM
Y:\PROJECTS\00150000018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-PRESENT LAYOUT.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	5A
PIH	2025	HSIP-10(86)	5A
PS&E	2025	HSIP-10(86)	5A

7 GILL CEMETERY

8 SAM B. KITE, JR.

9 RICHARD T. SMITH

11 BGE INVESTMENTS

4 KATHY W. GRUPKE AND MATTHEW R. GRUPKE

N

S82°43'52"E
602.59'

120

125

118+92.58
100.00'

119+42.73
100.00'

121+93.05
98.81'

124+42.90
98.62'

1/2"

1/2"

PRES. R.O.W.

N11°41'35"E
50.15'

N11°57'52"E
250.32'

EIP

N11°44'12"E
249.85'

EIP

PRES. R.O.W.

N11°35'45"E
809.68'

MATCH LINE STA. 117+00 SEE SHEET NO. 4A

MATCH LINE STA. 129+00 SEE SHEET NO. 6A

SR-10

N11°41'35"E
SR-10

GPS 02-10-49

CUT

S11°18'41"W
R.O.W. 243.62'

S05°36'09"W
100.50'

S11°40'12"W
221.03'

S11°40'12"W
294.12'

S11°40'12"W
446.98'

PRES. R.O.W.

118+79.20
113.76'

119+79.13
103.09'

EIP

122+00.16
103.01'

124+94.28
102.89'

02S010-F3-002
BEGIN PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 122+00.00
N 456066.7745 E 1837478.2277

02S010-F1-002
BEG. PROJ. NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 122+00.00
N 456066.7745 E 1837478.2277

N78°41'02"W
457.06'

N82°34'40"W
746.92'

6 JERRY CLARDY AND WIFE RENEE CLARDY

10 HIGHWAY 82 PARTNERSHIP

10 HIGHWAY 82 PARTNERSHIP, A GENERAL PARTNERSHIP COMPOSED OF SANSOM EQUIPMENT COMPANY, INC., AND DARRELL A. CHERRY

CONTROL POINTS							
Point	Northing	Easting	Elevation	Feature	GPS Point	Station	Offset
S49	456596.3995	1837656.3499	797.64	XCP	GPS 02-10-49	127+54.73	67.09

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107581
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAILS

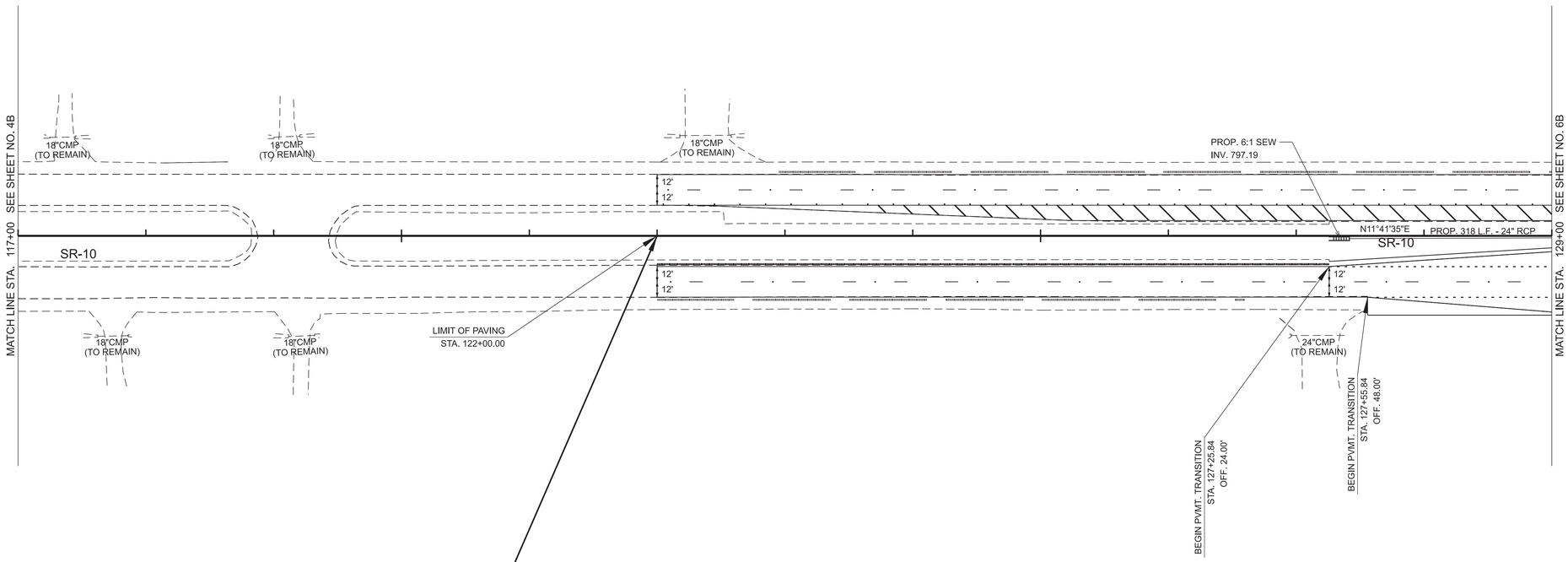
STA. 117+00.00 TO STA. 129+00.00
SCALE: 1" = 50'

2/11/2025 3:32:57 PM
Y:\PROJECTS\001500\001800\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-ROW DETAILS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	5B
PIH	2025	HSIP-10(86)	5B
PS&E	2025	HSIP-10(86)	5B

120

125



02S010-F3-002
BEGIN PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 122+00.00
N 456066.7745 E 1837478.2277

02S010-F1-002
BEG. PROJ. NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 122+00.00
N 456066.7745 E 1837478.2277

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE COMMERCE
NO. 107388
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 117+00 TO STA. 129+00
SCALE: 1" = 50'

2/11/2025 3:33:03 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-PROPOSED LAYOUT.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	5C
PIH	2025	HSIP-10(86)	5C
PS&E	2025	HSIP-10(86)	5C

OH WIRE
STA. 120+14.76
LOW WIRE EL. 824.56'
1 TELEPHONE

OH WIRE
STA. 123+74.64
LOW WIRE EL. 824.15'
1 TELEPHONE

02S010-F1-002
BEGIN PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 122+00.00

02S010-F3-002
BEGIN PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 122+00.00

EXISTING & FINISHED GRADE 1
EXISTING & FINISHED GRADE 2
EXISTING GROUND
FIBER
STA. 121+94.10
FIBER
6" WATER
PROP. 6:1 EW
STA. 127+41.34
2.00' (RT)
INVERT 797.19
S49
GPS 02-10-49
STA. 127+54.73 OFF. 67.09' RT
N 456596.3995
E 1837656.3499
EL. 797.64'
ALUM. DISK
PROP. 318 LF 24"RCP @ 1.58%
10" WATER
EXISTING & FINISHED GRADE 3

PIPE CULVERT
STATION: 127 + 41.34, 2.17' RT
STRUCTURE: PROPOSED 24" RCP

SKEW	0 DEG
DRAINAGE AREA	1.05 AC.
DESIGN DISCHARGE (Q50)	4.50 CFS
DESIGN DISCHARGE (Q100)	4.95 CFS
OVERTOPPING	799.67 ELEV.
ALLOWABLE HEADWATER	798.67 ELEV.
Q50 HEADWATER	798.21 ELEV.
Q100 HEADWATER	798.28 ELEV.
VELOCITY (Q50)	7.00 FT/S
VELOCITY (Q100)	7.20 FT/S

ENDWALLS REQUIRED: 1 - 6:1 24" SEW

STANDARD DRAWING NOS.: D-PB-1, D-SEW-1A, D-PE-24A, D-PE-24B

	117+00	118+00	119+00	120+00	121+00	122+00	123+00	124+00	125+00	126+00	127+00	128+00	129+00
EX. & F.G. 1						803.43'	803.07'	802.71'	802.30'	801.98'	801.64'	801.27'	800.96'
EX. & F.G. 2						803.72'	803.33'	802.87'	802.46'	802.01'	801.50'	801.04'	800.67'
EX. & F.G. 3													

	117+00	118+00	119+00	120+00	121+00	122+00	123+00	124+00	125+00	126+00	127+00	128+00	129+00
EX. & F.G. 1										800.62'	800.23'	799.85'	799.48'
EX. & F.G. 2										800.28'	799.95'	799.68'	799.24'
EX. & F.G. 3													798.92'

	117+00	118+00	119+00	120+00	121+00	122+00	123+00	124+00	125+00	126+00	127+00	128+00	129+00
EX. & F.G. 1												799.15'	798.85'
EX. & F.G. 2												798.73'	798.30'
EX. & F.G. 3												798.63'	798.31'

	117+00	118+00	119+00	120+00	121+00	122+00	123+00	124+00	125+00	126+00	127+00	128+00	129+00
EX. & F.G. 1													798.50'
EX. & F.G. 2													797.92'
EX. & F.G. 3													797.95'

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107588
STATE OF TENNESSEE

Michael W. Morris

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
PROFILE

STA. 117+00.00 TO STA. 129+00.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

2/11/2025 3:33:12 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-PROPOSED PROFILES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	6
PIH	2025	HSIP-10(86)	6
PS&E	2025	HSIP-10(86)	6

CONTROL POINTS

Point	Northing	Easting	Elevation	Feature	GPS Point	Station	Offset
SW2	457107.2193	1837770.9800	792.60	XCP	GPS 02-437-W2	132+78.19	75.81
S52	457708.2103	1837753.9308	790.87	XCP	GPS 02-10-52	138+63.25	-62.69

(11) ~~BGE INVESTMENTS~~

(20) ~~CHRISTOPHER CHARLES INVESTMENTS, L.P.~~

(14) ~~TENNESSEE DOWNS REAL ESTATE COMPANY, LLC~~

(13) ~~KING LAND INVESTMENTS, LLC~~

(15) ~~ROBERT F. KILGORE, JOHN T. BOBO AND IRA INNOVATION LLC FBO DENNY NORVELL HASTINGS IRA~~

(16) ~~SUSAN BELL JACOBUS, TRUSTEE, OF THE BELL LEGACY TRUST~~

(17) ~~JAMES D. POWELL AND WIFE, EVELYN POWELL~~

LEGEND	WETLAND IMPACTS (WTL-1)
	AREA OF PERMANENT IMPACT = 0.078 AC.
	VOLUME OF PERMANENT IMPACT = 62.92 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

SEALED BY

MICHAEL W. MORRIS — REGISTERED ENGINEER — AGRICULTURE — COMMERCE — NO. 107585 — STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 129+00 TO STA. 141+00
SCALE: 1" = 50'

2/11/2025 3:32:53 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\025S010-03-SHT-PRESENT LAYOUT.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	6A
PIH	2025	HSIP-10(86)	6A
PS&E	2025	HSIP-10(86)	6A

CONTROL POINTS

Point	Northing	Easting	Elevation	Feature	GPS Point	Station	Offset
SW2	457107.2193	1837770.9800	792.60	XCP	GPS 02-437-W2	132+78.19	75.81
S52	457708.2103	1837753.9308	790.87	XCP	GPS 02-10-52	138+63.25	-62.69

15

~~CHRISTOPHER CHARLES INVESTMENTS, L.P.~~

S11°44'37"W 658.27'

S11°44'37"W 50.00'

~~BGE INVESTMENTS~~

30' UTILITY EASEMENT FROM BOOK 246 PAGE 687

PRES. R.O.W.

Eady Rd.

EIP

20' UTILITY EASEMENT FROM BEDFORD CO. UTILITY DIST.

PRES. R.O.W. N81°34'21"W 301.42'

50' INGRESS AND EGRESS EASEMENT FROM DEED BOOK 370 PAGE 438.

N

LIMIT OF CONST. STA. 18+36.00

~~TENNESSEE DOWNS REAL ESTATE COMPANY, LLC~~

130

135

140

N72°05'30"E 27.58'

18+11.04 18.20'

18+35.96 30.00'

18+35.96 18.00'

CONTROLLER BOX POLE 1

STA. 133+09.22 SR-10=
STA. 50+00.00 SR-82
N 457152.9743 E 1837703.0313

STA. 133+16.28 SR-10=
STA. 20+01.16 Eady Rd.
N 457159.8864 E 1837704.4619

N59°00'30"E 34.78'

133+27.62 115.57'

133+51.20 90.00'

132+52.58 100.00'

N57°09'26"W 67.28'

S81°34'21"E 50.00'

POLE 4

PRES. R.O.W.

FILL

FILL

CUT

N11°41'35"E 800.00'

PRES. R.O.W.

GPS 02-10-52

S86°03'04"E

50

SR-10

SR-10

MATCH LINE STA. 129+00 SEE SHEET NO. 5A

MATCH LINE STA. 141+00 SEE SHEET NO. 7A

GPS 02-437-W2

FILL

POLE 3

S11°40'12"W 286.97'

S78°16'25"E

S53°05'47"W 54.35'

CUT

129+41.26 102.71'

132+28.23 102.59'

132+68.48 139.13'

S83°40'09"W 106.22'

PRES. R.O.W.

52+37.74 34.74'

POLE 2

S11°45'25"W 297.29'

PRES. R.O.W.

S11°44'39"W 170.03'

S11°38'14"W 102.27'

S12°04'40"W 165.81'

S36°07'39"E 70.89'

134+09.44 103.15'

133+61.83 155.68'

137+06.72 103.48'

138+76.75 103.63'

139+79.02 103.53'

LIMIT OF CONST. STA. 51+61.50

PRES. R.O.W.

PRES. R.O.W.

PRES. R.O.W.

~~KING LAND INVESTMENTS, LLC~~

N84°08'50"W 392.51'

54+92.06 35.06'

N84°40'18"W 254.32'

S84°44'38"E

S84°31'44"E 606.11'

SR-82

S11°38'47"W 348.34'

~~ROBERT F. KILGORE, JOHN T. BOBO AND IRA INNOVATION LLC FBO BENNY NORVELL HASTINGS IRA~~

~~SUSAN BELL JACOBUS, TRUSTEE, OF THE BELL LEGACY TRUST~~

N78°13'28"W 624.40'

S83°15'53"E 602.68'

~~JAMES D. POWELL AND WIFE, EVELYN POWELL~~

5

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 107584
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

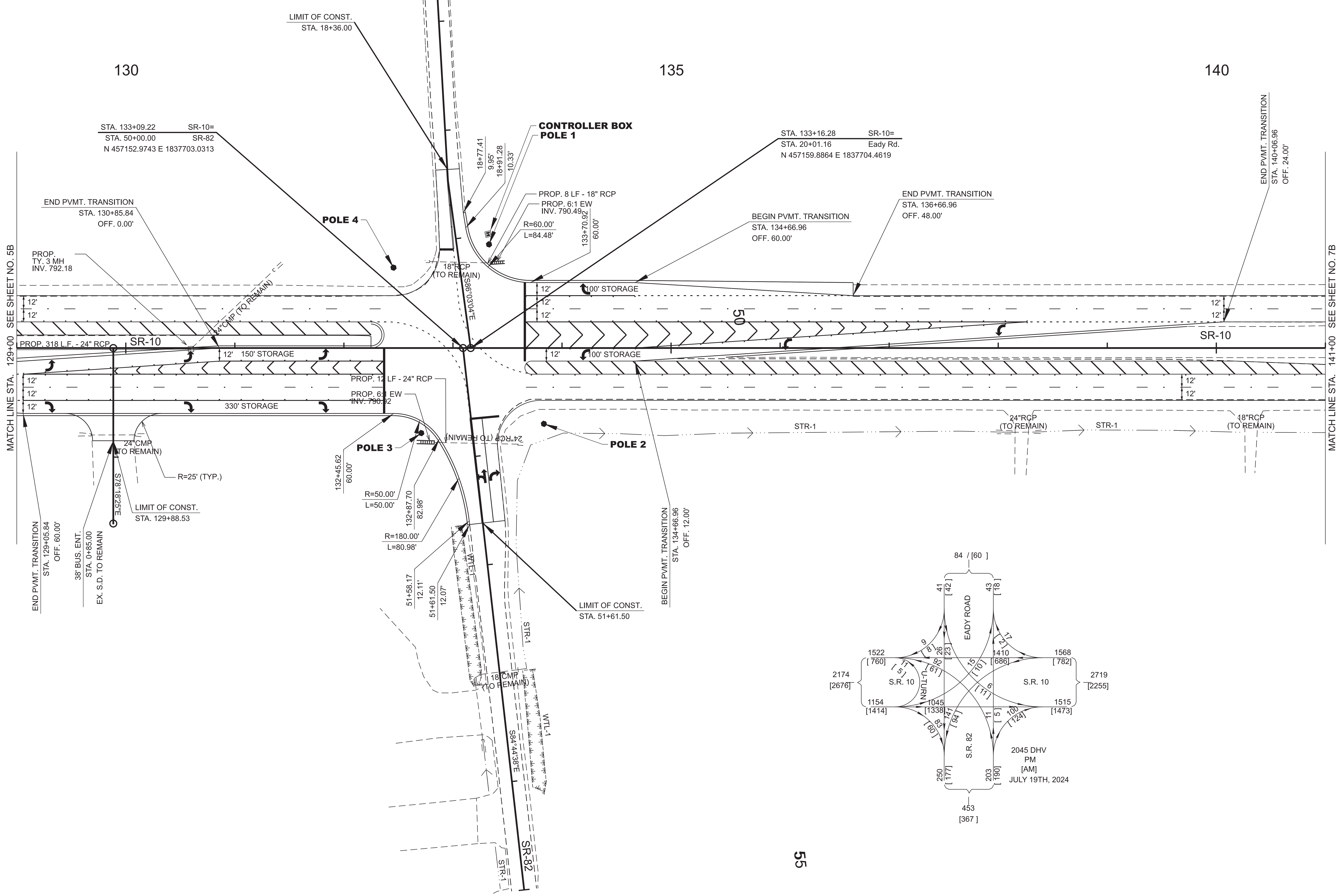
RIGHT OF WAY DETAILS

STA. 129+00.00 TO STA. 141+00.00
SCALE: 1" = 50'

2/11/2025 3:32:59 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-ROW DETAILS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	6B
PIH	2025	HSIP-10(86)	6B
PS&E	2025	HSIP-10(86)	6B

CONTRACTOR NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY WILL OCCUR IN, NOR THAT ANY CONSTRUCTION EQUIPMENT WILL ENTER ANY PORTION OF STR-1 OR WTL-1 AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.



15
Eady Rd.
N
130
135
140
LIMIT OF CONST. STA. 18+36.00
STA. 133+09.22 SR-10= STA. 50+00.00 SR-82 N 457152.9743 E 1837703.0313
CONTROLLER BOX POLE 1
STA. 133+16.28 SR-10= STA. 20+01.16 Eady Rd. N 457159.8864 E 1837704.4619
END PVMT. TRANSITION STA. 130+85.84 OFF. 0.00'
POLE 4
PROP. 8 LF - 18" RCP
PROP. 6:1 EW INV. 790.49
R=60.00' L=84.48'
BEGIN PVMT. TRANSITION STA. 134+66.96 OFF. 60.00'
END PVMT. TRANSITION STA. 136+66.96 OFF. 48.00'
END PVMT. TRANSITION STA. 140+06.96 OFF. 24.00'
PROP. TY. 3 MH INV. 792.18
18"RCP (TO REMAIN)
24"CMP (TO REMAIN)
100' STORAGE
150' STORAGE
330' STORAGE
SR-10
PROP. 318 L.F. - 24" RCP
PROP. 12 LF - 24" RCP
PROP. 6:1 EW INV. 790.32
POLE 3
POLE 2
STR-1
24"RCP (TO REMAIN)
18"RCP (TO REMAIN)
R=25' (TYP.)
LIMIT OF CONST. STA. 129+88.53
R=50.00' L=50.00'
R=180.00' L=80.98'
LIMIT OF CONST. STA. 51+61.50
BEGIN PVMT. TRANSITION STA. 134+66.96 OFF. 12.00'
END PVMT. TRANSITION STA. 129+05.84 OFF. 60.00'
38' BUS. ENT. STA. 0+85.00 EX. S.D. TO REMAIN
MATCH LINE STA. 129+00 SEE SHEET NO. 5B
MATCH LINE STA. 141+00 SEE SHEET NO. 7B
WTL-1
18"CMP (TO REMAIN)
SR-82
50
55
EADY ROAD
S.R. 10
S.R. 82
U-TURN
2045 DHV PM [AM] JULY 19TH, 2024

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE COMMERCE
NO. 107385
STATE OF TENNESSEE
02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

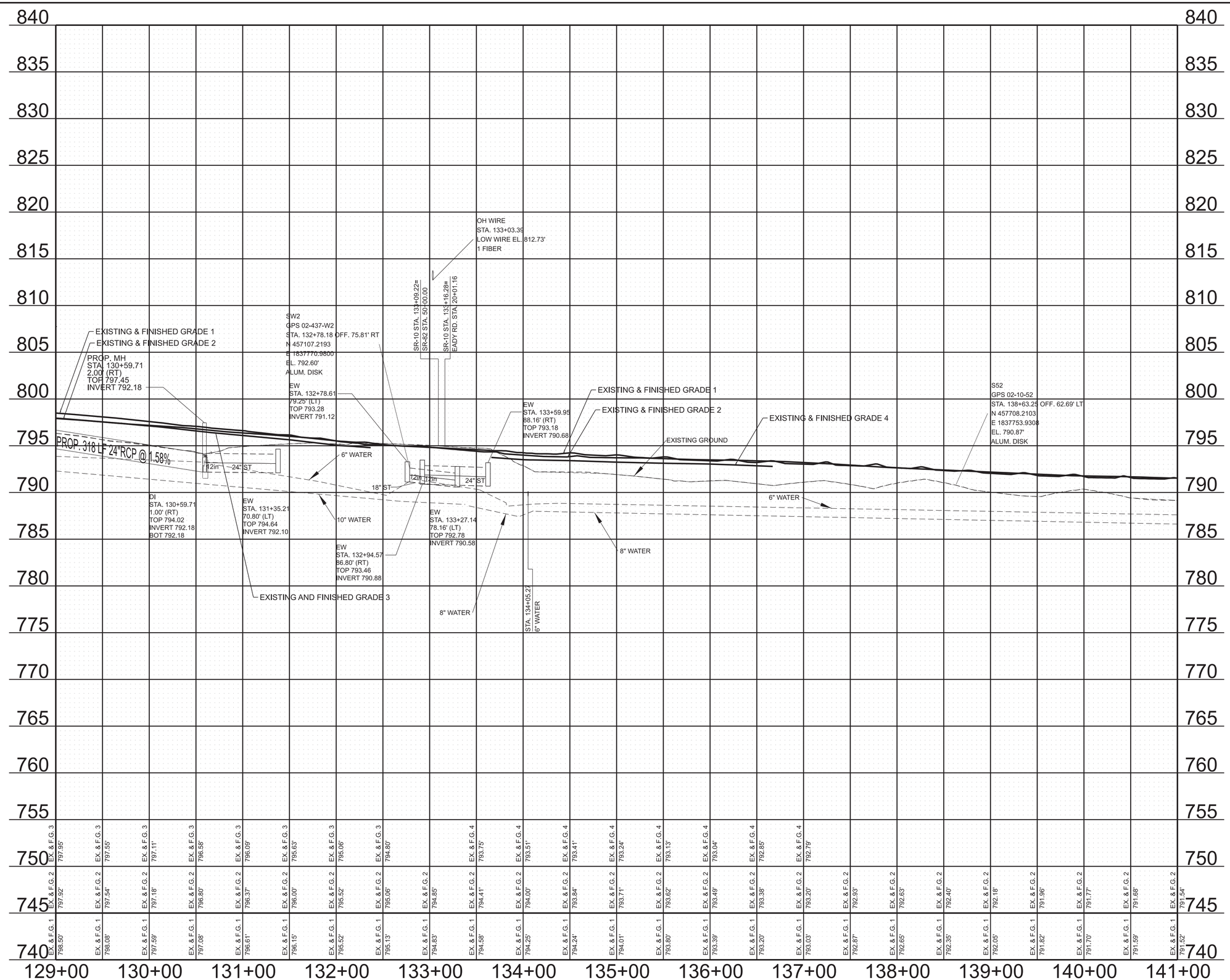
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 129+00 TO STA. 141+00
SCALE: 1" = 50'

2/11/2025 3:33:04 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-PROPOSED LAYOUT.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	6C
PIH	2025	HSIP-10(86)	6C
PS&E	2025	HSIP-10(86)	6C



SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 107588
STATE OF TENNESSEE

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

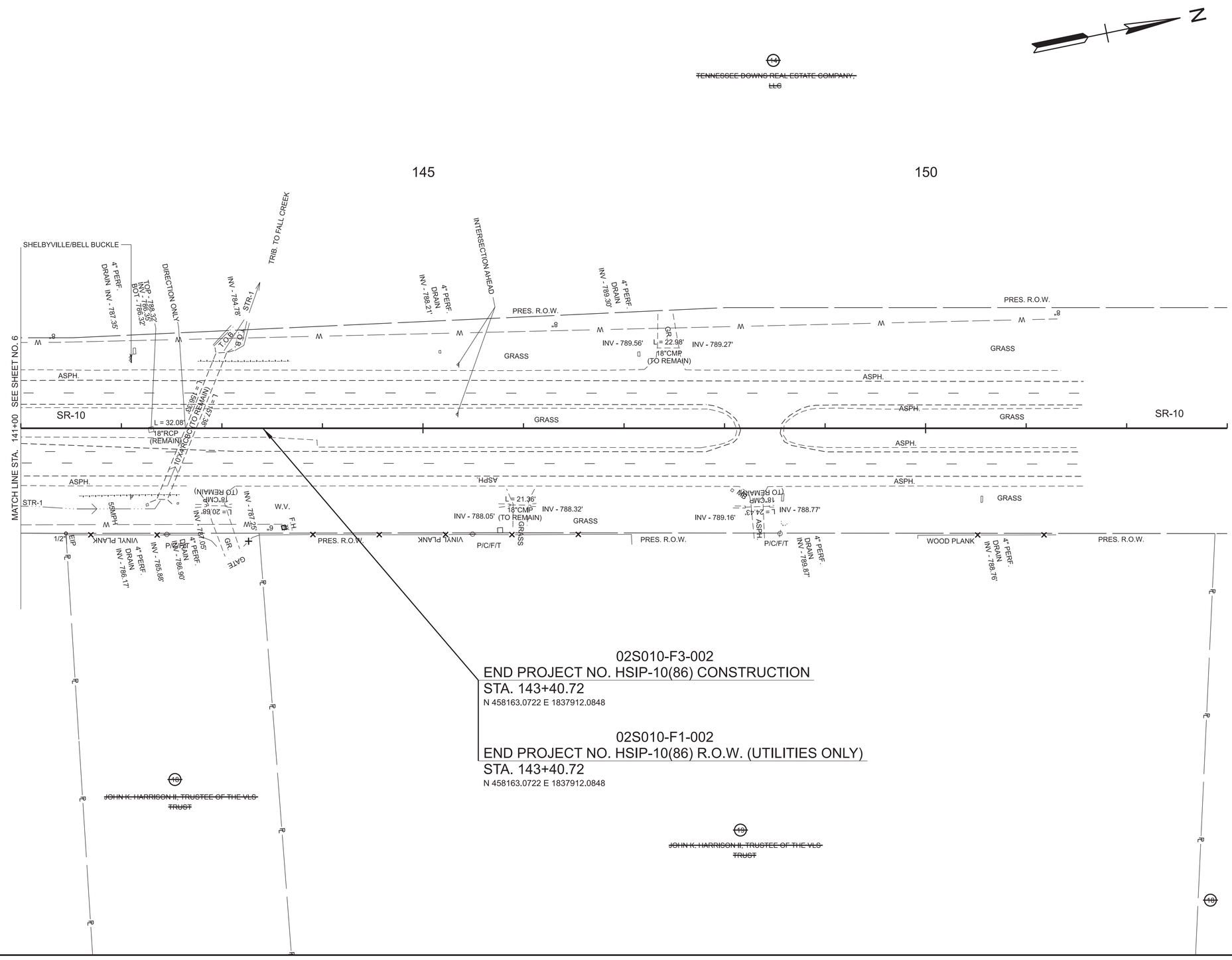
PROPOSED
PROFILE

STA. 129+00.00 TO STA. 141+00.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

2/11/2025 3:33:14 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-PROPOSED PROFILES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	7
PIH	2025	HSIP-10(86)	7
PS&E	2025	HSIP-10(86)	7



SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107588
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 141+00 TO STA. 153+00
SCALE: 1" = 50'

2/11/2025 3:32:54 PM
Y:\PROJECTS\00150000\00180001\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-PRESENT LAYOUT.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	7A
PIH	2025	HSIP-10(86)	7A
PS&E	2025	HSIP-10(86)	7A

~~TENNESSEE DOWNS REAL ESTATE COMPANY, LLC~~

145

150

MATCH LINE STA. 141+00 SEE SHEET NO. 6A

SR-10

SR-10

141+51.20
90.00'

N09°03'02"E
650.69'

PRES. R.O.W.

148+01.20
120.00'

PRES. R.O.W.

N11°41'35"E
800.00'

S11°36'05"W
192.21'

1/2" REBAR

141+44.82
104.64'

N81°53'59"W
205.28'

~~JOHN K. HARRISON II, TRUSTEE OF THE VLS TRUST~~

S11°36'05"W
239.83'

PRES. R.O.W.

143+37.03
104.33'

N82°41'09"W
601.97'

145+76.86
103.95'

S11°45'31"W
710.97'

PRES. R.O.W.

152+87.83
104.76'

S75°40'07"E
506.73'

02S010-F3-002
END PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 143+40.72
N 458163.0722 E 1837912.0848

02S010-F1-002
END PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 143+40.72
N 458163.0722 E 1837912.0848

~~JOHN K. HARRISON II, TRUSTEE OF THE VLS TRUST~~

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107388
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

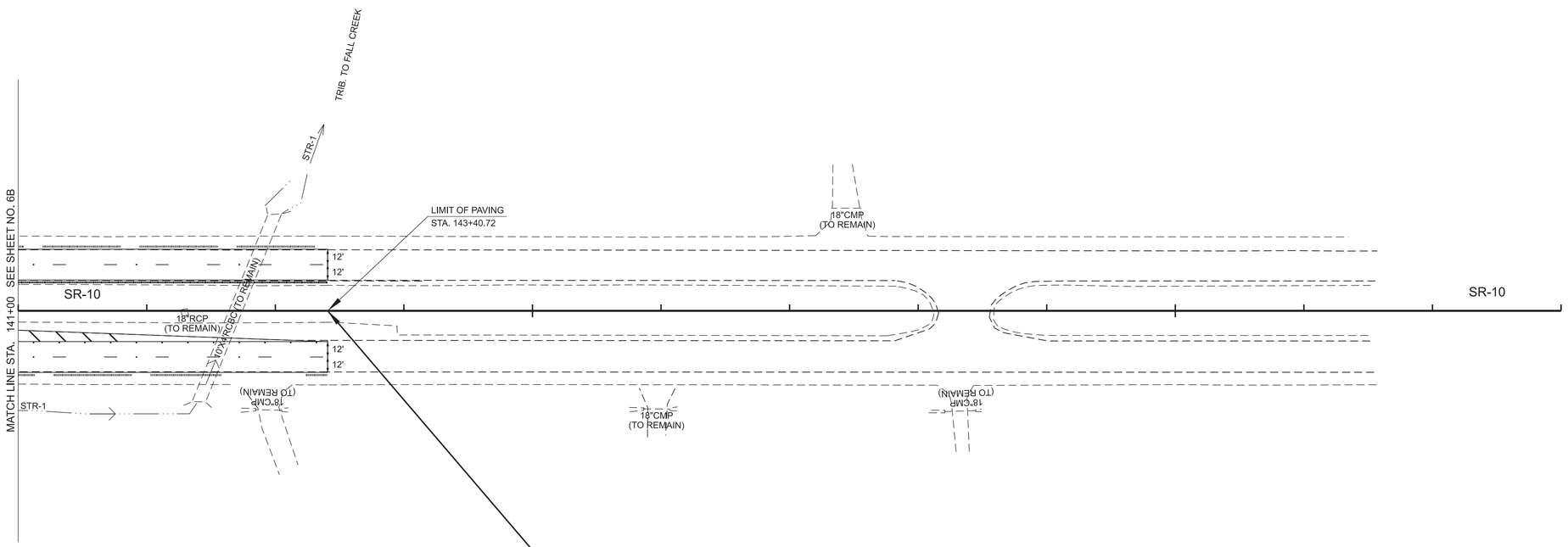
RIGHT OF WAY DETAILS

STA. 141+00 TO STA. 153+00
SCALE: 1" = 50'

2/11/2025 3:32:59 PM
Y:\PROJECTS\0015000\001800018023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-ROW DETAILS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	7B
PIH	2025	HSIP-10(86)	7B
PS&E	2025	HSIP-10(86)	7B

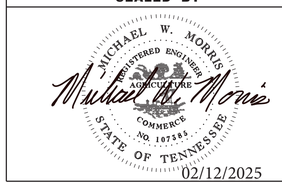
CONTRACTOR NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT NO CONSTRUCTION ACTIVITY WILL OCCUR IN, NOR THAT ANY CONSTRUCTION EQUIPMENT WILL ENTER ANY PORTION OF STR-1 OR WTL-1 AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.



02S010-F3-002
END PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 143+40.72
N 458163.0722 E 1837912.0848

02S010-F1-002
END PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 143+40.72
N 458163.0722 E 1837912.0848

SEALED BY



02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 141+00 TO STA. 153+00
SCALE: 1" = 50'

2/11/2025 3:33:05 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-PROPOSED LAYOUT.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	7C
PIH	2025	HSIP-10(86)	7C
PS&E	2025	HSIP-10(86)	7C

840 835 830 825 820 815 810 805 800 795 790 785 780 775 770 765 760 755 750 745 740

141+00 142+00 143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00 151+00 152+00 153+00

~~02S010-F1-002~~
BEGIN PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 143+40.72

02S010-F3-002
END PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 143+40.72

EXISTING & FINISHED GRADE 1

EXISTING & FINISHED GRADE 2

EXISTING GROUND

6" WATER

8" WATER

18"ST
12 HP

DI
STA. 142+29.61
0.57' (RT)
TOP 788.32
INVERT 786.35
BOT 786.32

EXIST. 10' X 4' BOX CULV.
SKEW 68°00'35" LT
FLOWS LEFT
INLET ELEV. 785.48
OUTLET ELEV. 784.78

	EX. & F.G. 1	EX. & F.G. 1	EX. & F.G. 1	EX. & F.G. 1	EX. & F.G. 1	EX. & F.G. 1	EX. & F.G. 1
	791.52'	791.36'	791.28'	791.25'	791.29'	791.39'	
	EX. & F.G. 3	EX. & F.G. 3	EX. & F.G. 3	EX. & F.G. 3	EX. & F.G. 3	EX. & F.G. 3	EX. & F.G. 3
	791.54'	791.60'	791.60'	791.41'	791.41'	791.52'	

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
STRUCTURE
COMMERCE
No. 107388
STATE OF TENNESSEE

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 141+00.00 TO STA. 153+00.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

2/11/2025 3:33:15 PM
Y:\PROJECTS\00150000018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-PROPOSED PROFILES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	8
PIH	2025	HSIP-10(86)	8
PS&E	2025	HSIP-10(86)	8

OH WIRE
STA. 51+07.08
LOW WIRE EL. 813.56'
1 FIBER

OH WIRE
STA. 58+47.27
LOW WIRE EL. 812.32'
1 TELEPHONE

OH WIRE
STA. 61+07.11
LOW WIRE EL. 812.81'
1 TELEPHONE

SR-82 STA. 50+00.00=
SR-10 STA. 138+09.22

SW2
GPS 02-437-W2
STA. 50+71.85 OFF. 39.34' RT
N 457107.2193
E 1837770.9800
EL. 792.60'
ALUM. DISK

EXISTING & PROPOSED
GRAPHICAL FINISHED GRADE
LIMIT OF CONSTRUCTION
STA. 51+61.50
EXISTING GROUND

S51
GPS 02-10-51
STA. 56+31.95 OFF. 15.20' RT
N 457079.9464
E 1838330.9362
EL. 795.23'
ALUM. DISK

EX. GROUND

4" WATER
EX. WATER
EX. WATER
EX. WATER
EX. WATER
8" WATER
EX. WATER
EX. WATER
8" WATER
4" WATER
6" WATER
8" WATER

STA. 50+87.78
EXIST. 24" RCP
SKEW 82°22'01" LT
FLOWS LEFT
INLET 790.88
OUTLET 790.68

STA. 51+37.43
6" WATER

STA. 52+98.96
EXIST. 18" CMP
SKEW 89°16'56" RT
FLOWS RIGHT
INLET 791.43
OUTLET 790.83

STA. 53+50.96
4" WATER

PIPE CULVERT	
STATION: 50 + 87.87	
STRUCTURE: EXISTING 24" RCP	
SKEW	82 LT DEG
DRAINAGE AREA	11.10 AC.
DESIGN DISCHARGE (Q50)	33.55 CFS
DESIGN DISCHARGE (Q100)	36.84 CFS
OVERTOPPING	794.08 ELEV.
ALLOWABLE HEADWATER	793.08 ELEV.
Q50 HEADWATER	794.18 ELEV.
Q100 HEADWATER	794.22 ELEV.
VELOCITY (Q50)	7.73 FT/S
VELOCITY (Q100)	7.75 FT/S
ENDWALLS REQUIRED: 1 - 6:1 24" SEW	
STANDARD DRAWING NOS.: D-PB-1, D-SEW-1A, D-PE-24A, D-PE-24B	

FG. 794.98'
FG. 794.38'
FG. 794.43'
FG. 794.38'
FG. 794.48'

S.R. 82

840 835 830 825 820 815 810 805 800 795 790 785 780 775 770 765 760 755 750 745 740

50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00 61+00 62+00

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107585
STATE OF TENNESSEE

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

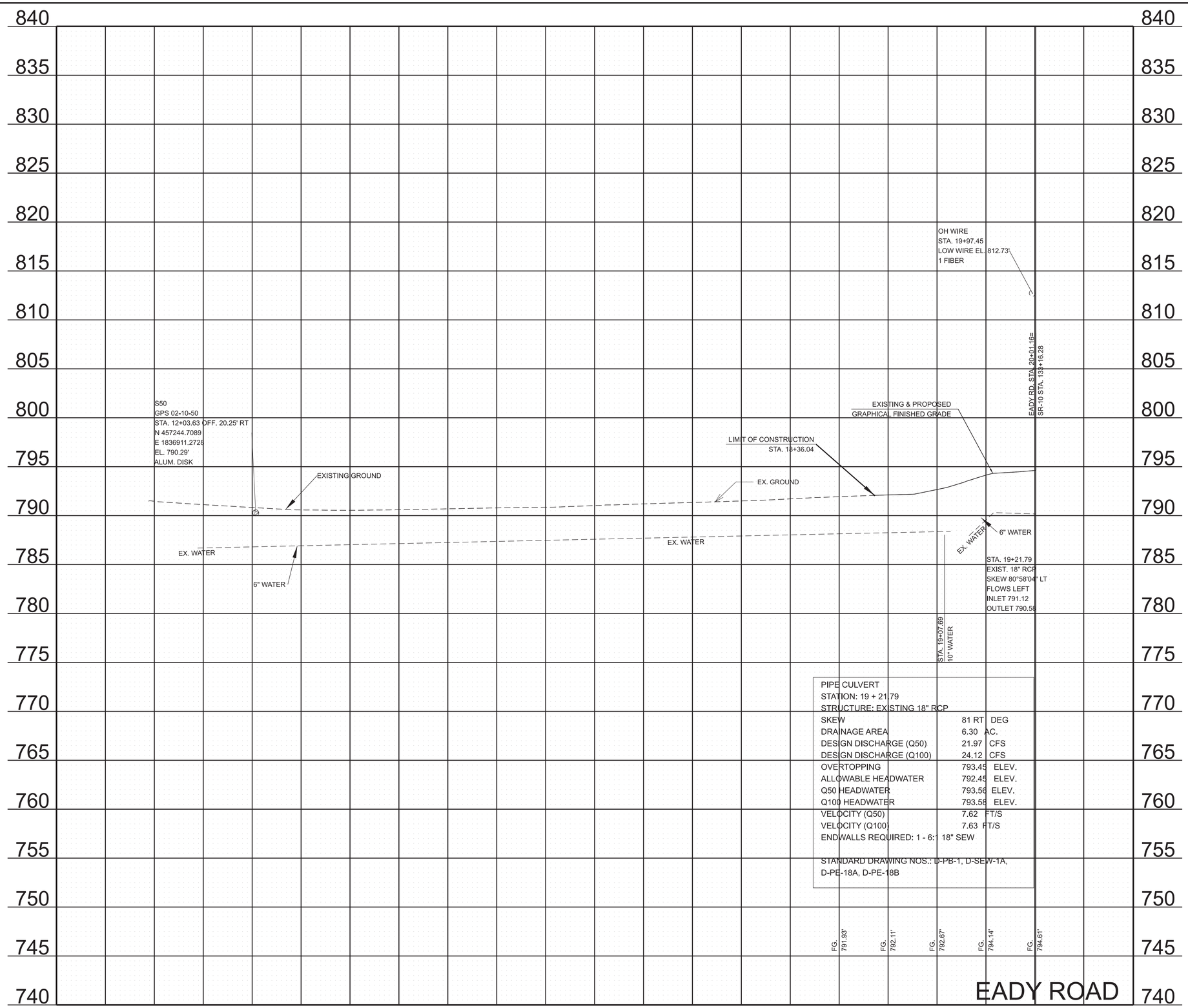
SIDE ROAD
PROFILE

STA. 50+00.00 TO STA. 62+00.00

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

2/11/2025 3:33:17 PM
Y:\PROJECTS\0015000001800018023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\025S010-03-SHT-PROPOSED SIDE ROAD PROFILES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	9
PIH	2025	HSIP-10(86)	9
PS&E	2025	HSIP-10(86)	9



PIPE CULVERT
STATION: 19 + 21.79
STRUCTURE: EXISTING 18" RCP

SKEW	81 RT	DEG
DRAINAGE AREA	6.30	AC.
DESIGN DISCHARGE (Q50)	21.97	CFS
DESIGN DISCHARGE (Q100)	24.12	CFS
OVERTOPPING	793.45	ELEV.
ALLOWABLE HEADWATER	792.45	ELEV.
Q50 HEADWATER	793.56	ELEV.
Q100 HEADWATER	793.58	ELEV.
VELOCITY (Q50)	7.62	FT/S
VELOCITY (Q100)	7.63	FT/S
ENDWALLS REQUIRED: 1 - 6:1 18" SEW		

STANDARD DRAWING NOS.: D-PB-1, D-SEW-1A, D-PE-18A, D-PE-18B

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
ARCHITECTURE
COMMERCE
NO. 107288
STATE OF TENNESSEE

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

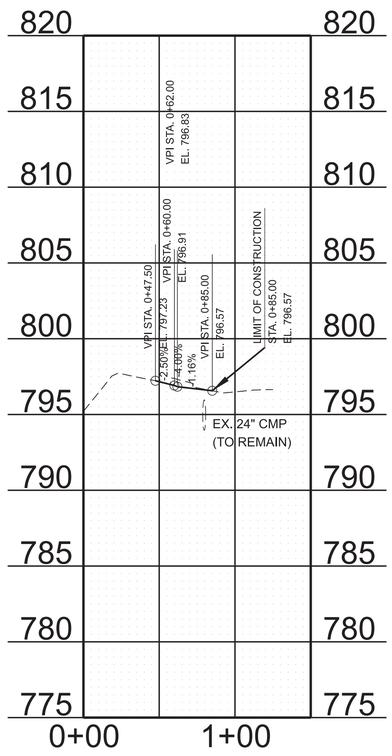
SIDE ROAD PROFILE

STA. 10+00.00 TO STA. 20+01.16

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

2/11/2025 3:33:18 PM
Y:\PROJECTS\00150000\00180000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-PROPOSED SIDE ROAD PROFILES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	10
PIH	2025	HSIP-10(86)	10
PS&E	2025	HSIP-10(86)	10



38' BUS. DRIVE STA. 129+88.53 RT., S.R. 10
TRACT NO. 13
NO S.D. REQ'D.
(EXIST. S.D. TO REMAIN)

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107588
STATE OF TENNESSEE

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE,
BUSINESS, AND
FIELD ENTRANCE
PROFILE

SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

2/11/2025 3:33:20 PM
Y:\PROJECTS\00150000\00180000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-PROPOSED DRIVEWAY PROFILES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	11
PIH	2025	HSIP-10(86)	11
PS&E	2025	HSIP-10(86)	11

①
DRAINAGE DATA FOR PIPE
STATION 110+08.90
DIRECTION OF FLOW: RIGHT
DRAINAGE AREA 5.166 AC., ( ) FLAT; (X) ROLLING; ( ) HILLY; ( )MTNS.
PRESENT STRUCTURE: 18" RCP
EXISTING STRUCTURE CONDITION: FAIR
REMARKS:

②
DRAINAGE DATA FOR PIPE
STATION 19+21.79 (EADY RD.)
DIRECTION OF FLOW: LEFT
DRAINAGE AREA 6.298 AC., ( ) FLAT; (X) ROLLING; ( ) HILLY; ( )MTNS.
PRESENT STRUCTURE: 18" RCP
EXISTING STRUCTURE CONDITION: FAIR
REMARKS: INCLUDES DA 6

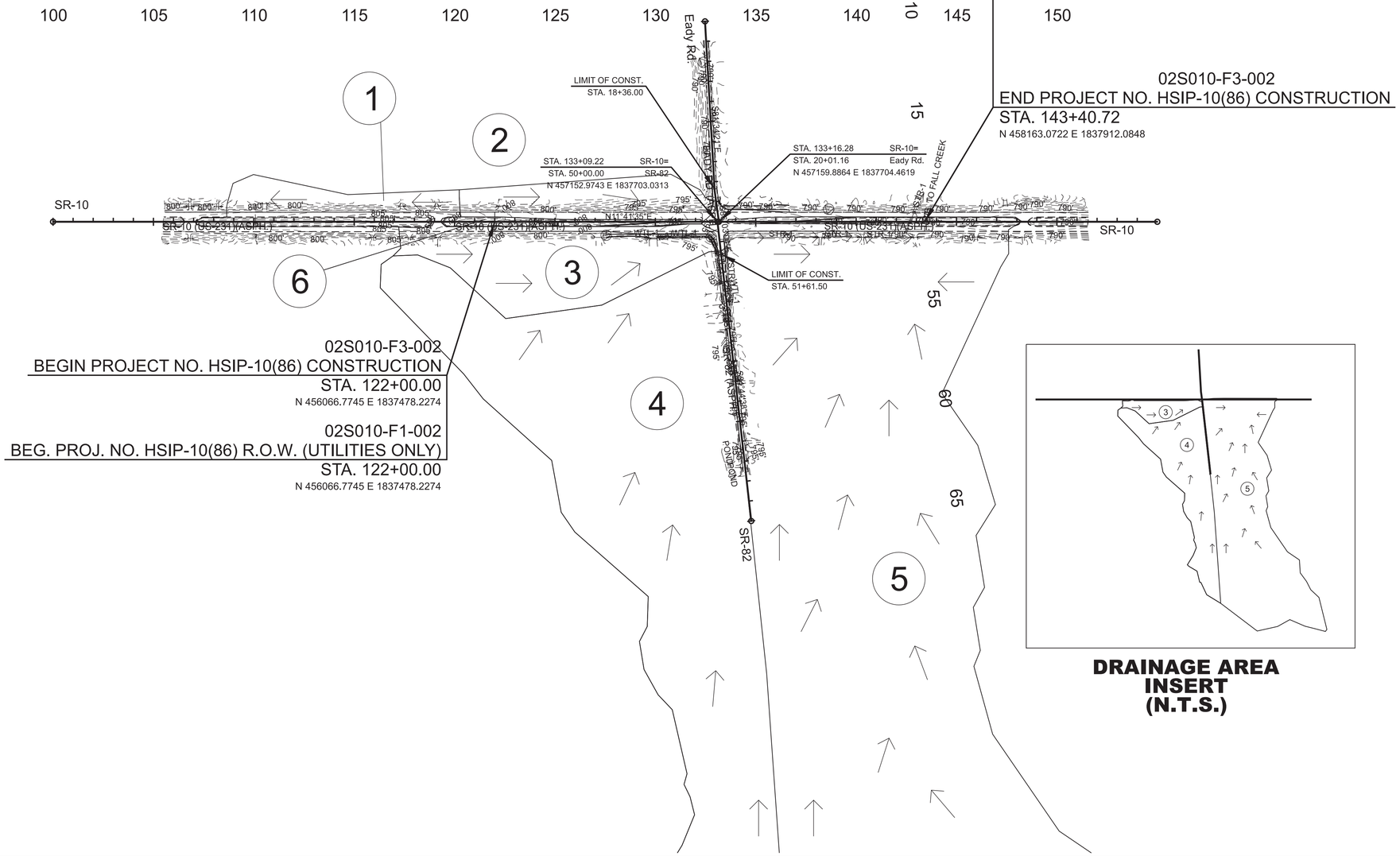
③
DRAINAGE DATA FOR PIPE
STATION 50+87.87 (SR-82)
DIRECTION OF FLOW: LEFT
DRAINAGE AREA 11.100 AC, ( ) FLAT; (X) ROLLING; ( ) HILLY; ( )MTNS.
PRESENT STRUCTURE: 24" RCP
EXISTING STRUCTURE CONDITION: FAIR
REMARKS:

④
DRAINAGE DATA FOR PIPE
STATION 52+98.97 (SR-82)
DIRECTION OF FLOW: LEFT
DRAINAGE AREA 62.764 AC , ( ) FLAT; (X) ROLLING; ( ) HILLY; ( )MTNS.
PRESENT STRUCTURE: 18" CMP
EXISTING STRUCTURE CONDITION: FAIR
REMARKS:

⑤
DRAINAGE DATA FOR BOX CULVERT
STATION 142+69.12
DIRECTION OF FLOW: LEFT
DRAINAGE AREA 216.013 AC, ( ) FLAT; (X) ROLLING; ( ) HILLY; ( )MTNS.
PRESENT STRUCTURE: 10'X4' RCBC
EXISTING STRUCTURE CONDITION: FAIR
REMARKS: INCLUDES DA 3 & 4

⑥
DRAINAGE DATA FOR PIPE
STATION 130+60.51
DIRECTION OF FLOW: LEFT
DRAINAGE AREA 1.045 AC , ( ) FLAT; (X) ROLLING; ( ) HILLY; ( )MTNS.
PRESENT STRUCTURE: 24" CMP
EXISTING STRUCTURE CONDITION: FAIR
REMARKS:

02S010-F1-002
END PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES
STA. 143+40.72
N 458163.0722 E 1837912.0848



02S010-F3-002
END PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 143+40.72
N 458163.0722 E 1837912.0848

02S010-F3-002
BEGIN PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 122+00.00
N 456066.7745 E 1837478.2274

02S010-F1-002
BEG. PROJ. NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 122+00.00
N 456066.7745 E 1837478.2274

DRAINAGE AREA INSERT (N.T.S.)

SEALED BY
Michael W. Morris
MICHAEL W. MORRIS
NO. 107385
02/12/2025

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00007 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE
MAP

STA. 100+00.00 TO STA. 155+00.00
SCALE: 1" = 300'

2/11/2025 3:33:23 PM
Y:\Projects\00150000\00180000\18023 TDOT - On-Call Traffic 22-27\18023.005 SR10 Bedford\dgn\02S010-03-SHT-DrainageMap.dgn

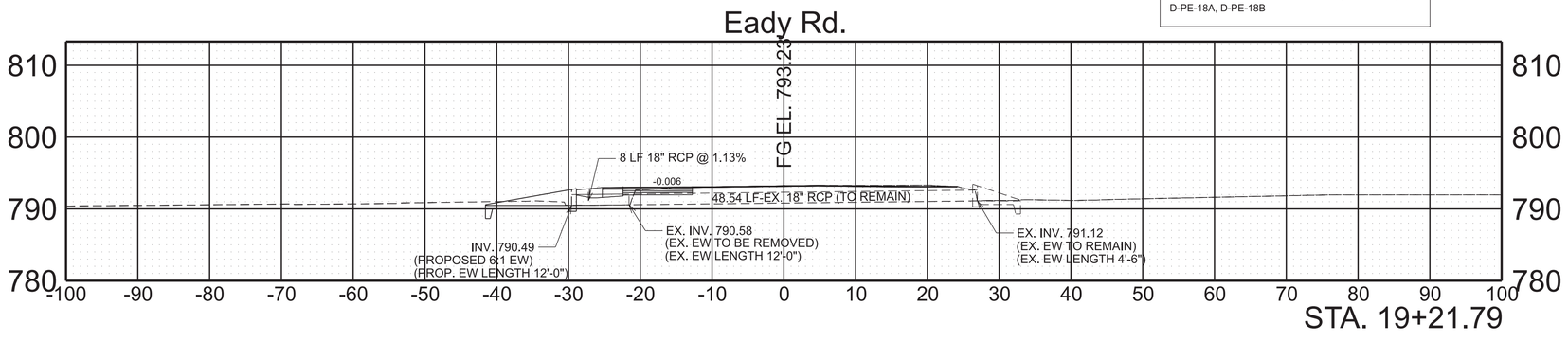
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	12
PIH	2025	HSIP-10(86)	12
PS&E	2025	HSIP-10(86)	12

PIPE CULVERT
STATION: 19 + 21.79 EADY RD.
STRUCTURE: EXISTING 18" RCP

SKEW	81 RT DEG
DRAINAGE AREA	6.30 AC.
DESIGN DISCHARGE (Q50)	21.97 CFS
DESIGN DISCHARGE (Q100)	24.12 CFS
OVERTOPPING	793.45 ELEV.
ALLOWABLE HEADWATER	792.45 ELEV.
Q50 HEADWATER	793.56 ELEV.
Q100 HEADWATER	793.58 ELEV.
VELOCITY (Q50)	7.62 FT/S
VELOCITY (Q100)	6.09 FT/S

ENDWALLS REQUIRED: 1 - 6:1 18" SEW

STANDARD DRAWING NOS.: D-PB-1, D-SEW-1A, D-PE-18A, D-PE-18B

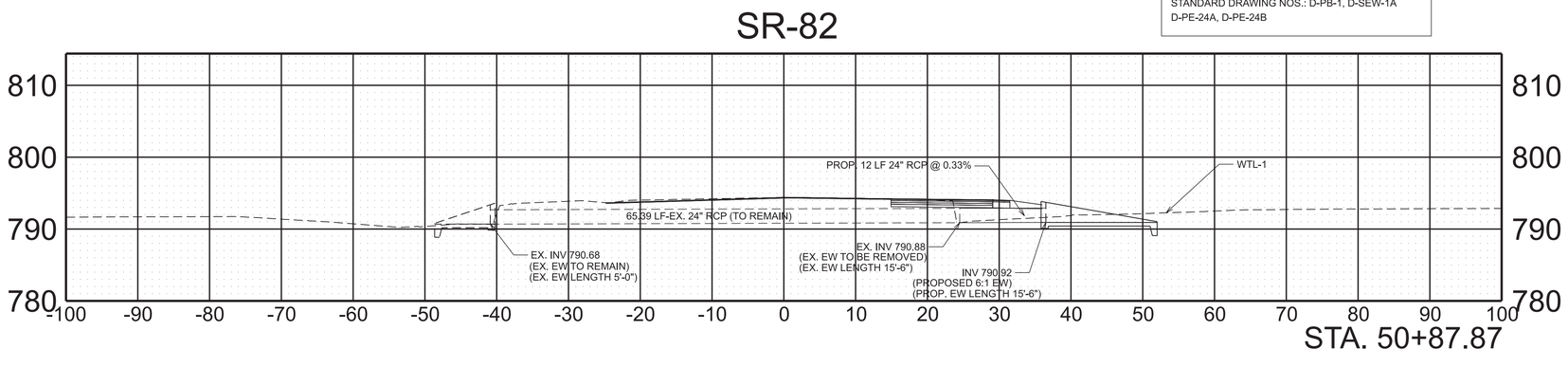


SCALE:		
	1"=10' HORIZ.	BEGIN STA. 19+21.79
	1"=10' VERT.	END STA. 19+21.79

2/6/2025 5:01:21 PM
Y:\PROJECTS\00150000018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-CULVERTSECTION-EADYRD.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	13
PIH	2025	HSIP-10(86)	13
PS&E	2025	HSIP-10(86)	13

PIPE CULVERT	
STATION: 50 + 87.87 SR-82	
STRUCTURE: EXISTING 24" RCP	
SKEW	82 LT DEG
DRAINAGE AREA	11.10 AC.
DESIGN DISCHARGE (Q50)	33.55 CFS
DESIGN DISCHARGE (Q100)	36.84 CFS
OVERTOPPING	794.08 ELEV.
ALLOWABLE HEADWATER	793.08 ELEV.
Q50 HEADWATER	794.18 ELEV.
Q100 HEADWATER	794.22 ELEV.
VELOCITY (Q50)	7.73 FT/S
VELOCITY (Q100)	7.75 FT/S
ENDWALLS REQUIRED: 1 - 6:1 24" SEW	
STANDARD DRAWING NOS.: D-PB-1, D-SEW-1A	
D-PE-24A, D-PE-24B	



SCALE:	1"=10' HORIZ.	BEGIN STA. 50+87.87
	1"=10' VERT.	END STA. 50+87.87

2/11/2025 3:34:40 PM
Y:\PROJECTS\00150000\00180000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-CULVERTSECTION-SR82.DGN

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	14
PIH	2025	HSIP-10(86)	14
PS&E	2025	HSIP-10(86)	14

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

INSPECTION, MAINTENANCE & REPAIR

(11) REFER TO THE STORM WATER POLLUTION AND PREVENTION PLAN SHEET SERIES (S-1) FOR SWPPP, PERMITS, AND RECORDS NOTES.

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

(29) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS SHALL BE REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFFSITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EPSC SHALL BE REMOVED FROM THE SITE.

(30) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION. APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED.

(31) CONTRACTORS SHALL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED, NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS SHALL NOT BE PERMITTED ONSITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.

(32) WHEEL WASH WATER SHALL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER SHALL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM.

(33) IF PORTABLE SANITARY FACILITIES ARE PROVIDED ON CONSTRUCTION SITES, SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.

(34) ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ONSITE BY THE CONTRACTOR. THE CONTRACTOR SHALL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR'S RESPONSIBLE PARTY SHALL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL.

(35) WHEN POSSIBLE, ALL PRODUCTS SHALL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFFSITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS SHALL BE FOLLOWED.

(36) ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.

(37) ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.

(38) OPEN BURNING IS PROHIBITED UNLESS IT IS SPECIFICALLY ALLOWED BY LAW. IF ALLOWED, NATURAL VEGETATION, TREES, AND UNTREATED LUMBER SHALL BE THE ONLY MATERIALS THAT CAN BE OPEN BURNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE AND LOCAL PERMITS PRIOR TO ANY BURNING.

(39) DISPOSAL OF ONSITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ONSITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.

(40) WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

STREAMS, WETLANDS & BUFFER ZONES

(54) ANY WORK WITHIN THE STREAM CHANNEL AREA (E.G., PIER FOOTING, RIP-RAP PLACEMENT, CULVERT/BRIDGE CONSTRUCTION, ETC.) SHALL BE SEPARATED FROM FLOWING WATER OR EXPECTED FLOW PATH AND PERFORMED DURING LOW FLOW CONDITIONS. ALL ITEMS USED WITHIN THE STREAM CHANNEL AREA FOR DIVERSION OF FLOW (OR EXPECTED FLOW), UNLESS SPECIFIED IN THE PLANS, SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE COST OF OTHER ITEMS. THIS NOTE EXCLUDES ANY ITEMS SPECIFIED IN THE PLANS FOR THE TEMPORARY DIVERSION CHANNELS (EC-STR-31) AND TEMPORARY DIVERSION CULVERTS (EC STR-32) FOR SINGLE BARREL CULVERT CONSTRUCTION.

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107388
STATE OF TENNESSEE

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

TABULATED EPSC QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1),(2)	209-05	SEDIMENT REMOVAL	C.Y.	102
(1),(2)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	55
(1),(2)	209-08.03	TEMPORARY SILT FENCE	L.F.	825
(1),(2)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	1
(1),(2)	209-08.09	FILTER SOCK CHECK DAM	EACH	2
(1),(2)	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	2
(1),(2)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	17
	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	1800
(1),(2),(5)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	201
(1),(2)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	91
(1),(2),(6)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	559
(1),(2)	740-11.02	TEMPORARY SEDIMENT TUBE 12IN	L.F.	225
(1),(2)	801-01	SEEDING (WITH MULCH)	UNIT	56
(1),(2),(3)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	112
(1),(2),(4)	801-03	WATER (SEEDING & SODDING)	M.G.	17

FOOT NOTES

(1) SEE SUBSECTION 209.07 OF STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.

(2) ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.

(3) THE COST OF FERTILIZER AND LIME USED IN INITIAL SEED BED PREPARATION IS TO BE INCLUDED IN THE COST OF SEEDING. SEE SECTION 801 OF TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

(4) INCLUDES 17 THOUSAND GALLONS (M.G.) FOR EROSION PREVENTION AND SEDIMENT CONTROL.

(5) INCLUDES 150 TONS USED FOR TEMPORARY CONSTRUCTION EXITS.

(6) INCLUDES 258 S.Y. USED FOR TEMPORARY CONSTRUCTION EXITS.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
×× TUBE ×× TUBE	SEDIMENT TUBE	EC-STR-37
✱ SF ✱ SF ✱ SF	SILT FENCE	EC-STR-3B
✱ SFB ✱ SFB ✱	SILT FENCE WITH WIRE BACKING	EC-STR-3C
×× SOCK ×× SOCK	FILTER SOCK	EC-STR-8
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
✕ HVF ✕ HVF	HIGH VISIBILITY FENCE	S-F-1
D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	15
PIH	2025	HSIP-10(86)	15
PS&E	2025	HSIP-10(86)	15

ORDER OF CONSTRUCTION ACTIVITIES

STAGE 1 (CLEARING AND GRUBBING)

(1) STAGE 1 CONSISTS OF CLEARING AND GRUBBING, MASS GRADING, AND CONSTRUCTION OF SITE FEATURES INSIDE PHASE LINES WHILE TRAFFIC IS MAINTAINED ON EXISTING ROADWAY AS SHOWN IN PHASE 1 TRAFFIC CONTROL PLANS.

(2) STAGE 1 INCLUDES CONSTRUCTION OF RIGHT TURN LANES IN NORTHWEST AND SOUTHEAST CORNERS OF INTERSECTION AND SOME PROPOSED PIPES, AND ENDWALLS LOCATED INSIDE PHASE LINES AS SHOWN IN PHASE 1 TRAFFIC CONTROL PLANS.

STAGE 2 (INTERMEDIATE GRADING)

(1) STAGE 2 CONSISTS OF MASS GRADING AND CONSTRUCTION OF SITE FEATURES INSIDE PHASE LINES FOR LEFT TURN LANES IN MEDIAN WHILE TRAFFIC IS MAINTAINED ON EXISTING PAVEMENT AS SHOWN IN PHASE 2.

(2) STAGE 2 INCLUDES CONSTRUCTION OF REMAINDER OF INTERSECTION PAVING, COLD PLANING, INSTALLATION OF PROPOSED SIGNAL, AND SOME PROPOSED STORM WATER CATCH BASINS, PIPES, AND ENDWALLS LOCATED INSIDE PHASE LINES AS SHOWN IN PHASE 2 TRAFFIC CONTROL PLANS.

STAGE 3 (FINAL CONSTRUCTION & STABILIZATION)

(1) STAGE 3 CONSISTS OF ACTIVITIES NECESSARY TO ACHIEVE FINAL GRADING AND PERMANENTLY STABILIZE REMAINING DISTURBED AREAS.

(2) CONSTRACTOR SHALL INSTALL PERMANENT EPSC DEVICES WITHIN 15 CALENDAR DAYS AFTER FINAL GRADING.

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107585
STATE OF TENNESSEE

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) LEGEND & TABULATION

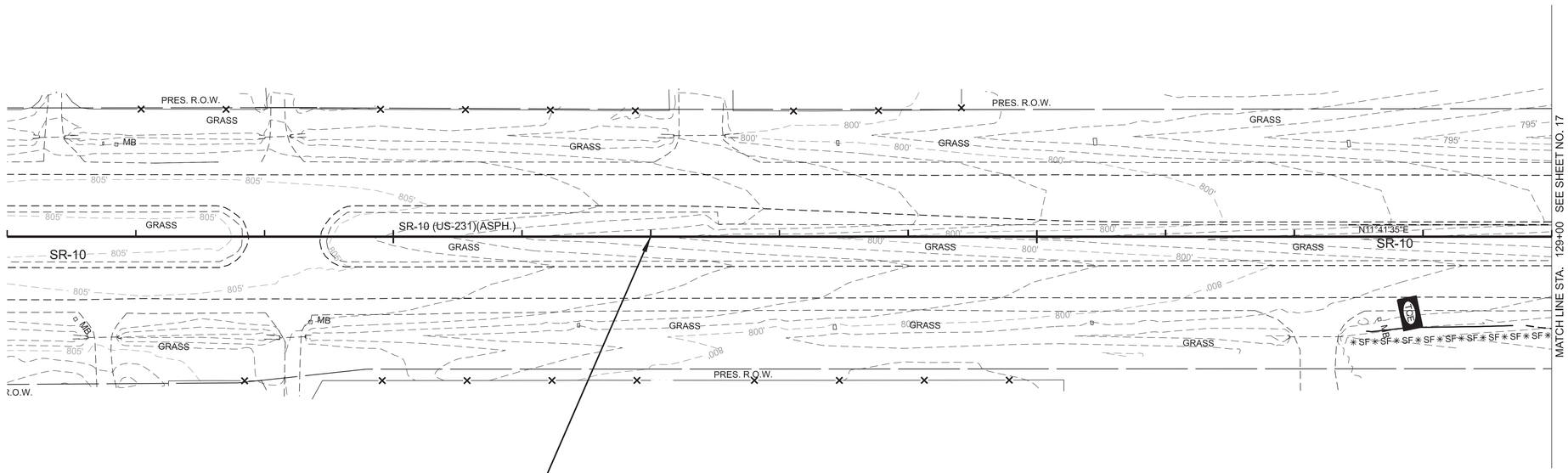
2/11/2025 3:35:18 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-EPSC TAB.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	16
PIH	2025	HSIP-10(86)	16
PS&E	2025	HSIP-10(86)	16

N

120

125



02S010-F3-002
BEGIN PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 122+00.00
N 456066.7745 E 1837478.2277

02S010-F1-002
BEG. PROJ. NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 122+00.00
N 456066.7745 E 1837478.2277

EXISTING CONTOURS SHOWN

STAGE I

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107585
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

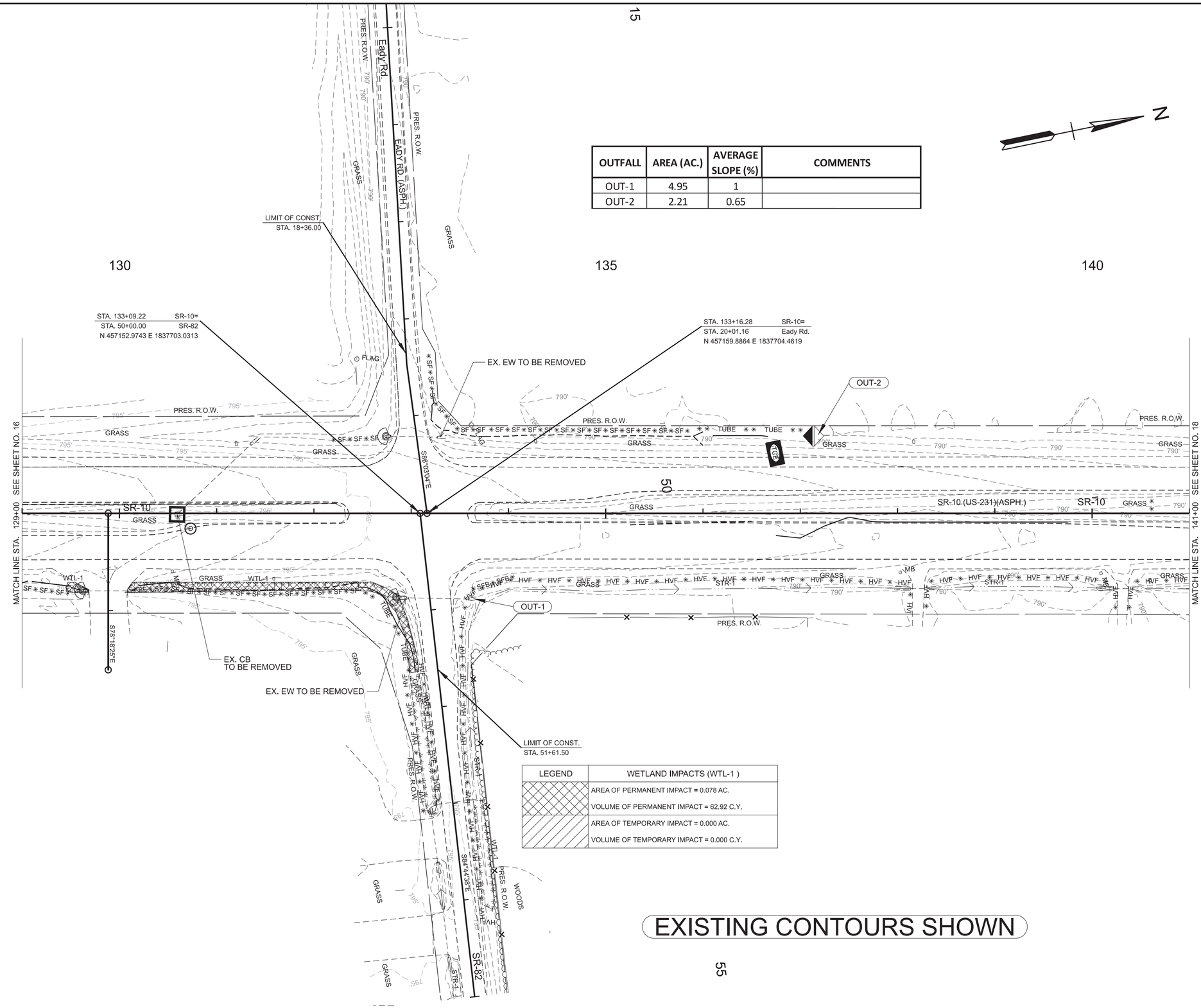
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 117+00 TO STA. 129+00
SCALE: 1" = 50'

2/11/2025 3:35:41 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-EPSC1.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	17
PIH	2025	HSIP-10(86)	17
PS&E	2025	HSIP-10(86)	17

OUTFALL	AREA (AC.)	AVERAGE SLOPE (%)	COMMENTS
OUT-1	4.95	1	
OUT-2	2.21	0.65	



LEGEND	WETLAND IMPACTS (WTL-1)
	AREA OF PERMANENT IMPACT = 0.078 AC.
	VOLUME OF PERMANENT IMPACT = 62.92 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

EXISTING CONTOURS SHOWN

55

STAGE I

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107581
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

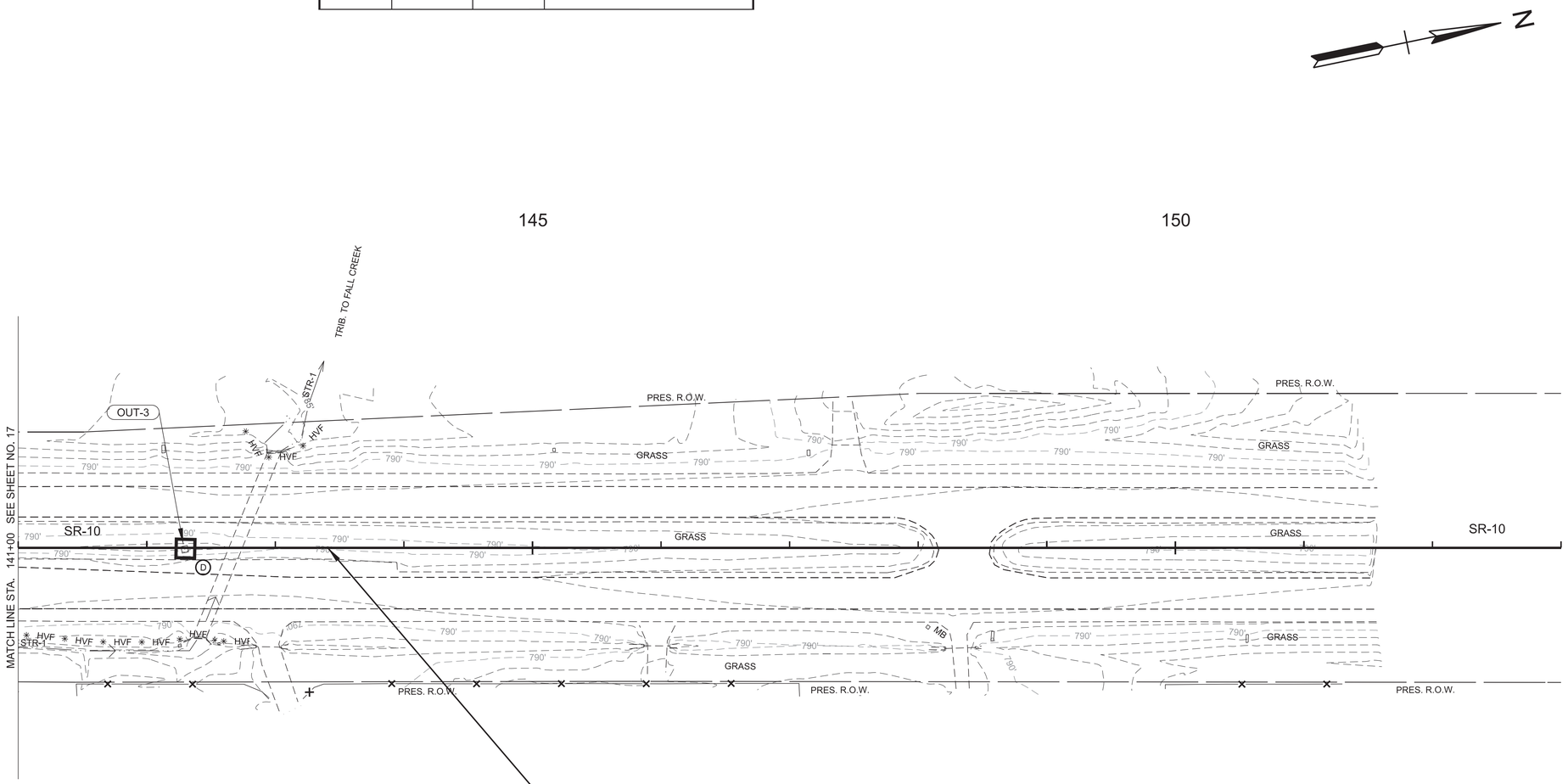
STA. 129+00 TO STA. 141+00

SCALE: 1" = 50'

2/11/2025 3:35:42 PM
Y:\PROJECTS\00150000\00180001\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-EPSC1.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	18
PIH	2025	HSIP-10(86)	18
PS&E	2025	HSIP-10(86)	18

OUTFALL	AREA (AC.)	AVERAGE SLOPE (%)	COMMENTS
OUT-3	0.72	0.65	



02S010-F3-002
END PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 143+40.72
N 458163.0722 E 1837912.0848

02S010-F1-002
END PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 143+40.72
N 458163.0722 E 1837912.0848

EXISTING CONTOURS SHOWN

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 107585
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 141+00 TO STA. 153+00
SCALE: 1" = 50'

STAGE I

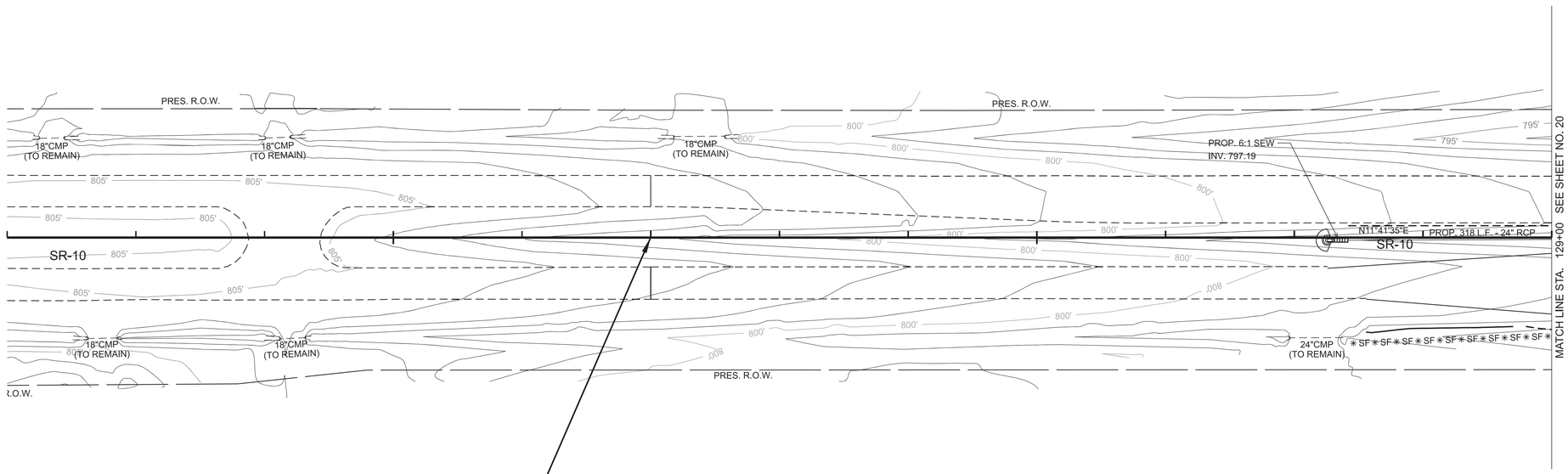
2/11/2025 3:35:44 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-EPSC1.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	19
PIH	2025	HSIP-10(86)	19
PS&E	2025	HSIP-10(86)	19

N

120

125



02S010-F3-002
BEGIN PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 122+00.00
N 456066.7745 E 1837478.2277

02S010-F1-002
BEG. PROJ. NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 122+00.00
N 456066.7745 E 1837478.2277

PROPOSED CONTOURS SHOWN

STAGE II

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107585
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

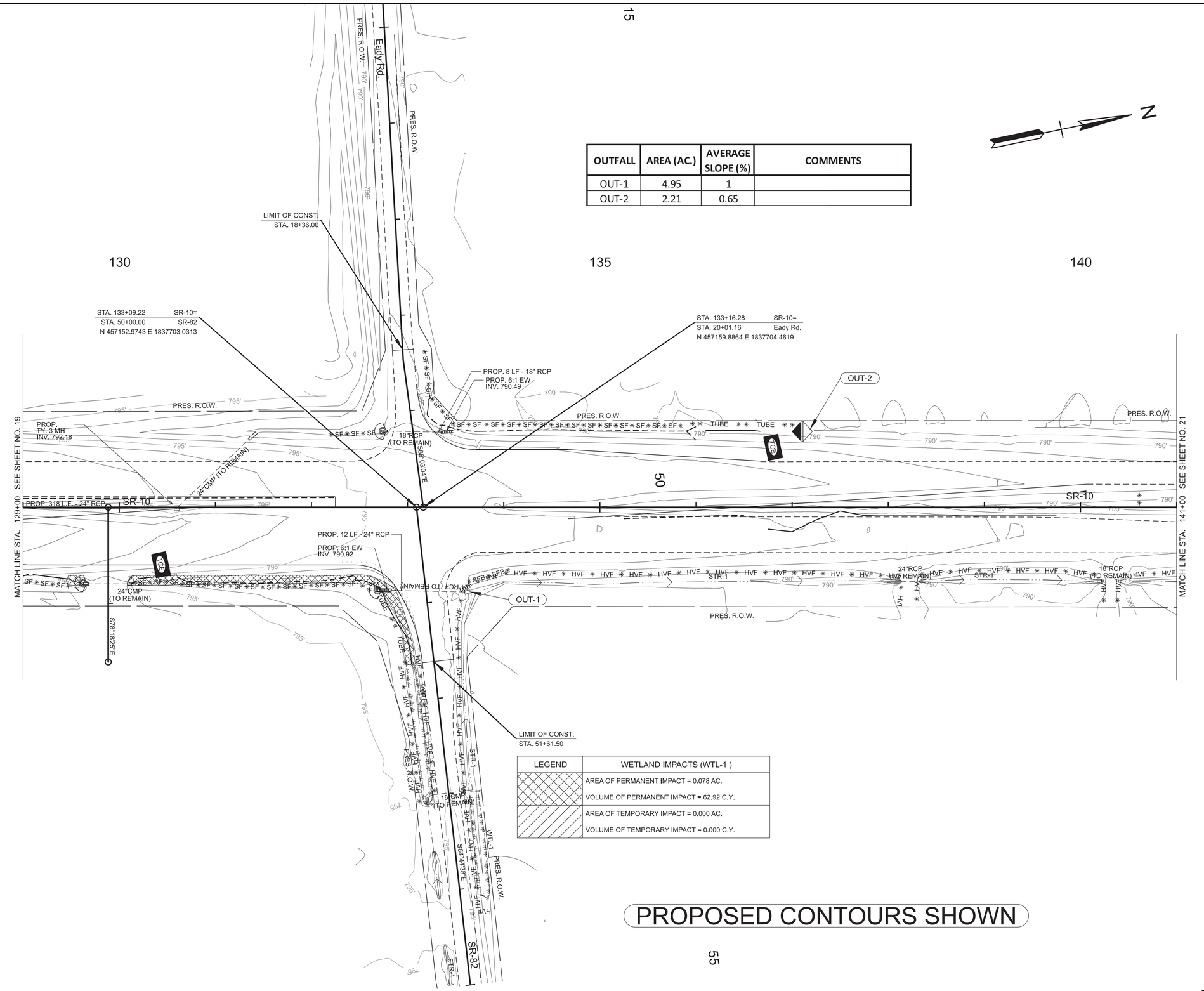
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 117+00 TO STA. 129+00
SCALE: 1" = 50'

2/11/2025 3:35:47 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-EPSC2.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	20
PIH	2025	HSIP-10(86)	20
PS&E	2025	HSIP-10(86)	20

OUTFALL	AREA (AC.)	AVERAGE SLOPE (%)	COMMENTS
OUT-1	4.95	1	
OUT-2	2.21	0.65	



LEGEND	WETLAND IMPACTS (WTL-1)
	AREA OF PERMANENT IMPACT = 0.078 AC.
	VOLUME OF PERMANENT IMPACT = 62.92 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

PROPOSED CONTOURS SHOWN

STAGE II

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107581
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

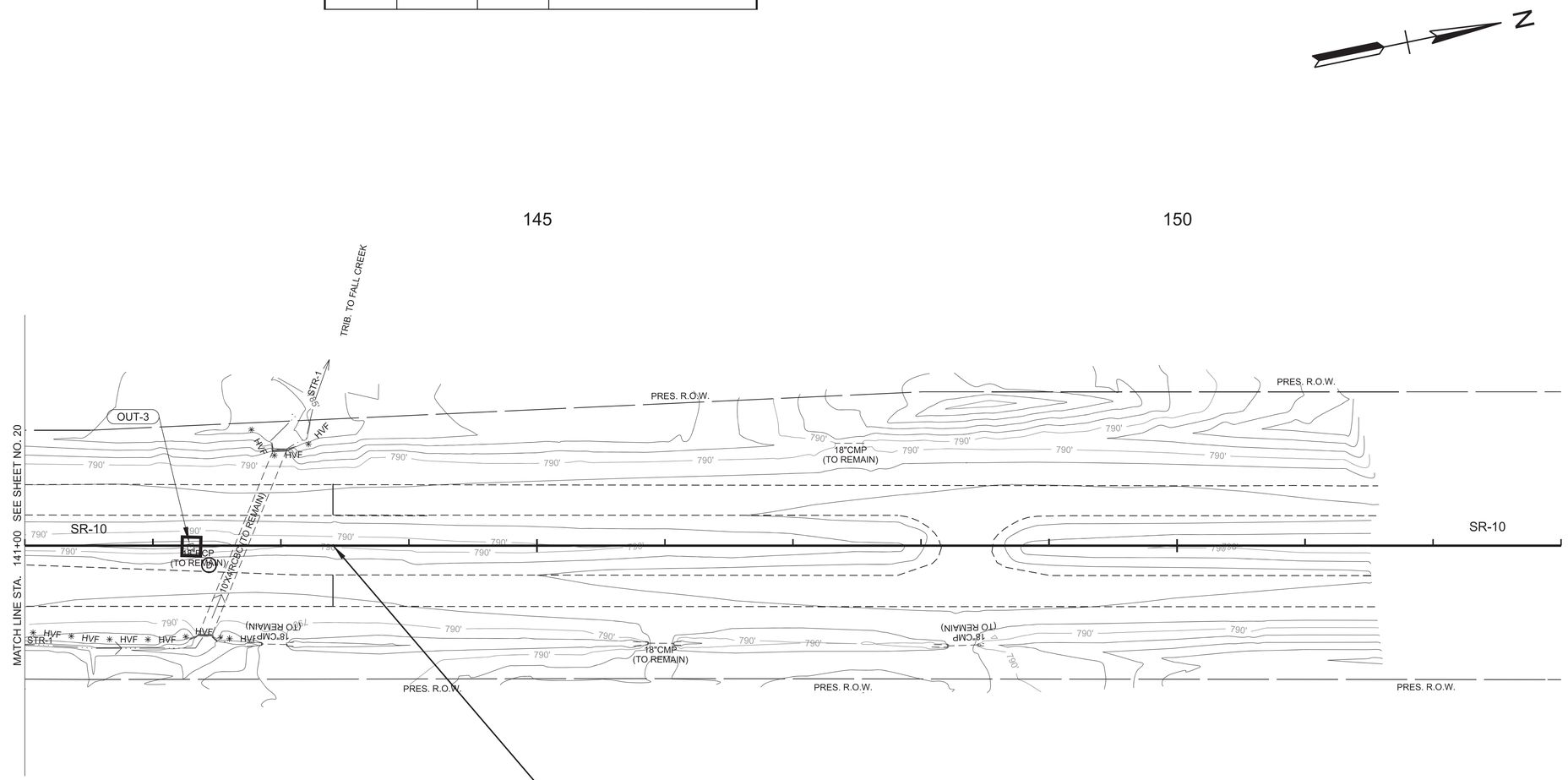
STA. 129+00 TO STA. 141+00

SCALE: 1" = 50'

2/11/2025 3:35:49 PM
Y:\PROJECTS\00150000\00180001800018023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02SD10-03-SHT-EPSC2.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	21
PIH	2025	HSIP-10(86)	21
PS&E	2025	HSIP-10(86)	21

OUTFALL	AREA (AC.)	AVERAGE SLOPE (%)	COMMENTS
OUT-3	0.72	0.65	



02S010-F3-002
END PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 143+40.72
N 458163.0722 E 1837912.0848

02S010-F1-002
END PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 143+40.72
N 458163.0722 E 1837912.0848

PROPOSED CONTOURS SHOWN

STAGE II

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107595
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 141+00 TO STA. 153+00
SCALE: 1" = 50'

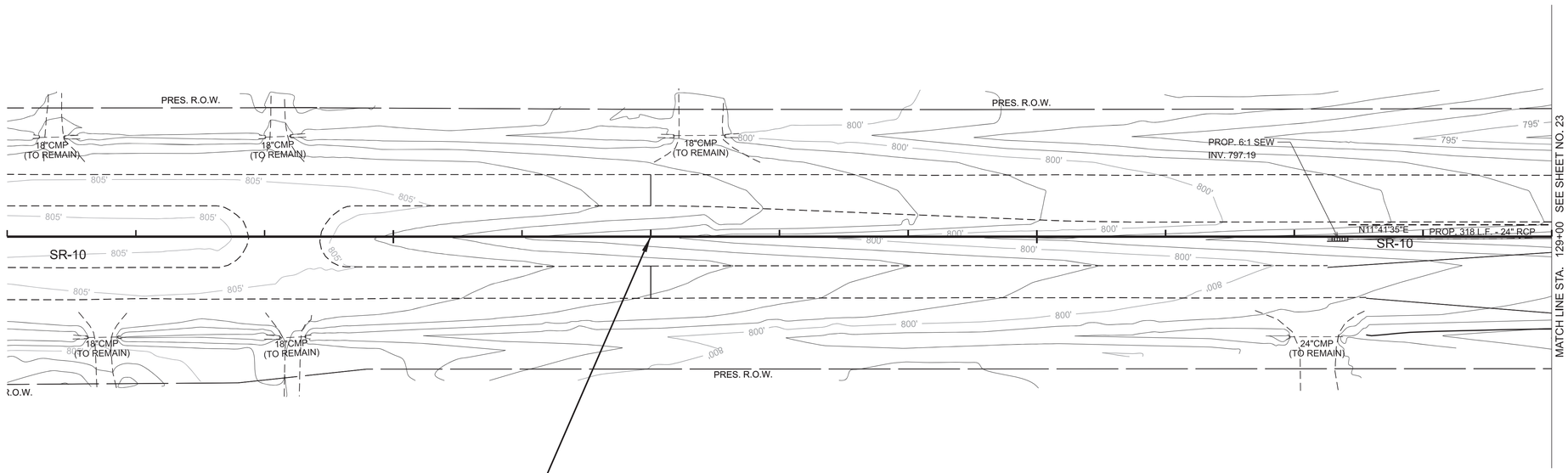
2/11/2025 3:35:51 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-EPSC2.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	22
PIH	2025	HSIP-10(86)	22
PS&E	2025	HSIP-10(86)	22

N

120

125



02S010-F3-002
BEGIN PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 122+00.00
N 456066.7745 E 1837478.2277

02S010-F1-002
BEG. PROJ. NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 122+00.00
N 456066.7745 E 1837478.2277

NOTE:
ALL EXPOSED SLOPES TO BE STABILIZED WITH SEED WITH MULCH. EPSC MEASURES TO BE MAINTAINED UNTIL SLOPES ARE STABILIZED.

PROPOSED CONTOURS SHOWN

STAGE III

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107585
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

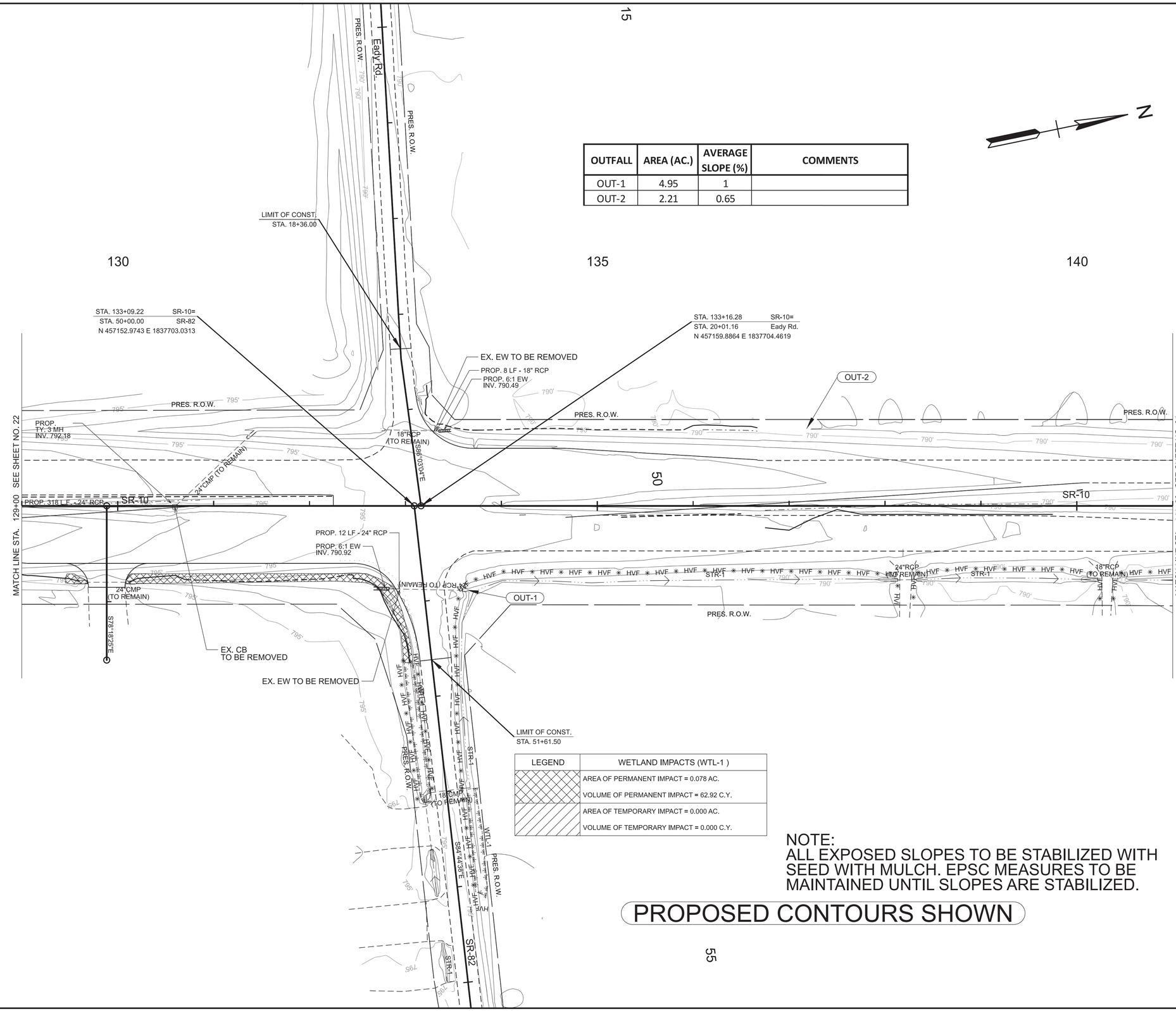
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 117+00 TO STA. 129+00
SCALE: 1" = 50'

2/11/2025 3:35:54 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-EPSC3.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	23
PIH	2025	HSIP-10(86)	23
PS&E	2025	HSIP-10(86)	23

OUTFALL	AREA (AC.)	AVERAGE SLOPE (%)	COMMENTS
OUT-1	4.95	1	
OUT-2	2.21	0.65	



LEGEND	WETLAND IMPACTS (WTL-1)
	AREA OF PERMANENT IMPACT = 0.078 AC.
	VOLUME OF PERMANENT IMPACT = 62.92 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

NOTE:
ALL EXPOSED SLOPES TO BE STABILIZED WITH SEED WITH MULCH. EPSC MEASURES TO BE MAINTAINED UNTIL SLOPES ARE STABILIZED.

PROPOSED CONTOURS SHOWN

STAGE III

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107584
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

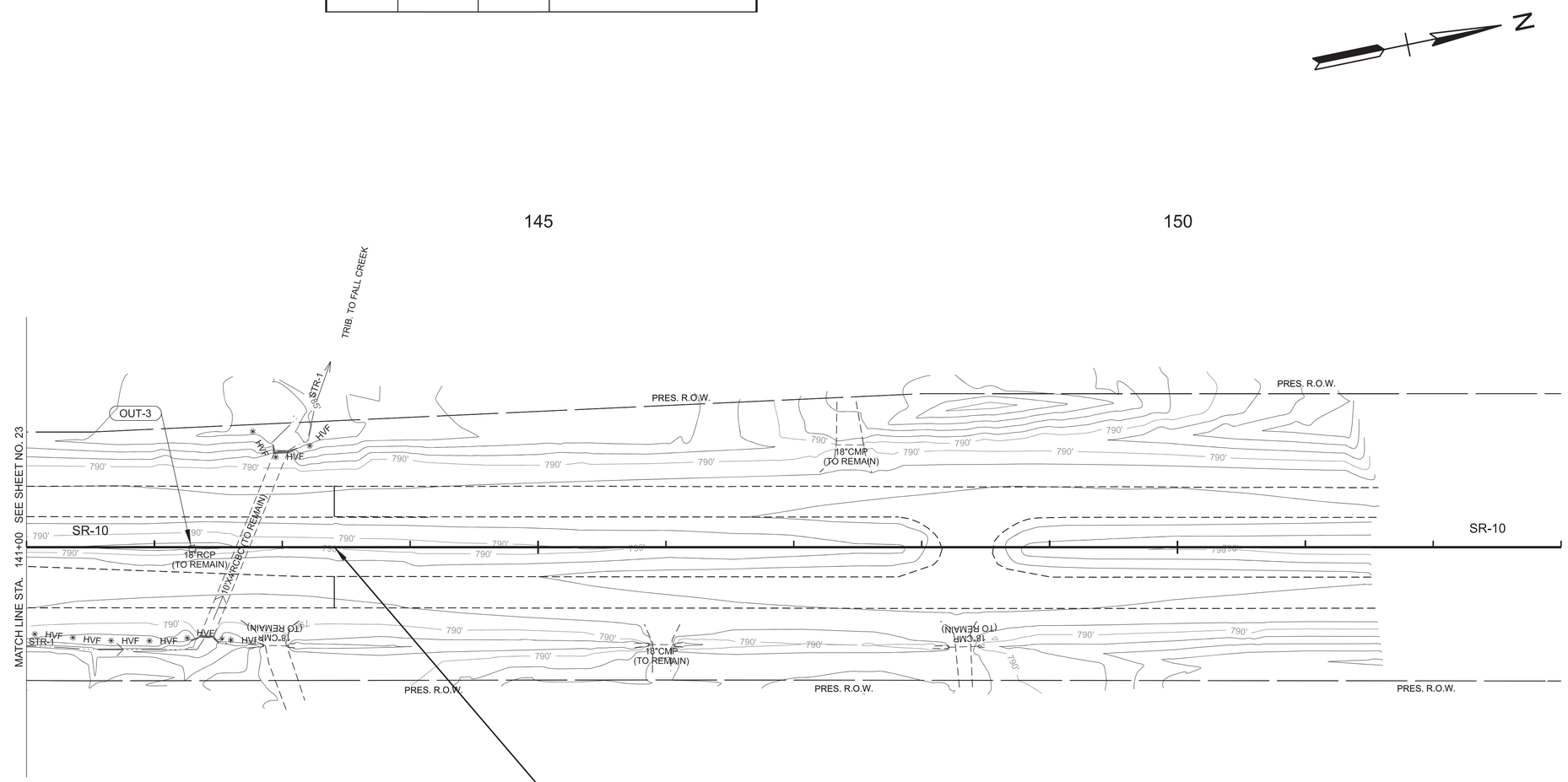
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 129+00 TO STA. 141+00
SCALE: 1" = 50'

2/11/2025 3:35:56 PM
Y:\PROJECTS\00150000\00180001\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02SD10-03-SHT-EPSC3.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	24
PIH	2025	HSIP-10(86)	24
PS&E	2025	HSIP-10(86)	24

OUTFALL	AREA (AC.)	AVERAGE SLOPE (%)	COMMENTS
OUT-3	0.72	0.65	



02S010-F3-002
END PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 143+40.72
N 458163.0722 E 1837912.0848

02S010-F1-002
END PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 143+40.72
N 458163.0722 E 1837912.0848

NOTE:
ALL EXPOSED SLOPES TO BE STABILIZED WITH SEED WITH MULCH. EPSC MEASURES TO BE MAINTAINED UNTIL SLOPES ARE STABILIZED.

PROPOSED CONTOURS SHOWN

STAGE III

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
STRUCTURE
No. 107584
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

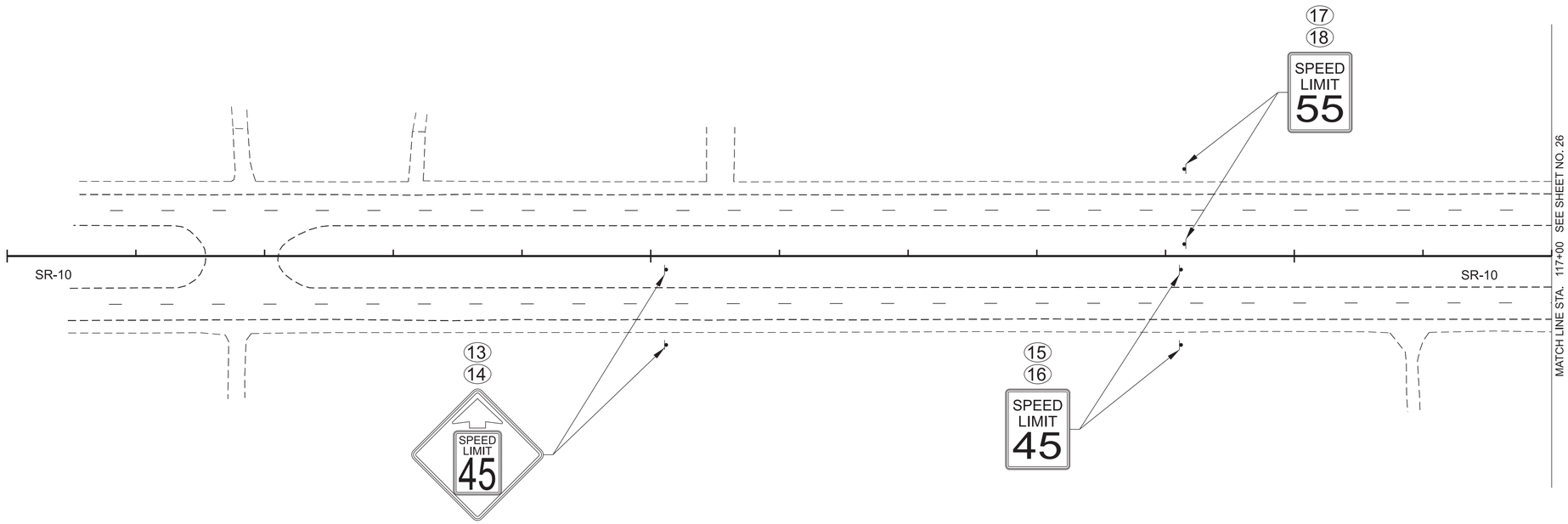
STA. 129+00 TO STA. 141+00
SCALE: 1" = 50'

2/11/2025 3:35:58 PM
Y:\PROJECTS\00150000\00180000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-EPSC3.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	25
PS&E	2025	HSIP-10(86)	25

N

105 110 115



SEALED BY

WILLIAM EDWARD TODD III
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 122054
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

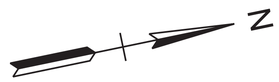
SIGNING AND PAVEMENT MARKING PLAN

STA. 105+00 TO STA. 117+00
SCALE: 1" = 50'

2/11/2025 3:35:59 PM
Y:\PROJECTS\0015000\0018000\118023 TDOT - ON-CALL TRAFFIC 22-27\118023.005 SR10 BEDFORD\DGN\02S010-03-SHT-SIGNINGANDPAVEMENTMARKING.DGN

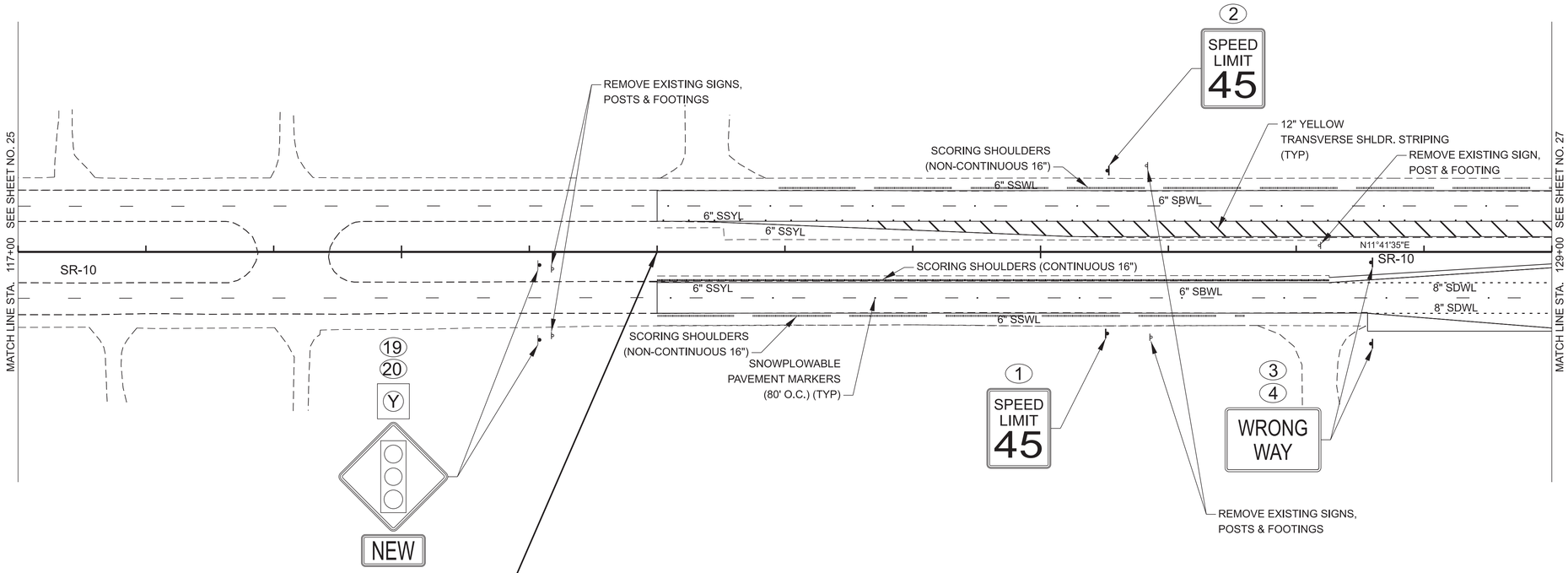
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	26
PS&E	2025	HSIP-10(86)	26

NOTE: SUPPLEMENTAL PLAQUE "NEW" TO BE REMOVED BETWEEN 6-12 MONTHS AFTER INSTALLATION.



120

125



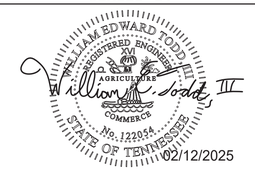
02S010-F3-002
BEGIN PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 122+00.00
N 456066.7745 E 1837478.2277

02S010-F1-002
BEG. PROJ. NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 122+00.00
N 456066.7745 E 1837478.2277

MARKING ABBREVIATIONS

SSWL-SINGLE SOLID WHITE LINE	DBYL- DOUBLE BROKEN YELLOW LINE
SSYL- SINGLE SOLID YELLOW LINE	DWL- DOTTED WHITE LINE
SBWL- SINGLE BROKEN WHITE LINE	DYL- DOTTED YELLOW LINE
SBYL- SINGLE BROKEN YELLOW LINE	HWL- HASHED WHITE LINE
DSYL- DOUBLE SOLID YELLOW LINE	HYL- HASHED YELLOW LINE

SEALED BY



02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

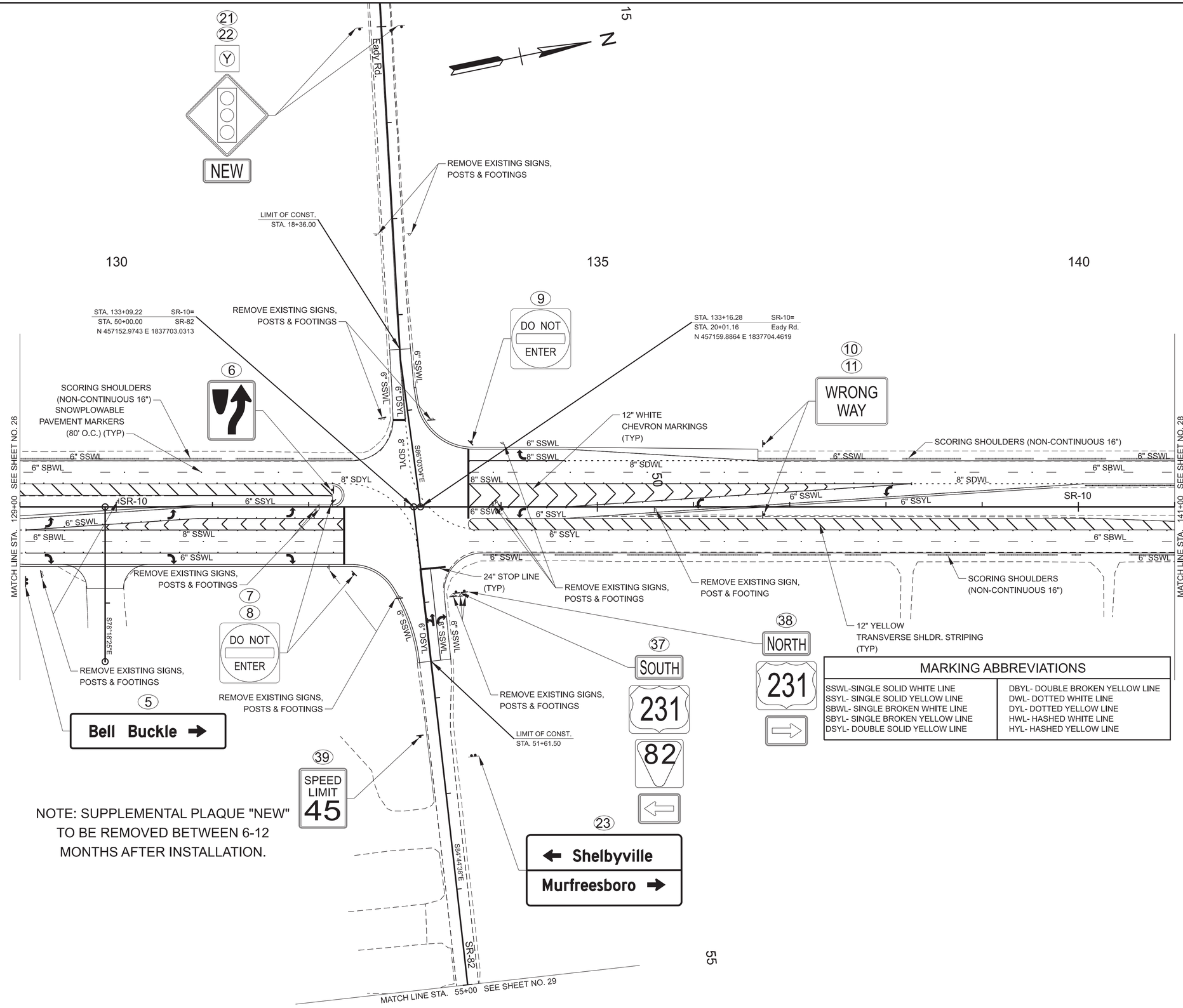
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 117+00 TO STA. 129+00
SCALE: 1" = 50'

2/11/2025 3:36:00 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-SIGNINGANDPAVEMENTMARKING.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	27
PS&E	2025	HSIP-10(86)	27



MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL- DOUBLE BROKEN YELLOW LINE
SSYL- SINGLE SOLID YELLOW LINE	DWL- DOTTED WHITE LINE
SBWL- SINGLE BROKEN WHITE LINE	DYL- DOTTED YELLOW LINE
SBYL- SINGLE BROKEN YELLOW LINE	HWL- HASHED WHITE LINE
DSYL- DOUBLE SOLID YELLOW LINE	HYL- HASHED YELLOW LINE

SEALED BY

WILLIAM EDWARD TODD III
REGISTERED ENGINEER
No. 122034
STATE OF TENNESSEE
02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

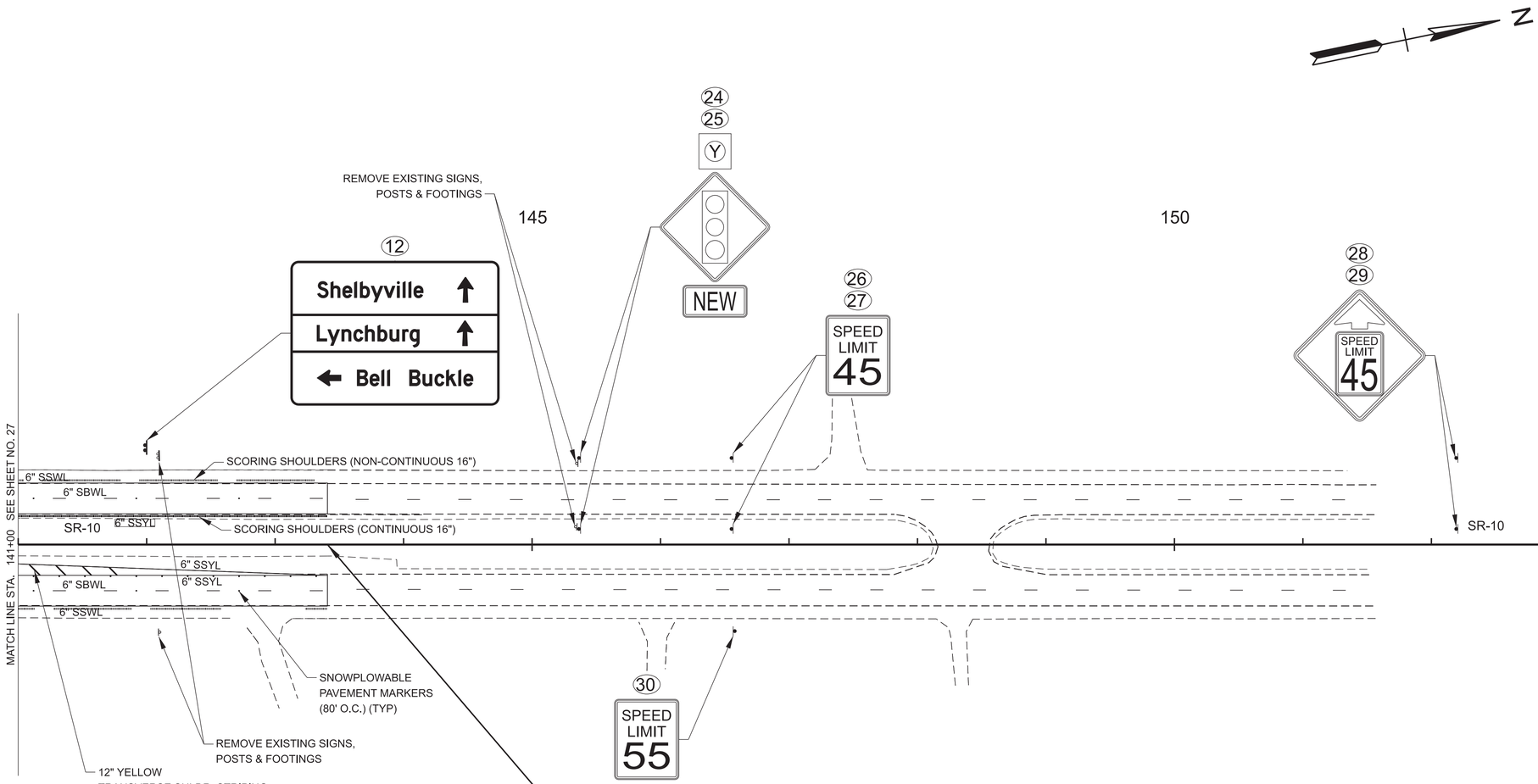
SIGNING AND PAVEMENT MARKING PLAN

STA. 129+00 TO STA. 141+00
SCALE: 1" = 50'

2/11/2025 3:36:01 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02SS010-03-SHT-SIGNINGANDPAVEMENTMARKING.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	28
PS&E	2025	HSIP-10(86)	28

NOTE: SUPPLEMENTAL PLAQUE "NEW" TO BE REMOVED BETWEEN 6-12 MONTHS AFTER INSTALLATION.



02S010-F3-002
END PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 143+40.72
N 458163.0722 E 1837912.0848

02S010-F1-002
END PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 143+40.72
N 458163.0722 E 1837912.0848

MARKING ABBREVIATIONS	
SSWL-SINGLE SOLID WHITE LINE	DBYL- DOUBLE BROKEN YELLOW LINE
SSYL- SINGLE SOLID YELLOW LINE	DWL- DOTTED WHITE LINE
SBWL- SINGLE BROKEN WHITE LINE	DYL- DOTTED YELLOW LINE
SBYL- SINGLE BROKEN YELLOW LINE	HWL- HASHED WHITE LINE
DSYL- DOUBLE SOLID YELLOW LINE	HYL- HASHED YELLOW LINE

SEALED BY

WILLIAM EDWARD TODD III REGISTERED ENGINEER No. 122054 STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 141+00 TO STA. 153+00
SCALE: 1" = 50'

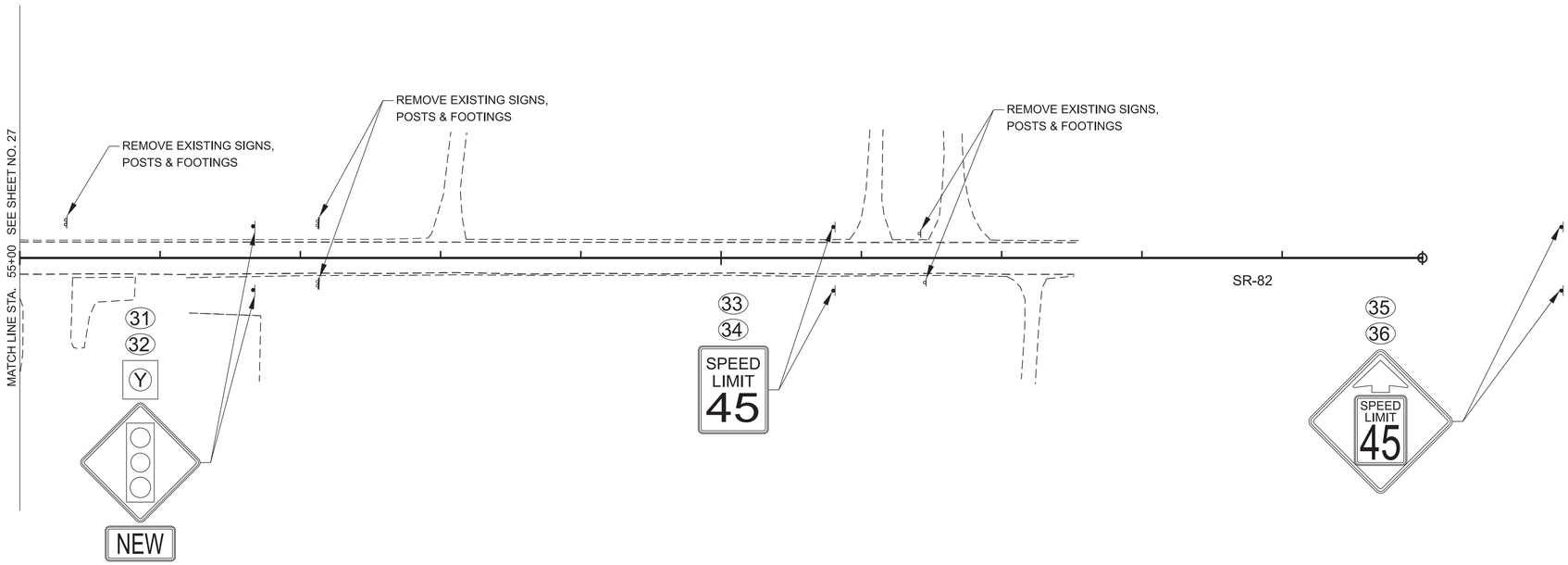
2/11/2025 3:36:02 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORDIDGN\02S010-03-SHT-SIGNINGANDPAVEMENTMARKING.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	29
PS&E	2025	HSIP-10(86)	29

NOTE: SUPPLEMENTAL PLAQUE "NEW" TO BE REMOVED BETWEEN 6-12 MONTHS AFTER INSTALLATION.

N

55 60 65



SEALED BY

WILLIAM EDWARD TODD III
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 122054
STATE OF TENNESSEE

William E. Todd III
02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 55+00 TO STA. 65+00
SCALE: 1" = 50'

2/11/2025 3:36:02 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\002S010-03-SHT-SIGNINGANDPAVEMENTMARKING.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	30
PS&E	2025	HSIP-10(86)	30

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

THE FOLLOWING STANDARD DRAWINGS APPLY UNLESS OTHERWISE NOTED IN THE REMARKS: FLAT SHEET (T-S SERIES 10, 12, 16, 17, 19, 20); EXTRUDED PANEL (T-S SERIES 6, 9, 13, 14); WALL/BARRIER MOUNTED (T-S-21), MULTI-DIRECTIONAL BASE (T-S SERIES 23A, 23B, 23C); RAILROAD (T-S-16)

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN STEEL LBS.		
1 2 15 16 26 27 33 34 39	R2-1	26 26 25 25 28 28 29 29 27	30"	36"									BLACK	WHITE (REF)	0.080" SHEET ALUM.	P2	L = 9'-6"				5'-0"	
3 4 10 11	R5-1a	26 26 27 27	42"	30"									WHITE	RED (REF)	0.080" SHEET ALUM.	P2	L = 9'-0"				5'-0"	
5	D1-1R	27	6'-6"	1'-6"	1.88"	0.75"	12"	9"		D		TYPE 2	WHITE	GREEN (REF)	0.100" SHEET ALUM.	P8	H1 = 8'-3" H2 = 8'-9"				5'-0"	
7 8 9	R5-1	27 27 27	36"	36"									WHITE	RED (REF)	0.100" SHEET ALUM.	P8	L = 8'-9"				5'-0"	
6	R4-7	27	24"	30"									BLACK	WHITE (REF)	0.080" SHEET ALUM.	U6	L = 7'-6"				5'-0"	
12	D1-3 (MOD)	27	6'-6"	4'-6"	1.88"	0.75"	12"	9"		D		TYPE 2	WHITE	GREEN (REF)	0.100" SHEET ALUM.	P8	H1 = 12'-3" H2 = 12'-6"				5'-0"	
13 14 28 29 35 36	W3-5	25 25 28 28 29 29	36"	36"									BLACK	YELLOW (REF)	0.080" SHEET ALUM.	P8	L = 10'-0"				5'-0"	
17 18 30	R2-1	25 25 28	30"	36"									BLACK	WHITE (REF)	0.080" SHEET ALUM.	P8	L = 9'-6"				5'-0"	
19 20 21 22 24 25 31 32	FLASHING ASSEMBLIE (YELLOW, SOLAR) W3-3	26 26 27 27 28 28 29 29	36"	36"									BLACK	YELLOW (REF)	0.080" SHEET ALUM.	P6	L = 15'-6"				5'-0"	
	W16-15P		24"	12"									BLACK	YELLOW (REF)	0.080" SHEET ALUM.							

U-POST SUBSTITUTION TABLE

BID ITEM 713-11.01	SUBSTITUTION ALLOWED
2$^{\#}$/FT. U1	2$^{\#}$/FT. MUI OR 2$^{\#}$/FT. R1
2.5$^{\#}$/FT. U3	2.5$^{\#}$/FT. MU3 OR 3$^{\#}$/FT. R2*
3$^{\#}$/FT. U6	
4$^{\#}$/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5 $^{\#}$/FT.

SEALED BY

WILLIAM EDWARD TODD III
No. 122054
William E. Todd III
02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN
SCHEDULE
SHEET

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (CURRENT EDITION)

SEE STD. DWG. NO. T-S-19

THE FOLLOWING STANDARD DRAWINGS APPLY UNLESS OTHERWISE NOTED IN THE REMARKS: FLAT SHEET (T-S SERIES 10, 12, 16, 17, 19, 20); EXTRUDED PANEL (T-S SERIES 6, 9, 13, 14); WALL/BARRIER MOUNTED (T-S-21), MULTI-DIRECTIONAL BASE (T-S SERIES 23A, 23B, 23C); RAILROAD (T-S-16)

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN STEEL LBS.		
23	 D1-2 (MOD)	27	6'-6"	3'-0"	1.88"	0.75"	12"	9"		D		TYPE 2	WHITE	GREEN (REF)	0.100" SHEET ALUM.	P8	L1 = 15'-3" L2 = 15'-6" L3 = 15'-6"				5'-0"	
37	 M3-3P  M1-4  TN-6a  M6-1PL	27	24" 24" 24" 21"	12" 30" 24" 15"									BLACK BLACK BLACK BLACK	WHITE (REF) WHITE (REF) WHITE (REF) WHITE (REF)	0.080" SHEET ALUM. 0.080" SHEET ALUM. 0.080" SHEET ALUM. 0.080" SHEET ALUM.	P5	L = 15'-6"				5'-0"	
38	 M3-1P  M1-4  M6-1P	27	24" 24" 21"	12" 30" 15"									BLACK BLACK BLACK	WHITE (REF) WHITE (REF) WHITE (REF)	0.080" SHEET ALUM. 0.080" SHEET ALUM. 0.080" SHEET ALUM.	P5	L = 13'-6"				5'-0"	
SNS-1		56	8'-0"	2'-0"	1.5"	0.5"	12"	9"		D		TYPE 2	WHITE	GREEN (REF)	0.100" SHEET ALUM.							RIGID STREET NAME SIGN ON MAST ARM POLE
SNS-2		56	8'-0"	2'-0"	1.5"	0.5"	12"	9"		D		TYPE 2	WHITE	GREEN (REF)	0.100" SHEET ALUM.							RIGID STREET NAME SIGN ON MAST ARM POLE
A	 R10-12A (MOD)		30"	36"									BLACK	WHITE (REF)	0.080" SHEET ALUM.							SUSPENDED SIGN ON MAST ARM POLE
B	 R10-12A		30"	36"									BLACK	WHITE (REF)	0.080" SHEET ALUM.							SUSPENDED SIGN ON MAST ARM POLE

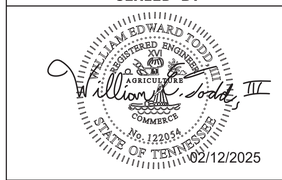
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	31
PS&E	2025	HSIP-10(86)	31

U-POST SUBSTITUTION TABLE

BID ITEM 713-11.01	SUBSTITUTION ALLOWED
2#/FT. U1	2#/FT. MUI OR 2#/FT. R1
2.5#/FT. U3	2.5#/FT. MU3 OR 3#/FT. R2*
3#/FT. U6	
4#/FT. U7	NO SUBSTITUTES

* PAID AT A RATE OF 2.5 #/FT.

SEALED BY

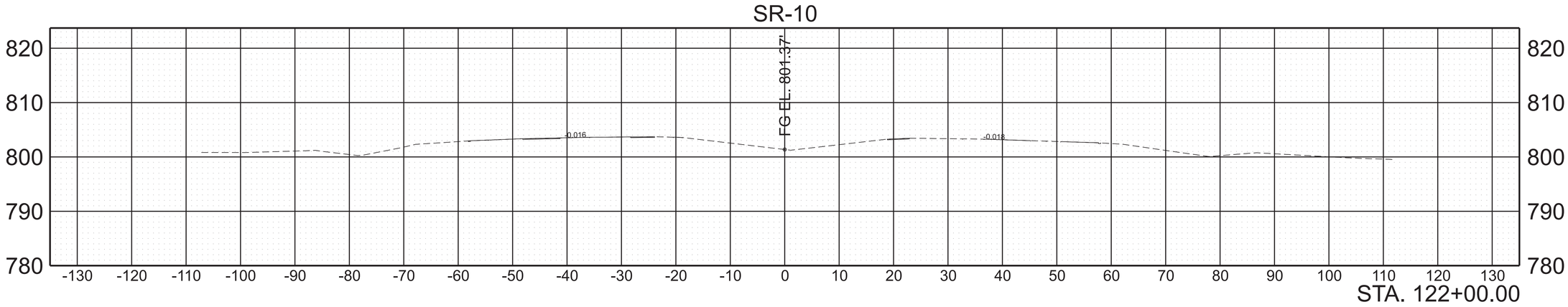


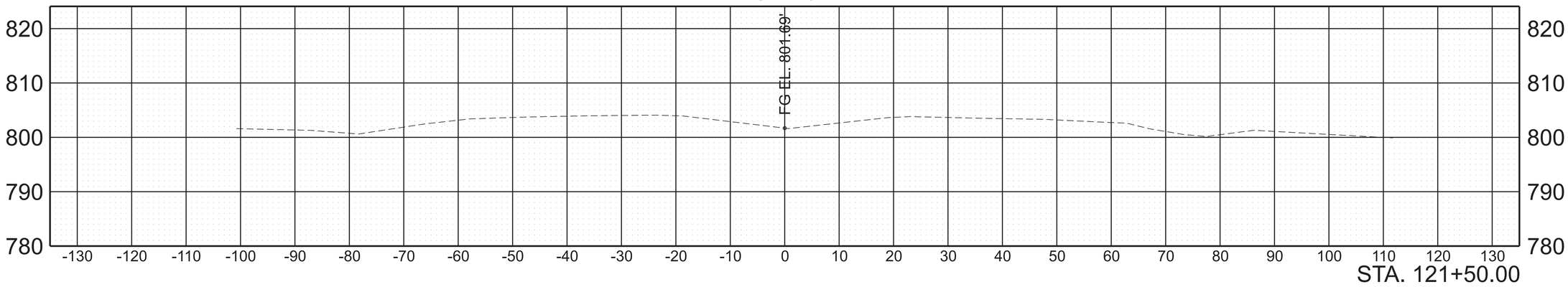
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

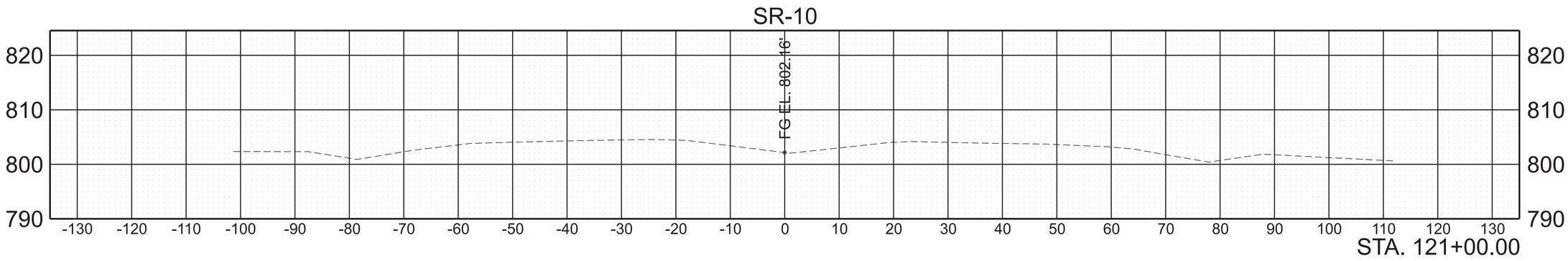
SIGN SCHEDULE SHEET

2/11/2025 3:36:04 PM
$$$$DGNSPEC$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	25
PIH	2025	HSIP-10(86)	32
PS&E	2025	HSIP-10(86)	32



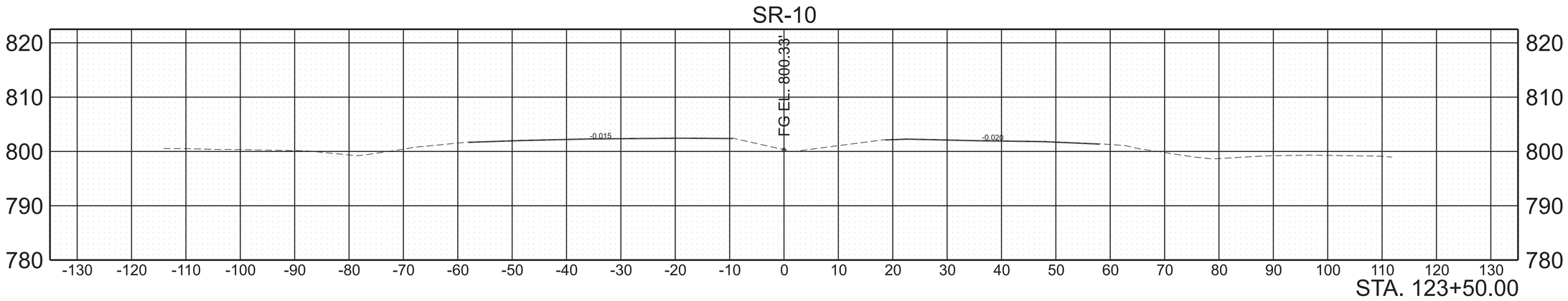


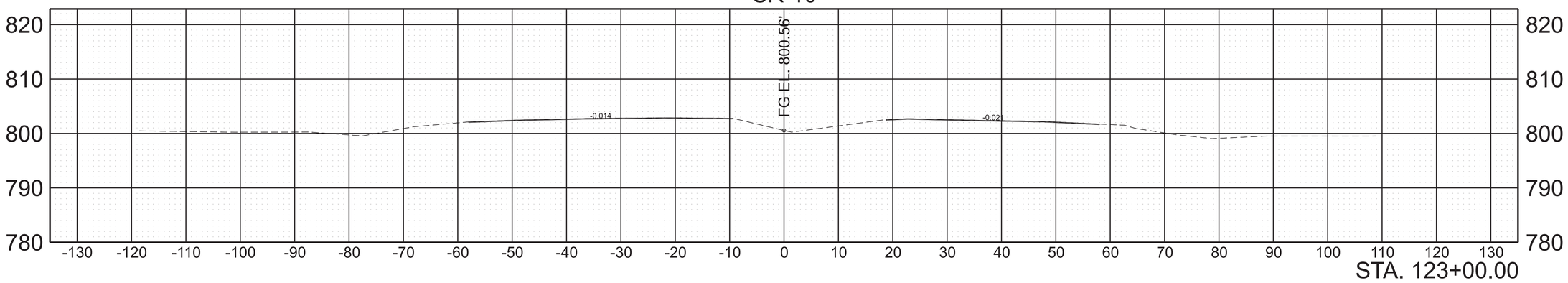


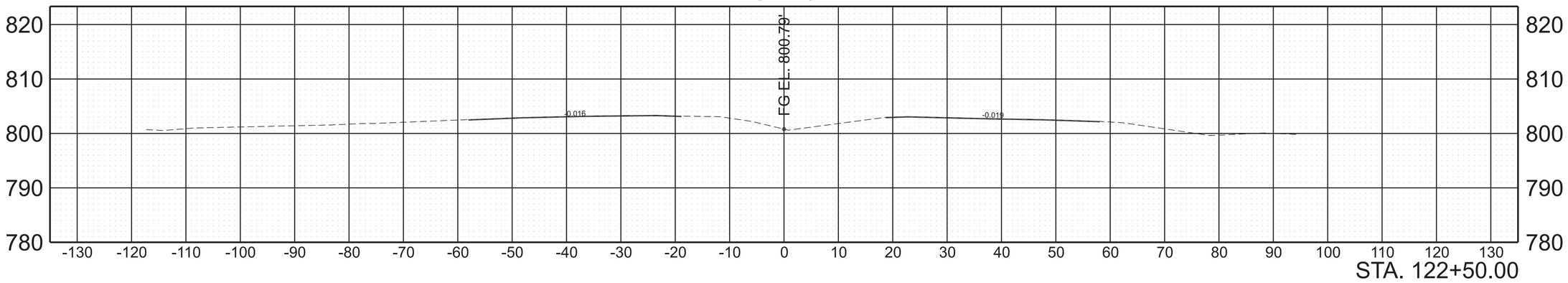
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 121+00.00 END STA. 122+00.00

2/11/2025 3:36:07 PM
Y:\PROJECTS\0015000001800018023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	26
PIH	2025	HSIP-10(86)	33
PS&E	2025	HSIP-10(86)	33



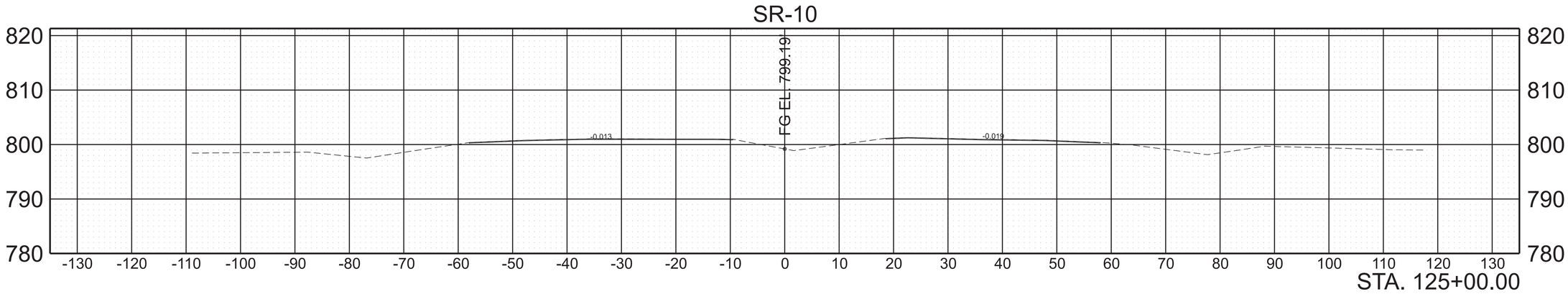


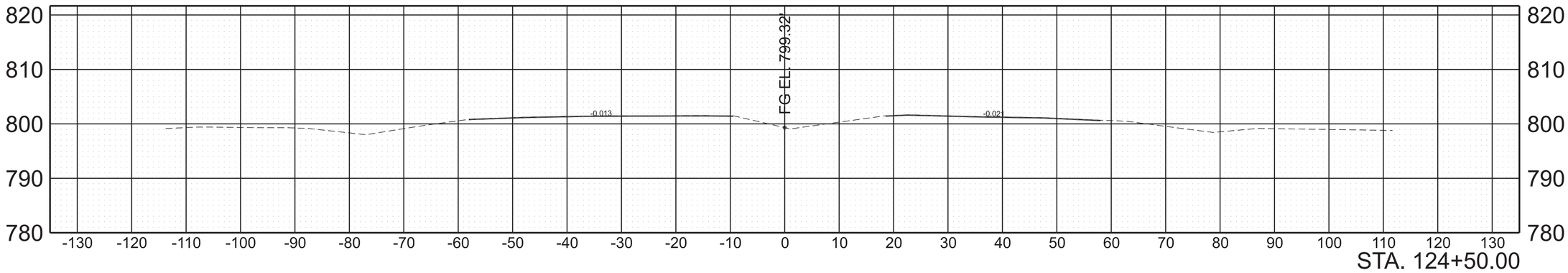


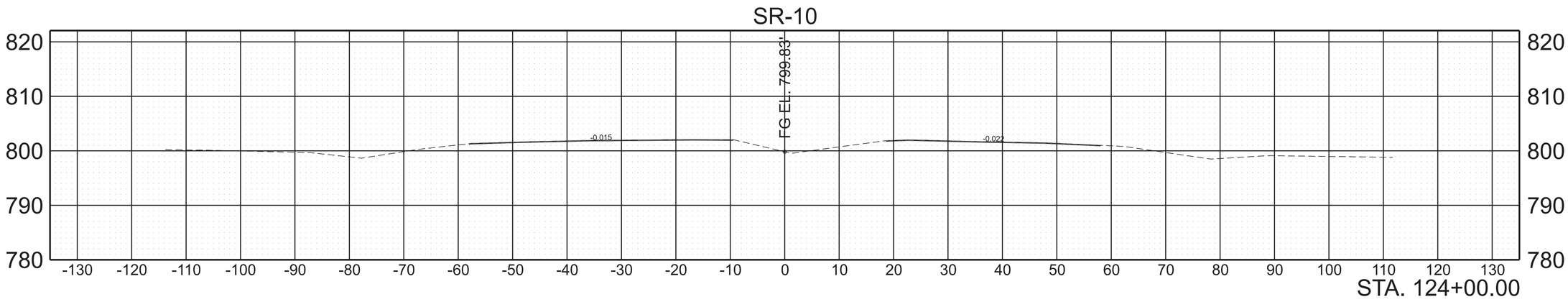
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 122+50.00 END STA. 123+50.00

2/11/2025 3:36:09 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	27
PIH	2025	HSIP-10(86)	34
PS&E	2025	HSIP-10(86)	34



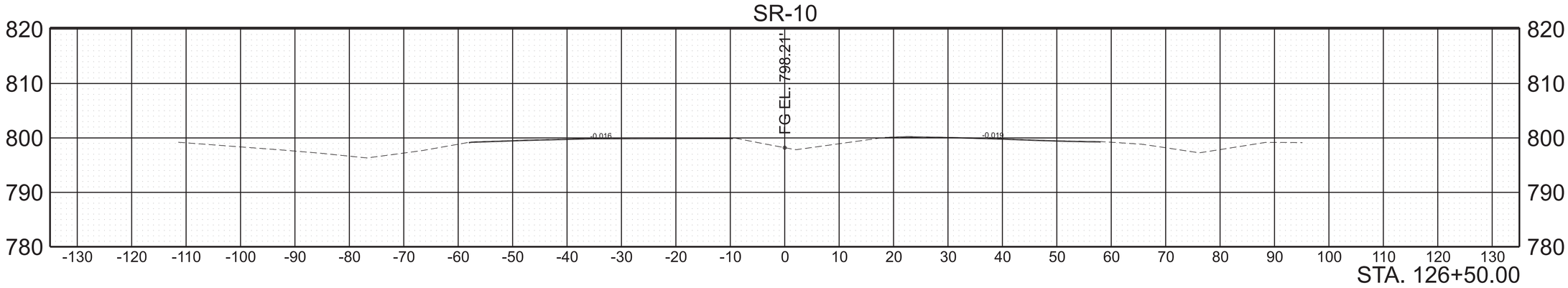


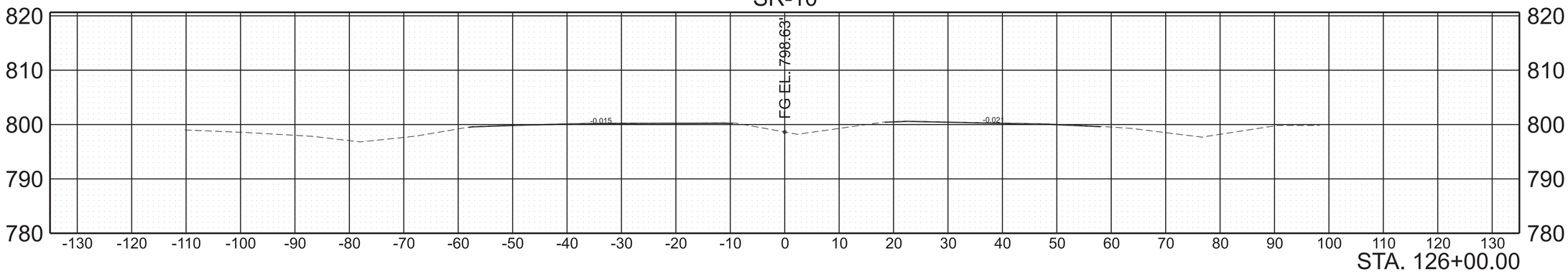


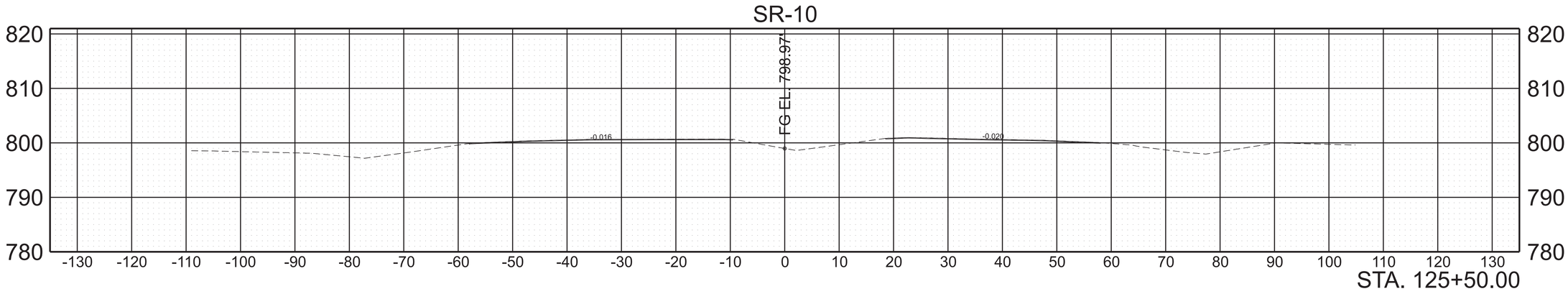
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 124+00.00 END STA. 125+00.00

2/11/2025 3:36:10 PM
Y:\PROJECTS\00150000018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	28
PIH	2025	HSIP-10(86)	35
PS&E	2025	HSIP-10(86)	35



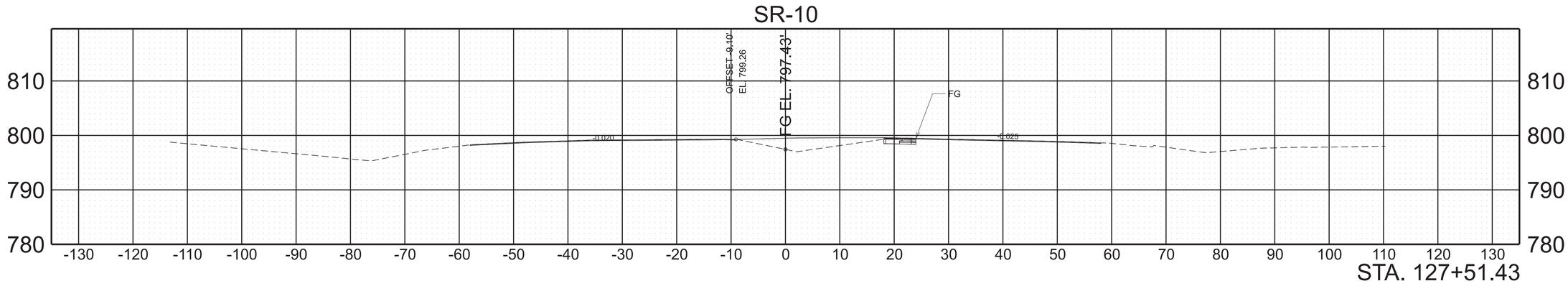


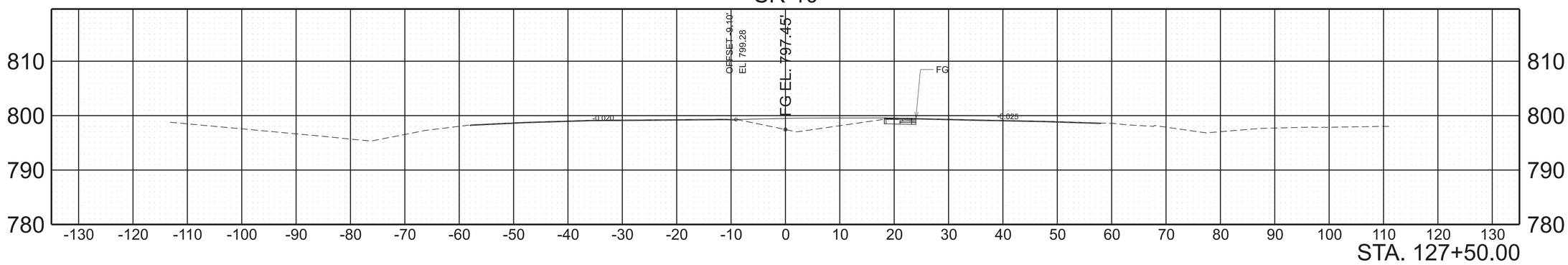


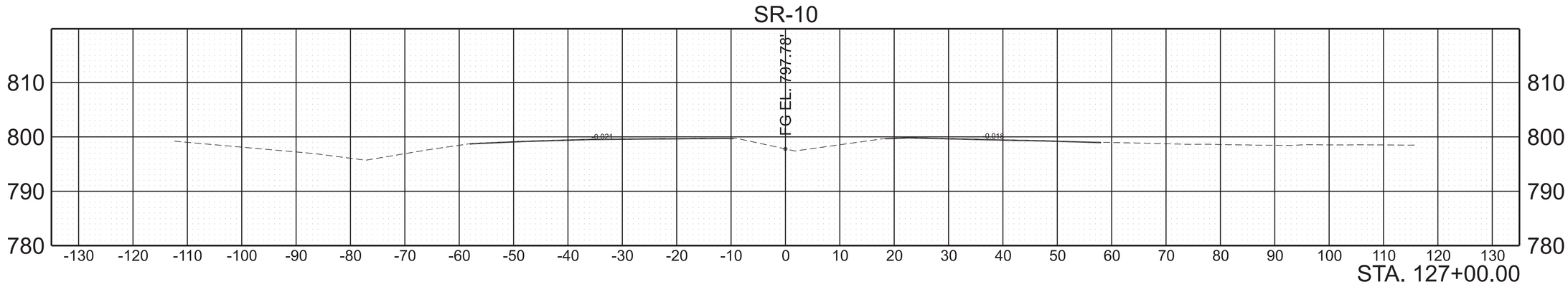
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 125+50.00 END STA. 126+50.00

2/11/2025 3:36:11 PM
Y:\PROJECTS\00150000\00180000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	29
PIH	2025	HSIP-10(86)	36
PS&E	2025	HSIP-10(86)	36





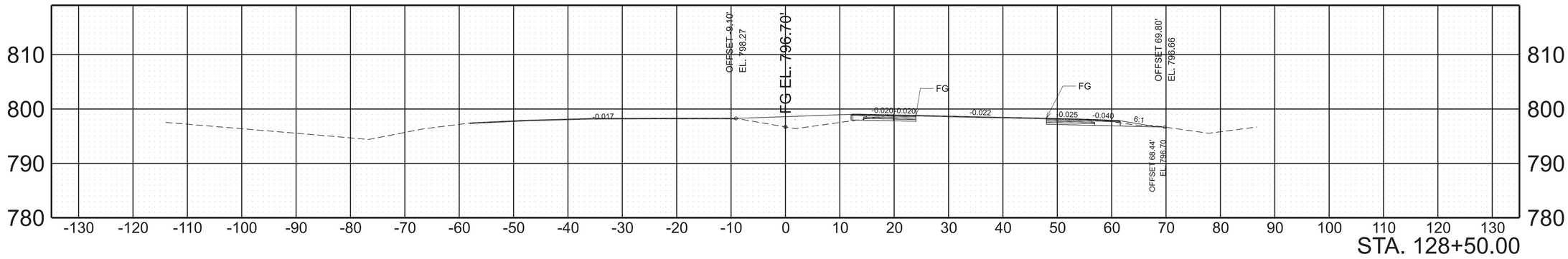


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 127+00.00 END STA. 127+51.43

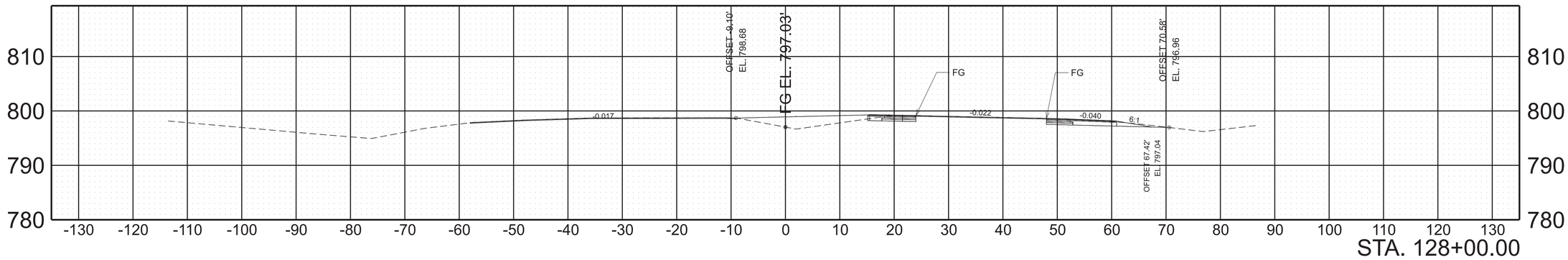
2/11/2025 3:36:12 PM
Y:\PROJECTS\00150000018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	30
PIH	2025	HSIP-10(86)	37
PS&E	2025	HSIP-10(86)	37

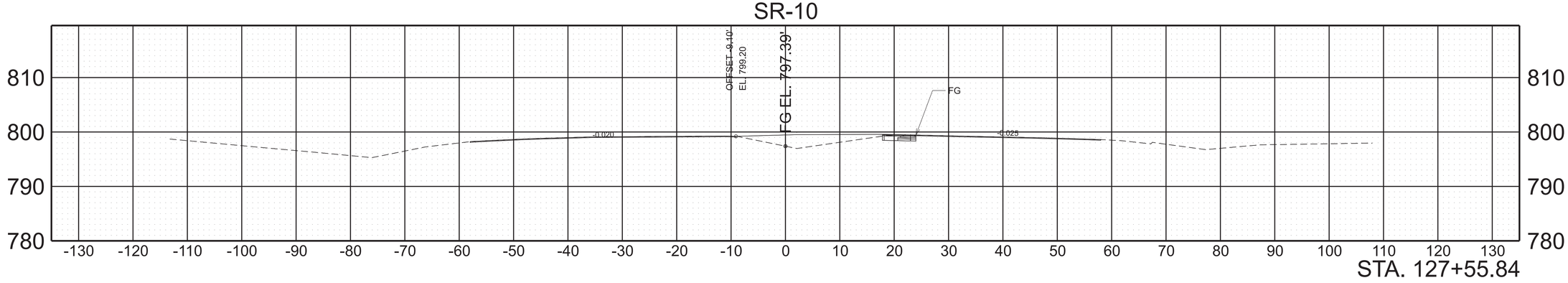
SR-10



SR-10



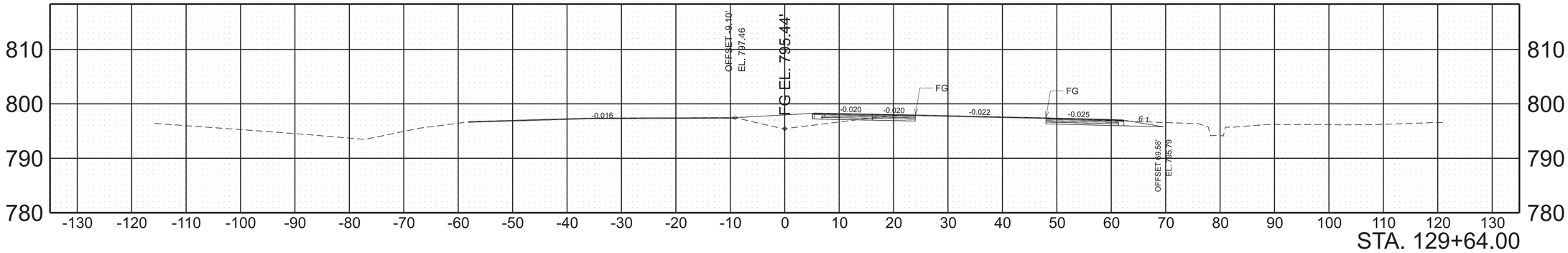
SR-10



SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 127+55.84 END STA. 128+50.00

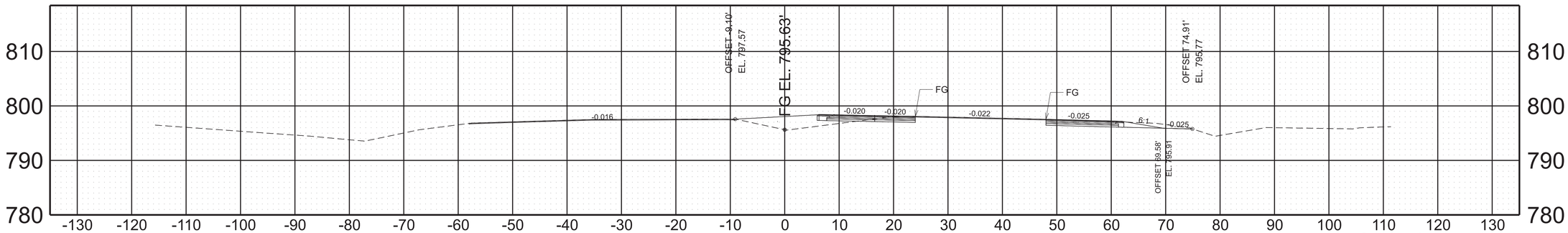
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	31
PIH	2025	HSIP-10(86)	38
PS&E	2025	HSIP-10(86)	38

SR-10



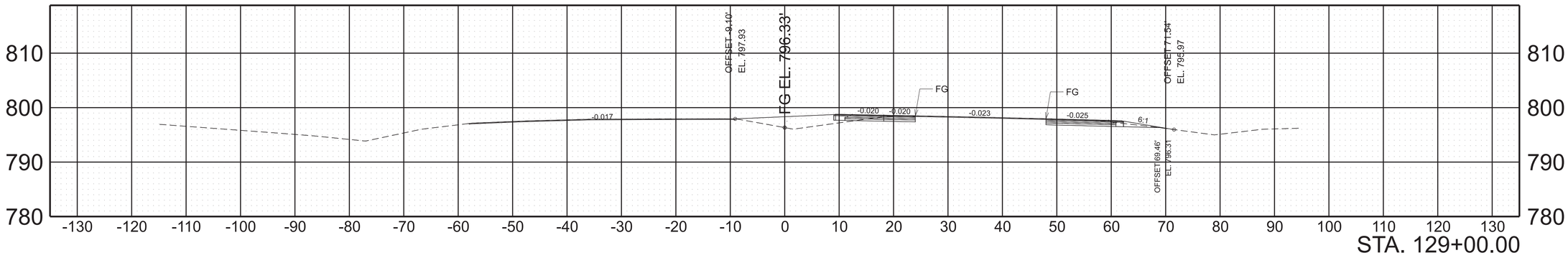
STA. 129+64.00

SR-10



STA. 129+50.00

SR-10

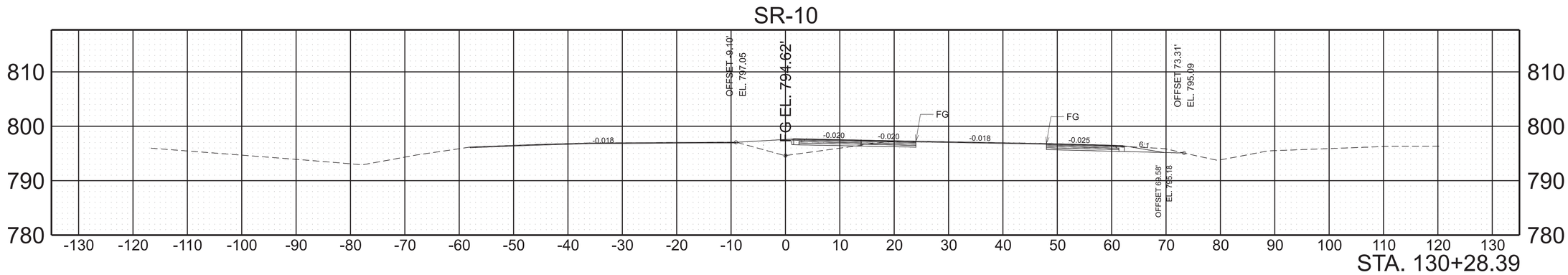


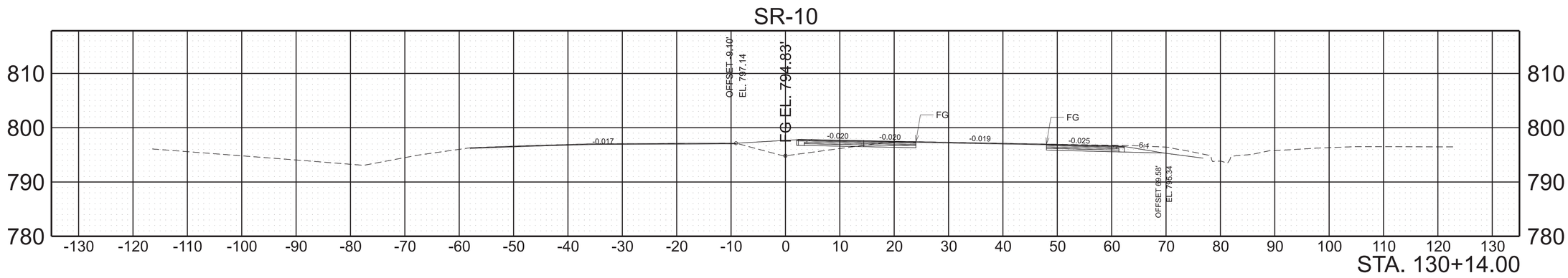
STA. 129+00.00

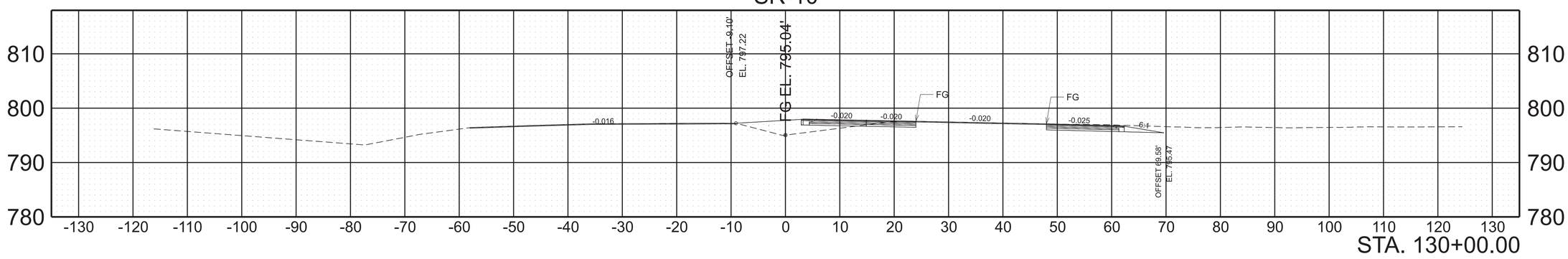
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 129+00.00 END STA. 129+64.00

2/11/2025 3:36:14 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	32
PIH	2025	HSIP-10(86)	39
PS&E	2025	HSIP-10(86)	39



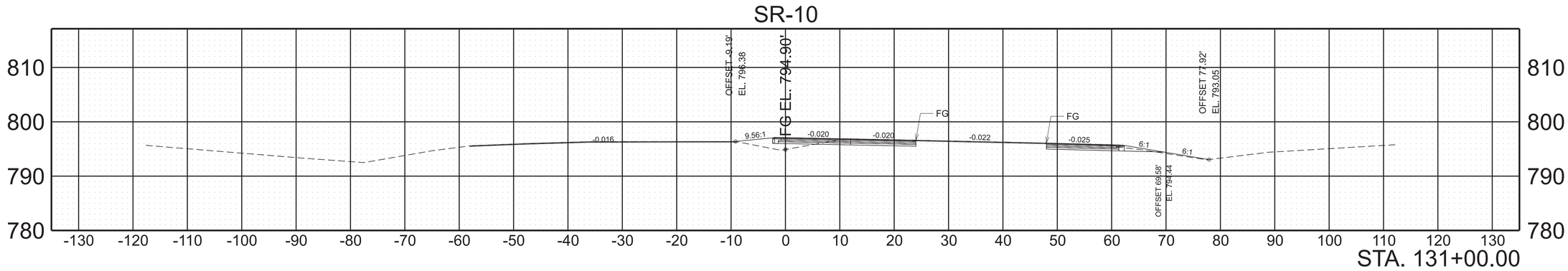


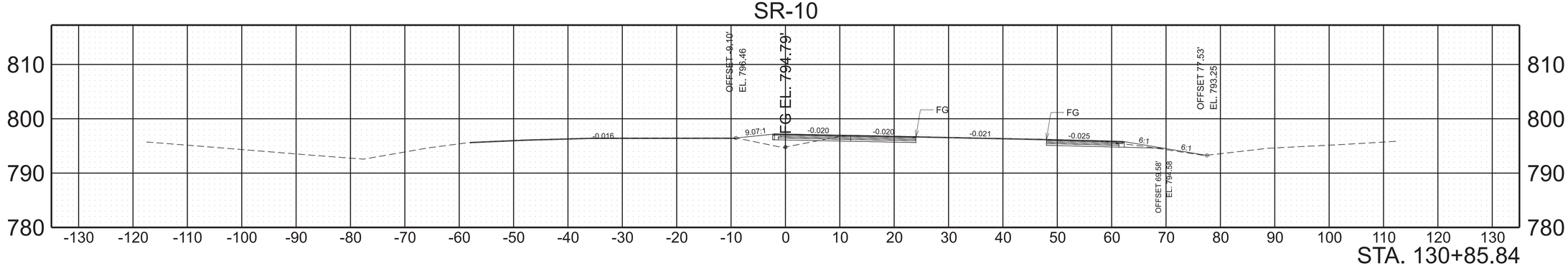


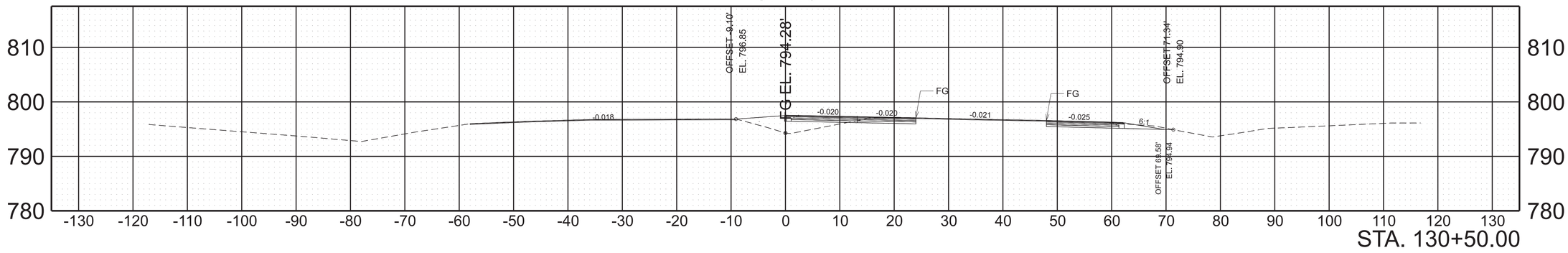
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 130+00.00 END STA. 130+28.39

2/11/2025 3:36:16 PM
Y:\PROJECTS\0015000\001800018023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	33
PIH	2025	HSIP-10(86)	40
PS&E	2025	HSIP-10(86)	40



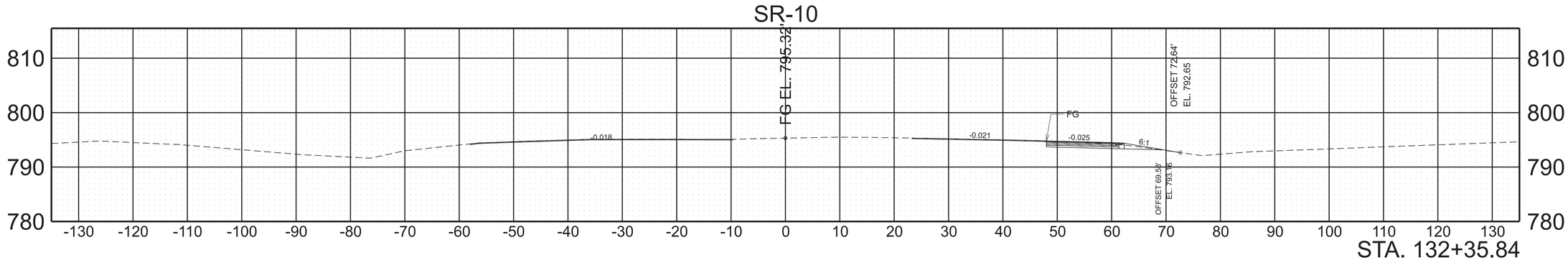


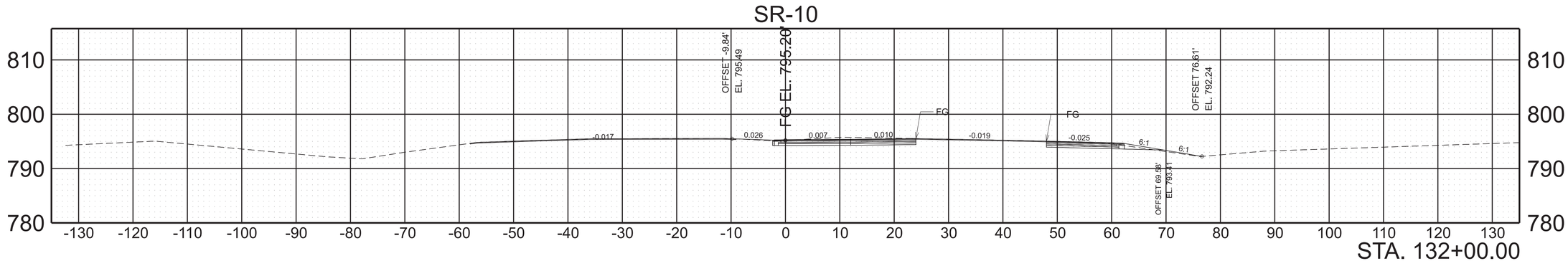


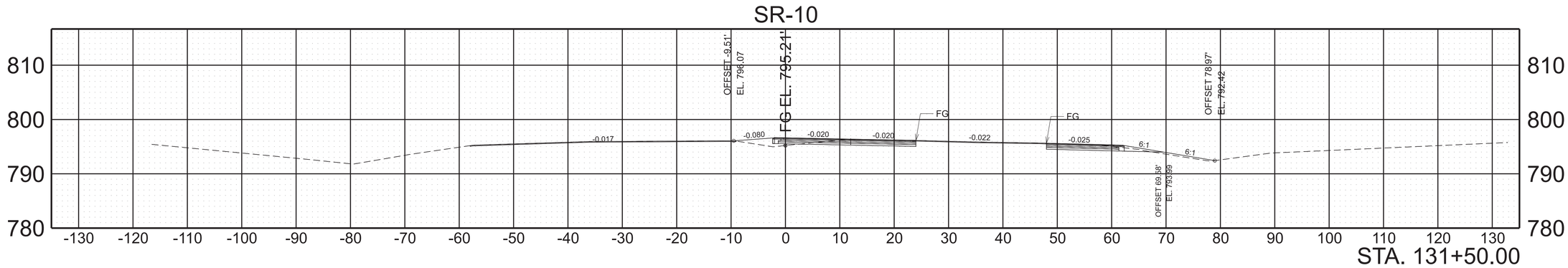
SCALE:	1"=10' HORIZ.	BEGIN STA. 130+50.00
	1"=10' VERT.	END STA. 131+00.00

2/11/2025 3:36:17 PM
Y:\PROJECTS\00150000\00180000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	34
PIH	2025	HSIP-10(86)	41
PS&E	2025	HSIP-10(86)	41



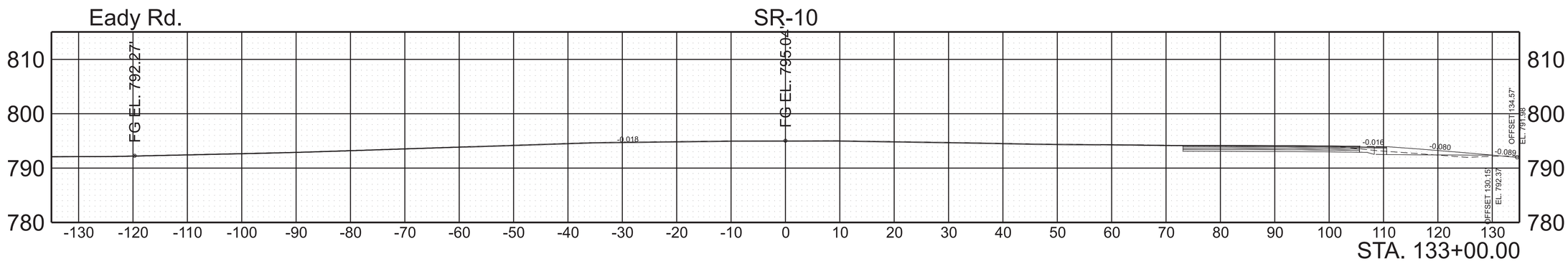


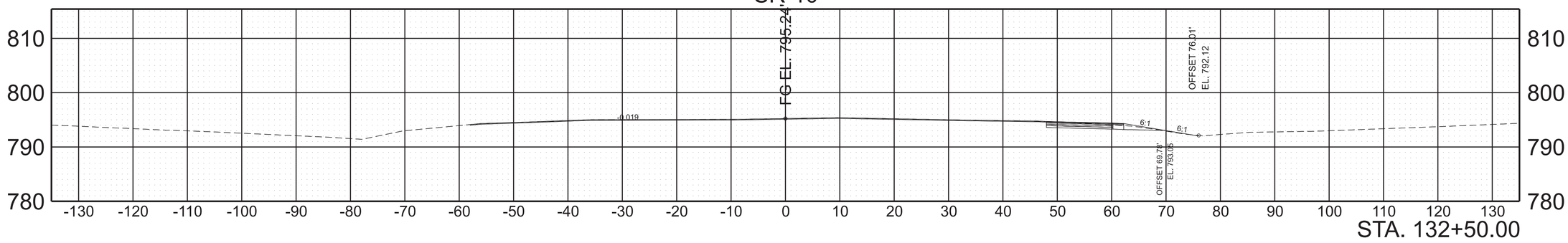


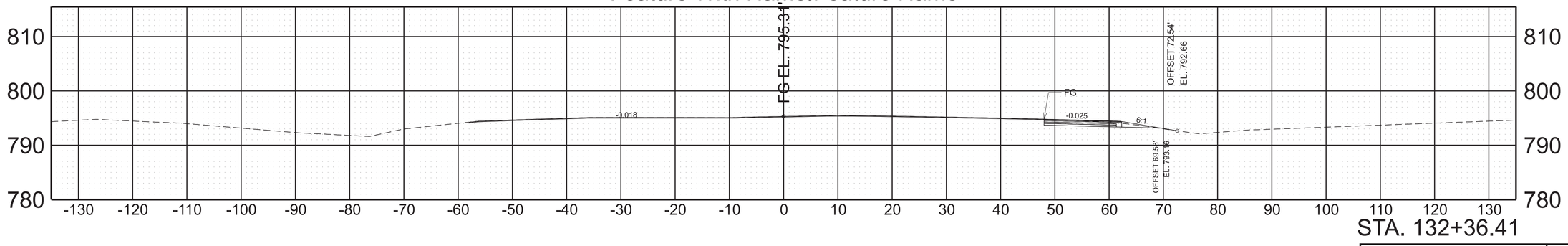
SCALE:	1"=10' HORIZ.	BEGIN STA. 131+50.00
	1"=10' VERT.	END STA. 132+35.84

2/11/2025 3:36:18 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\025S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	35
PIH	2025	HSIP-10(86)	42
PS&E	2025	HSIP-10(86)	42



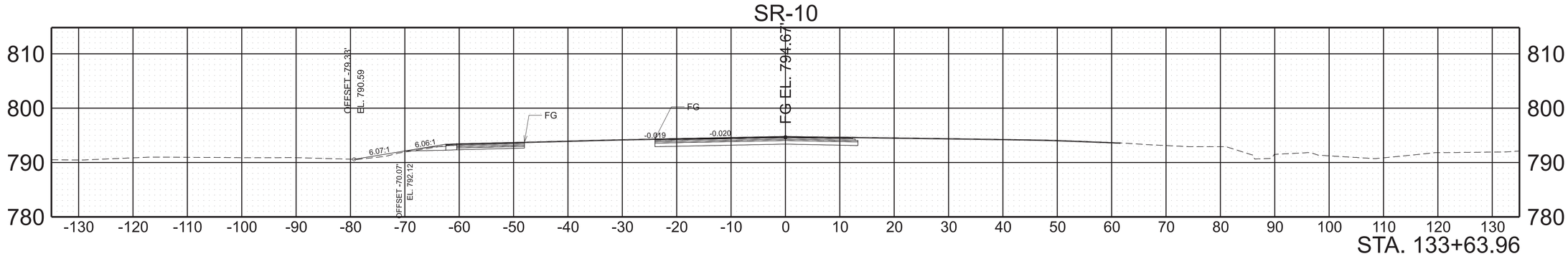


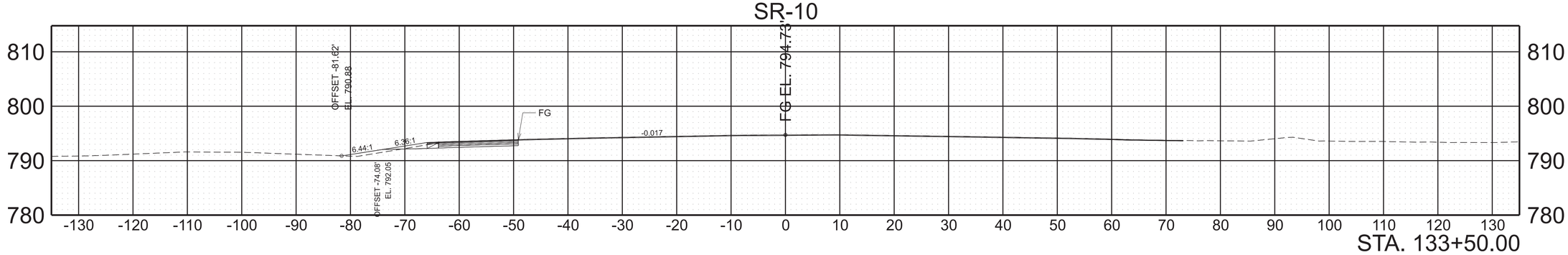


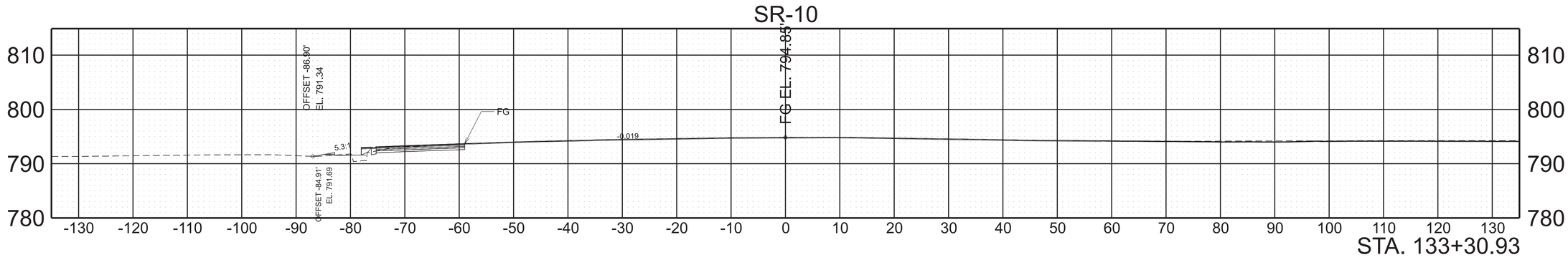
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 132+36.41 END STA. 133+00.00

2/11/2025 3:36:19 PM
Y:\PROJECTS\00150000\00180000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	36
PIH	2025	HSIP-10(86)	43
PS&E	2025	HSIP-10(86)	43





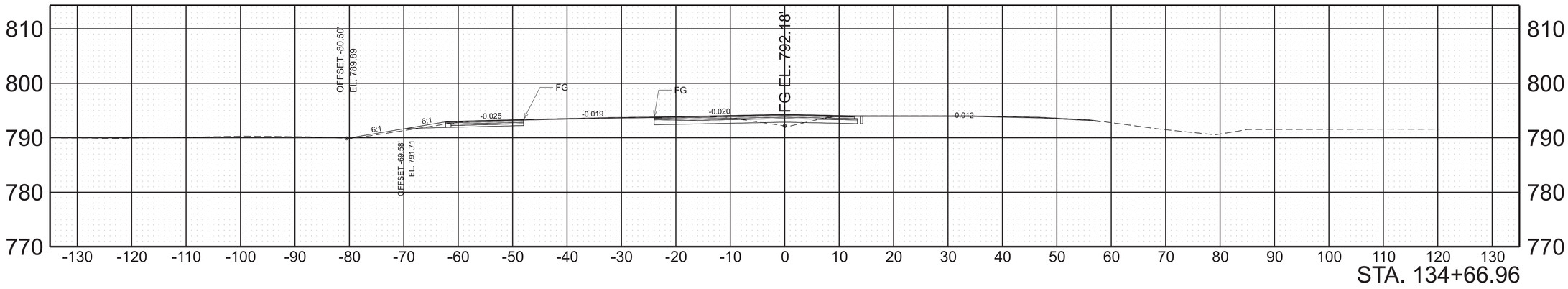


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 133+30.93 END STA. 133+63.96

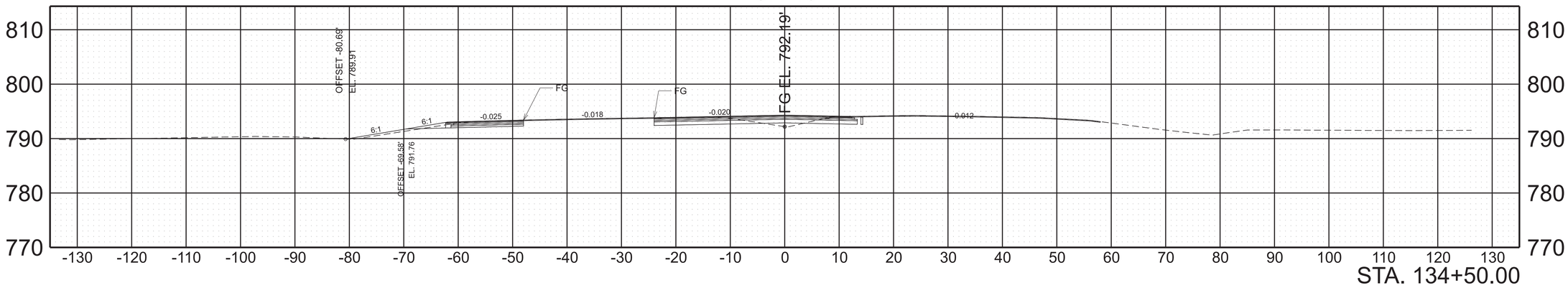
2/11/2025 3:36:20 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	37
PIH	2025	HSIP-10(86)	44
PS&E	2025	HSIP-10(86)	44

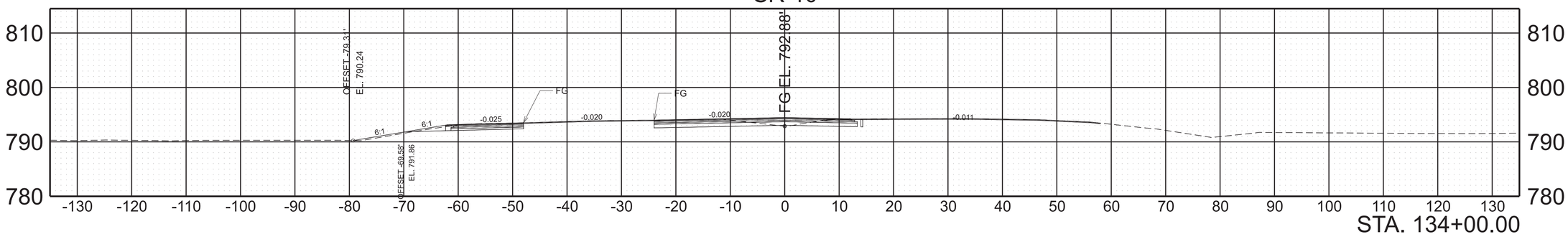
SR-10



SR-10



SR-10

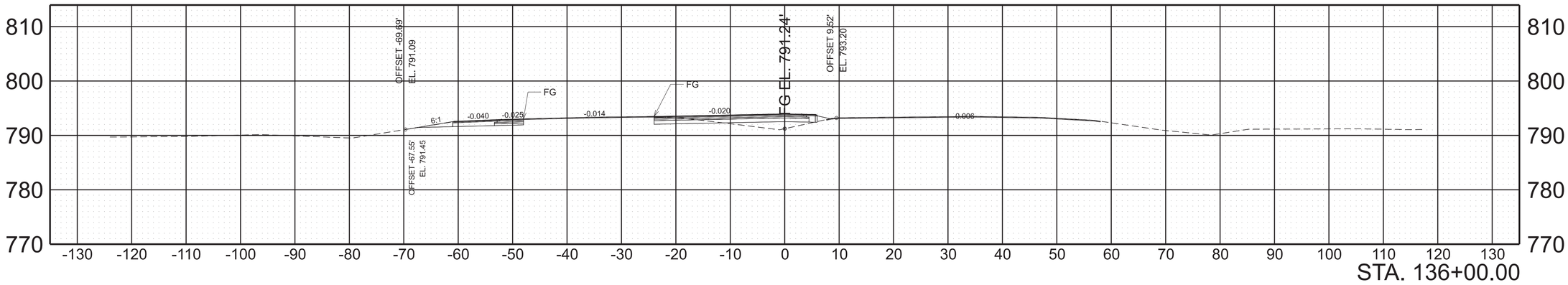


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 134+00.00 END STA. 134+66.96

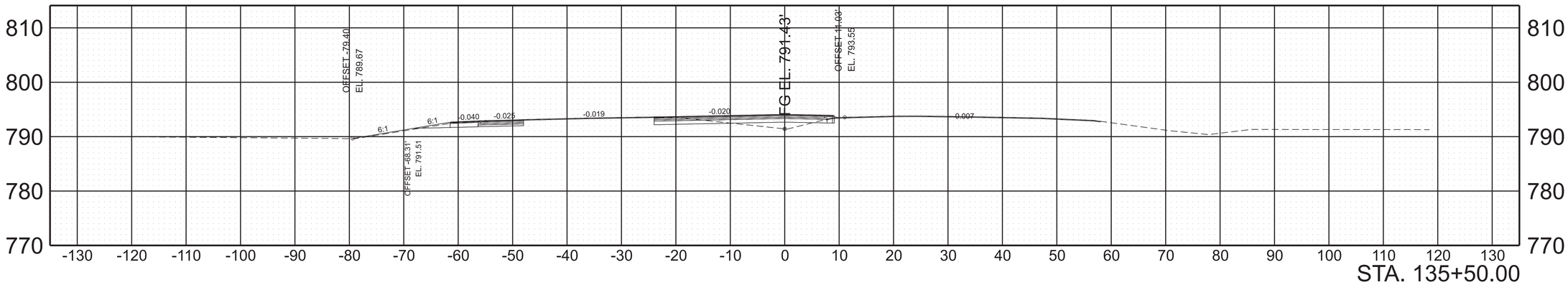
2/11/2025 3:36:21 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	38
PIH	2025	HSIP-10(86)	45
PS&E	2025	HSIP-10(86)	45

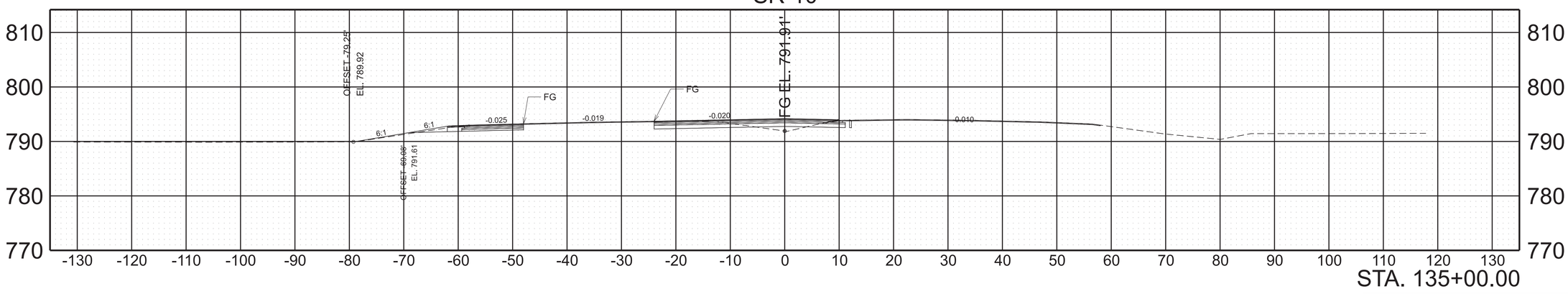
SR-10



SR-10



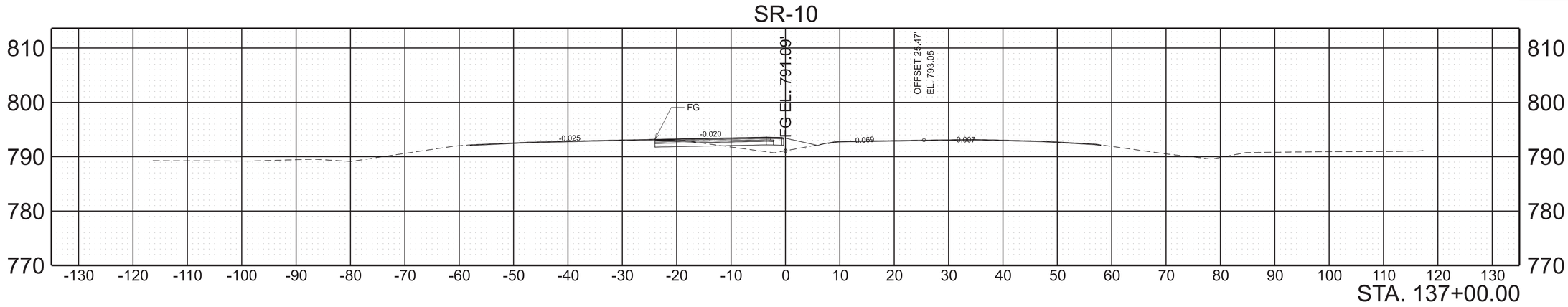
SR-10

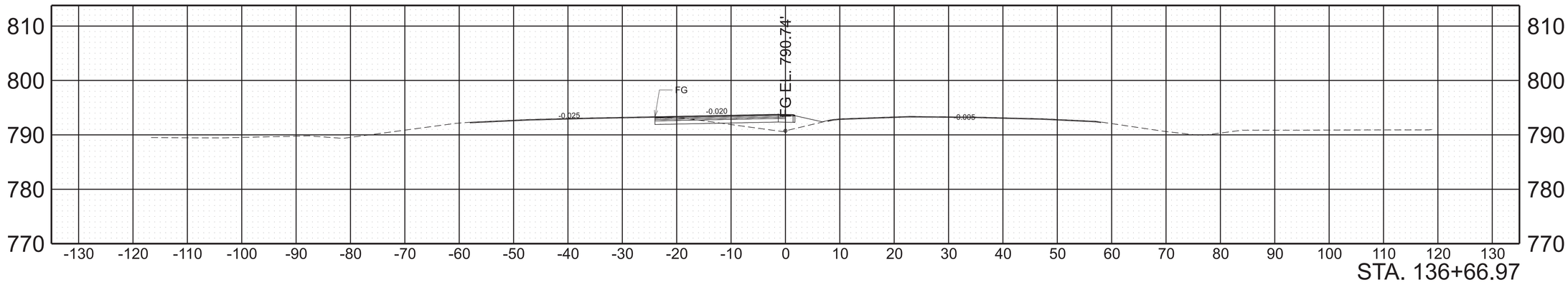


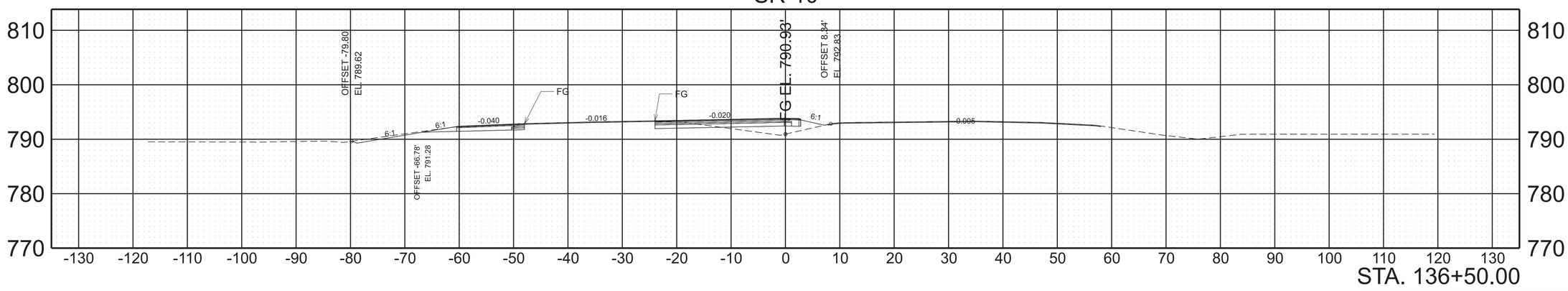
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 135+00.00 END STA. 136+00.00

2/11/2025 3:36:22 PM
Y:\PROJECTS\00150000\00180000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	39
PIH	2025	HSIP-10(86)	46
PS&E	2025	HSIP-10(86)	46





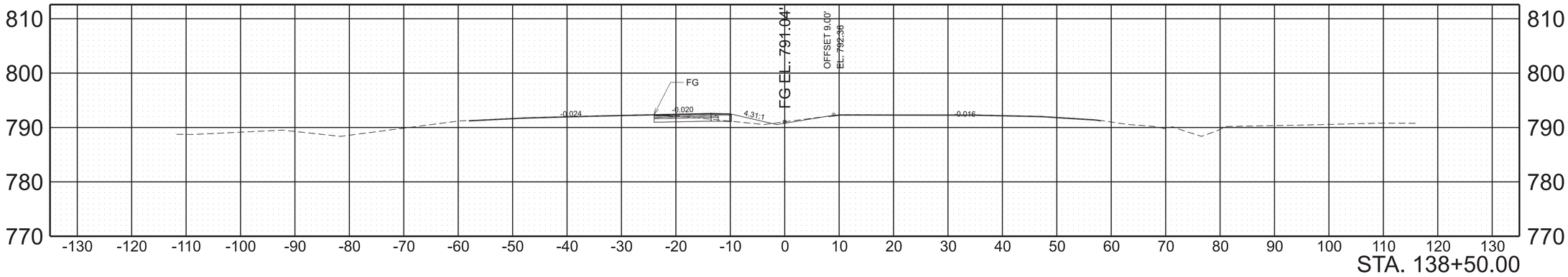


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 136+50.00 END STA. 137+00.00

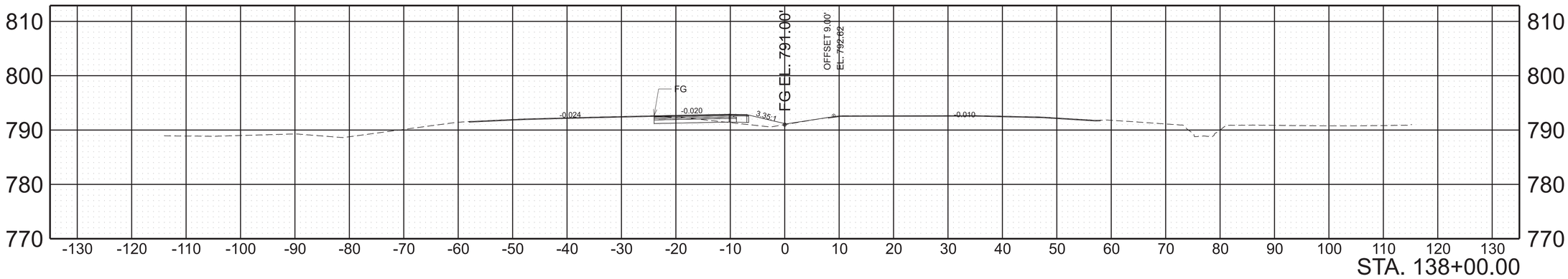
2/11/2025 3:36:23 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	40
PIH	2025	HSIP-10(86)	47
PS&E	2025	HSIP-10(86)	47

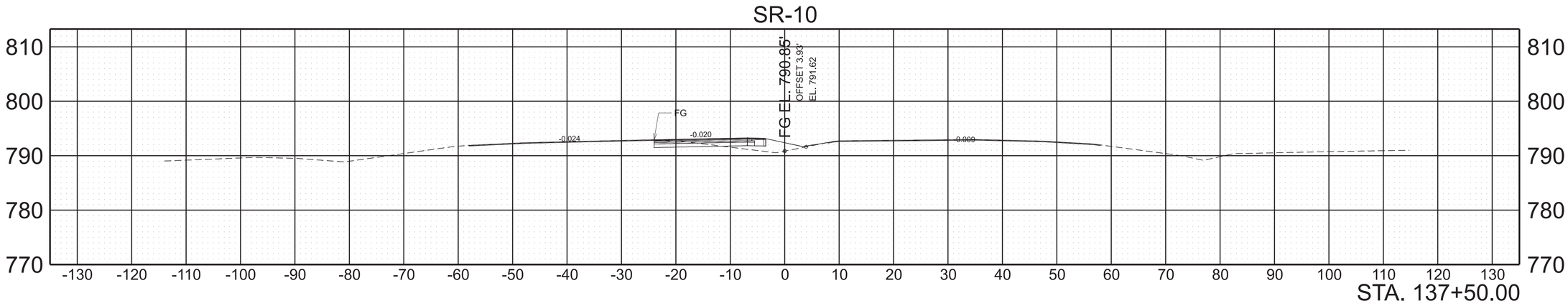
SR-10



SR-10



SR-10

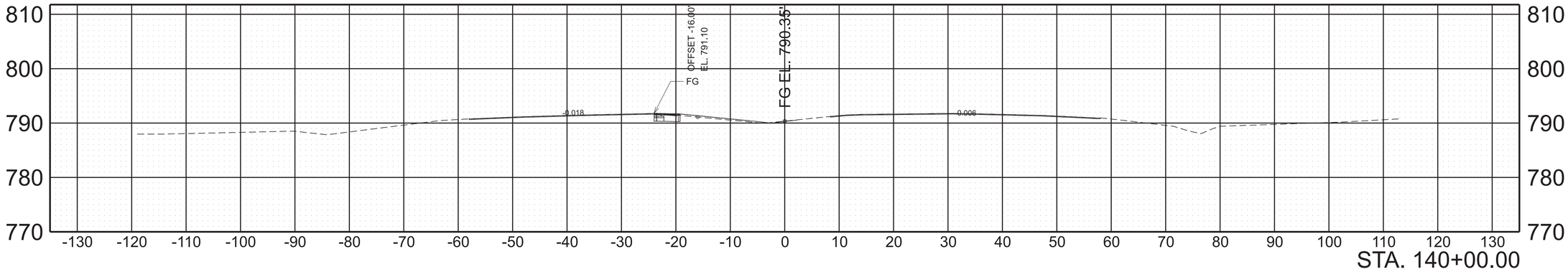


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 137+50.00 END STA. 138+50.00

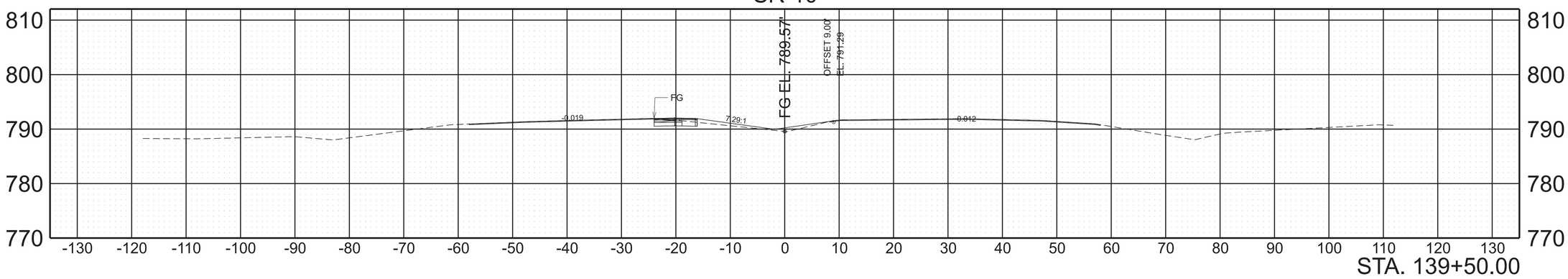
2/11/2025 3:36:24 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	41
PIH	2025	HSIP-10(86)	48
PS&E	2025	HSIP-10(86)	48

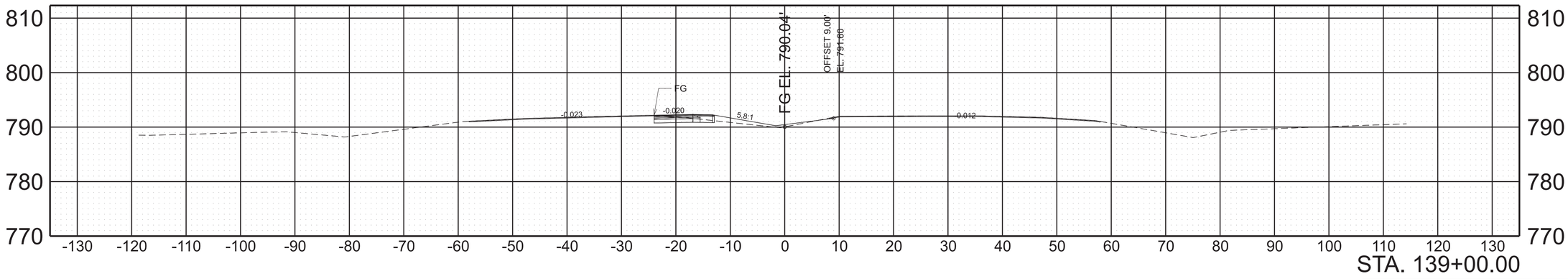
SR-10



SR-10



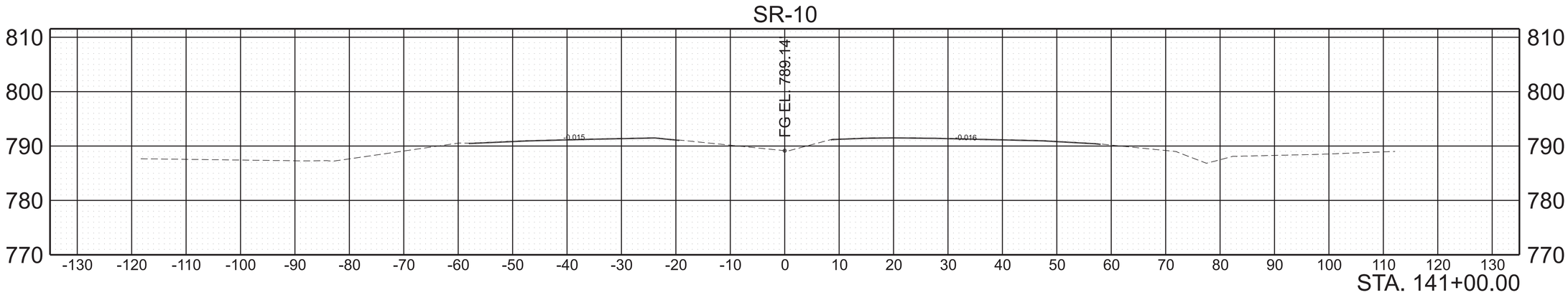
SR-10

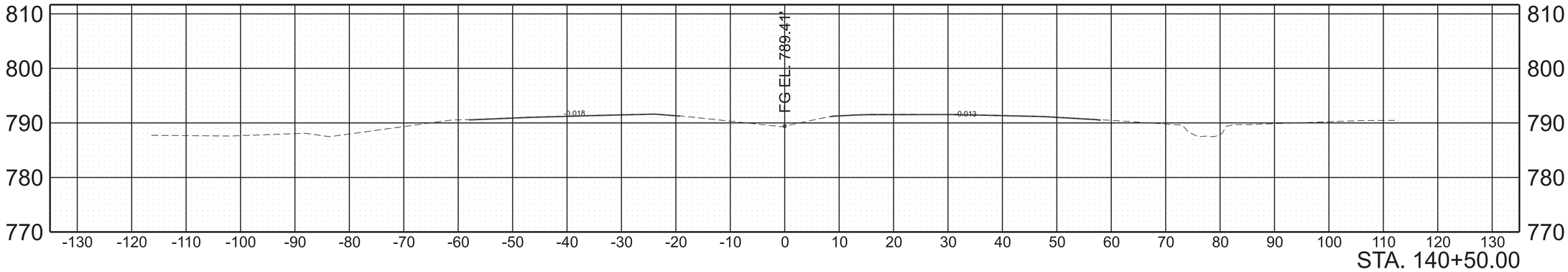


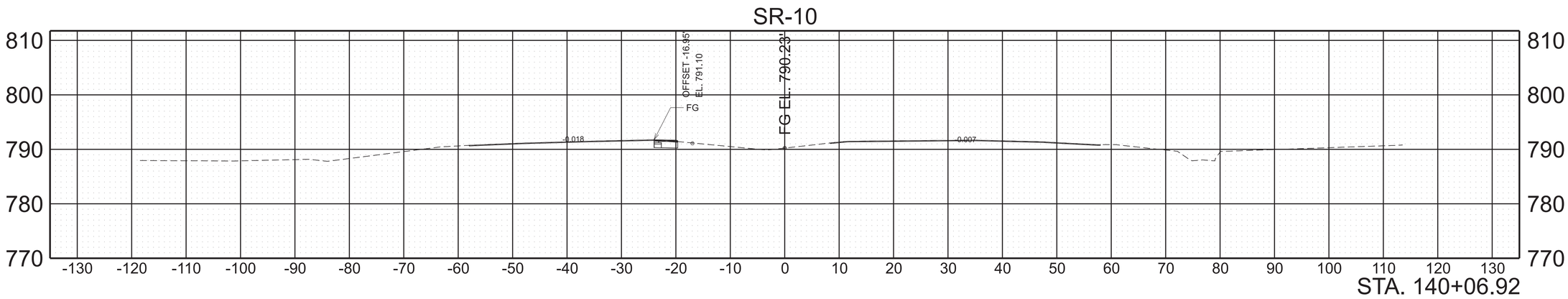
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 139+00.00 END STA. 140+00.00

2/11/2025 3:36:25 PM
Y:\PROJECTS\0015000\001800\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	42
PIH	2025	HSIP-10(86)	49
PS&E	2025	HSIP-10(86)	49





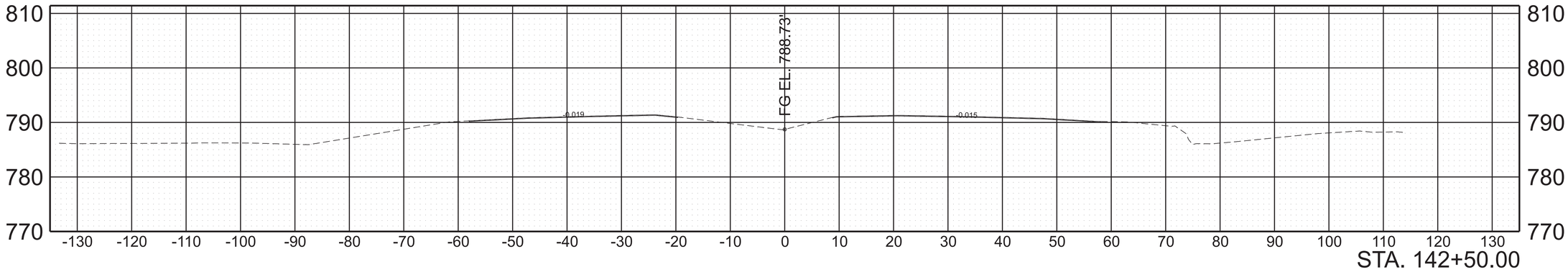


SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 140+06.92 END STA. 141+00.00

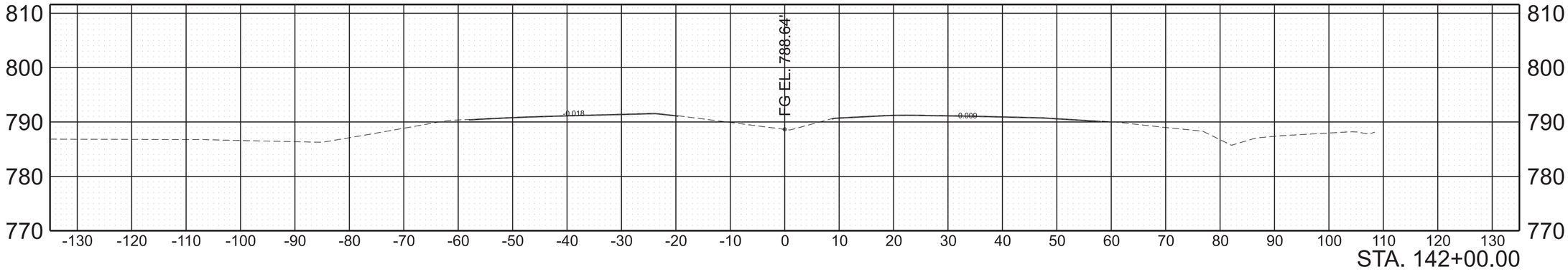
2/11/2025 3:36:27 PM
Y:\PROJECTS\0015000001800018023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	43
PIH	2025	HSIP-10(86)	50
PS&E	2025	HSIP-10(86)	50

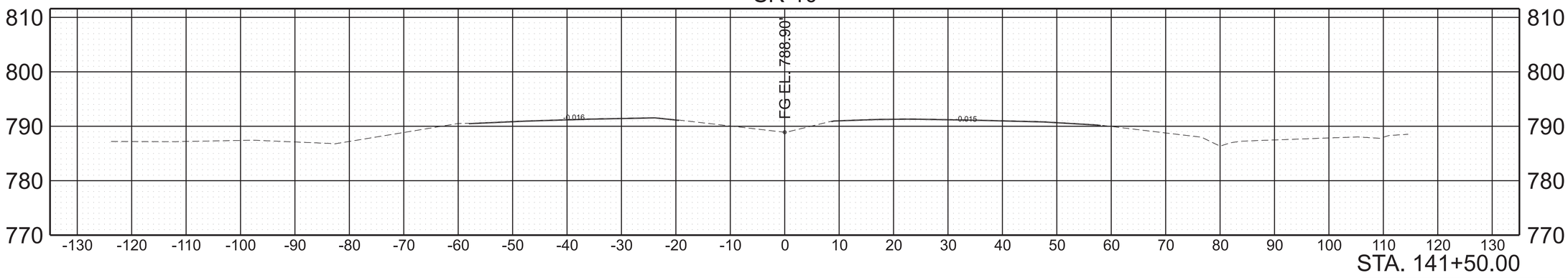
SR-10



SR-10



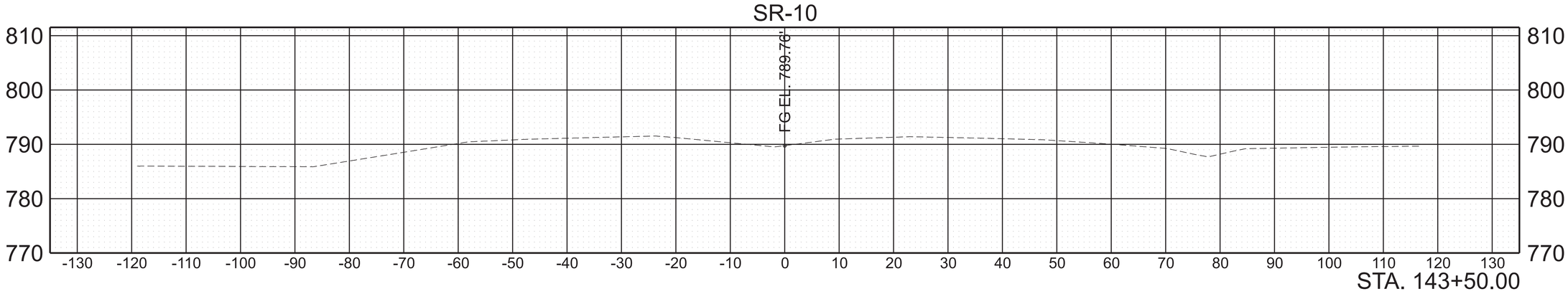
SR-10

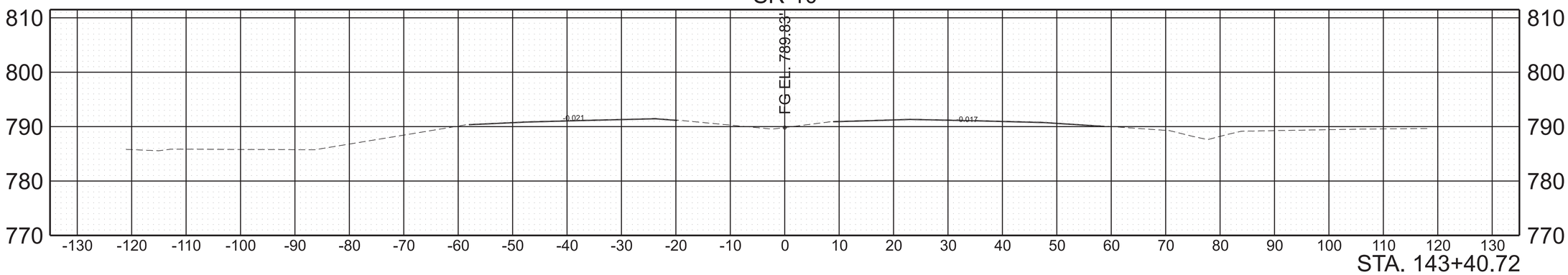


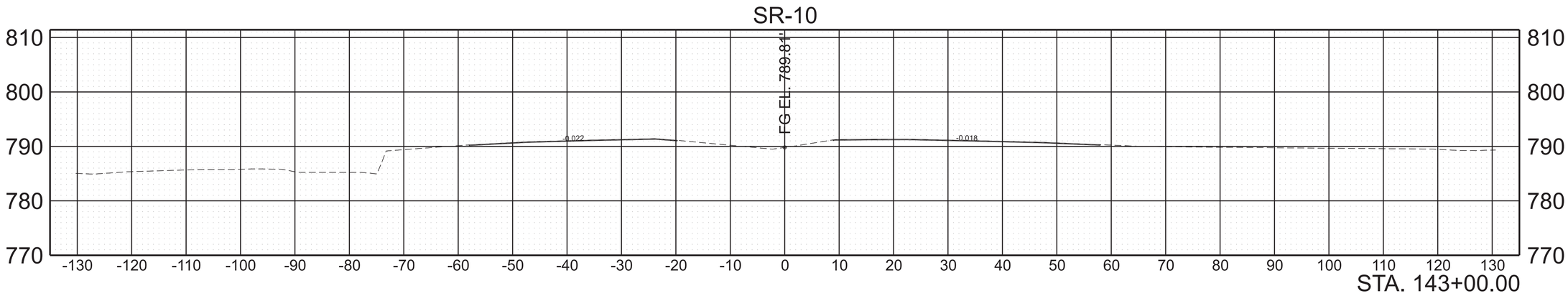
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 141+50.00 END STA. 142+50.00

2/11/2025 3:36:28 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	44
PIH	2025	HSIP-10(86)	51
PS&E	2025	HSIP-10(86)	51



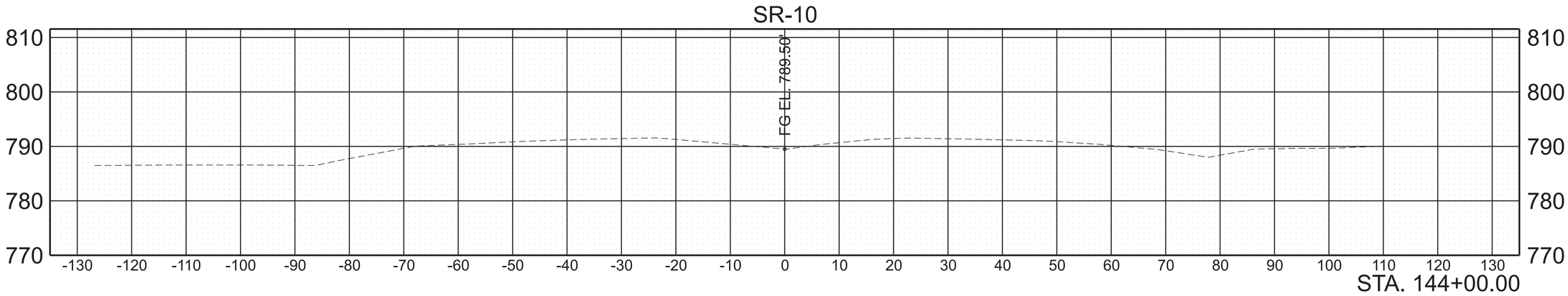




SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 143+00.00 END STA. 143+50.00

2/11/2025 3:36:29 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02SS010-03-SHT-XS-SR10.DGN

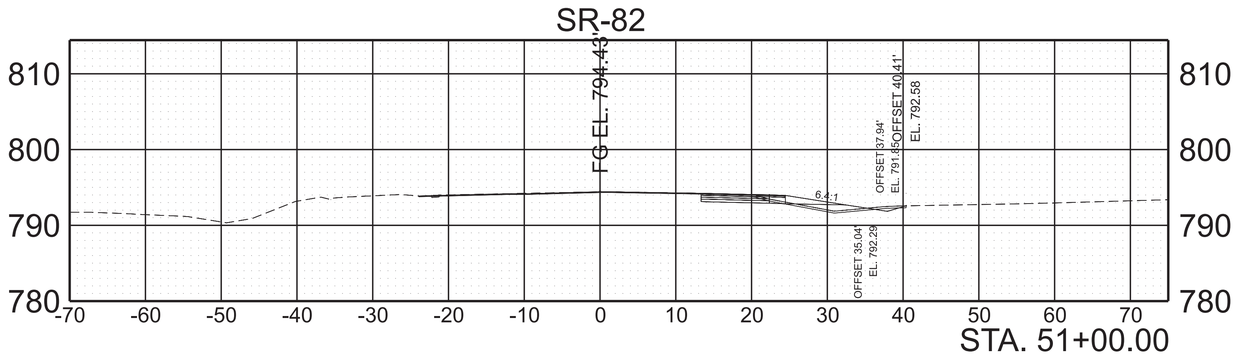
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	45
PIH	2025	HSIP-10(86)	52
PS&E	2025	HSIP-10(86)	52

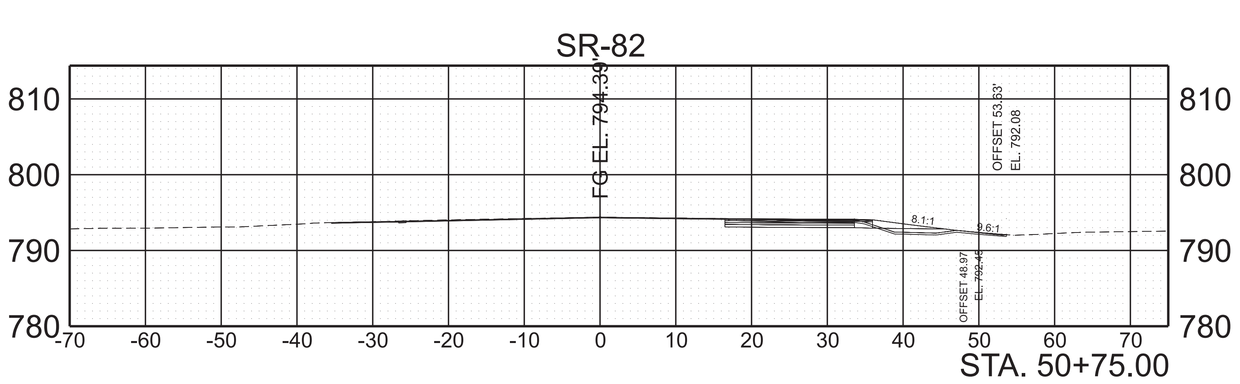


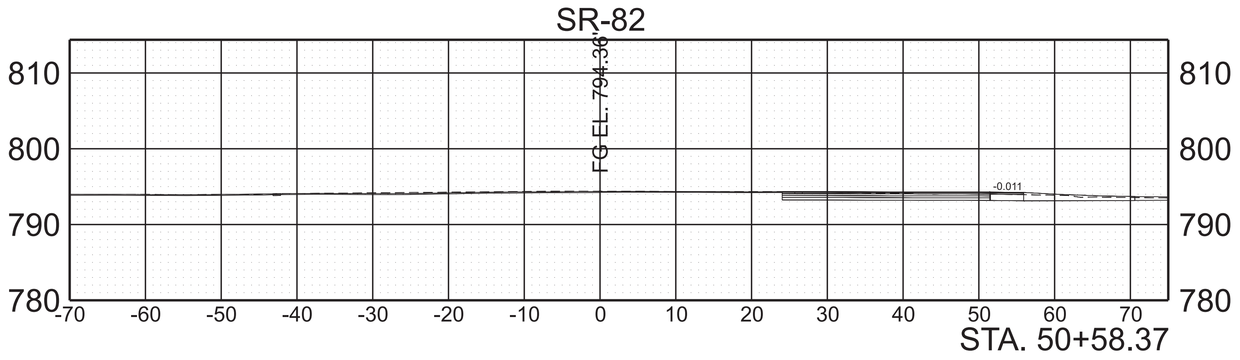
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 144+00.00 END STA. 144+00.00

2/11/2025 3:36:29 PM
Y:\PROJECTS\00150000\00180000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR10.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	46
PIH	2025	HSIP-10(86)	53
PS&E	2025	HSIP-10(86)	53





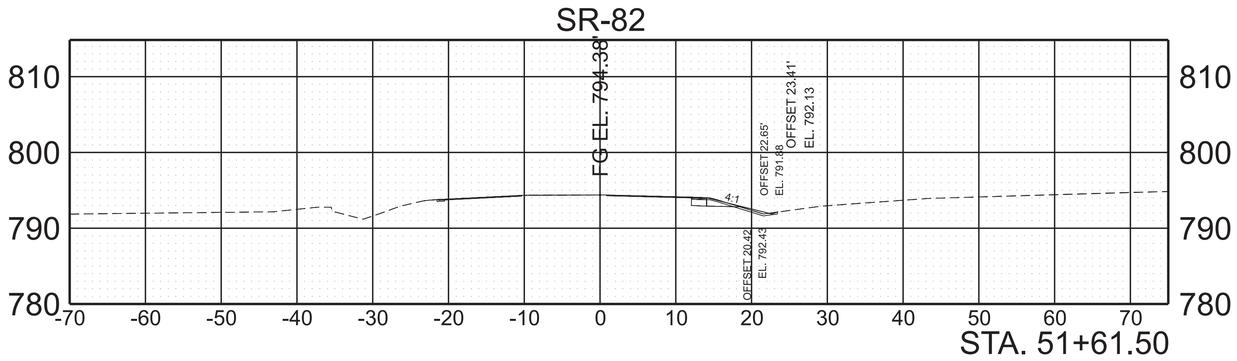


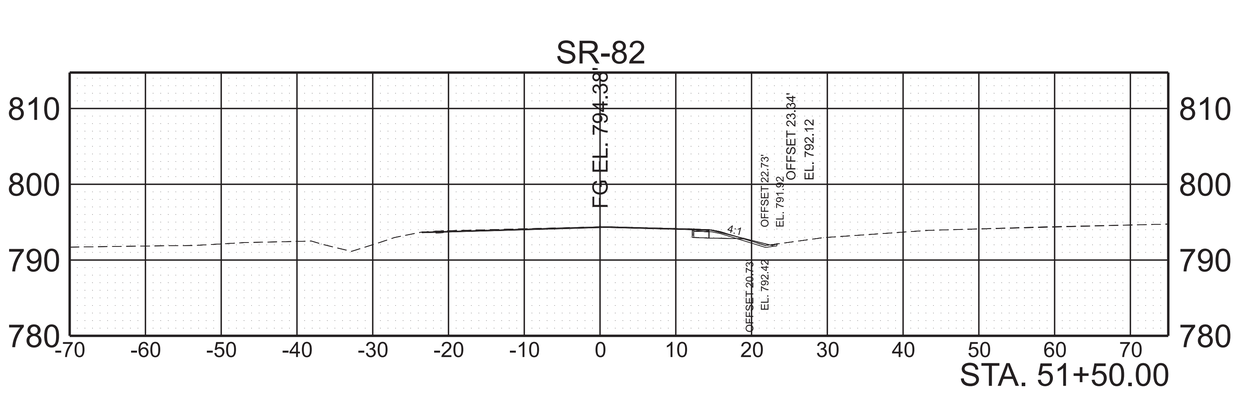
SR-82

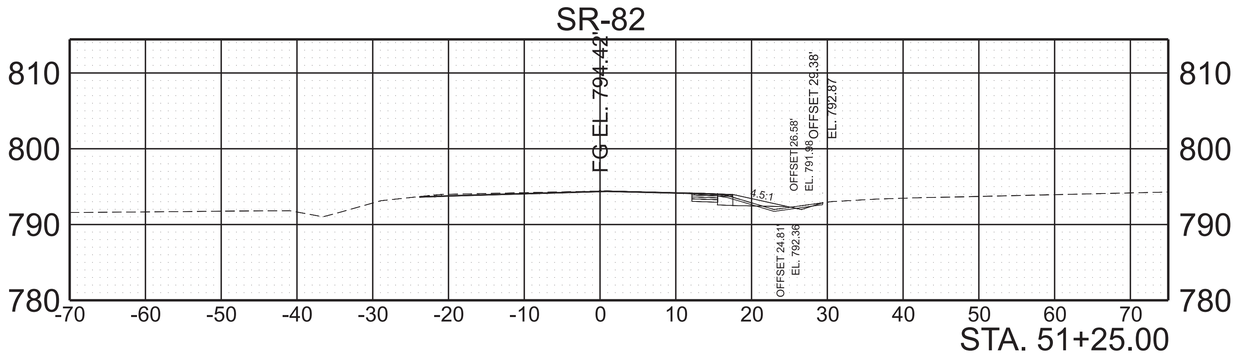
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 50+58.37 END STA. 51+00.00

2/11/2025 3:36:32 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR82-NEW.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	47
PIH	2025	HSIP-10(86)	54
PS&E	2025	HSIP-10(86)	54





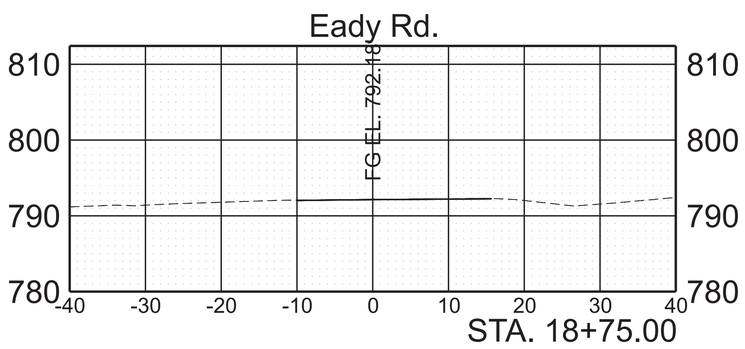


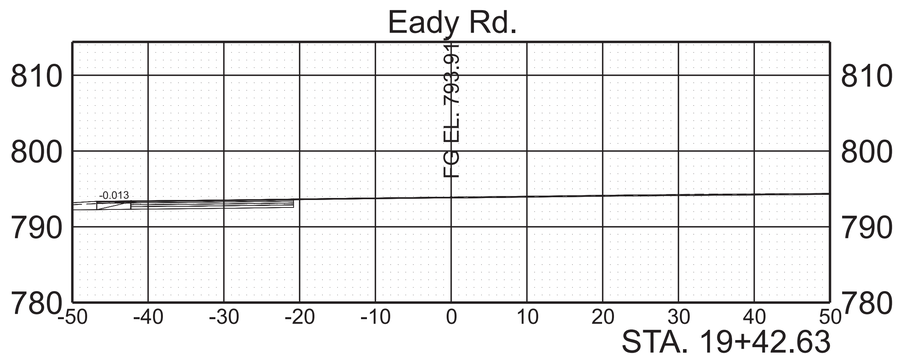
SR-82

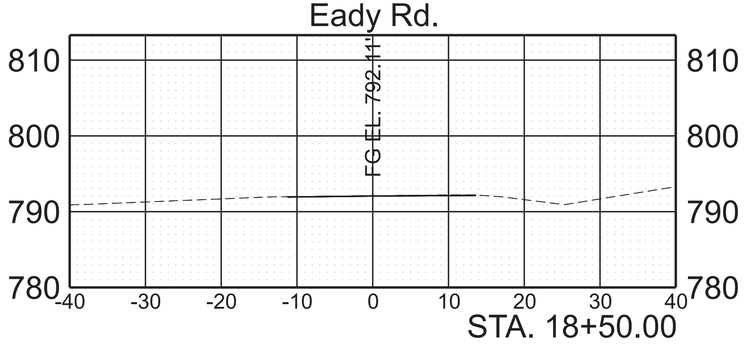
SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 51+25.00 END STA. 51+61.50

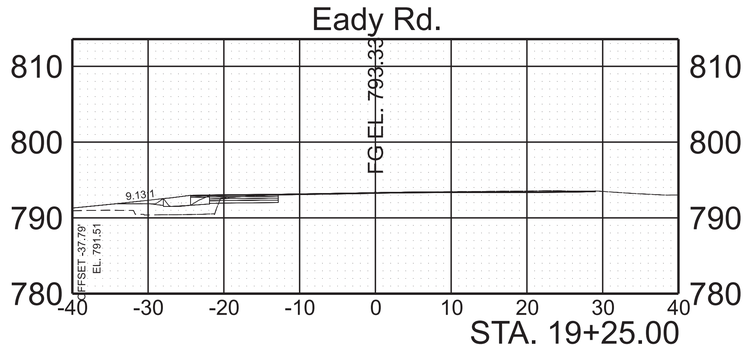
2/11/2025 3:36:33 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-SR82-NEW.DGN

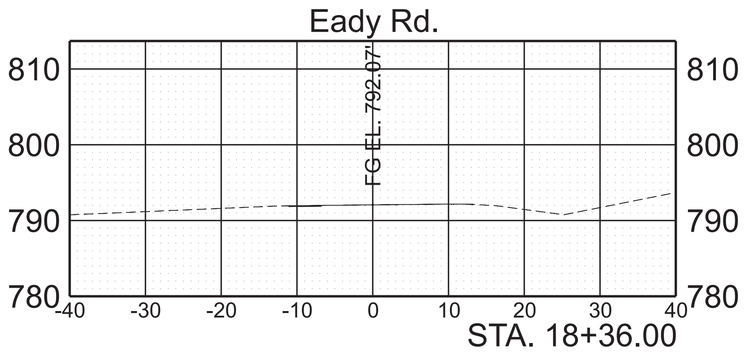
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	48
PIH	2025	HSIP-10(86)	55
PS&E	2025	HSIP-10(86)	55

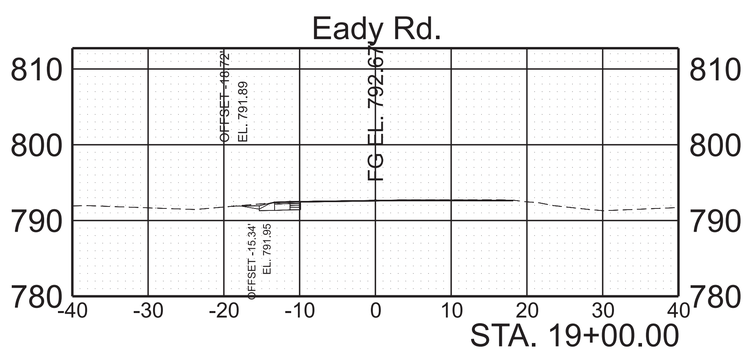












EADY RD.

SCALE:	1"=10' HORIZ. 1"=10' VERT.	BEGIN STA. 18+36.00 END STA. 19+42.63

2/11/2025 3:36:36 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-XS-EADYRD-NEW.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	49
PIH	2025	HSIP-10(86)	56
PS&E	2025	HSIP-10(86)	56

N

135

STA. 133+16.28 SR-10=
STA. 20+01.16 Eady Rd.
N 457159.8864 E 1837704.4619

ADVANCE DETECTION ZONE 365' FROM STOP BAR

LEGEND

RS — RADAR DETECTOR (STOP LINE)
RA — RADAR DETECTOR (ADVANCED)
RADAR DETECTION ZONE

PROP. SIGNAL POLE NO. 1
STA. 133+35.38. OFF. 95.0' LT.
INSTALL 8 PHASE BASE MOUNTED CABINET, SIGNAL CONTROLLER, 4-2" PVC CONDUITS AND REQUIRED CABINET EQUIPMENT

POLE 1

INSTALL TYPE "B" PULL BOX
INSTALL 2-2" CONDUITS (SCH 80)

S86°03'04"E

INSTALL 3-2" CONDUITS (SCH. 80) (DIRECTIONAL BORE)

INSTALL TYPE "B" PULL BOX

INSTALL 2" CONDUIT (SCH 80)

PROP. SIGNAL POLE NO. 4
STA. 132+45.45, OFF. 73.7' LT.

POLE 4

PROP. SIGNAL POLE NO. 2
STA. 133+83.38, OFF. 69.5' RT.

INSTALL TYPE "B" PULL BOX
INSTALL 2-2" CONDUITS (SCH 80)

POLE 2

STA. 136+38.51 SR-10=
STA. 52+06.71 SR-82
N 457440.8012 E 1837937.0903

ADVANCE DETECTION ZONE 365' FROM STOP BAR

INSTALL 2-2" CONDUITS (SCH. 80) (DIRECTIONAL BORE)

POLE 3

PROP. SIGNAL POLE NO. 3
STA. 132+70.90, OFF. 78.0' RT.

INSTALL TYPE "B" PULL BOX

INSTALL 2-2" CONDUITS (SCH. 80) (DIRECTIONAL BORE)

ADVANCE DETECTION ZONE 365' FROM STOP BAR

SIGNAL HEADS

TYPE 140A4F W/ BACKPLATE 12" L.E.D. — 1, 5
TYPE 130 W/ BACKPLATE 12" L.E.D. — 2, 3, 4, 6
TYPE 140A1L W/ BACKPLATE 12" L.E.D. — 3L, 4L
TYPE 140A3F-R W/ BACKPLATE 12" L.E.D. — 2R, 6R

*NOTE: ALL BACKPLATES SHALL INCLUDE YELLOW REFLECTIVE STRIP (1" MIN 3"MAX WIDTH)

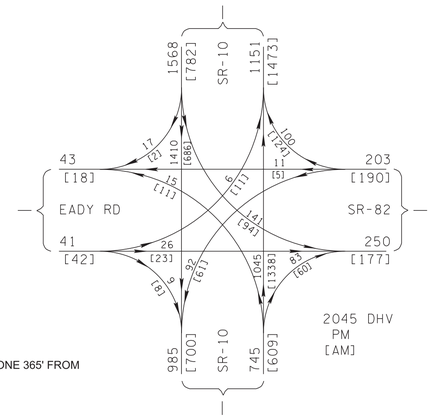
SIGNS

LEFT TURN YIELD ON FLASHING YELLOW ARROW — R10-12A 30"X36" (A)
RIGHT TURN YIELD ON FLASHING YELLOW ARROW — R10-12A MOD 30"X36" (B)

NOTE:
- SIGNAL HEAD 2R SHALL FLASH YELLOW ARROW (FY) DURING PHASE 2 AND HAVE STEADY GREEN ARROW (G) CONCURRENTLY WITH PHASE 4
- SIGNAL HEAD 6R SHALL FLASH YELLOW ARROW (FY) DURING PHASE 6 AND HAVE STEADY GREEN ARROW (G) CONCURRENTLY WITH PHASE 3.

OVERHEAD STREET NAME SIGNS

Eady Rd → — SNS-1
← Eady Rd — SNS-2



SEALED BY

WILLIAM EDWARD TODD III
REGISTERED ENGINEER
No. 122054
STATE OF TENNESSEE
02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNAL LAYOUT

INTERSECTION @
SR-10 & SR-82/EADY RD
SCALE: 1" = 30'

2/14/2025 9:34:29 AM
Y:\PROJECTS\00150000\00180000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-SIGNAL LAYOUTS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-10(86)	49A
PIH	2025	HSIP-10(86)	56A
PS&E	2025	HSIP-10(86)	56A

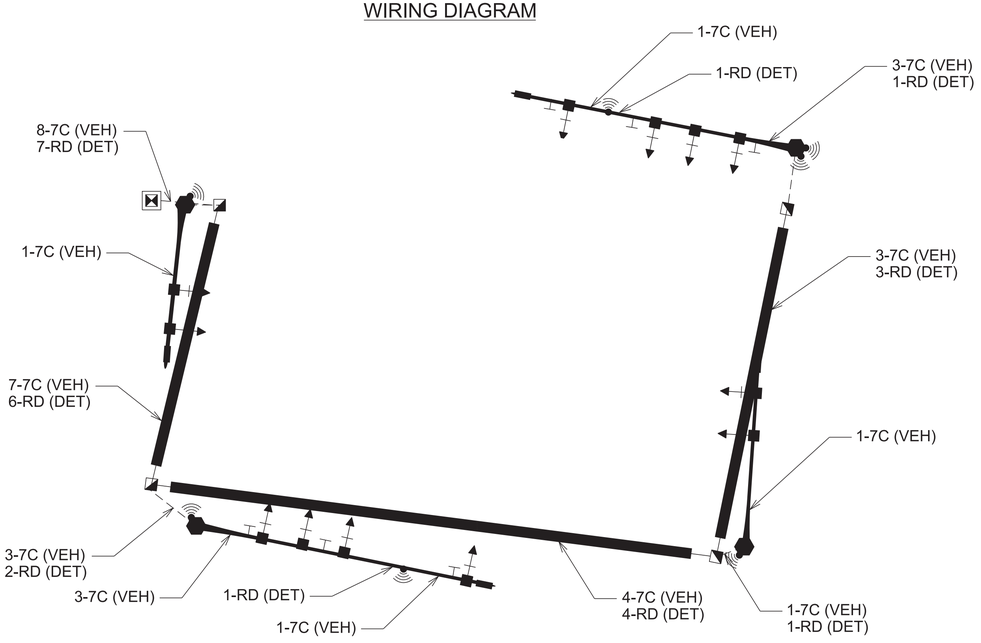
SIGNAL SUPPORT POLE DATA AND MAST ARM DETAILS

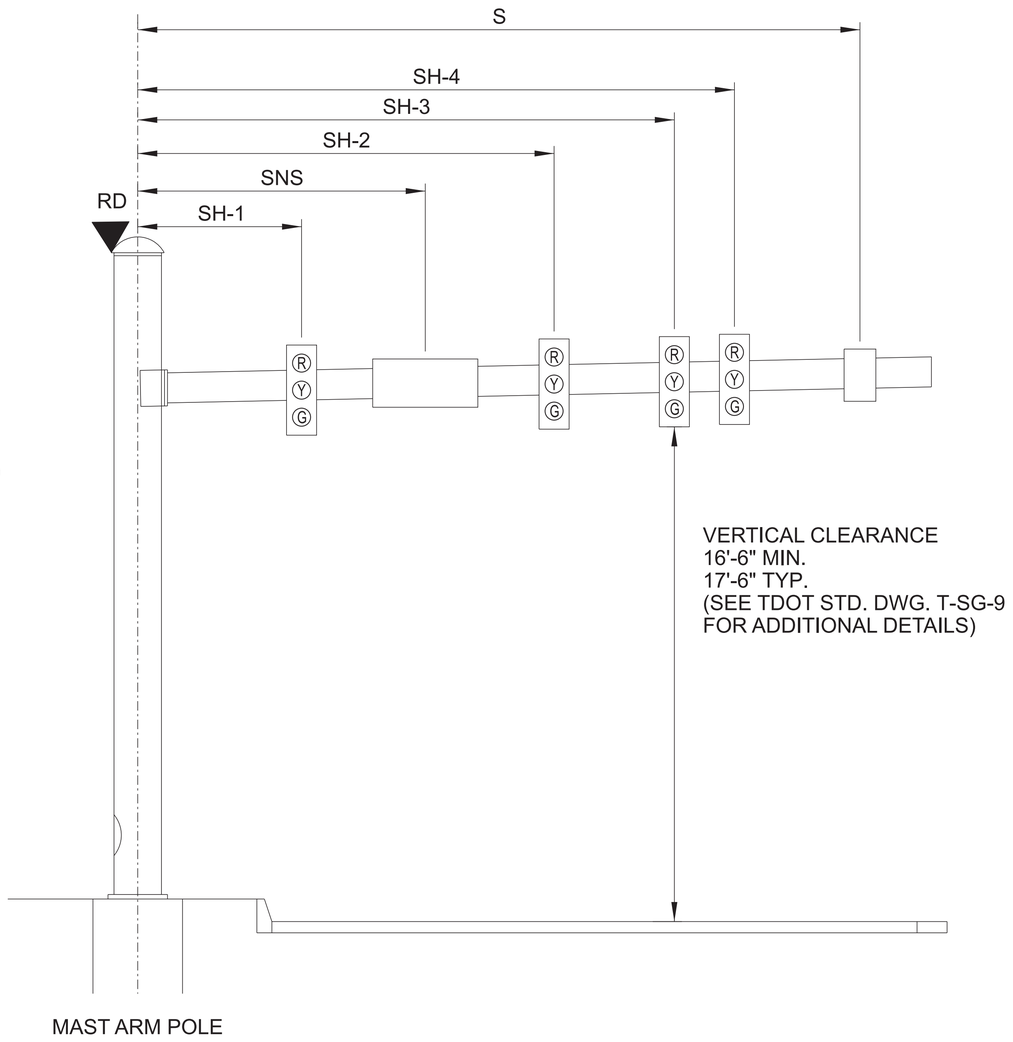
POLE NO.	STATION	OFFSET	NORTHING	EASTING	ARM LENGTH	RD-1	RD-2	SH-1	SH-2	SH-3	SH-4	S-1	S-2	SNS	GROUND EL. @ POLE
P1	133+35.38	95.0' LT.	457195.5525	1837614.8029	45'	0'		22'	34'						794.67
P2	133+83.38	69.5' RT.	457211.4950	1837786.1274	85'	0'	52'	14'	27'	38'	63'	10'	69'	45'	793.73
P3	132+70.90	78.0' RT.	457099.6451	1837771.6282	55'	0'		31'	43'						794.74
P4	132+45.45	73.7' LT.	457105.4724	1837617.9193	85'	0'	59'	18'	30'	41'	77'	24'	73'	36'	795.19

LEGEND

SYMBOL	ITEM	
	S-#:	SIGN
	SNS-#:	STREET NAME SIGN
R Y G	SH-#:	SIGNAL HEAD
	RD-#:	RADAR DETECTION UNIT

WIRING DIAGRAM





MAST ARM POLE

SEALED BY

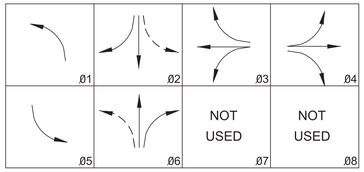
WILLIAM EDWARD TODD III
REGISTERED ENGINEER
No. 122054
STATE OF TENNESSEE
02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNAL
DETAILS
INTERSECTION @
SR-10 & SR-82/EADY RD
NOT TO SCALE

2/11/2025 3:36:39 PM
Y:\PROJECTS\0015000001800018023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-SIGNAL LAYOUTS DETAILS.DGN

SIGNAL PHASING DIAGRAM



-MIN RECALL: Ø2,Ø6
-FLASHING YELLOW ARROW/PROT-PERM LEFT TURN - Ø1,Ø5
-SPLIT PHASE OPERATION: Ø3, Ø4
-FLASHING OPERATION: YELLOW - Ø2,Ø6; RED - Ø3,Ø4
-SOLID LINE REPRESENTS PROTECTED MOVEMENT AND DASH LINE REPRESENTS PERMISSIVE MOVEMENT

CONTROLLER PROGRAMMING DATA

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8
MOVEMENT	NBL	SB	WB	EB	SBL	NB		
PHASE DATA								
MIN GREEN	5.0	25.0	8.0	8.0	5.0	25.0		
PASSAGE TIME	2.5	4.5	3.5	2.5	2.5	4.5		
MAXIMUM I	15.0	45.0	30.0	30.0	20.0	45.0		
MAXIMUM II	20.0	55.0	35.0	35.0	25.0	55.0		
YELLOW	4.0	5.0	4.5	4.0	4.0	5.0		
RED	4.0	1.5	4.0	4.0	4.0	1.5		
WALK								
FLASH DON'T WALK								
ADDED INITIAL								
MAX INITIAL								
TIME BEFORE REDUC								
TIME TO REDUCE								
MIN GAP								
DYN MAX		70.0				70.0		
DYN STP		5.0				5.0		
UNIT DATA								
NON-LOCK MEMORY	YES	YES	YES	YES	YES	YES		
DUAL ENTRY		YES				YES		
LAST CAR PASSAGE								
COND SERVICE								
NO SIMULT GAP								
GENERAL CONTROLS								
INITIALIZATION	INACTIVE	GREEN	INACTIVE	INACTIVE	INACTIVE	GREEN	INACTIVE	INACTIVE
VEHICLE RECALL	NONE	MIN	NONE	NONE	NONE	MIN	NONE	NONE
PEDESTRIAN RECALL								

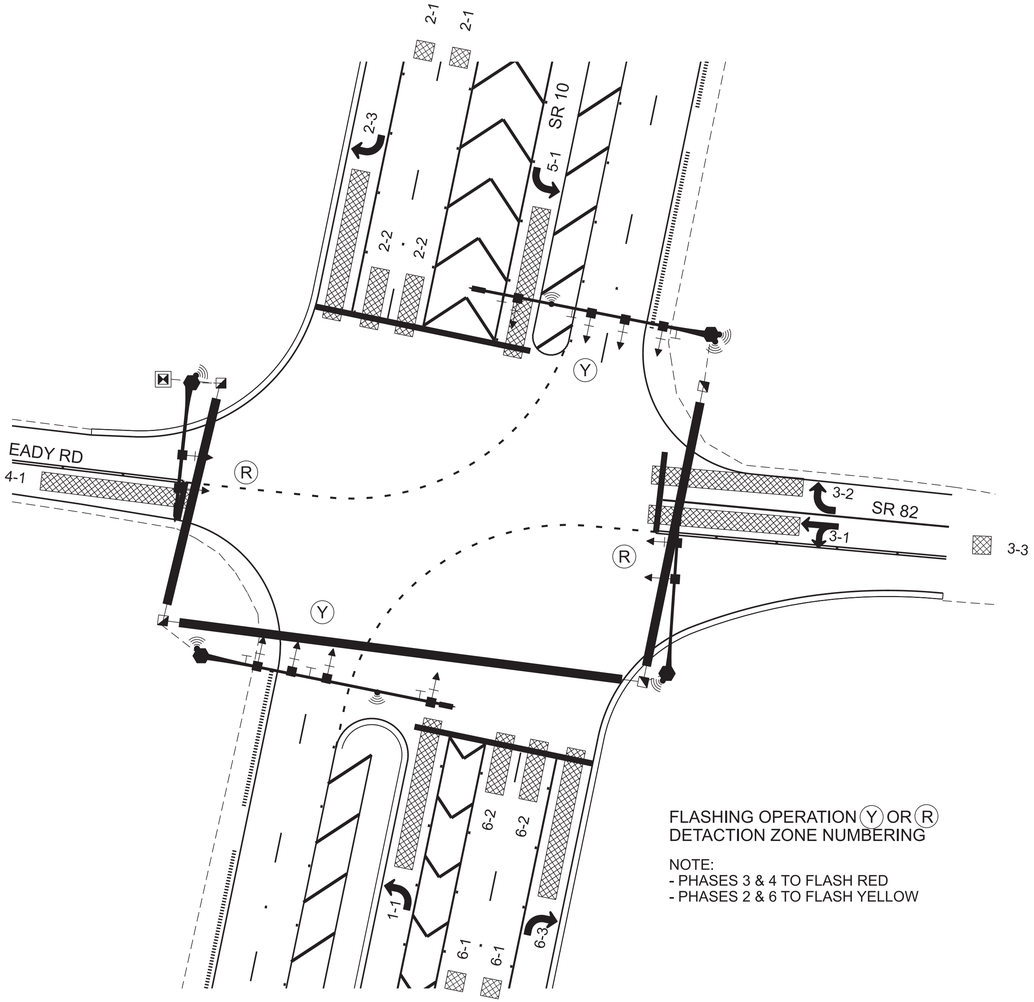
TRAFFIC SIGNAL TIMINGS MAY BE ADJUSTED IN FIELD BY ENGINEER DURING OR POST CONSTRUCTION

RADAR DETECTION TARGET ASSIGNMENTS

TARGET AREA #	VEHICLE DETECTION #	TARGET AREA (FT)	ASSOC. PHASE	COMMENTS
1-1	RS6	50	1	5.0 SEC DELAY
2-1	RA2	6	2	
2-1	RA2	6	2	
2-2	RS2	20	2	
2-2	RS2	20	2	
2-3	RS2	50	2	
3-1	RS3	50	3	
3-2	RS3	50	3	8.0 SEC DELAY
3-3	RA3	6	3	
4-1	RS4	50	4	8.0 SEC DELAY
5-1	RS2	50	5	5.0 SEC DELAY
6-1	RA6	6	6	
6-1	RA6	6	6	
6-2	RS6	20	6	
6-2	RS6	20	6	
6-3	RS6	50	6	

N

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	56B
PS&E	2025	HSIP-10(86)	56B



FLASHING OPERATION (Y) OR (R)
DETACTION ZONE NUMBERING

NOTE:
- PHASES 3 & 4 TO FLASH RED
- PHASES 2 & 6 TO FLASH YELLOW

SEALED BY

WILLIAM EDWARD TODD III
REGISTERED ENGINEER
No. 122054
STATE OF TENNESSEE
02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNAL PHASING
& TIMING
INTERSECTION @
SR-10 & SR-82/EADY RD
NOT TO SCALE

2/14/2025 9:34:31 AM
Y:\PROJECTS\00150000\018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-SIGNAL LAYOUT WIRING DETAIL.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-1
PS&E	2025	HSIP-10(86)	T-1

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

A. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:

1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 1.75 INCHES:

   a. WARNING SIGNS, UNEVEN LANES (W8-11) AND/OR SHOULDER DROP-OFF WITH PLAQUE (W8-17 AND W8-17P), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   b. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

   c. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

   d. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.

2. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 1.75 INCHES AND NOT EXCEEDING 6 INCHES, TRAFFIC IS NOT TO BE ALLOWED TO TRAVERSE THIS DIFFERENCE IN ELEVATION.

   a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

   b. IF THE DIFFERENCE IN ELEVATION IS ELIMINATED OR DECREASED TO 2 INCHES OR LESS BY THE END OF EACH WORKDAY, CONES MAY BE USED DURING DAYLIGHT HOURS IN LIEU OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES MENTIONED IN PARAGRAPH a, PROVIDED WARNING SIGNS ARE ERECTED. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   c. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE THROUGH TRAFFIC LANE AND THE SHOULDER AND THE ELEVATION DIFFERENCE IS LESS THAN 3 INCHES, THE CONTRACTOR MAY USE WARNING SIGNS AND/OR PROTECTIVE DEVICES AS APPLICABLE AND APPROVED BY THE REGIONAL TRAFFIC ENGINEER. SEE PARAGRAPH a REGARDING USE OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) WILL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 2 MILES IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

3. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 6 INCHES BUT NOT EXCEEDING 18 INCHES, THE CONTRACTOR, WITH THE ENGINEER'S APPROVAL, MAY UTILIZE ONE OF THE FOLLOWING:

   a. THE CONTRACTOR SHALL ACCOMPLISH SEPARATION BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

   IN ORDER TO USE THIS METHOD, THE CONTRACTOR MUST REDUCE THE DIFFERENCE IN ELEVATION TO 6 INCHES OR LESS BY THE END OF THE WORKDAY THAT THE CONDITION IS CREATED.

   b. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a, AND CONSTRUCT A STONE WEDGE WITH A 4:1 SLOPE, OR FLATTER, TO ELIMINATE THE VERTICAL OFFSET IF THE LOWER ELEVATION IS AT OR BELOW SUBGRADE AT THE END OF EACH DAY.

   c. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a AND IF THE LOWER ELEVATION IS BASE STONE OR ASPHALT PAVEMENT, PLACEMENT OF SUBSEQUENT LAYERS OF PAVEMENT MUST BEGIN THE NEXT WORK DAY AND PROGRESS CONTINUOUSLY UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED OR REDUCED TO SIX INCHES OR LESS.

   d. THE CONTRACTOR SHALL PROVIDE SEPARATION BY PORTABLE BARRIER RAIL.

   FOR PRECEDING CONDITIONS a, b, AND c, THE CONTRACTOR SHALL USE THE SHOULDER DROP-OFF WARNING SIGN WITH PLAQUE (W8-17 AND W8-17P). IT SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN THE SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

4. FOR DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 18 INCHES.

   SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

   IN THIS SITUATION THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

B. IF THE DIFFERENCE IN ELEVATION IS WITHIN 30 FEET OF THE NEAREST TRAFFIC LANE BEING USED BY TRAFFIC CAUSED BY GRADING, EXCAVATION FOR UTILITIES, DRAINAGE STRUCTURES, UNDERCUTTING, ETC.:

1. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 3/4 INCH AND NOT EXCEEDING 2 INCHES.

   a. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

2. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 2 INCHES AND NOT EXCEEDING 6 INCHES:

   a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

3. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 6 INCHES:

   a. SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

      (1) WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

      (2) WHERE POSTED SPEEDS ARE LESS THAN 50 MPH THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

   b. ELIMINATE VERTICAL OFFSET BY CONSTRUCTING A STONE WEDGE OR GRADING TO A 4:1 SLOPE, OR FLATTER, OR USE PORTABLE BARRIER RAIL.

   THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE WITHIN 8 FEET OF A TRAFFIC LANE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

C. IF THE DIFFERENCE IN ELEVATION IS FARTHER THAN 8 FEET FROM THE NEAREST TRAFFIC LANE BUT NOT MORE THAN 30 FEET FROM THE NEAREST TRAFFIC LANE:

SEPARATION SHALL BE ACCOMPLISHED BY DRUMS, BARRICADES OR OTHER APPROVED DEVICES IN ACCORDANCE WITH THE FOLLOWING:

1. WHERE POSTED SPEEDS ARE 50 MPH OR GREATER, SPACING OF THE PROTECTIVE DEVICES SHALL NOT EXCEED 100 FEET.

2. WHERE POSTED SPEEDS ARE LESS THAN 50 MPH, THE MAXIMUM SPACING OF THE PROTECTIVE DEVICES IN FEET SHALL NOT EXCEED TWICE THE POSTED SPEED IN MILES PER HOUR OR 50 FEET, WHICHEVER SPACING IS GREATER.

THE CONTRACTOR SHALL SCHEDULE THE WORK SO AS TO MINIMIZE THE TIME TRAFFIC IS EXPOSED TO AN ELEVATION DIFFERENCE. ONCE THE CONTRACTOR BEGINS AN ACTIVITY THAT CREATES AN ELEVATION DIFFERENCE, THE ACTIVITY SHALL BE PURSUED AS A CONTINUOUS OPERATION UNTIL THE ELEVATION DIFFERENCE IS ELIMINATED.

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107595
STATE OF TENNESSEE

02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PHASING NOTES, LEGEND AND TABULATION

2/11/2025 3:36:58 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROLNOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-2
PS&E	2025	HSIP-10(86)	T-2

TABULATED TRAFFIC CONTROL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 2S010-F3-002
	705-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	85
	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	2920
	712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	7
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	173
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	40
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	43
	712-06	SIGNS (CONSTRUCTION)	S.F.	903
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	20
(1)	712-08.03	ARROW BOARD (TYPE C)	EACH	2
(1)	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	4
	716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	7067
	716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	164
	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	0.57
	716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	435
	716-08.05	REMOVAL OF PAVEMENT MARKING (STOP LINE)	L.F.	27
	716-08.06	REMOVAL OF PAVEMENT MARKING (TURN LANE ARROW)	EACH	2
(2)	730-40	TEMPORARY TRAFFIC SIGNAL SYSTEM	EACH	1

FOOTNOTES

(1) ITEM TO BE USED AT THE DIRECTION OF THE ENGINEER.

(2) ITEM TO BE USED AT THE DISCRETION OF THE ENGINEER AND CONTRACTOR. SYSTEM SHALL PROVIDE FULLY FUNCTIONAL ACTUATED SIGNAL OPERATION DURING CONSTRUCTION PHASING AS REQUIRED.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	SIGN (CONSTRUCTION) (2-POST)
	TRAFFIC FLOW
	ARROW BOARD TYPE C
	ARROW BOARD TYPE C (CAUTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
	TEMPORARY BARRICADE (TYPE III)

TRAFFIC CONTROL SIGN TABULATION

M.U.T.C.D. SIGN NO.	LEGEND	SIZE IN INCHES L	X	W	S.F.	NO. REQUIRED PHASE I	NO. REQUIRED PHASE II	TOTAL NO. REQUIRED	ITEM NO. 712-06 S.F.	REMARKS
W1-4R	REVERSE CURVE RIGHT	48"		48"	16	1		1	16.00	
W3-5	REDUCED SPEED LIMIT AHEAD	48"		48"	16	4	4	4	64.00	
R2-1	SPEED LIMIT	36"		48"	12	4	4	4	48.00	
W4-2R	RIGHT LANE ENDS (SYMBOL)	48"		48"	16	4		4	64.00	
W20-1M	ROAD WORK 1 MILE	48"		48"	16	4	4	4	64.00	
W20-1F	ROAD WORK 1000 FT	48"		48"	16	4		4	64.00	
W20-5RM	RIGHT LANE CLOSED 1/2 MILE	48"		48"	16	4		4	64.00	
W20-5RF	RIGHT LANE CLOSED 1500 FT	48"		48"	16	4		4	64.00	
G20-2	END ROAD WORK	48"		24"	8	5	6	6	48.00	
W20-2F	DETOUR 1000 FT	48"		48"	16	2		2	32.00	
W20-3M	ROAD CLOSED 1 MILE	48"		48"	16	1		1	16.00	
W20-3M	ROAD CLOSED 1/2 MILE	48"		48"	16	1		1	16.00	
W20-3F	ROAD CLOSED 1000 FT	48"		48"	16	1		1	16.00	
M4-9S	DETOUR (STRAIGHT)	30"		24"	5	1		1	5.00	
M4-9R	DETOUR (RIGHT)	30"		24"	5	1		1	5.00	
M4-9L	DETOUR (LEFT)	30"		24"	5	1		1	5.00	
M4-8a	END DETOUR	24"		18"	3	1		1	3.00	
R3-2	NO LEFT TURN (SYMBOL)	24"		24"	4	1		1	4.00	
R11-2	ROAD CLOSED	48"		30"	10	1		1	10.00	
R11-3a	ROAD CLOSED 2 MILES AHEAD	48"		30"	10	1		1	10.00	
CUSTOM	EADY ROAD	36"		18"	5	10		10	45.00	
CUSTOM	EADY ROAD CLOSED	48"		48"	16	1		1	16.00	
W4-2L	LEFT LANE ENDS (SYMBOL)	48"		48"	16		4	4	64.00	
W20-5LM	LEFT LANE CLOSED 1/2 MILE	48"		48"	16		4	4	64.00	
W20-5LF	LEFT LANE CLOSED 1500 FT	48"		48"	16		4	4	64.00	
W20-1	ROAD WORK AHEAD	48"		48"	16		2	2	32.00	
								TOTAL	903	

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107595
STATE OF TENNESSEE

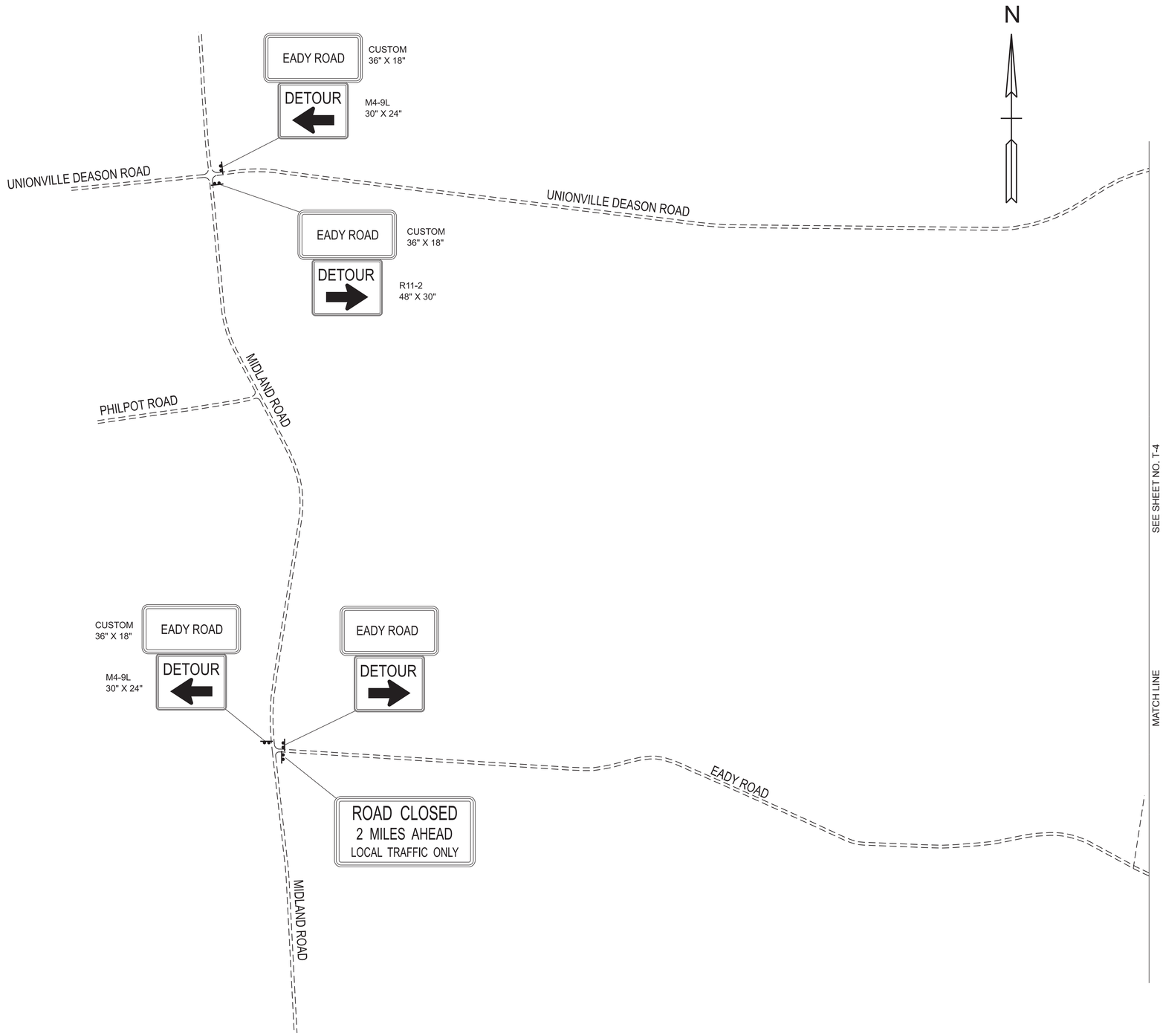
02/12/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PHASING NOTES, LEGEND AND TABULATION

2/11/2025 3:37:33 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROLTAB.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-3
PS&E	2025	HSIP-10(86)	T-3



SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107583
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

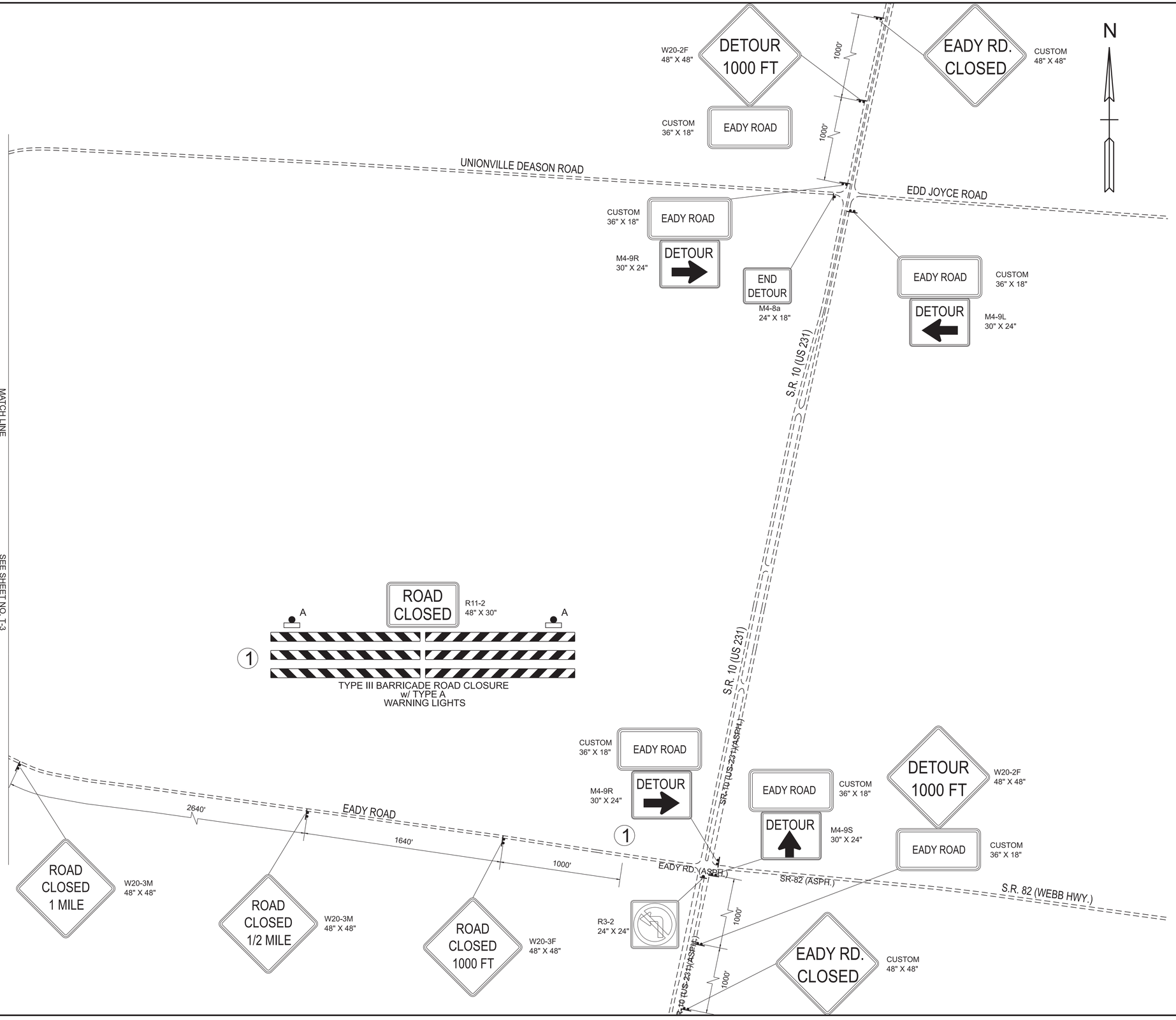
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN

NOT TO SCALE

2/11/2025 3:38:03 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROLDETOUR.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-4
PS&E	2025	HSIP-10(86)	T-4



SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107585
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DETOUR PLAN

NOT TO SCALE

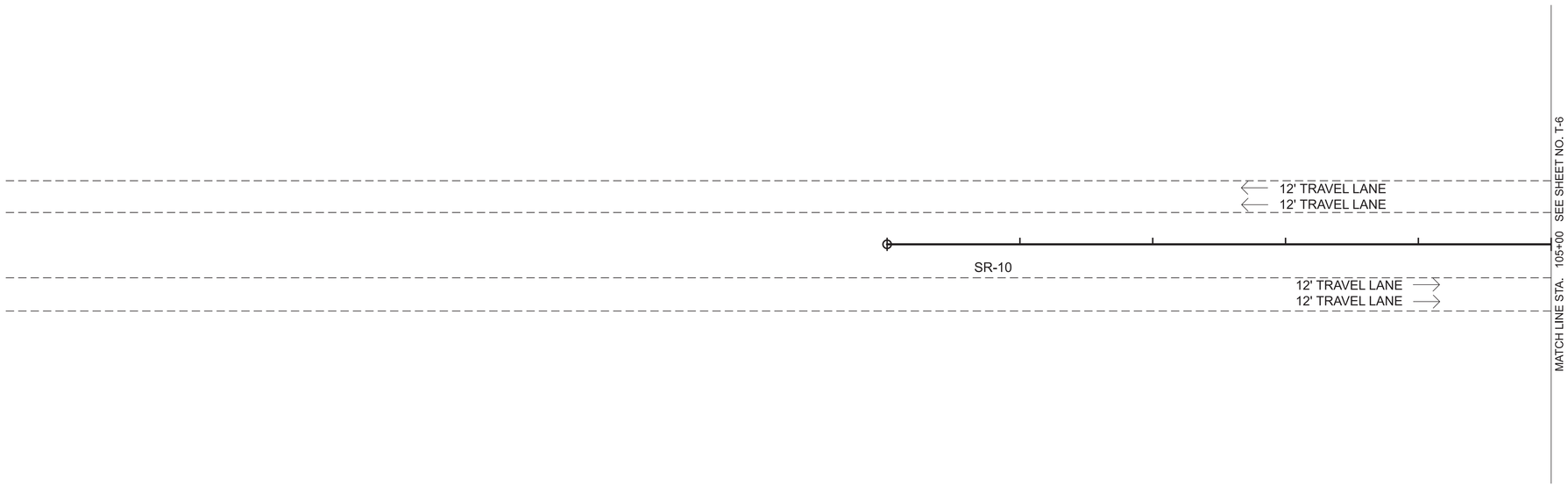
2/11/2025 3:38:04 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROLDETOUR.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-5
PS&E	2025	HSIP-10(86)	T-5

N

100

105



Traffic Control Construction Sequencing Phase 1:
Close the existing outside SR-10 northbound and southbound through lanes.
Build the proposed right turn lanes while maintaining traffic.
Maintain a detour route for Eady Rd. while constructing southbound
right turn lane for SR-10.

PHASE I

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107583
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00007 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

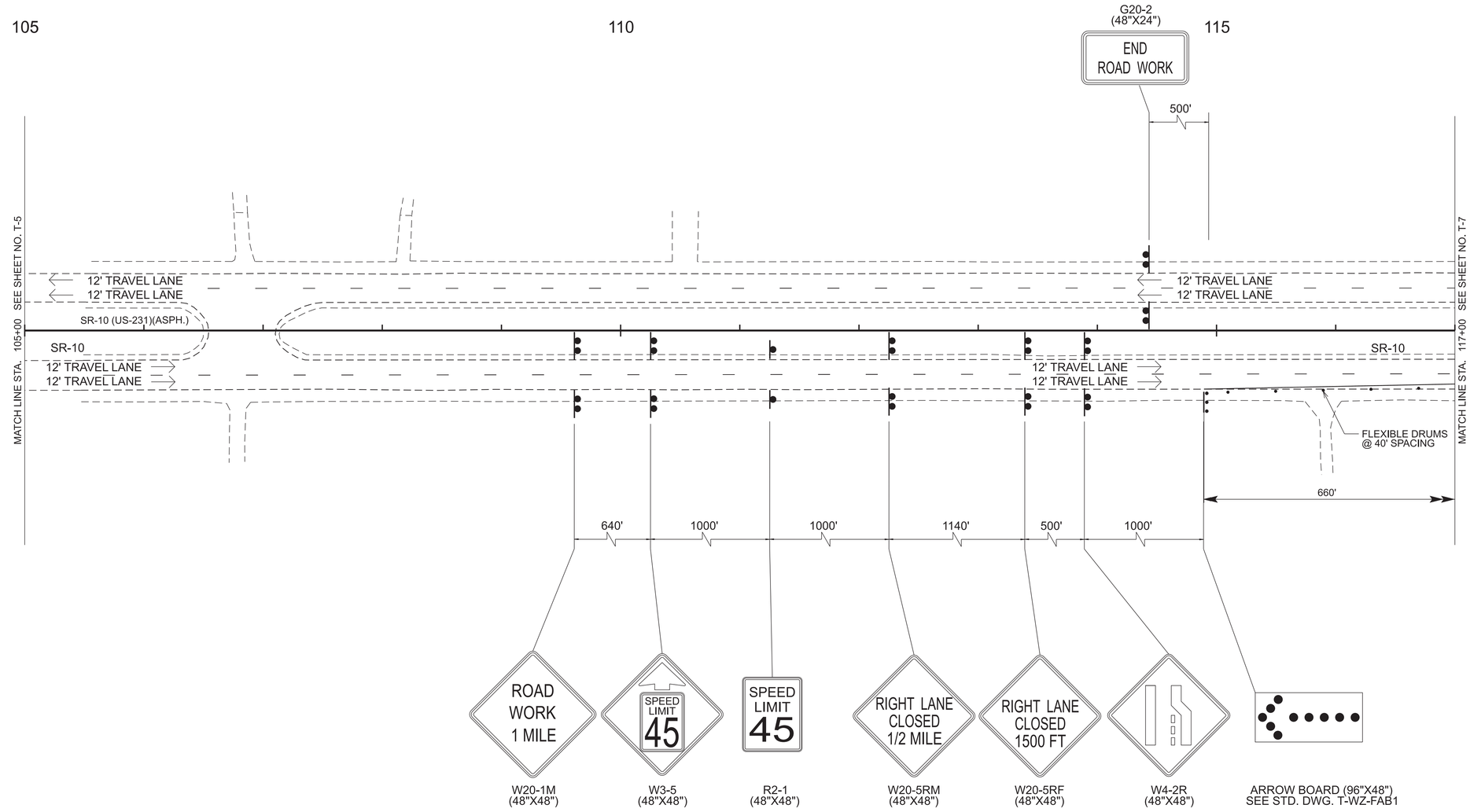
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 93+00 TO STA. 105+00
SCALE: 1" = 50'

2/11/2025 3:38:06 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROL1.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-6
PS&E	2025	HSIP-10(86)	T-6



SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 107585
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00007 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 105+00 TO STA. 117+00
SCALE: 1" = 50'

PHASE I

2/11/2025 3:38:07 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROL1.DGN

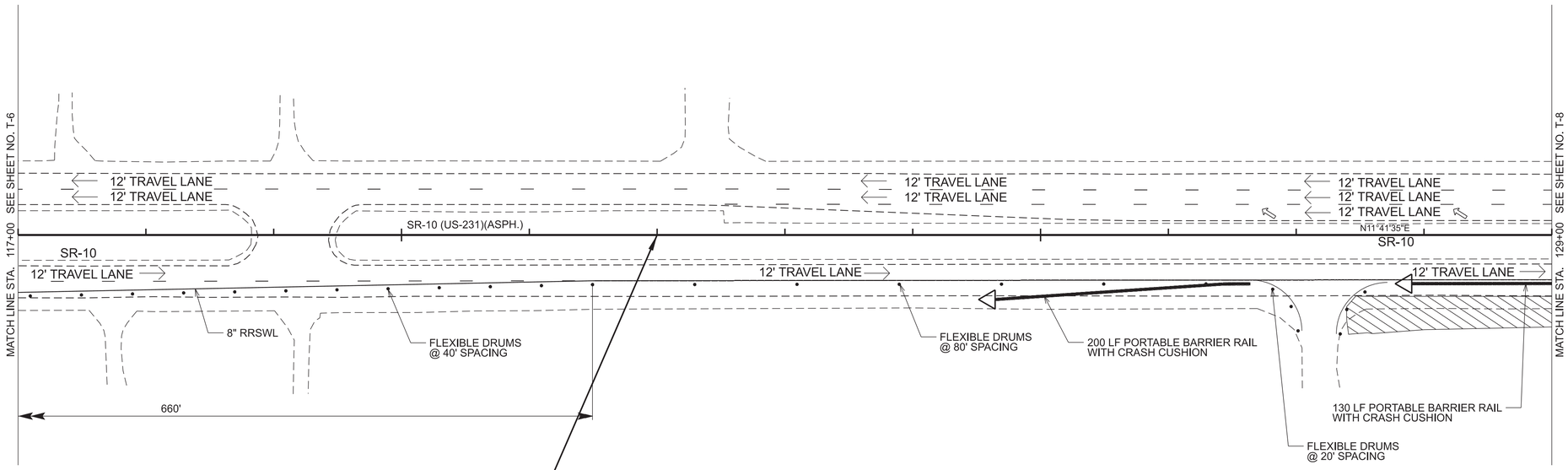
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-7
PS&E	2025	HSIP-10(86)	T-7

N

120

125

WORK ZONE



02S010-F3-002
BEGIN PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 122+00.00
N 456066.7745 E 1837478.2277

02S010-F1-002
BEG. PROJ. NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 122+00.00
N 456066.7745 E 1837478.2277

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107585
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00007 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

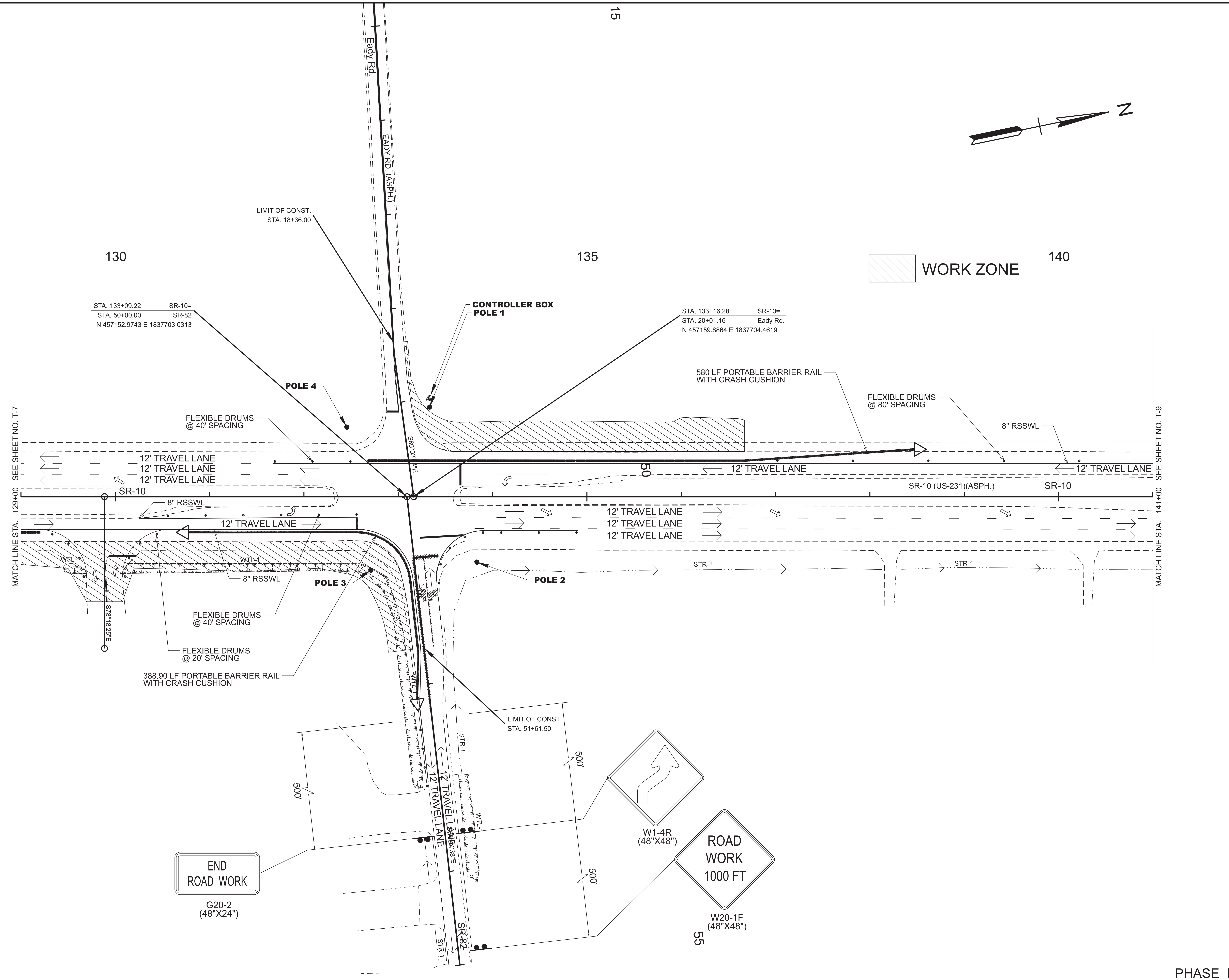
TRAFFIC CONTROL PLANS

STA. 117+00 TO STA. 129+00
SCALE: 1" = 50'

PHASE I

2/11/2025 3:38:08 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROL1.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-8
PS&E	2025	HSIP-10(86)	T-8



SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107382
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

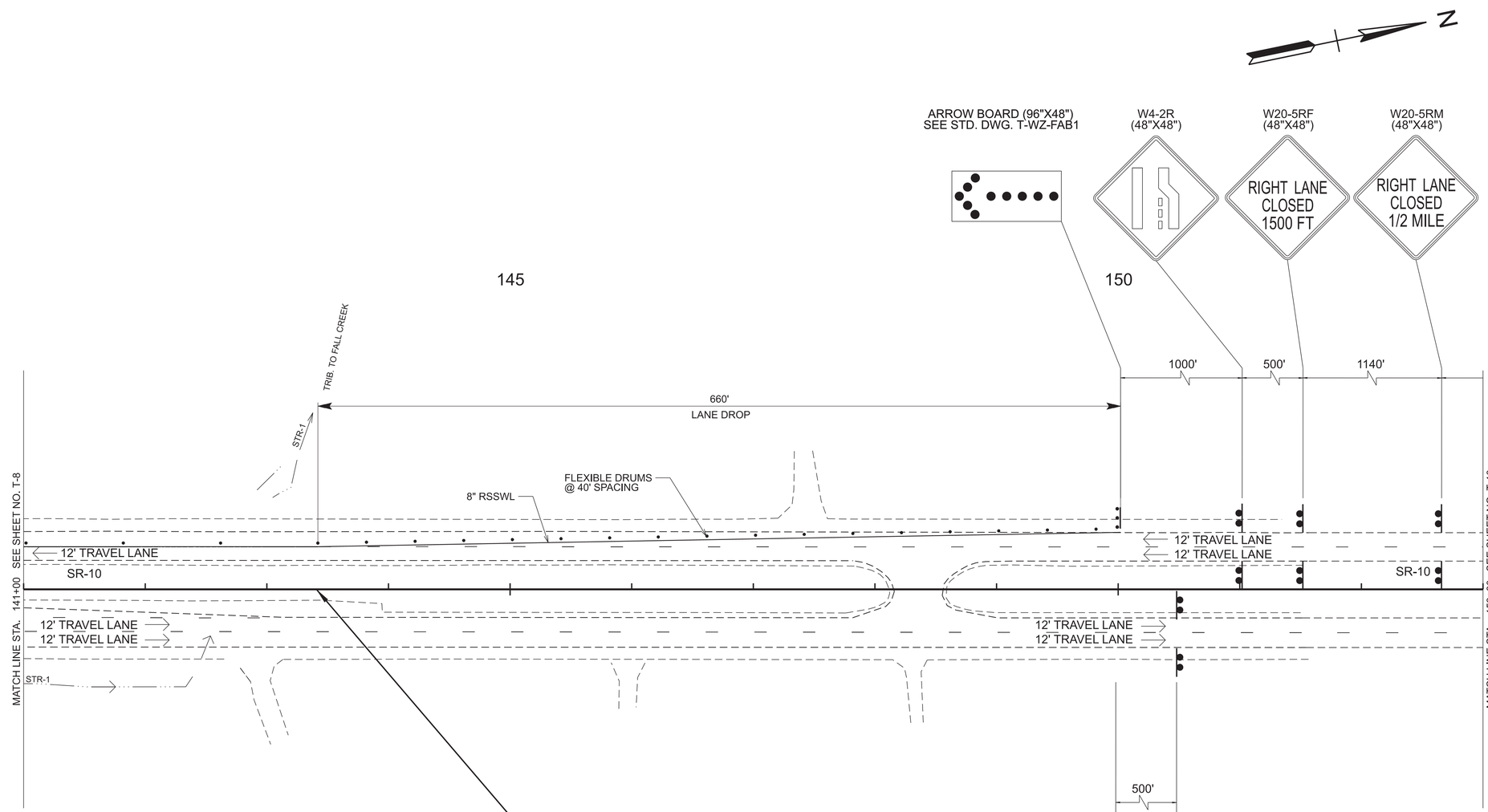
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC
CONTROL
PLANS

PHASE I

STA. 129+00 TO STA. 141+00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-9
PS&E	2025	HSIP-10(86)	T-9



02S010-F3-002
END PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 143+40.72
N 458163.0722 E 1837912.0848

02S010-F1-002
END PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 143+40.72
N 458163.0722 E 1837912.0848

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 107585
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00007 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

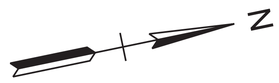
TRAFFIC CONTROL PLANS

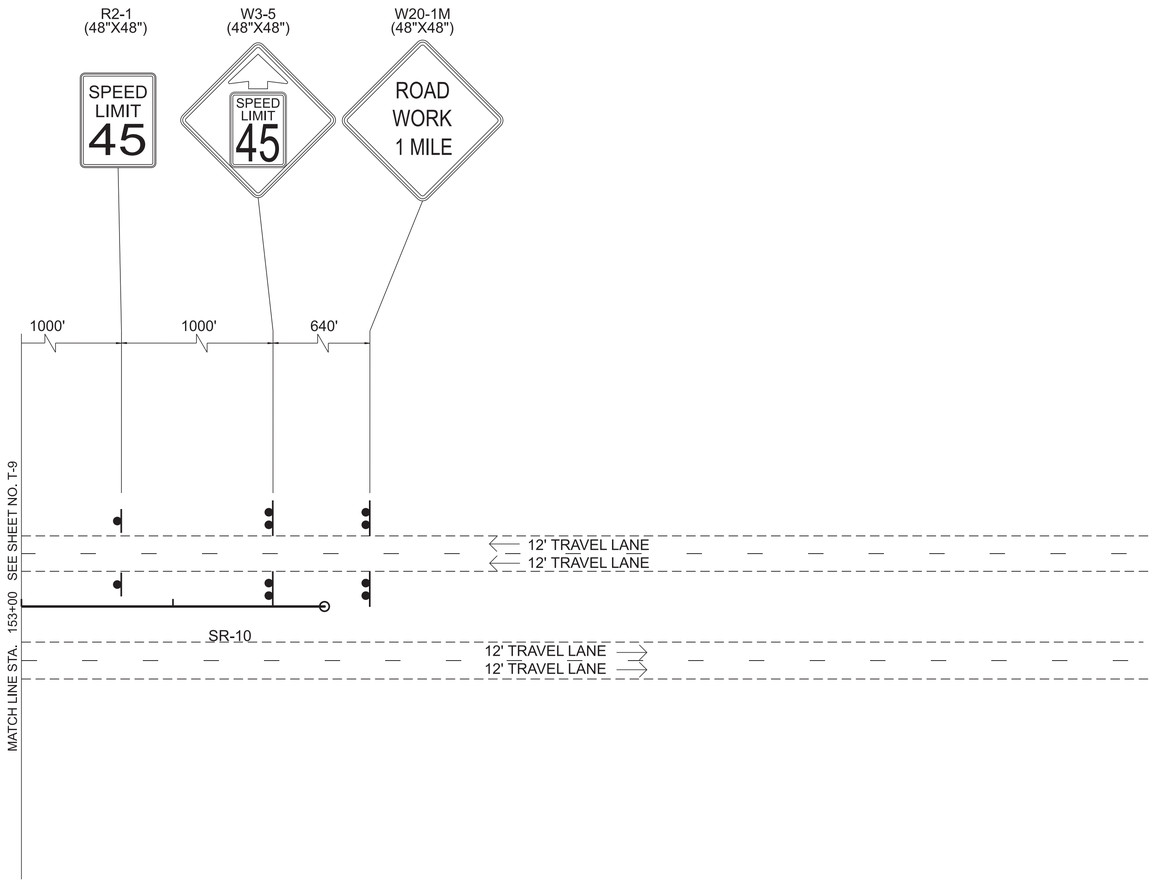
STA. 141+00 TO STA. 153+00
SCALE: 1" = 50'

PHASE I

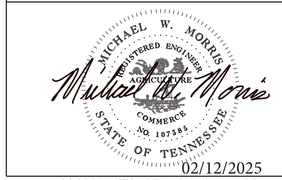
2/11/2025 3:38:10 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROL1.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-10
PS&E	2025	HSIP-10(86)	T-10





SEALED BY



02/12/2025

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00007 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 153+00 TO STA. 165+00
SCALE: 1" = 50'

PHASE I

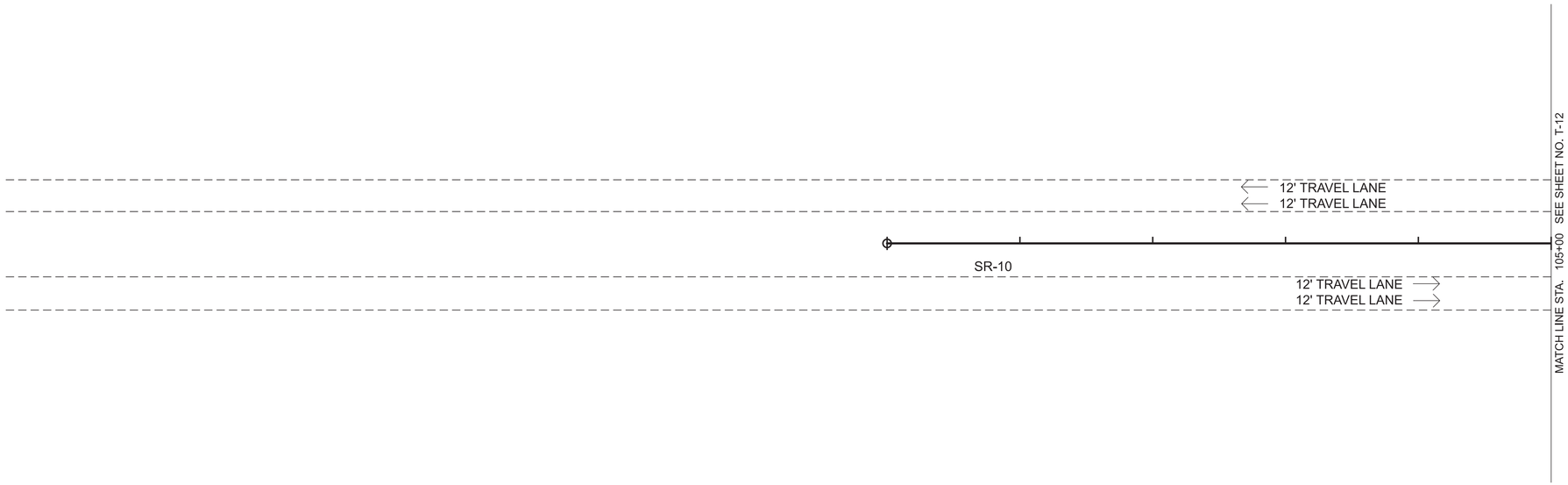
2/11/2025 3:38:11 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROL1.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-11
PS&E	2025	HSIP-10(86)	T-11

N

100

10



Traffic Control Construction Sequencing Phase 2:
Close the existing inside SR-10 northbound and southbound through lanes.
Build the proposed left turn lanes while maintaining traffic.
Then mill the existing lanes and shoulders and overlay the entire project
within the construction limits. Then install the permanent pavement markings.

PHASE II

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
SIGNATURE
DEPARTMENT OF COMMERCE
NO. 107588
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00007 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 93+00.00 TO STA. 105+00.00
SCALE: 1" = 50'

2/11/2025 3:38:12 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROL II.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-12
PS&E	2025	HSIP-10(86)	T-12

N

)5

110

115

G20-2
(48"X24")
END
ROAD WORK

500'

MATCH LINE STA. 105+00 SEE SHEET NO. T-11

12' TRAVEL LANE
12' TRAVEL LANE
SR-10 (US-231)(ASPH.)
SR-10
12' TRAVEL LANE
12' TRAVEL LANE

12' TRAVEL LANE
12' TRAVEL LANE
SR-10

MATCH LINE STA. 117+00 SEE SHEET NO. T-13

8" RSSWL

FLEXIBLE DRUMS
@ 40' SPACING

640' 1000' 1000' 1140' 500' 1000' 660'
LANE DROP

ROAD WORK 1 MILE
W20-1M (48"X48")

SPEED LIMIT 45
W3-5 (48"X48")

SPEED LIMIT 45
R2-1 (36"X48")

LEFT LANE CLOSED 1/2 MILE
W20-5LM (48"X48")

LEFT LANE CLOSED 1500 FT
W20-5LF (48"X48")

W4-2L (48"X48")

ARROW BOARD (96"X48")
SEE STD. DWG. T-WZ-FAB1

PHASE II

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107595
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00007 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

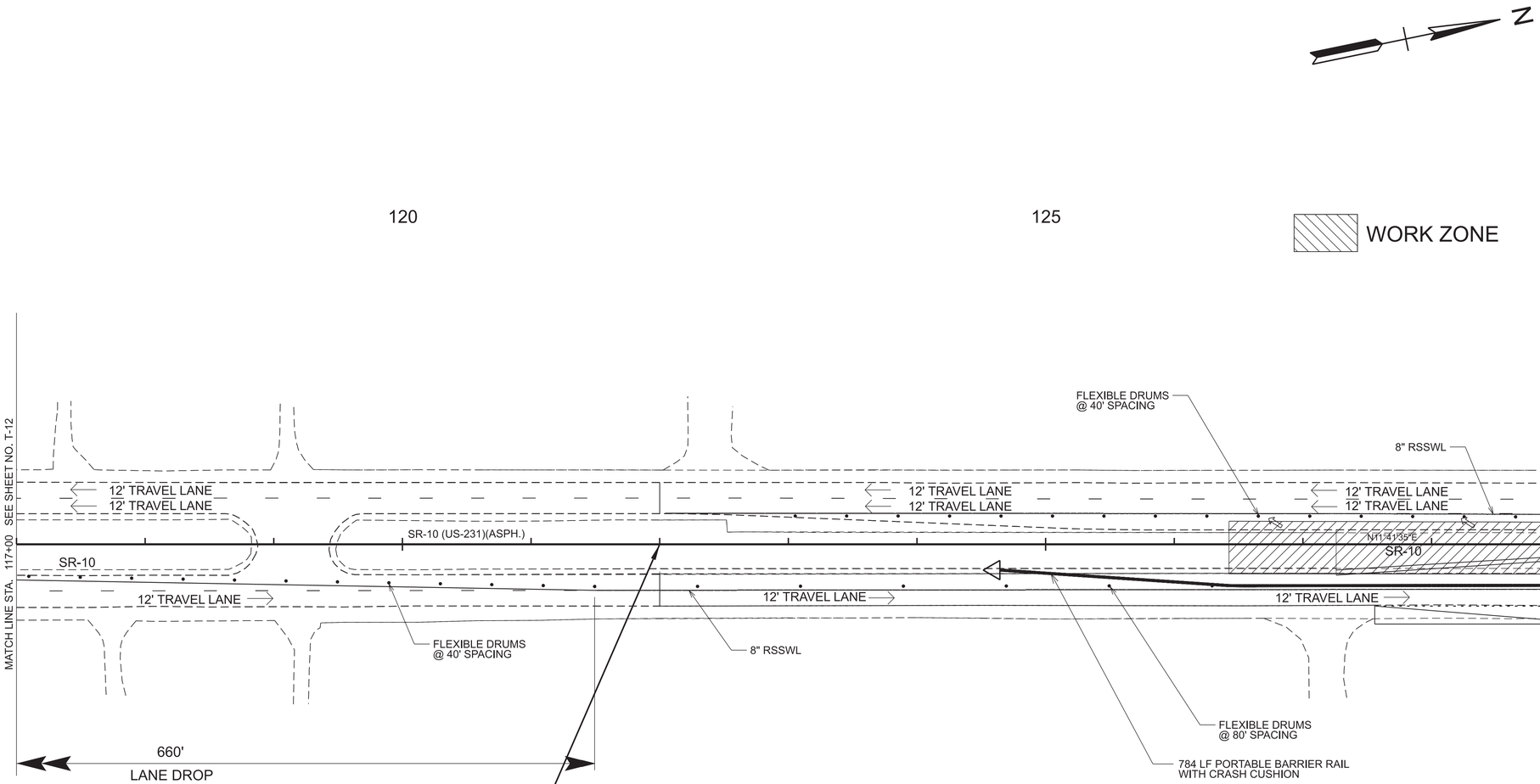
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 105+00.00 TO STA. 117+00.00
SCALE: 1" = 50'

2/11/2025 3:38:13 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROL II.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-13
PS&E	2025	HSIP-10(86)	T-13



02S010-F3-002
BEGIN PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 122+00.00
N 456066.7745 E 1837478.2277

02S010-F1-002
BEG. PROJ. NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 122+00.00
N 456066.7745 E 1837478.2277

SEALED BY

MICHAEL W. MORRIS — REGISTERED ENGINEER — AGRICULTURE COMMERCE — NO. 107388 — STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 117+00.00 TO STA. 129+00.00
SCALE: 1" = 50'

PHASE II

2/11/2025 3:38:14 PM
Y:\PROJECTS\00150000018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROL II.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-14
PS&E	2025	HSIP-10(86)	T-14

15

ROAD WORK AHEAD

W20-1
(48"X48")

Eady Rd.

EADY RD (ASPH.)

END ROAD WORK

G20-2
(48"X24")

N

LIMIT OF CONST.
STA. 18+36.00

130

500'

135

500'

WORK ZONE

140

STA. 133+09.22 SR-10=
STA. 50+00.00 SR-82
N 457152.9743 E 1837703.0313

CONTROLLER BOX
POLE 1

STA. 133+16.28 SR-10=
STA. 20+01.16 Eady Rd.
N 457159.8864 E 1837704.4619

FLEXIBLE DRUMS
@ 40' SPACING

POLE 4

834 LF PORTABLE BARRIER RAIL
WITH CRASH CUSHIONS

8" RSSWL

8" RSSWL

S86°03'04"E

12' TRAVEL LANE
12' TRAVEL LANE

12' TRAVEL LANE

SR-10

SR-10 (US-231)(ASPH.)

SR-10

50

12' TRAVEL LANE
12' TRAVEL LANE

12' TRAVEL LANE
12' TRAVEL LANE

12' TRAVEL LANE

MATCH LINE STA. 129+00 SEE SHEET NO. T-13

MATCH LINE STA. 141+00 SEE SHEET NO. T-15

WTL-1

WTL-1

8" RSSWL

784 LF PORTABLE BARRIER RAIL
WITH CRASH CUSHIONS

S78°18'25"E

POLE 3

STR-1

STR-1

POLE 2

FLEXIBLE DRUMS
@ 40' SPACING

500'

500'

LIMIT OF CONST.
STA. 51+61.50

STR-1

12' TRAVEL LANE

12' TRAVEL LANE

WTL-1

S84°14'38"E

ROAD WORK AHEAD

W20-1
(48"X48")

END ROAD WORK

G20-2
(48"X24")

SR-82

STR-1

55

PHASE II

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107584
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00007 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 18.

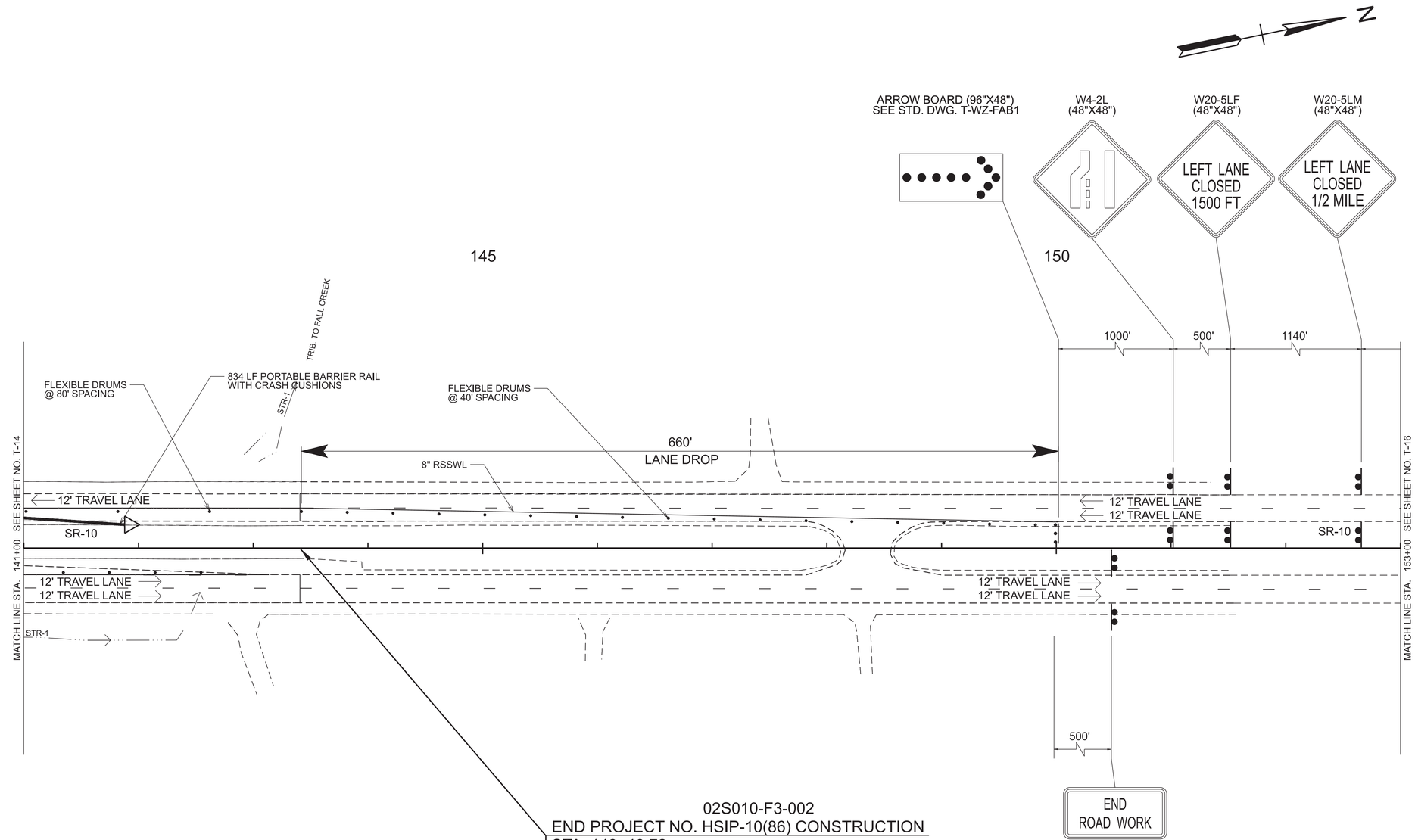
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 129+00.00 TO STA. 141+00.00
SCALE: 1" = 50'

2/11/2025 3:38:15 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROL II.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-15
PS&E	2025	HSIP-10(86)	T-15



02S010-F3-002
END PROJECT NO. HSIP-10(86) CONSTRUCTION
STA. 143+40.72
N 458163.0722 E 1837912.0848

02S010-F1-002
END PROJECT NO. HSIP-10(86) R.O.W. (UTILITIES ONLY)
STA. 143+40.72
N 458163.0722 E 1837912.0848

SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107584
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

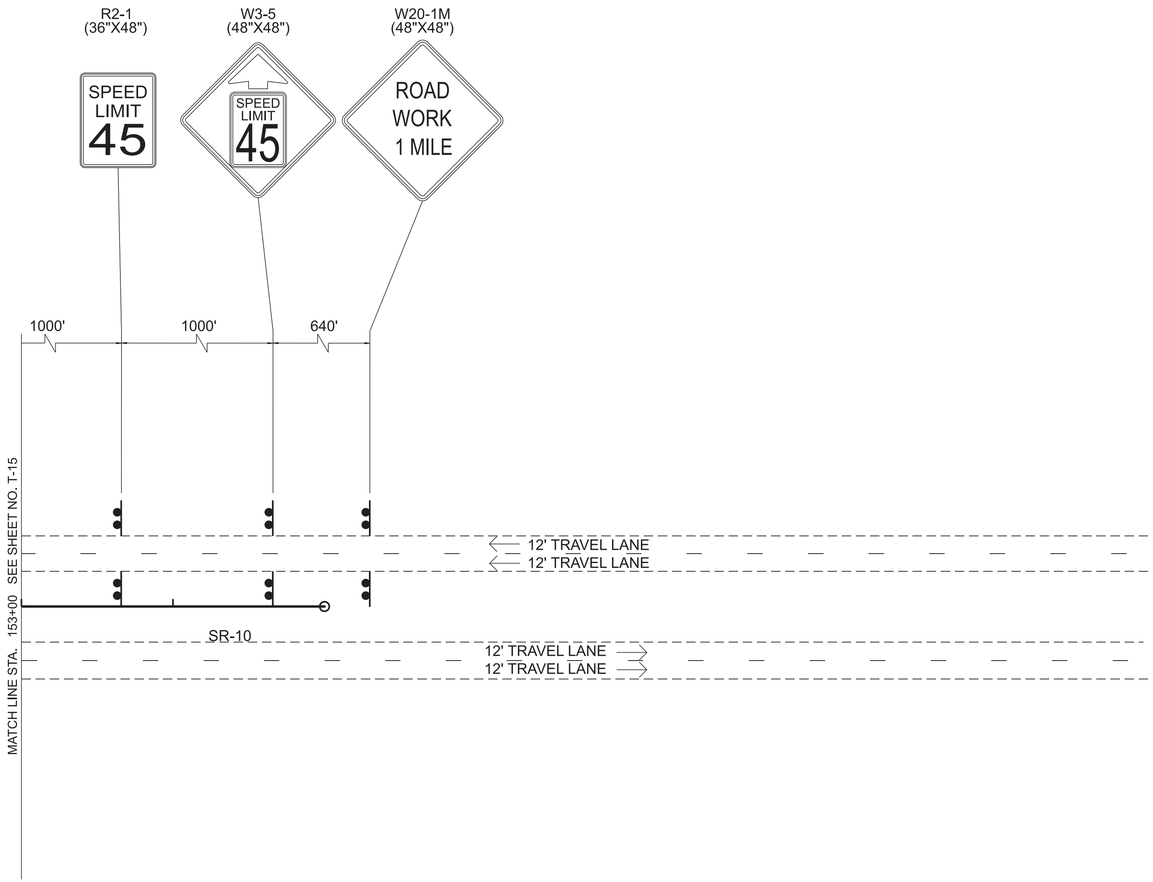
TRAFFIC CONTROL PLANS

STA. 141+00.00 TO STA. 153+00.00
SCALE: 1" = 50'

PHASE II

2/11/2025 3:38:16 PM
Y:\PROJECTS\0015000\0018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROL II.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-10(86)	T-16
PS&E	2025	HSIP-10(86)	T-16



SEALED BY

MICHAEL W. MORRIS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 107384
STATE OF TENNESSEE

02/12/2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 153+00.00 TO STA. 165+00.00
SCALE: 1" = 50'

PHASE II

2/11/2025 3:38:17 PM
Y:\PROJECTS\00150000018000\18023 TDOT - ON-CALL TRAFFIC 22-27\18023.005 SR10 BEDFORD\DGN\02S010-03-SHT-TRAFFICCONTROL II.DGN

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	HSIP-10(86)	S-1

SWPPP INDEX OF SHEETS

NOTE: CITATIONS IN PARENTHESIS INDICATE SECTIONS OF THE CURRENT CGP.

1. SWPPP REQUIREMENTS (5.0.)

1.1. HAS THE SWPPP TEMPLATE BEEN PREPARED BY AN INDIVIDUAL THAT HAS THE FOLLOWING LICENSING AND/OR CERTIFICATIONS (5.2)?

☒ YES (CHECK ALL THAT APPLY BELOW) OR ☐ NO

- ☐ CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC)
- ☒ A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT
- ☒ HAS SUCCESSFULLY COMPLETED TDEC LEVEL II COURSE

1.2. DO THE EPSC PLANS INVOLVE STRUCTURAL DESIGN, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS FOR EPSC STRUCTURAL MEASURES (E.G. SEDIMENT BASINS) (5.2.)? YES ☐ NO ☒

IF YES, HAVE THE EPSC PLANS BEEN PREPARED, STAMPED AND CERTIFIED BY A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT? ☐ YES ☐ NO

1.3. DO THE PROJECT STORMWATER OUTFALLS DISCHARGE INTO THE FOLLOWING (6.4.1.)? ☐ YES (CHECK ALL THAT APPLY BELOW) ☒ NO

- ☐ WATERS WITH UNAVAILABLE PARAMETERS (303d FOR SILTATION)
- ☐ EXCEPTIONAL TENNESSEE WATERS (ETW)

2. SITE DESCRIPTION (5.5.1.)

2.1. PROJECT LIMITS (5.5.1.f): REFER TO TITLE SHEET

2.2. TOTAL PROJECT AREA (5.5.1.b): PIN 131795.00 – 5.973 ACRES

2.3. TOTAL AREA TO BE DISTURBED (5.5.1.b): PIN 131795.00 - 1.805 ACRES

2.4. PROJECT DESCRIPTION (5.5.1.a):

TITLE: SR-10 (US-231), INTERSECTION AT SR-82 (SAWNEY WEBB MEMORIAL HWY)
COUNTY: BEDFORD
PIN: 131795.00

2.5. SITE MAP(S) (3.2.2.): REFER TO TITLE SHEET

2.6. DESCRIPTION OF EXISTING SITE TOPOGRAPHY (5.5.1.c): REFER TO EXISTING CONTOURS ON SHEETS 16-18, DRAINAGE MAP ON SHEET 11, USGS QUAD MAP, AND THE OUTFALL TABLE IN SECTION 4.2.

2.7. MAJOR SOIL DISTURBING ACTIVITIES (5.5.1.a) (CHECK ALL THAT APPLY):

- ☒ CLEARING AND GRUBBING
- ☒ EXCAVATION
- ☒ CUTTING AND FILLING
- ☒ FINAL GRADING AND SHAPING
- ☐ UTILITIES
- ☐ OTHER (DESCRIBE): _____

2.8. NO MORE THAN 50 ACRES OF ACTIVE SOIL DISTURBANCE IS ALLOWED AT ANY TIME DURING THE CONSTRUCTION OF THE PROJECT.

2.9. ARE THERE ANY SEASONAL LIMITATIONS ON WORK? ☐ YES ☒ NO

IF YES, LIST THE CORRESPONDING PLAN SHEET: _____

2.10. WAS ROW FINALIZED PRIOR TO FEBRUARY 1, 2010 (4.1.2.2)?

☐ YES _____ (DATE) ☒ NO

IF ROW WAS FINALIZED PRIOR TO FEBRUARY 1, 2010, THIS PROJECT IS CONSIDERED A PRE-APPROVED SITE (4.1.2.2)

2.11. SOIL PROPERTIES (5.5.1.d, 5.5.3.3.d, 5.5.3.6.b).

SOIL PROPERTIES FOR THE PRIMARY SOILS ARE LISTED IN THE TABLE BELOW.

SOIL PROPERTIES			
PRIMARY SOIL NAME	**HSG**	**% OF SITE**	**ERODIBILITY (k value)**
AGEE SILTY CLAY LAM, FREQUENTLT FLOODED	Ag	66.7	0.28
CAPSHAW SILT LOAM, 2 TO 5 PERCENT SLOPE	CaB	33.3	0.43

2.12. IS ACID PRODUCING ROCK (APR) (i.e. PYRITE) LOCATED WITHIN THE PROJECT LIMITS? ☐ YES ☒ NO

2.12.1. IF YES TO SECTION 2.13, HAVE APR LOCATIONS BEEN IDENTIFIED WITHIN THE CONSTRUCTION PLANS AND/OR THE GEOTECHNICAL REPORT? ☐ YES ☐ NO; AND

2.12.2. IF YES TO SECTION 2.12.1, HAS A SPECIAL HANDLING PLAN AND/OR ADAPTIVE MANAGEMENT PLAN (AMP) BEEN PREPARED FOR THE PROJECT? ☐YES ☐ NO ☐ N/A (TDOT SP107L WILL BE APPLIED.)

2.13. PROJECT RUNOFF COEFFICIENTS AND AREA PERCENTAGES (5.5.3.6.a).

RUNOFF COEFFICIENTS FOR PRE-CONSTRUCTION CONDITIONS			
AREA TYPE	**AREA(AC)**	**PERCENTAGE OF TOTAL AREA (%)**	**C FACTOR**
IMPERVIOUS	4.87	81.6	0.9
PERVIOUS	1.1	18.4	0.35
WEIGHTED C-FACTOR =			0.797

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS			
AREA TYPE	**AREA(AC0.91)**	**PERCENTAGE OF TOTAL AREA (%)**	**C FACTOR**
IMPERVIOUS	5.462	91.4	0.9
PERVIOUS	0.5	8.6	0.35
WEIGHTED C-FACTOR =			0.853

3. ORDER OF CONSTRUCTION ACTIVITIES (5.5.1.a)

CONSTRUCTION SHALL BE SEQUENCED AND STAGED TO: MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED SOIL AREAS, PRESERVE TOPSOIL, AND MINIMIZE SOIL COMPACTION. NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE ORDER OF CONSTRUCTION ACTIVITIES AND THE BASIC EPSC DEVICES DEPICTED ON THE EPSC PLAN CONTAINED WITHIN THE APPROVED SWPPP.

3.1. SPECIAL SEQUENCING REQUIREMENTS (SEE SHEETS N/A)

3.2. INSTALL STABILIZED CONSTRUCTION EXITS.

3.3. INSTALL PERIMETER PROTECTION WHERE RUNOFF SHEET FLOWS FROM THE SITE.

3.4. INSTALL INITIAL EPSC MEASURES BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CULVERT OR BRIDGE CONSTRUCTION, CUTTING, FILLING, OR ANY OTHER EARTHWORK OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.

3.5. PERFORM CLEARING AND GRUBBING (NOT MORE THAN TWO WEEKS PRIOR TO GRADING OR EARTH-MOVING. REFER TO THE STABILIZATION PRACTICES BELOW.).

3.6. REMOVE AND STORE TOPSOIL.

3.7. STABILIZE DISTURBED AREAS WITHIN 2 WEEKS OF COMPLETING ANY STAGE AND/OR PHASE OF ACTIVITY (STEEP SLOPES SHALL BE STABILIZED WITHIN 1 WEEK AFTER CONSTRUCTION ACTIVITY HAS TEMPORARY OR PERMANENTLY CEASED).

3.8. INSTALL STORM SEWERS AND CULVERTS.

3.9. INSTALL INLET AND CULVERT PROTECTION ONCE STRUCTURES ARE IN PLACE AND CAPABLE OF INTERCEPTING FLOW.

3.10. PERFORM FINAL GRADING AND INSTALL BASE STONE.

3.11. COMPLETE FINAL PAVING AND SEALING OF CONCRETE.

3.12. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.

3.13. COMPLETE PERMANENT STABILIZATION (TOPSOIL, SEEDING, MULCH, EROSION CONTROL BLANKET, SOD, ETC.)

3.14. REMOVE TEMPORARY EROSION CONTROLS AND ACCUMULATED SEDIMENT FROM AREAS THAT HAVE ESTABLISHED AT LEAST 70 PERCENT UNIFORM PERMANENT VEGETATIVE COVER.

3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

4. STREAM, OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION

4.1. STREAM INFORMATION (5.5.1.h, 5.5.1.i)

4.1.1. WILL CONSTRUCTION AND/OR EROSION PREVENTION AND SEDIMENT CONTROLS IMPACT ANY STREAMS WITHIN THE PROJECT LIMITS? ☐ YES ☒ NO

IF YES, THE IMPACT(S) HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE WATER QUALITY PERMITS.

4.1.2. HAVE ANY OF THE RECEIVING STATE WATERS LESS THAN OR EQUAL TO 1 FLOW MILE DOWN GRADIENT OF THE PROJECT LIMITS BEEN CLASSIFIED BY TDEC AS FOLLOWS (CHECK ALL THAT APPLY):

- ☐ 303d WITH UNAVAILABLE PARAMETERS FOR SILTATION
- ☐ EXCEPTIONAL TENNESSEE WATERS (ETW)

4.1.3. RECEIVING WATERS OF THE STATE (5.5.1.h, 5.5.1.j, 5.5.1.k).

RECEIVING WATERS OF THE STATE INFORMATION					
TDOT STATE WATER LABEL FROM EBR	**NAME OF RECEIVING STATE WATER**	**303d WITH UNAVAILABLE PARAMETERS FOR SILTATION (YES OR NO)**	**ETW (YES OR NO)**	**LOCATED WITHIN PROJECT LIMITS (YES OR NO)**	**LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)**
STR-1	HUTTON CREEK	NO	NO	NO	YES

4.1.4. RECEIVING WATERS OF THE US (NON STATE WATERS) (4.1.2). LIST ANY FEATURE THAT IS IDENTIFIED AS A WET WEATHER CONVEYANCE (TDEC) AND IDENTIFIED AS WATERS OF THE US BY THE ARMY CORPS OF ENGINEERS.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TENNESSEE D.O.T. | DESIGN DIVISION | FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	HSIP-10(86)	S-2

WET WEATHER CONVEYANCES THAT ARE WATERS OF THE US		
TDOT STATE WATER LABEL FROM EBR	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)
N/A	N/A	N/A

4.1.5. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES REQUIRED FOR WATERS OF THE STATE? (5.5.1.l, 6.4.2.)

☐ YES ☒ NO

BUFFER ZONE REQUIREMENTS ARE NOT REQUIRED FOR PRE-APPROVED SITES (4.1.2.2.)

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) _____.

IF YES, CHECK THE APPROPRIATE BOX BELOW FOR SIZE OF BUFFER.

☐ 60-FEET FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS (ETW) (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 30-FEET).

A 60 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STATE STREAM WITH THIS DESIGNATION SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 30 FEET AT ANY MEASURED LOCATION. IF THE CONSTRUCTION SITE ENCOMPASSES BOTH SIDES OF A STREAM, BUFFER AVERAGING CAN BE APPLIED TO BOTH SIDES, BUT MUST BE APPLIED INDEPENDENTLY.

☐ 30-FEET FOR ALL OTHER STREAMS (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 15-FEET).

A 30 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STATE STREAM SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 30 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 15 FEET AT ANY MEASURED LOCATION. IF THE CONSTRUCTION SITE ENCOMPASSES BOTH SIDES OF A STREAM, BUFFER AVERAGING CAN BE APPLIED TO BOTH SIDES, BUT MUST BE APPLIED INDEPENDENTLY.

☐ 15-FEET FOR ANY WET WEATHER CONVEYANCES IDENTIFIED AS WATERS OF THE US BY THE US ARMY CORPS OF ENGINEERS.

4.1.6. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES NOT REQUIRED FOR STATE WATERS DUE TO A TDEC ARAP? (1.5.2.)

☐ YES ☒ NO

4.1.7. ARE THERE WATER QUALITY RIPARIAN BUFFER ZONE EXEMPTIONS? (4.1.2.1.) ☐ YES ☒ NO

IF YES, EXISTING CONDITIONS DESCRIPTION:_____

4.1.8. EVERY ATTEMPT SHOULD BE MADE FOR CONSTRUCTION ACTIVITIES TO NOT TAKE PLACE WITHIN THE WATER QUALITY RIPARIAN BUFFER ZONE AND FOR EXISTING FORESTED AREAS TO BE PRESERVED. (4.1.2., 6.4.2.)

4.1.9. BECAUSE OF HEAVY SEDIMENT LOAD ASSOCIATED WITH CONSTRUCTION SITE RUNOFF, WATER QUALITY RIPARIAN BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE WATER QUALITY RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA.

4.1.10. WHERE IT IS NOT PRACTICABLE TO MAINTAIN A FULL WATER QUALITY RIPARIAN BUFFER, BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MUST BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CGP. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

4.2. OUTFALL INFORMATION

4.2.1. OUTFALL TABLE (5.5.1.c). SEE SWPPP SHEET S-8 FOR OUTFALL INFORMATION.

4.2.2. HAVE ALL OUTFALLS BEEN LABELED ON THE EPSC PLAN SHEETS (5.5.1.f)? ☒ YES ☐ NO

4.2.3. HAVE ALL OUTFALLS BEEN LABELED ON A USGS TOPOGRAPHIC MAP INCLUDED IN THE "DOCUMENTATION AND PERMITS" BINDER (3.2.2.)? ☒YES ☐ NO

4.2.4. WHERE POSSIBLE, HAS NON-PROJECT RUN-ON BEEN DIVERTED AROUND OR THROUGH THE PROJECT TO ELIMINATE CONTACT WITH DISTURBED AREAS OF THE PROJECT AND SEPARATE IT FROM PROJECT RUN-OFF THEREBY REDUCING THE DRAINAGE AREA OF TO THE OUTFALLS IN THIS AREA?

☐ YES ☐ NO ☒ N/A

4.2.5. ARE EQUIVALENT MEASURES BEING SUBSTITUTED FOR A SEDIMENT BASIN(S) OR SEDIMENT TRAP(S)? (5.5.3.5.)

☐ YES ☒ NO ☐ N/A

4.2.6. A SEDIMENT BASIN, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:

OF TEN ACRES OR MORE FOR AN OUTFALL(S) THAT DOES NOT DISCHARGE TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN OR EQUIVALENT CONTROL MEASURES THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A MINIMUM 2-YEAR/ 24-HOUR STORM EVENT, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (5.5.3.5)

OR

OF FIVE ACRES OR MORE FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/ 24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (6.4.1.e).

ALL CALCULATIONS RELATED TO DRAINAGE AREAS, RUNOFF COEFFICIENTS, BASIN VOLUMES AND EQUIVALENT CONTROL MEASURES MUST BE PROVIDED IN THE SWPPP (5.5.3.5.)

4.2.7. A SEDIMENT TRAP, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:

OF 3.5 - 4.9 ACRES FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS (303d SILTATION) OR EXCEPTIONAL TENNESSEE WATERS (ETW). A SEDIMENT TRAP THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (6.4.1.f).

IN BOTH INSTANCES, THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS.

4.2.8. SEDIMENT STRUCTURES TREATING DRAINAGE AREAS IN EXCESS OF 25 ACRES REQUIRE A SITE-SPECIFIC DESIGN THAT ACCURATELY DEFINES THE SITE HYDROLOGY, SITE-SPECIFIC SEDIMENT LOADING, HYDRAULICS OF THE SITE, AND ADHERES TO ALL TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK DESIGN RECOMMENDATIONS FOR SEDIMENT BASINS. (5.5.3.5.)

4.3. WETLAND INFORMATION

WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROLS IMPACT ANY WETLANDS? ☒ YES ☐ NO

IF YES, THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND IN THE WATER QUALITY PERMITS.

WETLAND INFORMATION				
TDOT WETLAND LABEL	FROM STATION LT OR RT	TO STATION LT OR RT	TEMPORARY IMPACTS (AC)	PERMANENT IMPACTS (AC)
WTL-1	SR-10 – 129+50 (RT)	SR-10 – 133+00 (RT)	0.000	0.078

4.4. TOTAL MAXIMUM DAILY LOADS (TMDL) INFORMATION (1.3.j)

4.4.1. IS THIS PROJECT LOCATED IN A HUC-8 WATERSHED THAT MAINTAINS AN EPA APPROVED TMDL FOR SILTATION AND HABITAT ALTERATION?

☐YES ☒ NO

4.4.2. IF YES, IS THIS PROJECT LOCATED WITHIN A HUC-12 SUBWATERSHED WITH A WASTE LOAD ALLOCATION (WLA)?

☐ YES ☐ NO

4.4.3. IF YES, DOES THE PROJECT HAVE A DIRECT DISCHARGE TO A 303(d) LISTED STREAM FOR SILTATION?

☐ YES ☐ NO

IF YES, SWPPP INCORPORATES MEASURES OR CONTROLS CONSISTENT WITH THE ASSUMPTIONS AND REQUIREMENTS OF THE TMDL.

4.5. ECOLOGY INFORMATION (3.5.5.e)

DOES THE TDOT ENVIRONMENTAL BOUNDARIES REPORT SPECIFY SPECIAL NOTES TO BE ADDED TO THE PLAN SHEETS?

☐ YES ☒ NO

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) N/A.

4.6. ENVIRONMENTAL COMMITMENTS

ARE THERE ANY NOTES ON THE ENVIRONMENTAL COMMITMENT SHEET?

☐ YES ☒ NO

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) N/A.

5. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES (5.5.3.)

5.1. EPSC MEASURES MUST BE DESIGNED, INSTALLED AND MAINTAINED TO CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE EROSION (4.1.1).

5.2. EPSC MEASURES MUST CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOWS AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS, STREAM CHANNELS, AND STREAM BANKS. (4.1.1)

5.3. HAVE THE CONTROL MEASURES BEEN DESIGNED PER THE SIZE AND SLOPE OF THE DISTURBED DRAINAGE AREA (5.5.3.5.)?

☒YES ☐ NO

5.4. THE CONTROL MEASURES HAVE, AT A MINIMUM, BEEN DESIGNED FOR THE 2-YEAR, 24 HOUR STORM EVENT (5.5.3.5., 6.4.1.b).

5.5. ARE THE LIMITS OF DISTURBANCE CLEARLY MARKED ON THE EPSC PLANS (5.5.1.f)? ☒ YES ☐ NO

5.6. AREAS TO BE UNDISTURBED SHALL BE CLEARLY MARKED IN THE FIELD BEFORE CONSTRUCTION ACTIVITIES BEGIN.

5.7. UNLESS OTHERWISE NOTED IN THE PLANS, THE CONTRACTOR SHALL NOT CLEAR/DISTURB ANY AREA BEYOND 15 FEET FROM SLOPE LINES OR ROW/ EASEMENT LINE, WHICHEVER IS LESSER.

5.8. CLEARING, GRUBBING, AND OTHER DISTURBANCE TO RIPARIAN VEGETATION SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR SLOPE CONSTRUCTION AND EQUIPMENT OPERATIONS. EXISTING VEGETATION, INCLUDING STREAM AND WETLAND BUFFERS (UNLESS PERMITTED), SHOULD BE PRESERVED TO THE MAXIMUM EXTENT POSSIBLE. UNNECESSARY VEGETATION REMOVAL IS PROHIBITED.

5.9. HAS A THREE STAGED EPSC PLAN BEEN PREPARED FOR THE PROJECT (5.5.2.)?

YES ☒ NO ☐

5.10. STEEP SLOPES ARE DEFINED AS A NATURAL OR CREATED SLOPE OF 35% GRADE OR GREATER REGARDLESS OF HEIGHT. HAVE STEEP SLOPES

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

BEEN MINIMALLY DISTURBED AND/OR PROTECTED BY CONVEYING RUNOFF NON-EROSIVELY AROUND OR OVER THE SLOPE (5.5.3.4.) (10. "STEEP SLOPE")? ☒ YES ☐ NO ☐ N/A

5.11. THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE AQUATIC RESOURCE ALTERATION (ARAP) PERMIT OR SECTION 401 CERTIFICATION (5.5.1.h). REFER TO THE LIST OF APPLICABLE ENVIRONMENTAL PERMITS LOCATED ON SWPPP SHEET S-7. ALL PERMITS WILL BE MAINTAINED ON SITE WITHIN THE "DOCUMENTATION AND PERMITS" BINDER.

5.12. THE EPSC CONTROL MEASURES LISTED IN THE QUANTITIES TABLE ON SHEET 15 HAVE BEEN SELECTED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES (5.1., 5.5.3.1.b, 5.5.3.5.).

5.13. EPSC MEASURES SHALL BE INSTALLED PER TDOT STANDARDS (i.e. STANDARD DRAWINGS) AND SHALL BE FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS.

5.14. EPSC MEASURES WILL NOT BE INSTALLED WITHIN A STREAM WITHOUT FIRST OBTAINING APPROVAL FROM THE PERMITS SECTION.

5.15. TEMPORARY EPSC MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT MUST BE REINSTALLED AT THE END OF THE WORKDAY OR BEFORE A PRECIPITATION EVENT.

5.16. EPSC MEASURES LOCATED IN WOTUS (EPHEMERAL STREAMS) MUST BE CONSIDERED TEMPORARY AND SHALL BE REMOVED AT THE END OF CONSTRUCTION.

5.17. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFF-SITE MIGRATION OR DEPOSIT OF SEDIMENT OFF THE PROJECT LIMITS (E.G. R.O.W., EASEMENTS, ETC.), INTO WATERS OF THE STATE/U.S., OR ONTO ROADWAYS USED BY THE PUBLIC. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED TO A LEVEL SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS (E.G., FUGITIVE SEDIMENT THAT HAS ESCAPED THE CONSTRUCTION SITE AND HAS COLLECTED IN A STREET MUST BE REMOVED SO THAT IT IS NOT SUBSEQUENTLY WASHED INTO STORM SEWERS AND STREAMS BY THE NEXT RAIN AND/OR SO THAT IT DOES NOT POSE A SAFETY HAZARD TO USERS OF PUBLIC STREETS). ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY MUST BE SETTLED WITH THE ADJOINING PROPERTY OWNER BEFORE REMOVAL OF SEDIMENT. SEDIMENT THAT MIGRATES INTO WATERS OF THE STATE/US SHALL NOT BE REMOVED WITHOUT GUIDANCE FROM TDOT ENVIRONMENTAL PERSONNEL.

5.18. OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION EXIT (A POINT OF ENTRANCE/EXIT TO THE CONSTRUCTION PROJECT) SHALL BE PROVIDED TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.

5.19. THE QUANTITIES REQUIRED FOR STABILIZED CONSTRUCTION EXITS PER TDOT STANDARDS HAVE BEEN SPECIFIED ON SHEET 15 . (5.5.3.1.j).

5.20. DISCHARGES FROM DEWATERING ACTIVITIES ARE PROHIBITED UNLESS MANAGED BY APPROPRIATE CONTROLS THAT PROVIDE THE LEVEL OF TREATMENT (FILTRATION) NECESSARY TO COMPLY WITH PERMIT REQUIREMENTS. (4.1.3.).

5.21. SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE OR WELL VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT.

5.22. DISCHARGES FROM SEDIMENT BASINS AND IMPOUNDMENTS SHALL UTILIZE OUTLET STRUCTURES THAT ONLY WITHDRAW WATER FROM NEAR THE SURFACE OF THE BASIN OR IMPOUNDMENT. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE, WELL- VEGETATED AND/OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT. (5.5.3.5.).

5.23. THE DEWATERING OF WORK AREAS, TRENCHES, FOUNDATIONS, EXCAVATIONS, ETC. THAT HAVE COLLECTED STORMWATER, WATER FROM VEHICLE WASH AREAS, OR GROUNDWATER SHALL BE EITHER HELD IN SETTLING BASINS OR TREATED BY FILTRATION AND/OR CHEMICAL TREATMENT PRIOR TO ITS DISCHARGE. ALL CHEMICAL TREATMENTS MUST BE APPLIED PER SECTION 6 FLOCCULANTS.

5.24. WATER DISCHARGED FROM DEWATERING ACTIVITIES SHALL NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITHIN THE RECEIVING NATURAL RESOURCE. WATER MUST BE HELD WITHIN SETTLING BASINS UNTIL IT IS AT LEAST AS CLEAR AS THE RECEIVING WATERS.

5.25. DEWATERING STRUCTURES, SEDIMENT FILTER BAGS, SEDIMENT BASINS AND TRAPS SHALL NOT BE LOCATED CLOSER THAN 30 FEET (60 FEET DESIRABLE VEGETATIVE BUFFER) FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS (ETW) AND 15 FEET (30 FEET DESIRABLE VEGETATIVE BUFFER) FOR ALL OTHER FEATURES FROM THE TOP BANK OF A STREAM, WOTUS (EPHEMERAL), WETLAND OR OTHER NATURAL RESOURCE AND SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED.

5.26. STABILIZATION PRACTICES: PRE-CONSTRUCTION VEGETATIVE COVER WILL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 2 WEEKS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA WILL BE SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED (5.5.3.5.f).

5.27. STABILIZATION MEASURES WILL BE INITIATED AS SOON AS POSSIBLE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT STABILIZATION WILL BE COMPLETED WITHIN 2 WEEKS AFTER ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED IN THAT AREA. PERMANENT STABILIZATION WILL REPLACE TEMPORARY MEASURES AS SOON AS PRACTICABLE (5.5.3.4.).

5.28. PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER-RUN WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE

5.29. DELAYING THE PLANTING OF COVER VEGETATION UNTIL WINTER MONTHS OR DRY MONTHS SHOULD BE AVOIDED, IF POSSIBLE.

5.30. STEEP SLOPES SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 1 WEEK AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED. (5.5.3.4.).

6. FLOCCULANTS (3.5.3.1.b)

IS ADDITIONAL PHYSICAL OR CHEMICAL TREATMENT OF STORMWATER RUNOFF NECESSARY (5.5.3.5.)? ☐ YES ☒ NO

IF YES, THE FOLLOWING NOTES APPLY:

6.1. ENSURE THE FLOCCULANT EMULSIONS AND POWDERS ARE OF THE ANIONIC TYPE (5.5.3.5.). AND MEET THE FOLLOWING REQUIREMENTS:

6.1.1. MEETS THE EPA AND FDA ACRYLAMIDE MONOMER LIMITS OF EQUAL TO OR GREATER THAN 0.005% ACRYLAMIDE MONOMER.

6.1.2. HAS A DENSITY OF 10% TO 55% BY WEIGHT AND A MOLECULAR WEIGHT OF 16 TO 24 MG/MOLE (MILLIGRAM PER MOLE).

6.1.3. MIXTURE IS NON-COMBUSTIBLE.

6.1.4. CONTAINS ONLY MANUFACTURER'S RECOMMENDED ADDITIVES.

6.2. FLOCCULANT SHALL BE MIXED AND APPLIED IN ACCORDANCE WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) MATERIAL SAFETY DATA SHEET REQUIREMENTS AND THE MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIED USES CONFORMING TO ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS.

6.3. ALL VENDORS AND SUPPLIERS OF FLOCCULANT BLENDS SHALL PRESENT OR SUPPLY A WRITTEN TOXICITY REPORT WHICH VERIFIES ACCEPTABLE TOXICITY PARAMETERS WHICH MEET OR EXCEED THE EPS REQUIREMENTS FOR THE STATE AND FEDERAL WATER QUALITY STANDARDS. WHOLE EFFLUENT TESTING DOES NOT MEET THIS REQUIREMENT AS PRIMARY REACTIONS HAVE OCCURRED AND TOXIC POTENTIALS HAVE BEEN REDUCED. CATIONIC FORMS OF FLOCCULANTS ARE NOT ALLOWED UNDER THIS SECTION DUE TO HIGH LEVELS OF TOXICITY TO AQUATIC ORGANISMS. FLOCCULANT EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN WATERS DUE TO SURFACTANT TOXICITY. THE CONTRACTOR MUST SEEK THE APPROVAL OF THE EPSC DESIGN ENGINEER AND TDOT IF CHITOSAN IS PROPOSED FOR THIS PROJECT.

6.4. ALL VENDORS AND SUPPLIERS OF FLOCCULANT BLENDS SHALL SUPPLY WRITTEN "SITE SPECIFIC" TESTING RESULTS DEMONSTRATING A PERFORMANCE OF 95% OR GREATER REDUCTION OF NTU OR TSS FROM STORMWATER DISCHARGES.

6.5. EMULSION BATCHES SHALL BE MIXED FOLLOWING RECOMMENDATIONS OF THE TESTING LABORATORY THAT DETERMINES THE PROPER PRODUCT AND RATE TO MEET SITE REQUIREMENTS. APPLICATION METHODS SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA. EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN BUFFERS.

6.6. FLOCCULANT POWDER MAY BE APPLIED BY A HAND OR MECHANICAL SPREADER. MIXING OF THE FLOCCULANT POWDER WITH DRY SILICA SAND WILL AID IN SPREADING.

6.7. PREMIXING OF FLOCCULANT POWDER INTO FERTILIZER, SEED, OR OTHER SOIL AMENDMENTS IS ALLOWED WHEN SPECIFIED IN THE DESIGN PLAN. APPLICATION METHOD SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA.

6.8. FLOCCULANT LOGS OR BLOCKS SHALL BE APPLIED FOLLOWING SITE TESTING RESULTS TO ENSURE PROPER PLACEMENT AND PERFORMANCE AND SHALL MEET OR EXCEED STATE AND FEDERAL WATER QUALITY REQUIREMENTS.

6.9. DO NOT APPLY FLOCCULANTS DIRECTLY TO, OR WITHIN 60 FEET, OF ANY STREAMS, WETLANDS, OR OTHER NATURAL WATER RESOURCE LOCATED ON OR ADJACENT TO THE CONSTRUCTION SITE. DO NOT APPLY FLOCCULANTS DIRECTLY INTO WATERS CONTAINED WITHIN SEDIMENT PONDS OR TO SLOPES THAT PRODUCE RUNOFF DIRECTLY INTO A STREAM, WETLAND, OR OTHER NATURAL WATER RESOURCE. DO NOT APPLY FLOCCULANTS IMMEDIATELY AT A STORMWATER OUTFALL WHERE RUNOFF LEAVES THE PROJECT LIMITS.

7. UTILITY RELOCATION

ARE UTILITIES INCLUDED IN THE CONTRACT? ☐ YES ☒ NO

IF YES, THE FOLLOWING APPLY:

7.1. STORMWATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND TREATED PRIOR TO DISCHARGE.

7.2. SILT FENCE SHALL BE INSTALLED ON THE DOWNGRADIENT SIDE OF STOCKPILED SOIL. ANY TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING DRY CONDITIONS, REMOVED AND STABILIZED BY THE END OF THE WORK DAY.

7.3. UTILITY CROSSINGS IN ENVIRONMENTAL FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. ENVIRONMENTAL PERMITS APPLY TO UTILITIES IN THIS PROJECT. THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMITS.

7.4. IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR TO PROTECT EXPOSED EARTH FROM EROSION AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE EPSC MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFF-SITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME, SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFF-SITE AND ENTERING WATERS OF THE STATE/U.S.

7.5. FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN FOURTEEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOILS OF EXCAVATED EARTH SHALL BE LOCATED WITHIN TDOT EPSC MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE STATE UTILITY CONTRACTOR UNTIL THE TRENCH IS BACKFILLED.

7.6. IN REGARDS TO EPSC, TDEC REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS ON THIS PROJECT. THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT.

7.7. TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORMWATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EPSC MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.

7.8. FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT RIGHT-OF-WAY, EPSC MEASURES SHALL BE INSTALLED PRIOR TO CLEARING (TRENCHING AND ASSOCIATED BLASTING) IN THOSE AREAS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. THESE EPSC MEASURES SHALL REMAIN UNTIL THE BACKFILLED TRENCH IS STABILIZED WITH PERMANENT VEGETATIVE COVER.

7.9. THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS AS APPROVED BY THE TDOT RESPONSIBLE PARTY.

7.10. THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EPSC MEASURES TO REPLACE ONSITE EPSC MEASURES REMOVED TO FACILITATE THE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT ENGINEER BEFORE COMMENCING WORK.

7.11. FOR UTILITY CROSSINGS THAT UTILIZE HORIZONTAL DIRECTIONAL DRILLING THE FOLLOWING SHALL APPLY:

7.11.1. THE ENTRY AND EXIT POINTS SHALL BE AT LEAST 50 FEET FROM THE STREAM BANK OR WETLAND BOUNDARY.

7.11.2. THE DEPTH OF BORE BELOW THE STREAMBED IS SUFFICIENT TO PREVENT RELEASE OF DRILLING FLUID, BASED ON THE PARENT MATERIAL.

7.11.3. A SITE-SPECIFIC CONTINGENCY AND CONTAINMENT PLAN FOR INADVERTENT RELEASE OF DRILLING FLUID SHALL BE ESTABLISHED PRIOR TO COMMENCEMENT OF WORK. THIS PLAN SHALL BE SUBMITTED TO THE TDOT PROJECT ENGINEER AND THE TDOT ENVIRONMENTAL DIVISION PERMITS AND/OR COMPLIANCE AND FIELD SERVICES OFFICE FOR REVIEW AND APPROVAL.

8. MAINTENANCE AND INSPECTION

8.1. INSPECTION PRACTICES (5.5.3.9.)

8.1.1. PROJECT EPSC INSPECTORS AND ENGINEERS (INCLUDING TDOT STAFF, CONSULTANTS AND CONTRACTOR STAFF) RESPONSIBLE FOR THE INSPECTION, IMPLEMENTATION, MAINTENANCE. AND/OR REPAIR OF EPSC MEASURES SHALL MEET ONE OF THE FOLLOWING REQUIREMENTS (5.5.3.10.):

8.1.1.1. SUCCESSFULLY COMPLETED THE TDOT EPSC INSPECTIONS TRAINING AND ANY RECERTIFICATION COURSE AS REQUIRED.

8.1.1.2. SUCCESSFULLY COMPLETED THE TDEC “LEVEL I - FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL” COURSE AND ANY RECERTIFICATION COURSES AS REQUIRED.

8.1.1.3. BE A CURRENT TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT.

8.1.1.4. BE A CURRENT CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC).

8.1.1.5. SUCCESSFULLY COMPLETED TDEC “LEVEL II – DESIGN PRINCIPLES FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES” COURSE AND ANY RECERTIFICATION COURSE AS REQUIRED.

8.1.2. THE TDOT CONSTRUCTION ENGINEER (OR THEIR DULY AUTHORIZED REPRESENTATIVE) AND THE CONTRACTOR’S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE TDOT CONSTRUCTION ENGINEER OR THEIR DULY AUTHORIZED REPRESENTATIVE SHALL COMPLETE THE EPSC INSPECTION REPORTS AND DISTRIBUTE COPIES PER THE CONTRACT.

8.1.3. THE INSPECTOR SHALL CONDUCT PRE-CONSTRUCTION INSPECTIONS TO VERIFY AREAS THAT ARE NOT TO BE DISTURBED HAVE BEEN MARKED IN THE SWPPP AND IN THE FIELD BEFORE LAND DISTURBANCE ACTIVITIES BEGIN AND INITIAL MEASURES HAVE BEEN INSTALLED (10 “INSPECTOR”) (5.5.1.f).

8.1.4. EPSC CONTROLS SHALL BE INSPECTED TO VERIFY MEASURES HAVE BEEN INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS, SPECIFICATIONS, AND GOOD ENGINEERING PRACTICES. EPSC INSPECTIONS SHALL BE DOCUMENTED ON THE TDOT EPSC INSPECTION REPORT FORM AND THE TDEC CONSTRUCTION STORMWATER INSPECTION CERTIFICATION (TWICE-WEEKLY INSPECTIONS) FORM.

8.1.5. OUTFALL POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EPSC MEASURES ARE EFFECTIVE IN PREVENTING EROSION AND CONTROLLING SEDIMENT INCLUDING SIGNIFICANT IMPACTS TO SURROUNDING STATE WATERS, WOTUS (EPHEMERAL), WETLANDS, OTHER NATURAL RESOURCES AND ADJACENT PROPERTY OWNERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWN GRADIENT LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE ROADWAY SEDIMENT TRACKING.

8.1.6. INSPECTIONS WILL BE CONDUCTED AT LEAST TWICE EVERY CALENDAR WEEK AND AT LEAST 72 HOURS APART (5.5.3.11.a). A CALENDAR WEEK IS DEFINED AS SUNDAY THROUGH SATURDAY. QUALITY ASSURANCE INSPECTIONS OF TDOT EPSC, NPDES AND WATER QUALITY PERMIT REQUIREMENTS SHALL BE PERFORMED PER THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE.

8.1.7. THE FREQUENCY OF EPSC INSPECTIONS MAY BE REDUCED TO ONCE A MONTH WHERE SITES OR PORTIONS OF SITES HAVE BEEN TEMPORARILY STABILIZED UNTIL CONSTRUCTION ACTIVITIES RESUME WITH WRITTEN NOTIFICATION BY THE TDOT REGIONAL ENGINEER TO TDEC NASHVILLE CENTRAL OFFICE AND SUBSEQUENT TDEC APPROVAL. WRITTEN NOTIFICATION MUST INCLUDE THE INTENT TO CHANGE FREQUENCY AND JUSTIFICATION (5.5.3.11.a).

8.1.8. ALL DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN PERMANENTLY STABILIZED, AREAS USED FOR MATERIAL STORAGE THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND EACH OUTFALL WILL BE INSPECTED (5.5.3.11.b).

8.1.9. THE INSPECTOR WILL OVERSEE THE REQUIREMENTS OF OTHER CONSTRUCTION-RELATED WATER QUALITY PERMITS (I.E. TDEC ARAP, USACE SECTION 404, AND TVA SECTION 26a PERMITS) FOR CONSTRUCTION ACTIVITIES AROUND WATERS OF THE STATE (10 “INSPECTOR”).

8.1.10. THE SWPPP WILL BE REVISED AS NECESSARY BASED ON THE RESULTS OF THE INSPECTION. REVISION(S) WILL BE RECORDED WITHIN 1 WEEK OF THE INSPECTION. REVISION(S) WILL BE IMPLEMENTED WITHIN 2 WEEKS OF THE INSPECTION (5.5.3.11.e AND 5.5.3.11.f).

8.1.11. DOCUMENTATION OF INSPECTIONS WILL BE MAINTAINED ON SITE IN THE “DOCUMENTATION AND PERMITS” BINDER. REPORTS WILL BE SUBMITTED TO THE TDOT PROJECT ENGINEER PER THE CONTRACT.

8.1.12. THESE INSPECTION REQUIREMENTS DO NOT APPLY TO DEFINABLE AREAS OF THE SITE THAT HAVE MET PERMANENT STABILIZATION REQUIREMENTS AND HAVE BEEN NOTED IN THE SWPPP.

8.1.13. TRAINED CERTIFIED INSPECTORS SHALL COMPLETE INSPECTION TO THE BEST OF THEIR ABILITY. FALSIFYING INSPECTION RECORDS OR OTHER DOCUMENTATION OR FAILURE TO COMPLETE INSPECTION DOCUMENTATION SHALL RESULT IN A VIOLATION OF THIS PERMIT AND ANY OTHER APPLICABLE ACTS OR RULES (5.5.3.11.h).

8.2. DULY AUTHORIZED REPRESENTATIVE (8.7.3.)

THE PROJECT ENGINEER MAY DELEGATE AN INDIVIDUAL AND/OR CONSULTANT TO SIGN EPSC INSPECTIONS REPORTS. FOR SATISFYING SIGNATORY REQUIREMENTS FOR EPSC INSPECTION REPORTS, THE PROJECT ENGINEER AND NEWLY AUTHORIZED INDIVIDUAL ACCEPTING RESPONSIBILITY MUST COMPLETE AND SIGN THE TDOT CONSTRUCTION DIVISION EPSC DELEGATION OF AUTHORITY.

8.3. MAINTENANCE PRACTICES (5.1 AND 8.13.)

8.3.1. ALL CONTROLS WILL BE MAINTAINED IN GOOD AND EFFECTIVE OPERATING ORDER AND IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES. (5.1. AND 5.5.3.1.b)

8.3.2. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

8.3.3. UPON CONCLUSION OF THE INSPECTIONS, EPSC MEASURES FOUND TO BE INEFFECTIVE SHALL BE REPAIRED, REPLACED, OR MODIFIED BEFORE THE NEXT RAIN EVENT, IF POSSIBLE, BUT IN NO CASE, MORE THAN 24 HOURS AFTER THE INSPECTION OR WHEN THE CONDITION IS IDENTIFIED. IF THE REPAIR, REPLACEMENT OR MODIFICATION IS NOT PRACTICAL WITHIN THE 24-HOUR TIMEFRAME, WRITTEN DOCUMENTATION PROVIDED BY THE CONTRACTOR SHALL BE PLACED IN THE FIELD DIARY AND EPSC INSPECTION REPORT. AN ESTIMATED REPAIR, REPLACEMENT OR MODIFICATION SCHEDULE SHALL BE DOCUMENTED WITHIN 24 HOURS AFTER IDENTIFICATION. (5.5.3.11.e).

8.3.4. SEDIMENT SHALL BE REMOVED FROM SEDIMENT CONTROL STRUCTURES (SEDIMENT TRAPS, SILT FENCE, SEDIMENT BASINS, OTHER CONTROLS, ETC.) WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT (50%). (5.5.3.1.d).

8.3.5. DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE STEPS TO ENSURE THAT STRUCTURAL COMPONENTS OF EPSC MEASURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE EPSC MEASURES AT THE CONTRACTOR'S OWN EXPENSE.

8.3.6. CHECK DAMS WILL BE INSPECTED FOR STABILITY. SEDIMENT WILL BE REMOVED WHEN DEPTH REACHES ONE-HALF (½) THE HEIGHT OF THE DAM.

8.3.7. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES SHALL BE PLACED AND TREATED IN A MANNER SO THAT THE SEDIMENT IS CONTAINED WITHIN THE PROJECT LIMITS, DOES NOT MIGRATE INTO FEATURES REMOVED FROM, AND DOES NOT MIGRATE ONTO ADJACENT PROPERTIES AND/OR INTO WATERS OF THE STATE/U.S.

8.3.8. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER WILL BE PICKED UP AND REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFF THE SITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EROSION CONTROL WILL BE REMOVED (5.5.3.7.a).

8.3.9. ALL SEEDED AREAS WILL BE CHECKED FOR BARE SPOTS, EROSION WASHOUTS, AND VIGOROUS GROWTH FREE OF SIGNIFICANT WEED INFESTATIONS.

9. SITE ASSESSMENTS (5.5.3.8.)

QUALITY ASSURANCE SITE ASSESSMENTS OF EROSION PREVENTION AND SEDIMENT CONTROLS SHALL BE PERFORMED PER THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE GUIDELINES.

10. STORMWATER MANAGEMENT (5.5.3.11.h)

10.1. STORMWATER MANAGEMENT WILL BE HANDLED BY TEMPORARY CONTROLS OUTLINED IN THIS SWPPP AND ANY PERMANENT CONTROLS NEEDED TO MEET PERMANENT STORMWATER MANAGEMENT NEEDS IN THE POST CONSTRUCTION PERIOD. PERMANENT CONTROLS WILL BE DEPICTED ON THE PLANS AND NOTED AS PERMANENT.

10.2. DESCRIBE ANY SPECIFIC POST-CONSTRUCTION MEASURES THAT WILL CONTROL VELOCITY, POLLUTANTS, AND/OR EROSION (5.5.3.6.c): SEEDING AND SOD

10.3. OTHER ITEMS NEEDING CONTROL (5.5.3.7.)

CONSTRUCTION MATERIALS: THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY).

☒ LUMBER, GUARDRAIL, TRAFFIC CONTROL DEVICES
☒ CONCRETE WASHOUT
☒ PIPE CULVERTS (I.E. CONCRETE, CORRUGATED METAL, HDPE, ETC.)
☒ MINERAL AGGREGATES, ASPHALT
☒ EARTH
☒ LIQUID TRAFFIC STRIPING MATERIALS, PAINT
☒ ROCK
☒ CURING COMPOUND
☐ EXPLOSIVES
☐ OTHER _____

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

10.4. WASTE MATERIALS (5.5.3.7.c)

WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH THE TDOT CONSTRUCTION CONTRACT AND FEDERAL AND STATE REGULATIONS. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S) CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

10.5. HAZARDOUS WASTE (5.5.3.7.c) (8.8)

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR’S ON-SITE REPRESENTATIVE WILL BE RESPONSIBLE FOR SEEING THAT THESE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

PRACTICES ARE FOLLOWED. THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.

10.6. SANITARY WASTE (5.5.3.7.b)

PORTABLE SANITARY FACILITIES WILL BE PROVIDED ON ALL CONSTRUCTION SITES. SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY LOCAL REGULATIONS. THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.

10.7. OTHER MATERIALS

THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY).

☒ FERTILIZERS AND LIME

☒ PESTICIDES AND/OR HERBICIDES

☒ DIESEL AND GASOLINE

☒ MACHINERY LUBRICANTS (OIL AND GREASE)

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

11. NON-STORMWATER DISCHARGES (5.5.3.12.)

11.1. THE FOLLOWING NON-STORMWATER DISCHARGES ARE ANTICIPATED DURING THE CONSTRUCTION OF THIS PROJECT (CHECK ALL THAT APPLY):

☒ DEWATERING OF WORK AREAS OF COLLECTED STORMWATER AND GROUND WATER.

☒ WATERS USED TO WASH VEHICLES (OF DUST AND SOIL) WHERE DETERGENTS ARE NOT USED AND DETENTION AND/OR FILTERING IS PROVIDED BEFORE THE WATER LEAVES THE SITE.

☒ WATER USED TO CONTROL DUST. (3.5.3.1.n)

☐ POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHING FROM WHICH CHLORINE HAS BEEN REMOVED TO THE MAXIMUM EXTENT PRACTICABLE.

☐ UNCONTAMINATED GROUNDWATER OR SPRING WATER.

☐ FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH POLLUTANTS.

☐ OTHER: _____

11.2. ALL ALLOWABLE NON-STORMWATER DISCHARGES WILL BE DIRECTED TO STABLE DISCHARGE STRUCTURES PRIOR TO LEAVING THE SITE. FILTERING OR CHEMICAL TREATMENT MAY BE NECESSARY PRIOR TO DISCHARGE. ALL CHEMICAL TREATMENTS MUST BE APPLIED PER SECTION 6 FLOCCULANTS.

11.3. THE DESIGN OF ALL IMPACTED EPSC MEASURES RECEIVING FLOW FROM ALLOWABLE NON-STORMWATER DISCHARGES MUST BE DESIGNED TO HANDLE THE VOLUME OF THE NON-STORMWATER COMPONENT.

11.4. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS WILL NOT BE PERMITTED ON-SITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.

11.5. ARE ANY DISCHARGES ASSOCIATED WITH INDUSTRIAL (NON-CONSTRUCTION STORMWATER) ACTIVITY EXPECTED (5.5.1.g)?

☐ YES ☒ NO

IF YES, SPECIFY THE LOCATION OF THE ACTIVITY AND ITS PERMIT NUMBER: _____

12. SPILL PREVENTION, MANAGEMENT AND NOTIFICATION (5.5.3.7.c, 6.1)

12.1. SPILL PREVENTION (5.5.3.7.c)

12.1.1. CONTRACTOR'S BULK FUEL AND PETROLEUM PRODUCTS STORED ON-SITE OR ADJACENT TO THE R.O.W. IN ABOVE GROUND STORAGE TANKS WITH AGGREGATE STORAGE CAPACITY IN EXCESS OF 1,320 GALLONS SHALL HAVE SECONDARY CONTAINMENT.

12.1.2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN AS REQUIRED BY TDOT SPECIAL PROVISION 107FP (REGARDING WATER QUALITY AND STORM WATER PERMITS) AND THE LAW PRIOR TO STORING 1320 GALLONS ON SITE.

12.1.3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ANY NECESSARY LOCAL, STATE, AND FEDERAL PERMITS. THE SPCC PLAN AND/OR PERMITS SHALL BE KEPT ON-SITE AND A COPY PROVIDED TO THE TDOT CONSTRUCTION ENGINEER.

12.2. MATERIAL MANAGEMENT

12.2.1. HOUSEKEEPING

ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ON-SITE BY THE CONTRACTOR. EXCEPT FOR BULK MATERIALS THE CONTRACTOR WILL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING WILL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHEN POSSIBLE, ALL PRODUCTS WILL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFF SITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS WILL BE FOLLOWED. THE CONTRACTOR'S SITE SUPERINTENDENT WILL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL. DUST GENERATED WILL BE CONTROLLED IN AN ENVIRONMENTALLY SAFE MANNER. VEGETATION AREAS NOT ESSENTIAL TO THE CONSTRUCTION PROJECT WILL BE PRESERVED AND MAINTAINED AS NOTED ON THE PLANS.

12.2.2. HAZARDOUS MATERIALS

PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS UNLESS THE CONTAINER IS NOT RE-SEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS WILL BE RETAINED IN A SAFE PLACE TO RELAY IMPORTANT PRODUCT INFORMATION. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S LABEL DIRECTIONS FOR DISPOSAL WILL BE FOLLOWED. MAINTENANCE AND REPAIR OF ALL EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, DE-GREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS WILL BE CONDUCTED ON AN IMPERVIOUS SURFACE AND UNDER COVER DURING WET WEATHER TO PREVENT THE RELEASE OF CONTAMINANTS ONTO THE GROUND. WHEEL WASH WATER WILL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER WILL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM. POTENTIAL pH-MODIFYING MATERIALS SUCH AS: BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHINGS AND CURING WATERS, CONCRETE PUMPING, AND MIXER WASHOUT WATERS WILL BE COLLECTED ON SITE AND MANAGED TO PREVENT CONTAMINATION OF STORMWATER RUNOFF.

12.3. PRODUCT SPECIFIC PRACTICES

12.3.1. PETROLEUM PRODUCTS: ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.

12.3.2. FERTILIZERS: FERTILIZERS WILL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED BY TDOT. ONCE APPLIED, FERTILIZERS WILL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER. FERTILIZERS WILL BE STORED IN AN ENCLOSED AREA UNDER COVER. THE CONTENTS OF PARTIALLY USED FERTILIZER BAGS WILL BE TRANSFERRED TO SEALABLE CONTAINERS TO AVOID SPILLS.

12.3.3. PAINTS: ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. THE EXCESS WILL BE DISPOSED OF PER THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.

12.3.4. CONCRETE TRUCKS: CONTRACTORS WILL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED AND NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. UPON COMPLETION OF CONSTRUCTION WASHOUT AREAS WILL BE PROPERLY STABILIZED.

12.4. SPILL MANAGEMENT

IN ADDITION TO THE PREVIOUS HOUSEKEEPING AND MANAGEMENT PRACTICES, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP IF NECESSARY:

12.4.1. ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANGE OF LEAKAGE AND SPILLS.

12.4.2. FOR ALL HAZARDOUS MATERIALS STORED ON SITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP WILL BE CLEARLY POSTED. SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.

12.4.3. APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT WILL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ON-SITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.

12.4.4. ALL SPILLS SHALL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

12.4.5. THE CONTRACTOR'S RESPONSIBLE PARTY WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.

12.4.6. IF SPILLS REPRESENT AN IMMINENT THREAT OF ESCAPING THE SITE AND ENTERING RECEIVING WATERS, PERSONNEL WILL RESPOND IMMEDIATELY TO CONTAIN THE RELEASE AND NOTIFY THE SUPERINTENDENT AFTER THE SITUATION HAS BEEN STABILIZED.

12.4.7. IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION WILL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR WILL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.

12.4.8. IF A SPILL OCCURS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE TDOT PROJECT RESPONSIBLE PARTY. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

12.5. SPILL NOTIFICATION (6.1)

WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO, OR MORE THAN A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD:

12.5.1. THE TDOT PROJECT ENGINEER IS RESPONSIBLE FOR NOTIFYING THE REGIONAL PROJECT DEVELOPMENT OFFICE (E.G. TRANSPORTATION ENVIRONMENTAL STUDIES SPECIALIST) AS SOON AS HE OR SHE HAS KNOWLEDGE OF THE DISCHARGE.

12.5.2. THE TDOT REGIONAL PROJECT DEVELOPMENT OFFICE WILL NOTIFY THE LOCAL TDEC ENVIRONMENTAL FIELD OFFICE AND ANY OTHER APPLICABLE REGULATORY AGENCIES WITHIN 24 HOURS OF THE SPILL.

12.5.3. IN ADDITION TO ANY FOLLOW UP NOTIFICATIONS REQUIRED BY FEDERAL LAW, A WRITTEN DESCRIPTION OF THE RELEASE, DATE OF RELEASE AND CIRCUMSTANCES LEADING TO THE RELEASE, WHAT ACTIONS WERE TAKEN TO MITIGATE EFFECTS OF THE RELEASE, AND STEPS TAKEN TO MINIMIZE THE CHANCE OF FUTURE OCCURRENCES WILL BE SUBMITTED TO THE APPROPRIATE TDEC ENVIRONMENTAL FIELD OFFICE WITHIN 2 WEEKS OF KNOWLEDGE OF THE RELEASE.

12.5.4. THE SWPPP MUST BE MODIFIED WITHIN 2 WEEKS OF KNOWLEDGE OF THE RELEASE PROVIDING A DESCRIPTION OF THE RELEASE, CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF RELEASE. THE SWPPP WILL BE REVIEWED AND MODIFIED AS NECESSARY TO IDENTIFY MEASURES TO PREVENT THE REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES.

13. RECORD-KEEPING

13.1. REQUIRED RECORDS

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TDOT OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL MAINTAIN AT THE SITE THE FOLLOWING RECORDS OF CONSTRUCTION ACTIVITIES (7.2.1.) (7.2.1.):

13.1.1. THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR.

13.1.2. THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE.

13.1.3. THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.

13.1.4. RECORDS EPSC INSPECTION REPORTS AND CORRECTIVE MEASURES.

13.1.5. RECORDS OF QUALITY ASSURANCE SITE ASSESSMENTS.

13.1.6. COPY OF SITE EPSC INSPECTOR'S CERTIFICATION AND/OR LICENSING

13.1.7. A COPY OF ANY REGULATORY CORRESPONDENCE REGARDING THE EFFECTIVENESS OF THE SWPPP OR EPSC CONTROLS.

13.2. RAINFALL MONITORING PLAN (7.2.1.):

13.2.1. EQUIPMENT
AT A MINIMUM, THE CONTRACTOR WILL INSTALL A FENCE POST TYPE RAIN GAUGE TO MEASURE RAINFALL. THE STANDARD FENCE POST RAIN GAUGE WILL BE A WEDGE-SHAPED GAUGE THAT MEASURES UP TO 6 INCHES OF RAINFALL. AN ENGLISH SCALE WILL BE PROVIDED ON ONE FACE, WITH A METRIC SCALE ON THE OTHER FACE. GRADUATION WILL BE PERMANENTLY MOLDED IN DURABLE WEATHER-RESISTANT PLASTIC. THE MINIMUM GRADUATION WILL BE 0.01 INCH (OR 0.1MM). AN ALUMINUM BRACKET WITH SCREWS MAY BE USED TO MOUNT THE GAUGE ON A WOODEN SUPPORT.

13.2.2. LOCATION
THE RAIN GAUGE WILL BE LOCATED AT OR ALONG THE PROJECT SITE, AS DEFINED IN THE NOI OF THE NPDES PERMIT, IN AN OPEN AREA SUCH THAT THE MEASUREMENT WILL NOT BE INFLUENCED BY OUTSIDE FACTORS (I.E. OVERHANGS, GUTTER, TREES, ETC.). AT LEAST ONE RAIN GAUGE PER LINEAR MILE IS REQUIRED ALONG (AS MEASURED ALONG THE CENTERLINE OF THE PRIMARY ALIGNMENT) THE PROJECT WHERE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING IS ACTIVELY PERFORMED, OR EXPOSED SOIL HAS NOT YET BEEN PERMANENTLY STABILIZED.

13.2.3. METHODS
RAINFALL MONITORING WILL BE INITIATED PRIOR TO CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING, OR FILLING, EXCEPT AS SUCH MINIMAL CLEARING MAY BE NECESSARY TO INSTALL A RAIN GAUGE IN AN OPEN AREA. THE RAIN GAUGE WILL BE CHECKED FOR OPERATIONAL SOUNDNESS DAILY (DURING NORMAL BUSINESS HOURS) IN WET TIMES AND WEEKLY IN DRY TIMES. GAUGES WILL BE REPAIRED OR REPLACED ON THE SAME DAY IF FOUND TO BE NON-OPERATIONAL OR MISSING.

13.2.4. EACH RAIN GAUGE WILL BE READ (FOR DETAILED RECORDS OF RAINFALL) AND EMPTIED AFTER EVERY RAINFALL EVENT OCCURRING ON THE PROJECT SITE AT APPROXIMATELY THE SAME TIME OF THE DAY (DURING NORMAL BUSINESS HOURS). DURING PERIODS OF DRY CONDITIONS, IT WILL NOT BE NECESSARY TO READ THE RAIN GAUGE EVERY DAY. IN LIEU OF THIS REQUIREMENT ON WEEKENDS AND ON STATE HOLIDAYS, THE RAIN GAUGES CAN BE EMPTIED THE NEXT BUSINESS DAY AND A REFERENCE SITE USED FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION FOR THOSE DAYS. A REFERENCE SITE IS THE DOCUMENTATION FROM THE CLOSEST GAUGE WITHIN PROXIMITY OF THE PROJECT FROM A RECOGNIZED SOURCE SUCH AS THE NOAA NATIONAL WEATHER SERVICE.

13.2.5. DETAILED RECORDS WILL BE RECORDED OF RAINFALL EVENTS INCLUDE DATES, AMOUNTS OF RAINFALL, AND THE APPROXIMATE DURATION (OR THE STARTING AND ENDING TIMES). THE RAINFALL RECORDS SHALL BE RECORDED ON THE TDOT RAINFALL RECORD SHEET AND SHALL BE MAINTAINED IN THE "DOCUMENTATION AND PERMITS" BINDER.

13.2.6. IF THE RAINFALL EVENT IS STILL IN PROGRESS AT THE DAILY RECORDING TIME, THE GAUGE WILL BE EMPTIED AND THE RECORD WILL INDICATE THAT THE STORM EVENT WAS STILL IN PROGRESS.

13.2.7. RAIN GAUGE INFORMATION (DETAILED RECORDS), INCLUDING THE LOCATION OF THE NEAREST OUTFALL, WILL BE RECORDED ON THE EPSC INSPECTION REPORT FORMS AT THE TIME OF MEASUREMENT.

13.3. KEEPING PLANS CURRENT (5.4.)

13.3.1. THE EPSC PLAN IS TO SERVE AS AN INITIAL GUIDE FOR SITE PERSONNEL AS THE CONSTRUCTION PROCESS DEVELOPS. IT MUST BE AMENDED, MODIFIED, AND UPDATED WHENEVER EPSC INSPECTIONS INDICATE, OR WHERE STATE OR FEDERAL REGULATORY OFFICIALS DETERMINE EPSC MEASURES ARE PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES OR ARE OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY.

13.3.2. THE STAGES DEPICTED WITHIN THE EPSC PLANS MAY NOT COINCIDE WITH THE ACTUAL STAGES OF CONSTRUCTION ESTABLISHED BY THE CONTRACTOR DURING CONSTRUCTION, THUS MODIFICATIONS WILL BE REQUIRED TO ENSURE THE EPSC PLAN IS MAINTAINED TO DEPICT CURRENT SITE CONDITIONS. IT SHOULD BE MAINTAINED SUCH THAT IT WILL ALWAYS REFLECT THE MEASURES THAT ARE INSTALLED DURING THE VARIOUS STAGES OF CONSTRUCTION. IT IS IMPRACTICAL TO DETERMINE ALL THE INTERMEDIATE STAGES OF CONSTRUCTION THAT WILL OCCUR, THUS THESE DOCUMENTS MUST BE UPDATED THROUGHOUT THE LIFE OF THE CONSTRUCTION PROJECT.

13.3.3. THE TDOT EPSC INSPECTOR OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL MODIFY AND UPDATE THE SWPPP WHEN ANY OF THE FOLLOWING CONDITIONS APPLY:

13.3.3.1. WHENEVER THERE IS A CHANGE IN THE SCOPE OF THE PROJECT THAT WOULD BE EXPECTED TO HAVE A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE AND WHICH HAS NOT OTHERWISE BEEN ADDRESSED IN THE SWPPP;

13.3.3.2. WHENEVER INSPECTIONS OR INVESTIGATIONS BY SITE OPERATORS, LOCAL, STATE, OR FEDERAL OFFICIALS INDICATE THE SWPPP IS PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM CONSTRUCTION ACTIVITY SOURCES, OR IS OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY; WHERE LOCAL, STATE, OR FEDERAL OFFICIALS DETERMINE THAT THE SWPPP IS INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES, A COPY OF ANY CORRESPONDENCE TO THAT EFFECT MUST BE RETAINED IN THE SWPPP;

13.3.3.3. WHEN ANY NEW OPERATOR AND/OR SUB-OPERATOR IS ASSIGNED OR RELIEVED OF THEIR RESPONSIBILITY TO IMPLEMENT A PORTION OF THE SWPPP;

13.3.3.4. TO PREVENT A NEGATIVE IMPACT TO LEGALLY PROTECTED STATE OR FEDERALLY LISTED OR PROPOSED THREATENED OR ENDANGERED AQUATIC FAUNA;

13.3.3.5. WHEN THERE IS A CHANGE IN CHEMICAL TREATMENT METHODS INCLUDING: USE OF DIFFERENT TREATMENT CHEMICALS, DIFFERENT DOSAGE OR APPLICATION RATES OR A DIFFERENT AREA OF APPLICATION NOT SPECIFIED ON THE EPSC PLANS.

13.3.3.6. ALL SWPPP REVISION(S) SHALL BE RECORDED WITHIN 1 WEEK BY THE PROJECT EPSC INSPECTOR.

13.3.3.7. WHEN A TMDL IS DEVELOPED FOR THE RECEIVING WATERS FOR A POLLUTANT OF CONCERN (SILTATION AND/OR HABITAT ALTERATION), CONSTRUCTION SHALL NOTIFY THE PERMITS SECTION FOR PROPER COORDINATION.

13.4. MAKING PLANS ACCESSIBLE

13.4.1. TDOT WILL RETAIN A COPY OF THIS SWPPP (INCLUDING A COPY OF THE "DOCUMENTATION AND PERMITS" BINDER AT THE CONSTRUCTION SITE (OR OTHER LOCATION ACCESSIBLE TO TDEC AND THE PUBLIC) FROM THE DATE CONSTRUCTION COMMENCES TO THE DATE OF PERMANENT STABILIZATION. TDOT WILL HAVE A COPY OF THE SWPPP AVAILABLE AT THE LOCATION WHERE WORK IS OCCURRING ON-SITE FOR THE USE OF OPERATORS AND THOSE IDENTIFIED AS HAVING RESPONSIBILITIES UNDER THE SWPPP WHENEVER THEY ARE ON THE CONSTRUCTION SITE (7.2.).

13.4.2. PRIOR TO THE INITIATION OF LAND DISTURBING ACTIVITIES AND UNTIL THE SITE HAS MET THE PERMANENT STABILIZATION CRITERIA, TDOT OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL POST A NOTICE NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE WITH THE FOLLOWING INFORMATION (5.3.4.) (7.2.1.):

13.4.2.1. A COPY OF THE NOTICE OF COVERAGE (NOC) WITH THE NPDES PERMIT NUMBER FOR THE PROJECT;

13.4.2.2. THE INDIVIDUAL NAME, COMPANY NAME, E-MAIL ADDRESS (IF APPLICABLE) AND TELEPHONE NUMBER OF THE LOCAL PROJECT SITE OWNER AND OPERATOR CONTACT;

13.4.2.3. A BRIEF DESCRIPTION OF THE PROJECT; AND

13.4.2.4. THE LOCATION OF THE SWPPP.

13.4.3. ALL INFORMATION DESCRIBED IN SECTION 13.4.2 MUST BE MAINTAINED IN LEGIBLE CONDITION. IF POSTING THIS INFORMATION NEAR A MAIN ENTRANCE IS INFEASIBLE DUE TO SAFETY CONCERNS, THE NOTICE SHALL BE POSTED IN A LOCAL BUILDING. THE NOTICE MUST BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION WHERE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY.

13.5. NOTICE OF TERMINATION (9.0.)

13.5.1. WHEN ALL STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT ARE AUTHORIZED BY THE PERMIT ARE ELIMINATED BY PERMANENT STABILIZATION, THE TDOT REGIONAL ENGINEER WILL SUBMIT A NOTICE OF TERMINATION (NOT) THAT IS SIGNED IN ACCORDANCE WITH THE PERMIT TO THE TDEC CENTRAL OFFICE IN NASHVILLE, TN.

13.5.2. FOR THE PURPOSES OF THE CERTIFICATION REQUIRED BY THE NOT, THE ELIMINATION OF STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY MEANS THE

13.5.2.1. ALL EARTH-DISTURBING ACTIVITIES ON THE SITE ARE COMPLETED AND ALL DISTURBED SOILS AT THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL HAVE BEEN PERMANENTLY STABILIZED; AND

13.5.2.2. ALL CONSTRUCTION MATERIALS, WASTE AND WASTE HANDLING DEVICES, AND ALL EQUIPMENT, AND VEHICLES THAT WERE USED DURING CONSTRUCTION HAVE BEEN REMOVED AND PROPERLY DISPOSED; AND

13.5.2.3. ALL STORMWATER CONTROLS THAT WERE INSTALLED AND MAINTAINED DURING CONSTRUCTION, EXCEPT THOSE THAT ARE INTENDED FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE, HAVE BEEN REMOVED; AND

13.5.2.4. ALL POTENTIAL POLLUTANTS AND POLLUTANT GENERATING ACTIVITIES ASSOCIATED WITH CONSTRUCTION HAVE BEEN REMOVED; AND

13.5.2.5. THE PERMITTEE HAS IDENTIFIED WHO IS RESPONSIBLE FOR ONGOING MAINTENANCE OF ANY STORMWATER CONTROLS LEFT ON THE SITE FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE; AND

13.5.2.6. TEMPORARY EPSC MEASURES HAVE BEEN OR WILL BE REMOVED AT AN APPROPRIATE TIME TO ENSURE PERMANENT STABILIZATION IS MAINTAINED; AND

13.5.2.7. ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES FROM THE IDENTIFIED SITE THAT ARE AUTHORIZED BY A NPDES GENERAL PERMIT HAVE OTHERWISE BEEN ELIMINATED FROM THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL.

13.6. RETENTION OF RECORDS (7.1.)

TDOT WILL RETAIN COPIES OF THE SWPPP, ALL REPORTS REQUIRED BY THE PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT FOR THE PROJECT FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THE NOT WAS FILED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TENNESSEE D.O.T. | DESIGN DIVISION | FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	HSIP-10(86)	S-7

14. SITE WIDE/PRIMARY PERMITTEE CERTIFICATION (8.7.5.)

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED BY ME, OR UNDER MY DIRECTION OR SUPERVISION. THE SUBMITTED INFORMATION IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. AS SPECIFIED IN TENNESSEE CODE ANNOTATED SECTION 39-16-702(a)(4), THIS DECLARATION IS MADE UNDER PENALTY OF PERJURY.

AUTHORIZED TDOT PERSONNEL SIGNATURE (5.3.3.)

Robbie Stephens

PRINTED NAME

Statewide Transportation Engineer

TITLE

February 24, 2025

DATE

15. SECONDARY PERMITTEE (OPERATOR) CERTIFICATION (8.7.6.)

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE REVIEWED THIS DOCUMENT, ANY ATTACHMENTS, AND THE SWPPP REFERENCED ABOVE. BASED ON MY INQUIRY OF THE CONSTRUCTION SITE OWNER/DEVELOPER IDENTIFIED ABOVE AND/OR MY INQUIRY OF THE PERSON DIRECTLY RESPONSIBLE FOR ASSEMBLING THIS NOI AND SWPPP, I BELIEVE THE INFORMATION SUBMITTED IS ACCURATE. I AM AWARE THAT THIS NOI, IF APPROVED, MAKES THE ABOVE-DESCRIBED CONSTRUCTION ACTIVITY SUBJECT TO NPDES PERMIT NUMBER TNR100000, AND THAT CERTAIN OF MY ACTIVITIES ONSITE ARE THEREBY REGULATED. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS, AND FOR FAILURE TO COMPLY WITH THESE PERMIT REQUIREMENTS. AS SPECIFIED IN TENNESSEE CODE ANNOTATED SECTION 39-16-702(a)(4), THIS DECLARATION IS MADE UNDER PENALTY OF PERJURY.

AUTHORIZED CONTRACTOR PERSONNEL SIGNATURE (5.3.3.)

PRINTED NAME

TITLE

DATE

16. ENVIRONMENTAL PERMITS (1.5.2.)

LIST ALL ENVIRONMENTAL PERMITS AND EXPIRATION DATES FOR PROJECT (**TO BE COMPLETED AT THE ENVIRONMENTAL PRECONSTRUCTION MEETING BY TDOT CONSTRUCTION OR THEIR DULY AUTHORIZED REPRESENTATIVE**):

ENVIRONMENTAL PERMITS			
PERMIT	**YES OR NO**	**PERMIT OR TRACKING NO.**	**EXPIRATION DATE***
TDEC ARAP	YES	NRS23.282	1/23/2029
CORPS OF ENGINEERS (USACE)	YES	LRN-2024-00808	3/14/26
TVA 26A	NO		
TDEC CGP	YES	PENDING	
OTHER:			

*THE TDOT ENVIRONMENTAL DIVISION MUST BE NOTIFIED SIX MONTHS PRIOR TO THE PERMIT EXPIRATION DATE.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TENNESSEE D.O.T. | DESIGN DIVISION | FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	HSIP-10(86)	S-8

17. OUTFALL TABLE (5.5.1.c, 6.4.1.e, 6.4.1.f)

OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	SEDIMENT TRAP OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
1		133+75 (RT)	1.00	4.95	4.95	4.95	NO	NO	STR-1	
2		137+10 (LT)	0.65	2.21	2.21	2.21	NO	NO	STR-1	
3		142+20 (CL)	0.65	0.72	0.72	0.72	NO	NO	STR-1	

ALL UNUSED FIELDS WITHIN THE OUTFALL TABLE ARE TO BE SHADED, HATCHED, OR REMOVED TO INDICATE THEIR NON-USAGE.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TENN.	YEAR	SHEET NO.
	2025	U1-1
FED. AID PROJ. NO.	HSIP-10(86)	
STATE PROJ. NO.	02S010-F3-002	

Index Of Sheets	
SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITIES OWNERS AND UTILITY SHEETS	U1-1 THRU U1-2

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

BEDFORD COUNTY

SR-10(US-231)
INTERSECTION AT SR-82(SAWNEY WEBB MEMORIAL HWY)

STATE HIGHWAY NO. SR 10 / F.A.H.S NO. US 231

WITH THE EXCEPTIONS OF AT&T, DREMC, CHARTER, COMCAST, AND UNITED. THERE ARE NO UTILITIES IN CONFLICT WITH THIS PROJECT.

STANDARD LEGEND

EXISTING UTILITES

- POWER
- TELEPHONE
- WATER
- CABLE TV
- SANITARY SEWER
- UNDERGROUND TELEPHONE
- GAS
- FORCE MAIN SEWER
- UNDERGROUND POWER
- UNDERGROUND FIBER OPTIC

- POWER POLE
- TELEPHONE POLE
- POWER/TELEPHONE POLE
- MANHOLE
- WATER METER (W.M.)
- WATER VALVE (W.V.)
- LIGHT POLE

PROPOSED UTILITIES & MODIFICATIONS

- POWER
- UNDERGROUND POWER
- TELEPHONE
- WATER
- CABLE TV
- SANITARY SEWER
- UNDERGROUND TELEPHONE
- GAS
- FORCE MAIN SEWER
- UNDERGROUND FIBER OPTIC
- EX. WATER LINE (RETIRED IN PLACE) — 6" W RIP
- EX.GAS LINE (RETIRED IN PLACE) — 8" G RIP
- EX.SEWER LINE (RETIRED IN PLACE) — 8" FMS RIP
- EX.TELEPHONE LINE (RETIRED IN PLACE) — T(UG) RIP

- POWER POLE (P)
- TELEPHONE POLE (T)
- WATER METER (W.M.)
- (R) REMOVE
- (RIP) RETIRE IN PLACE

SPECIAL NOTES

SOME UTILITIES CAN BE LOCATED BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC. AT 1-800-351-1111

UTILITY OWNERS AND CONTACTS:

ELECTRIC: DREMC 1411 MADISON ST. SHELBYVILLE, TN 37160 LUKE DAVIDSON LDAVIDSON@DREMC.COM C: 931-703-9034	PHONE: AT&T 116 SOUTH CANNON AVENUE MURFREESBORO, TN 37129 KENNETH LEE KORNEGAY KK4096@ATT.COM O: 615-848-2082 C:615-631-7221	FIBER: UNITED COMMUNICATIONS 120 TAYLOR STREET CHAPEL HILL, TN 37034 JONATHAN KNIGHT JON.KNIGHT@GOUNTIED.NET C:704-242-4172
WATER: BEDFORD CO. UTILITY DISTRICT GAS: 214 BETHANY LANE (PO BOX 2755) SHELBYVILLE, TN 37162 BUDDY KOONCE BKOONCE@BEDFORDUTILITY.COM O: 931-684-1667	CABLE: COMCAST 660 MAINSTREAM DRIVE NASHVILLE, TN 37728 KATELYN GROSS KATELYN_GROSS@COMCAST.COM C: 615-961-2453	CABLE: CHARTER COMMUNICATIONS 415 INDUSTRIAL BLVD TULLAHOMA, TN 37388 BOBBY BRADLEY BOBBY.BRADLEY@CHARTER.COM C: 931-703-8383
	FIBER: CROWN CASTLE 370 MALLORY STATION ROAD, SUITE 505 FRANKLIN, TN 37067 JAMES WHITED JAMES.WHITED@CROWNCASTLE.COM O:502-428-5776	

NOTE TO CONTRACTORS	UNDERGROUND UTILITIES NOTE	NOTE TO CONTRACTORS
CONTRACTOR TO FOLLOW ALL ADA RULES PERTAINING TO SIDEWALKS	ALL UNDERGROUND UTILITIES MUST BE DIRECTIONAL BORED UNDER ALL STREAMS IDENTIFIED IN THE PLANS	DIRECTIONAL BORING MUST BE PLACED A MINIMUM OF 50' AWAY FROM STREAM BANKS

$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	HSIP-10(86)	U1-2

$$$$DATE$$$$$$$$$$$$TIME$$$$$$$$
\\TDOT03NAS002.TDOT.STATE.TN.US\03SHARED\ROWUTILITY SECTION\UTILITY MASTER FILES\BEDFORD\131795.00 US-231 INTERSECTIO AT SR-82 (SAWNEY WEBB MEMORIAL HWY)\U-SHEETS\U1-2 SHEET.DGN

~~CHRISTOPHER CHARLES INVESTMENTS, L.P.~~

~~BOE INVESTMENTS~~

~~TENNESSEE DOWNS REAL ESTATE COMPANY, LLC~~

~~KING LAND INVESTMENTS, LLC~~

~~ROBERT F. KILGORE, JOHN T. DOSS AND IRA INNOVATION LLC FBO BENNY NORVELL HASTINGS IRA~~

~~SUSAN BELL JACOBUS, TRUSTEE, OF THE BELL LEGACY TRUST~~

~~JAMES B. POWELL AND WIFE, EVELYN POWELL~~

CONTROL POINTS

Point	Northing	Easting	Elevation	Feature	GPS Point	Station	Offset
SW2	457107.2193	1837770.9800	792.60	XCP	GPS 02-437-W2	132+78.19	75.81
S52	457708.2103	1837753.9308	790.87	XCP	GPS 02-10-52	138+63.25	-62.69

1. DREMC TO CHANGE 40' TO 50' POLE AND RE-GUY TO ALLOW ROOM FOR COMMS TO RAISE.
2. CHARTER TO TRANSFER TO NEW POLE AND RAISE FOR CLEARANCE.
3. UNITED TO RAISE LINE AT POLE.

4. CHARTER WILL TRANSFER EXISTING LINE TO NEW POLE
5. UNITED TO RAISE LINE AT POLE.
6. COMCAST WILL REMAIN ON POLE BUT WILL RAISE ATTACHMENT.
7. AT&T TO TRANSFER STRANDS TO NEW POWER POLE, NEW POA HEIGHTS TO BE ASSIGNED BY DREMC

LEGEND	WETLAND IMPACTS (WTL-1)
	AREA OF PERMANENT IMPACT = 0.078 AC.
	VOLUME OF PERMANENT IMPACT = 62.92 C.Y.
	AREA OF TEMPORARY IMPACT = 0.000 AC.
	VOLUME OF TEMPORARY IMPACT = 0.000 C.Y.

SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY SHEET

STA. 129+00 TO STA. 141+00
SCALE: 1" = 50'