THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Drake E Danley Date: 2026.02.17 13:55:01-06'00'

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

COMPANY NAME KIMLEY-HORN AND ASSOCIATES, INC.
ADDRESS 6750 POPLAR AVE
SUITE 600
CITY, STATE MEMPHIS, TENNESSEE 38138
PE NAME, PE NUMBER DRAKE E. DANLEY, P.E. NO. 105240

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
TRAFFIC DESIGN DETAIL DRAWINGS	1A1
ESTIMATED ROADWAY QUANTITIES	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B - 2B2
GENERAL NOTES	2C, 2C1
SPECIAL NOTES	2D
ENVIRONMENTAL NOTES	2E
TABULATED QUANTITIES	2F, 2F1
DETAIL SHEETS	2G - 2G2
RIGHT-OF-WAY NOTES, UTILITY NOTES AND UTILITY OWNERS	3
PROPERTY MAP	3A
PRESENT LAYOUT(S)	4 – 5
PROPOSED LAYOUT(S)	4B – 5B
PROPOSED PROFILE(S)	4C – 5C
SIDE ROADS PROFILE(S)	6 – 7
DRAINAGE MAP(S)	8
CULVERT SECTION(S)	9
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	10, 11, 12-14A
SIGNING AND PAVEMENT MARKING PLAN(S)	15 – 16
SIGN SCHEDULE SHEET(S)	17 – 18
ROADWAY CROSS SECTIONS	19 – 39
SIDE ROAD CROSS SECTIONS	40 – 42
TRAFFIC CONTROL PLANS	T1 – T7A

YEAR	PROJECT NO.	SHEET NO.
2026	HSIP-5(114)	ROADWAY-SIGN-1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

1/20/2026 10:54:56 AM
C:\PW\KH1\D0268543\27S005-SHT-SIGNATURE SHEET.DGN

Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

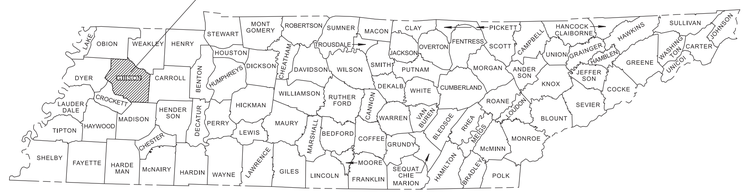
DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES	NO X
WORK ZONE SIGNIFICANCE DETERMINATION		
SIGNIFICANT	YES	NO X

TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	HSIP-5(114)	
STATE PROJ. NO.	27001-3243-94	

GIBSON COUNTY

SR 5 (US-45W)
INTERSECTION AT BROAD ST, LM 22.851 IN DYER

PROJECT LOCATION



27001-3243-94
END PROJECT NO. HSIP-5(114) CONSTRUCTION

STA. 356+90.70 SR5

N 645941.3229 E 1079907.9203

27001-2243-94
END PROJECT NO. HSIP-5(114) R.O.W. (UTILITIES ONLY)

STA. 356+90.70 SR5

N 645941.3229 E 1079907.9203

27001-2243-94
BEGIN PROJECT NO. HSIP-5(114) R.O.W. (UTILITIES ONLY)

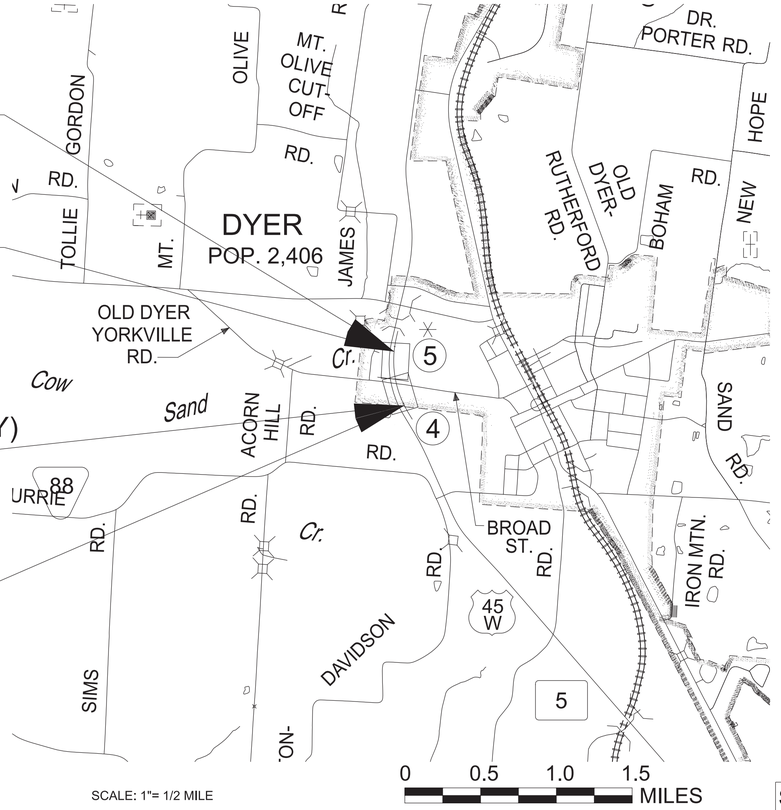
STA. 342+20.68 SR5

N 644515.8427 E 1080178.2664

27001-3243-94
BEGIN PROJECT NO. HSIP-5(114) CONSTRUCTION

STA. 342+20.68 SR5

N 644515.8427 E 1080178.2664



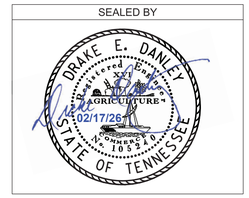
SCALE: 1"= 1/2 MILE

N

NO EXCLUSIONS

PROJECT OF LIMITED SCOPE

SEALED BY



APPROVED:
SHANE HESTER, CHIEF ENGINEER

DATE:

APPROVED:
WILL REID, COMMISSIONER

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 APRIL 1, 2026 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT PROJECT MANAGER: ELI JONES

DESIGNED BY : KIMLEY-HORN & ASSOCIATES

DESIGNER : DRAKE DANLEY, PE CHECKED BY HEATHER LEWIS, PE

P.E. NO. 27001-1243-94 (DESIGN)

PIN NO. 128335.00

R.O.W. LENGTH	0.000 MILES
ROADWAY LENGTH	0.278 MILES
BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES ▲
PROJECT LENGTH	0.278 MILES

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

SURVEY 06-11-21	TRAFFIC DATA	
	ADT (2024)	5,030
	ADT (2045)	7,540
	DHV (2045)	907
	D	60 - 40
	T (ADT)	9 %
	T (DHV)	6 %
	V	55 MPH

COORDINATES ARE NAD/83(1995) (2011 ADJUSTMENT) ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 USING GEOID 12B.

2/17/2026 11:54:44 AM
C:\PWKH1\D0268543\27S005-SHT-TITLE.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-5(114)	1A
PS&E	2026	HSIP-5(114)	1A

ROADWAY INDEX

STANDARD ROADWAY DRAWINGS

10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS

DWG.	REV.	DESCRIPTION
RD-TP-1	10-01-24	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL

10-101.00 STANDARDS ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
RD11-SE-1		TRANSITION AND CROSS SLOPE DETAILS
RD11-SE-3		SUPERELEVATION TRANSITION DETAILS FOR DIVIDED ROADWAYS
RD11-SE-3A		SUPERELEVATION TRANSITION SECTIONS FOR DIVIDED ROADWAYS
RD11-TS-3A	06-28-19	DESIGN STANDARDS FOR ARTERIAL HIGHWAYS WITH DEPRESSED MEDIAN (4 AND 6 LANE)
RD11-LR-2		MINIMUM RUNOFF LENGTHS (LR) FOR RURAL HIGHWAYS
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD11-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD11-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
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-9	06-28-19	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 6:1 SLOPES

10-102.00 PIPE CULVERTS, ENDWALLS, AND ENERGY DISSIPATERS

DWG.	REV.	DESCRIPTION
D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-2	03-01-23	STANDARD DETAILS FOR FLEXIBLE PIPE INSTALLATION
D-PB-4	01-09-24	PIPE COLLAR DETAILS
D-SEW-12D	07-07-23	TYPE “SAFETY” SIDE DRAIN ENDWALL WITH STEEL PIPE GRATE, FOR 18” PIPE, 12:1 SLOPE

10-103.00 CATCH BASINS AND MANHOLES

DWG.	REV.	DESCRIPTION
D-CB-38RB	03-04-21	STANDARD PRECAST CIRCULAR NO. 38 CATCH BASIN
D-CB-99	02-20-20	MISCELLANEOUS DETAILS FOR RECTANGULAR STRUCTURES
D-CB-99R	01-28-22	MISCELLANEOUS DETAILS FOR ROUND STRUCTURES
D-CB-99RA	10-29-21	BILL OF STEEL FOR ROUND CATCH BASIN LIDS
D-RL-3		ROUND LID DETAILS FOR SINGLE OPENING AREA DRAIN
D-RS-1		PRECAST ROUND STRUCTURES (48” THRU 120”)
D-RS-2		PRECAST ROUND STRUCTURES REINFORCEMENT DETAILS
D-RS-3		MISCELLANEOUS DETAILS FOR ROUND STRUCTURES
D-RJB-1		PRECAST ROUND JUNCTION BOX STRUCTURES (48” THRU 120”)

10-104.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES

DWG.	REV.	DESCRIPTION
RP-DHO-1	05-01-20	MEDIAN OPENINGS ON 4-LANE DIVIDED HIGHWAY
RP-DHO-2	07-30-24	MEDIAN OPENING DETAILS FOR RESTRICTED CROSSING & J-TURN INTERSECTIONS
RP-I-5	05-01-20	EXAMPLES OF STREET & ALLEY INTERSECTIONS
RP-PMR-1	05-01-20	STANDARD DETAILS FOR PROPOSED PERMANENT MAINTENANCE RAMP
RP-R-1	04-21-25	STANDARD RAMP DETAILS FOR ROADWAYS AND DRIVEWAYS
RP-SC-1	05-04-22	SLOPING CONCRETE CURB AND CURB AND GUTTER

10-105.00 MULTIMODAL

DWG.	REV.	DESCRIPTION
MM-PM-2	07-30-24	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANE OR ROUTES

10-106.00 SAFETY DESIGN AND GUARDRAILS

DWG.	REV.	DESCRIPTION
S-CZ-1	06-28-19	CLEAR ZONE CRITERIA

10-107.00 EROSION PREVENTION AND SEDIMENT CONTROL

DWG.	REV.	DESCRIPTION
EC-STR-3B	06-15-21	SILT FENCE
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-37	06-10-14	SEDIMENT TUBE
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-11A	08-01-12	CULVERT PROTECTION TYPE 2
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
EC-STR-40		CATCH BASIN FILTER ASSEMBLY FOR CIRCULAR STRUCTURES
EC-STR-43		CATCH BASIN FILTER ASSEMBLY (TYPE 3)

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

2/17/2026 11:55:10 AM
C:\PWKH1\D0268543\27S005-SHT-INDEX AND STD DRAWINGS.DGN

STANDARD TRAFFIC DESIGN DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-5(114)	1A1
PS&E	2026	HSIP-5(114)	1A1

DWG.	REV.	DESCRIPTION
10-200.00 SIGN		
T-S-9	07-30-25	STANDARD LAYOUT - GROUND MOUNTED SIGNS
T-S-10	07-30-25	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS, ALUMINUM-STEEL DESIGN
T-S-12	07-30-25	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, SQUARE TUBES
T-S-16	07-30-25	GROUND MOUNTED ROADSIDE “U” SIGN PLACEMENT DETAILS
T-S-17	07-30-25	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-19	07-30-25	STANDARD STEEL SIGN SUPPORTS
T-S-20	07-30-25	SIGN DETAILS
T-S-23A	07-30-25	MULTI-DIRECTIONAL SLIP BASE BREAKAWAY P-POST SIGN SUPPORT
T-S-23C	07-30-25	BREAKWAY POST SIGN SUPPORTS
T-S-26	07-30-25	SIGNING PLAN FOR RESTRICTED CROSSING & J-TURN INTERSECTIONS
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-19	01-24-25	PAVEMENT MARKING DETAILS FOR RESTRICTED CROSSING & J-TURN INTERSECTION.
T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-11	03-26-25	ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS
T-WZ-18	03-26-25	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-WZ-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD

DWG.	REV.	DESCRIPTION

DWG.	REV.	DESCRIPTION

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC
DESIGN
DETAIL
DRAWINGS

1/20/2026 10:56:17 AM
C:\PW\KH1\D0268543\27S005-SHT-INDEX AND STD DRAWINGS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	2
PIH	2025	HSIP-5(114)	2
PS&E	2026	HSIP-5(114)	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 27001-3243-94
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
(8)	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
	202-03.01	REMOVAL OF ASPHALT PAVEMENT	S.Y.	3154
(1)(4)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	1559
(4)	203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	2957
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	770
	203-06	WATER	M.G.	40
	203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	151
(7)	204-08.01	BACKFILL MATERIAL (FLOWABLE FILL)	C.Y.	15
(1)	209-05	SEDIMENT REMOVAL	C.Y.	94
(1)	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	1146
(1)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	3
(1)	209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	2
(1)	209-40.43	CATCH BASIN FILTER ASSEMBLY(TYPE 3)	EACH	1
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	4292
(1)(9)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	17
	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	140
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	1066
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	559
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	9
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	32
(6)	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	4
	407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	3378
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	80
	411-02.10	ACS MIX(PG70-22) GRADING D	TON	328
(5)	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	188
	611-07.73	18IN ENDWALL (MEDIAN DRAIN)	EACH	4
	611-38.02	CATCH BASINS, TYPE 38, > 4'-8' DEPTH	EACH	1
	611-63.10	JUNCTION STRUCTURE, 60IN ROUND, >4'-8' DEPTH	EACH	2
	701-03	CONCRETE MEDIAN PAVEMENT	C.Y.	300
	702-01	CONCRETE CURB	C.Y.	55
	710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	LF	1434
	710-05	LATERAL UNDERDRAIN	LF	70
	710-06.15	LATERAL UNDERDRAIN ENDWALL (6:1)	EA	14
	712-01	TRAFFIC CONTROL	LS	1
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	277
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	307
	712-06	SIGNS (CONSTRUCTION)	S.F.	401
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	96
	713-02.21	SIGN POST DELINEATION ENHANCEMENT	L.F.	154
	713-11.01	"U" SECTION STEEL POSTS	LB.	1989
	713-11.22	U POST SLIP BASE	EACH	41
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	54
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	313
(8)	713-15	REMOVAL OF SIGNS, POSTS, AND FOOTINGS	LS	1

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 27001-3243-94
(3)	716-02.04	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	561
(3)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	93
(3)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	7
(3)	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	826
(3)	716-02.15	PLASTIC PAVEMENT MARKING (U TURN ARROW)	EACH	4
	716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	24
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	1.58
	716-12.03	ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE)	L.F.	2097
	716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	515
	717-01	MOBILIZATION	LS	1
(1)(9)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	106
(1)	740-11.03	TEMPORARY SEDIMENT TUBE 18IN	L.F.	77
(2)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	50
	801-03	WATER (SEEDING & SODDING)	M.G.	61
	803-01	SODDING (NEW SOD)	S.Y.	5525

FOOTNOTES

(1) ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER. SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.

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

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

(4) SEE GRADING SPECIAL NOTES ON SHEET 2D.

(5) BEDDING MATERIAL SHALL BE INCLUDED IN THE COST OF THE PROPOSED PIPE CULVERT. SEE STANDARD DRAWING NO. D-PB-1 AND D-PB-2 FOR ADDITIONAL DETAILS.

(6) ITEM TO BE USED AS DIRECTED BY THE ENGINEER.

(7) TO BE USED FOR ABANDONED PIPE UNDER SR 5.

(8) ALL SALVAGED ITEMS SHALL BECOME PROPERTY OF THE CONTRACTOR. SEE TABULATED QUANTITIES FOR ITEMS INCLUDED. SEE SHEETS 2F1 FOR TABULATION.

(9) TO BE USED FOR CULVERT PROTECTION (TYPE II).

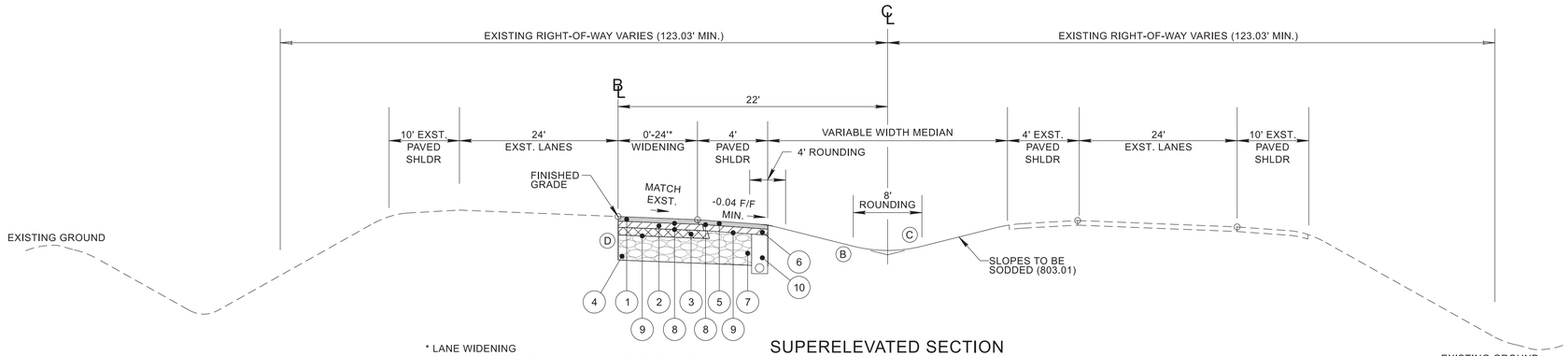
SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

1/20/2026 10:56:53 AM
C:\PWKH1\D0268543\27S005-SHT-ESTIMATED QUANTITIES.DGN

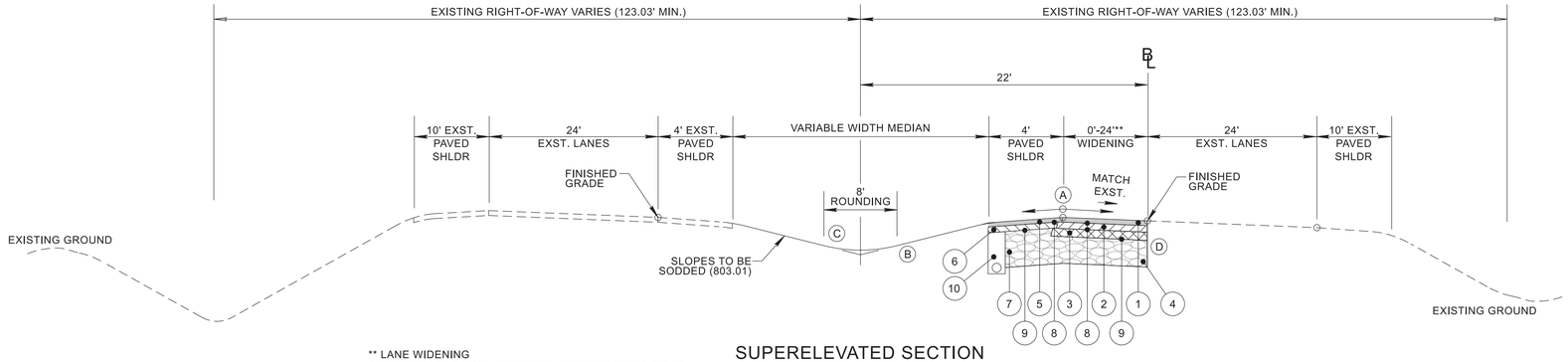
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	2B
PIH	2025	HSIP-5(114)	2B
PS&E	2026	HSIP-5(114)	2B



* LANE WIDENING
STA. 343+48.69 TO STA. 345+43.56 - 12-20' TURN LANE
STA. 345+43.56 TO STA. 346+69.13 - 0-12' WIDENING TAPER
STA. 350+60.06 TO STA. 354+04.91 - 0-24' WIDENING TAPER

SUPERELEVATED SECTION
SR 5

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 343+48.69 TO STA. 354+04.91



** LANE WIDENING
STA. 344+96.23 TO STA. 348+47.44 - 0-24' WIDENING TAPER
STA. 352+15.33 TO STA. 353+62.24 - 0-12' WIDENING TAPER
STA. 353+62.24 TO STA. 355+60.68 - 12-20' TURN LANE

SUPERELEVATED SECTION
SR 5

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 344+96.23 TO STA. 355+60.68

Ⓐ THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.

Ⓑ SEE STANDARD DRAWINGS RD11-S-11 AND RD11-S-11B FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES AND TOE OF FILL SLOPES, SPECIAL ROCK TREATMENT AND SUB GRADE ROUNDING IF APPLICABLE.

Ⓒ SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.

Ⓓ EXISTING PAVEMENT TO BE SAW-CUT AND TRIMMED TO STRAIGHT VERTICAL LINE. ANY LOOSE OR DISTURBED PAVEMENT MUST BE REMOVED AND REPLACED.

SEE SHEET 2B2 FOR PAVEMENT SCHEDULE

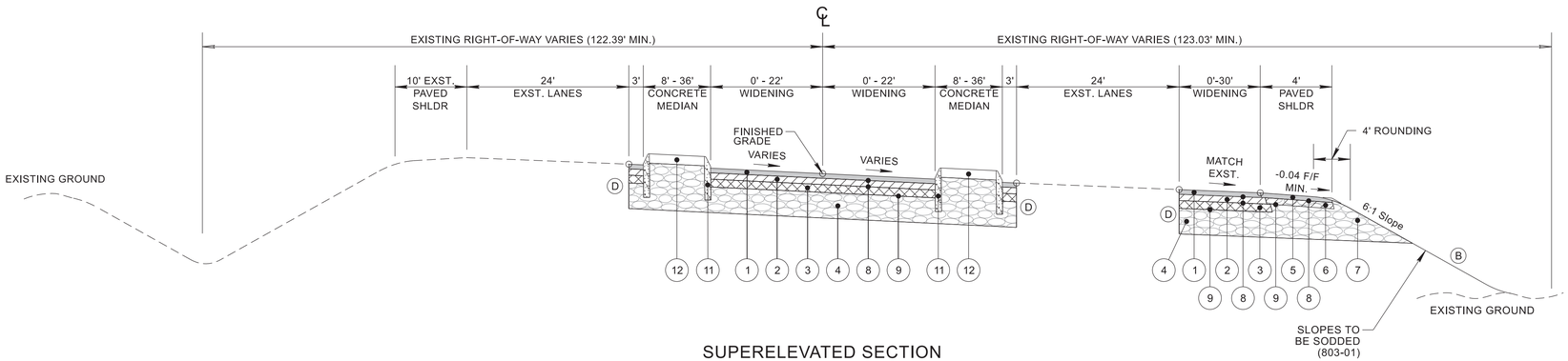
SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

2/17/2026 11:56:02 AM
C:\PWKH1\D0268543\27S005-SHT-TYPICAL SECTIONS.DGN

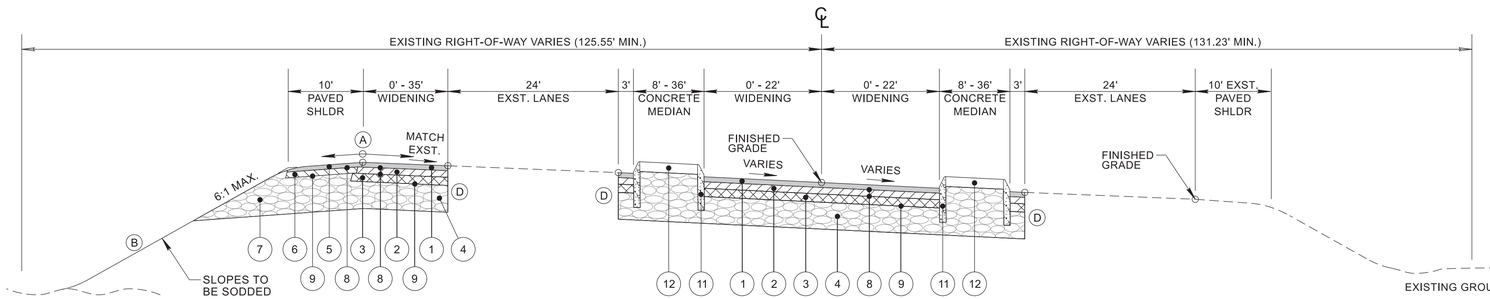
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	2B1
PIH	2025	HSIP-5(114)	2B1
PS&E	2026	HSIP-5(114)	2B1



SUPERELEVATED SECTION
SR 5

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 342+40.67 TO STA. 343+48.69

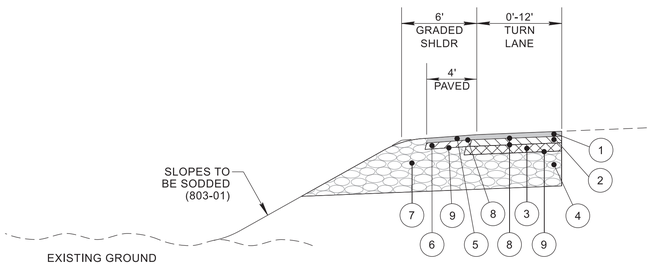
FROM STA. 342+42.22 TO STA. 345+29.73



FROM STA. 354+17.65 TO 356+65.71

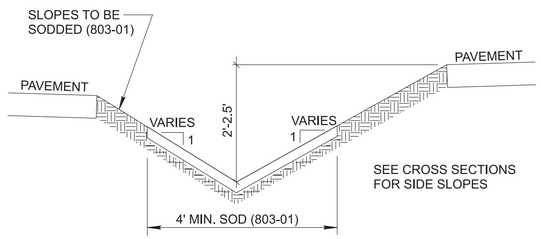
SUPERELEVATED SECTION
SR 5

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 355+60.68 TO STA. 356+70.68



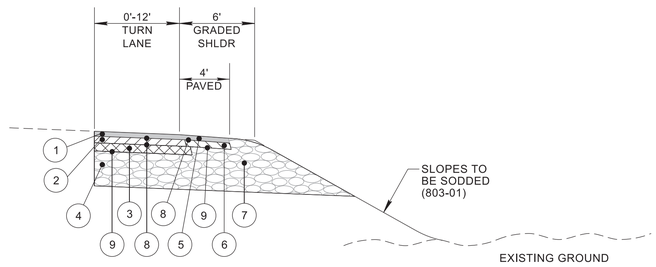
TANGENT SECTION
SR 5

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 349+82.19 TO STA. 353+58.28 LT



TYPICAL SECTION
'VEE DITCH'

STA. 343+28.29 TO STA. 348+37.44
NOT TO SCALE



TANGENT SECTION
SR 5

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 347+19.13.23 TO STA. 349+21.65 RT

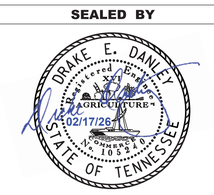
A THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.

B SEE STANDARD DRAWINGS RD11-S-11 AND RD11-S-11B FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES AND TOE OF FILL SLOPES, SPECIAL ROCK TREATMENT AND SUB GRADE ROUNDING IF APPLICABLE.

C SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.

D EXISTING PAVEMENT TO BE SAW-CUT AND TRIMMED TO STRAIGHT VERTICAL LINE. ANY LOOSE OR DISTURBED PAVEMENT MUST BE REMOVED AND REPLACED.

SEALED BY



SEE SHEET 2B2 FOR PAVEMENT SCHEDULE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

2/17/2026 11:56:07 AM
C:\PW\KH1\D0268543\27S005-SHT-TYPICAL SECTIONS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	2B2
PIH	2025	HSIP-5(114)	2B2
PS&E	2026	HSIP-5(114)	2B2

PROPOSED PAVEMENT SCHEDULE - ALL ROADWAYS

1	**ASPHALTIC CONCRETE SURFACE (HOT MIX) PG70-22** **GRADING "D" SURFACE @ 1.25 " THICK (APPROX. 132.5 LB./S.Y.)** ITEM NO. 411-02.10 ACS MIX (PG70-22) GRADING "D"	7	**MINERAL AGGREGATE BASE COURSE AT 13.75" THICK** ITEM NO. 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D".
2	**BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22** **GRADING "B-M2" @ 2.0" THICK (APPROX. 226.0 LB./S.Y.)** ITEM NO. 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	8	**TACK COAT** ITEM NO. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD)
3	**BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22** **GRADING "A" @ 3.75" THICK (APPROX. 431.25 LB./S.Y.)** ITEM NO. 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	9	**PRIME COAT** ITEM NO. 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (RATE = 0.30 - 0.35 GALLONS/SY) ITEM NO. 402-02 AGGREGATE FOR COVER MATERIAL (PC) (RATE = 8 - 12 LBS/SY)
4	**MINERAL AGGREGATE BASE COURSE AT 10.0" THICK** ITEM NO. 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D".	10	**UNDERDRAIN (SEE STD. DWG. RD-UD-3** ITEM NO. 710-02 AGGREGATE UNDERDRAINS (WITH PIPE)
5	**ASPHALTIC CONCRETE SURFACE (HOT MIX) PG64-22** **GRADING "E" SURFACE @ 1.25 " THICK (APPROX. 132.5 LB./S.Y.)** ITEM NO. 411-01.07 ACS MIX (PG64-22) GRADING "E"	11	**6" SLOPING DETACHED CONCRETE CURB** ITEM NO. 702-01 CONCRETE CURB STANDARD DRAWING RP-SC-1
6	**BITUMINOUS PLANT MIX BASE (HOT MIX) PG64-22** **GRADING "B-M2" @ 2.0" THICK (APPROX. 226.0 LB./S.Y.)** ITEM NO. 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	12	**CONCRETE MEDIAN (4")** ITEM NO. 701-03 CONCRETE MEDIAN PAVEMENT

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT SCHEDULE

1/20/2026 10:57:32 AM
C:\PWKH1\D0268543\27S005-SHT-TYPICAL SECTIONS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-5(114)	2C
PS&E	2026	HSIP-5(114)	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

(1) ALL EXISTING ROADS WITHIN THE RIGHT-OF-WAY AND NOT IN THE GRADED AREA THAT ARE TO BE ABANDONED SHALL BE SCARIFIED, OBLITERATED, TOPSOILED AND SEEDED. SCARIFYING AND OBLITERATING THE PAVEMENT WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS. TOPSOIL, IN ACCORDANCE WITH SECTION 203 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 203-04 AND/OR 203-07.

(2) SOD SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS TO PREVENT DAMAGE TO ADJACENT FACILITIES AND PROPERTY DUE TO EROSION ON ALL NEWLY GRADED CUT AND FILL SLOPES AS WORK PROGRESSES.

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 .

(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.

(7) ALL EXISTING PIPES AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER THAT ARE TO BE LEFT IN PLACE AND ABANDONED MUST BE BACKFILLED AND PLUGGED. ALL COST FOR THIS WORK SHALL BE INCLUDED IN ITEM NO. 204-08.01, BACKFILL MATERIAL (FLOWABLE FILL), C.Y.

MISCELLANEOUS

(1) ALL DETOUR, ACCESS, SERVICE AND FRONTAGE ROADS SHALL BE CONSTRUCTED WITH A MINIMUM OF ONE (1) COURSE OF BASE MATERIAL BEFORE TRAFFIC IS INTERRUPTED ON EXISTING ROADS.

(2) 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.

(3) 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

FINAL PAVEMENT MARKING

(8) 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.

(9) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 8" 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. 716-12.03, ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE), L.F. 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.

SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

(19) 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.

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

(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 REGIONAL OPERATIONS OFFICE.

(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.

(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.

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

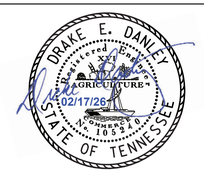
(12) ALL SIGNS WHICH INTERFERE WITH CONSTRUCTION WILL BE RELOCATED OUTSIDE LIMITS OF CONSTRUCTION BY THE CONTRACTOR. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR WILL RESTORE THE SIGNS TO ORIGINAL LOCATION. THE CONTRACTOR SHALL CHECK WITH THE REGIONAL TRAFFIC ENGINEER PRIOR TO MOVING ANY PERMANENT SIGNS.

(13) AFTER THE PERMANENT SIGN LOCATIONS HAVE BEEN STAKED, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE CONSTRUCTION FIELD OFFICE. 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.

TRAFFIC CONTROL DIRECTIONAL SIGNING

(7) WHEN EXISTING "TOURIST ORIENTED DIRECTIONAL SIGNS" (TODS) ARE ON NON-ACCESS CONTROLLED CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THESE SIGNS IN FULL VIEW TO THE MOTORING PUBLIC DURING ALL PHASES OF CONSTRUCTION. ALL WORK IN MOVING THESE "TODS" AND TEMPORARY SUPPORTS ARE TO BE PAID FOR UNDER ITEM NO. 712-01, AS DIRECTED BY THE ENGINEER. NEW SUPPORTS AND SIGN FACE FOR FINAL LOCATION WILL BE PAID FOR UNDER OTHER ITEMS OF CONSTRUCTION.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

2/17/2026 11:56:28 AM
C:\PWKH1\D0268543\27S005-SHT-GENERAL NOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-5(114)	2C1
PS&E	2026	HSIP-5(114)	2C1

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.

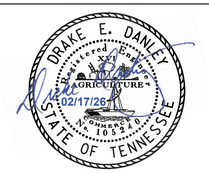
(6) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS 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



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL
NOTES

1/20/2026 10:58:17 AM
C:\PWKH1\D0268543\27S005-SHT-GENERAL NOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-5(114)	2D
PS&E	2026	HSIP-5(114)	2D

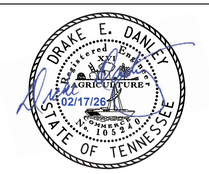
SPECIAL NOTES

GRADING

(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.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL
NOTES

1/20/2026 10:58:55 AM
C:\PWKH1\D0268543\27S005-SHT-SPECIAL NOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	2E
PIH	2025	HSIP-5(114)	2E
PS&E	2026	HSIP-5(114)	2E

ENVIRONMENTAL NOTES

SUBSECTION 1 – ENVIRONMENTAL GENERAL 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.

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.

SUBSECTION 2 – ENVIRONMENTAL SPECIAL NOTES

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 PRECONSTRUCTION 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

(5) THIS PROJECT SCOPE OF WORK INVOLVES WIDENING OF STATE ROUTE 5 TO CREATE A LEFT TURN LANE AND INSTALL A J-TURN STYLE INTERSECTION.

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

1/20/2026 10:59:21 AM C:\PWKH1\D0268543\27S005-SHT-ENVIRONMENTAL NOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	2F
PIH	2025	HSIP-5(114)	2F
PS&E	2026	HSIP-5(114)	2F

MEDIAN DRAIN TABULATION

STATION	SKEW	RCP CLASS III FILL HEIGHT ≤ 16 FT. (L.F.)				END TREATMENT				REMARKS
						INLET		OUTLET		
		18"	24"	30"	36"	TYPE	DRAWING NO.	TYPE	DRAWING NO.	
342+76.03	80º	90				SEW	D-SEW-12D	SEW	D-SEW-12D	
356+24.31	79º	74				SEW	D-SEW-12D	JB	D-RJB-1	
356+76.13	85º	24				SEW	D-SEW-12D	JB	D-RJB-1	
TOTALS		188								

CATCH BASINS AND MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	JUNC. STRC. 60 IN ROUND 611-63.10 4' - 8'	TYPE 38 C.B. 611-38.02 4' - 8'	REMARKS
4B	SR 5	347+36.95	0.00'	JB1	337.19	JB	5'	4.06	D-RJB-1	1		
4B	SR 5	347+41.68	10' LT	CB1	337.72	38RB	5'	5.29	D-CB-38RB		1	
5B	SR 5	356+62.55	0.00'	JB2	328.02	JB	5'	6.49	D-RJB-1	1		
TOTALS										2	1	

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)
	EXC.	EMB.	EXC.
MAINLINE	789	2957	592
SIDE ROADS			
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES			
INDEPENDENT DITCHES			
TEMPORARY CONSTRUCTION EXITS			
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)			
TOPSOIL (EMB.)	509		
TOPSOIL (EXC.)	261		
TOPSOIL TOTALS (SEE TOPSOIL TABLE)			

ROCK(C.Y.)		TOTALS (C.Y.)				
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	1559	2957	1559	789	592

BALANCE SUMMARY

SHRINK = 25 % SWELL = 25 %

EMB.		EXC.
2957	VS.	-592
AVAILABLE	=	2365
BORROW MATERIAL	=	2957

STORM DRAINAGE ENDWALLS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	STRUCTURE TYPE	STANDARD DRAWING	RIP-RAP CLASS A-1 709-05.06 (TON)	PROTECTED ENDWALLS		
								CLASS A CONC. 611-07.01 (C.Y.)	REINF. STEEL 611-07.02 (LB.)	18" 12:1 611-07.73 (EACH)
5B	SR 5	342+31.52	0.00'	HW1	18" SAFETY	D-SEW-12D				1
5B	SR 5	343+20.73	12.81' RT	HW2	18" SAFETY	D-SEW-12D				1
6B	SR 5	355+88.27	12.95' LT	HW3	18" SAFETY	D-SEW-12D				1
6B	SR 5	356+87.70	0.00'	HW4	18" SAFETY	D-SEW-12D				1
TOTALS							0	0	0	4

PAVEMENT QUANTITIES

LOCATION (ROADWAY)	MINERAL AGGREGATE	BITUMINOUS PLANT MIX BASE (HOT MIX)				PRIME		TACK	ASPHALTIC CONCRETE SURFACE (HOT MIX)	
		PG-64-22	PG-70-22						PG-64-22	PG-70-22
	TYPE A	B-M2	A-S	A	B-M2	COAT		COAT	E	D
	303-01	307-01.08	307-01.21	307-02.01	307-02.08	402-01	402-02	403-01	411-01.07	411-02.10
SR 5	4292	140		1066	559	8.59	31.87	3.61	80	328
TOTALS	4292	140		1066	559	9	32	4	80	328

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

1/20/2026 11:00:05 AM
C:\PW\KH1\D0268543\27S005-SHT-TABULATED QUANTITIES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-5(114)	2F1
PS&E	2026	HSIP-5(114)	2F1

REMOVAL OF STRUCTURES

SHEET NO.	STATION	LOCATION	DESCRIPTION	REMARKS
4	349+11.99	-4.65 LT	ENDWALL	
4	349+91.19	3.48' RT	ENDWALL	

REMOVAL OF SIGNS, POST, AND FOOTINGS

SHEET NO.	STATION	LOCATION	DESCRIPTION	REMARKS
4	342+97.29	62.82' RT	W2-1, D1-2 (INTERSECTION WARNING, DESTINATION (2 LINES))	
4	342+97.30	16.16' RT	W2-1 (INTERSECTION WARNING)	
4	346+63.37	11.21' RT	R5-1A (WRONG WAY)	
4	348+79.52	66.61' RT	R5-1 (DO NOT ENTER)	
4	348+84.70	67.01' RT	R6-2 (ONE WAY)	
4	348+93.38	77.66' RT	R1-1 (STOP SIGN)	
4	348+94.53	2.73' RT	R5-1 (DO NOT ENTER)	
4	349+23.03	6.92' LT	R6-1, R1-2 (ONE WAY, YIELD)	
4	349+86.65	6.95' RT	R6-1, R1-2 (ONE WAY, YIELD)	
4	350+13.24	0.34' LT	R5-1 (DO NOT ENTER)	
5	352+81.28	10.88' LT	R5-1A (WRONG WAY)	
5	355+47.86	65.78 LT	R2-1 (SPEED LIMIT)	

SEALED BY

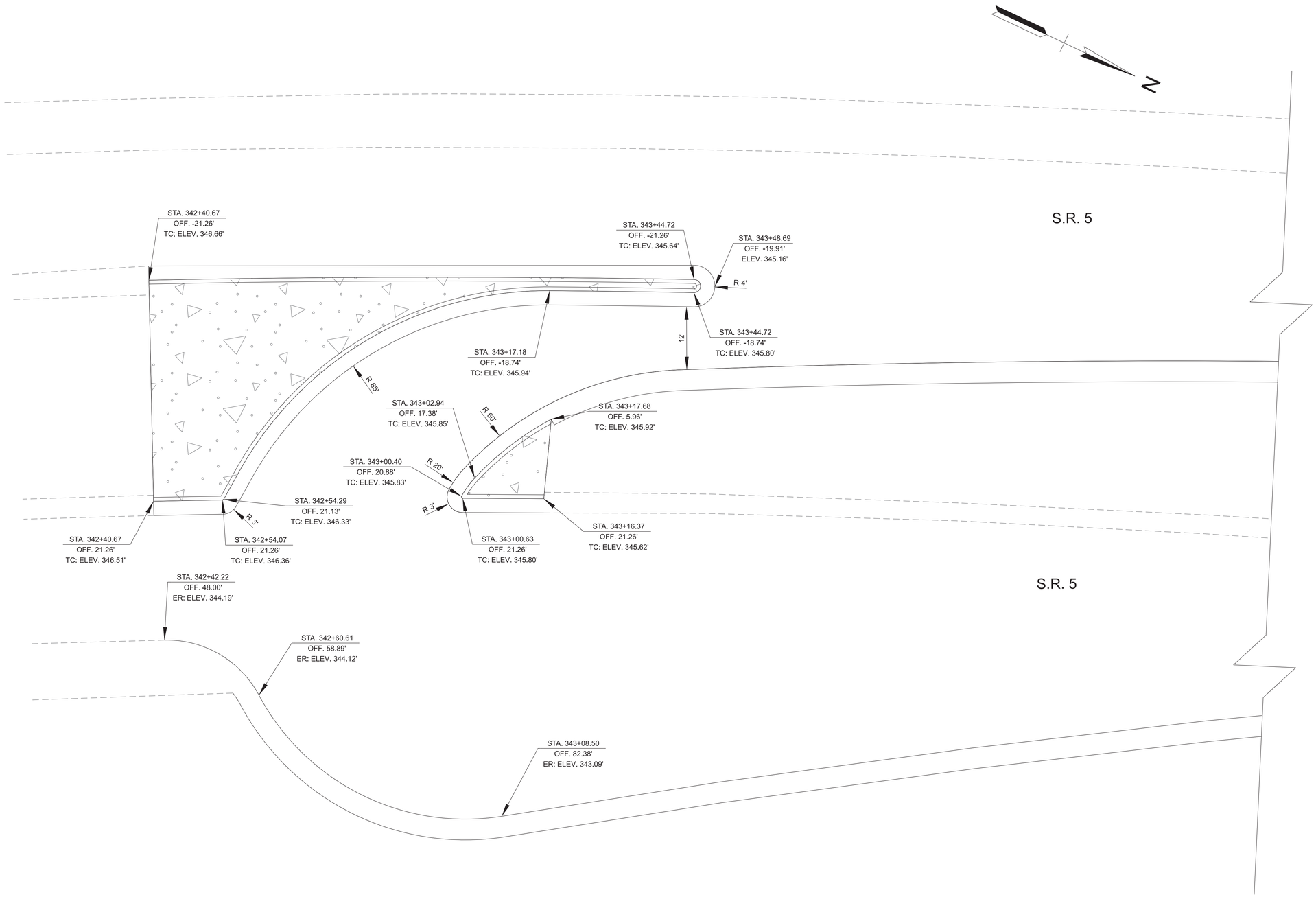
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 2 OF 2

1/20/2026 11:00:26 AM
C:\PW\KH1\D0268543\27S005-SHT-TABULATED QUANTITIES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	2G
PIH	2025	HSIP-5(114)	2G
PS&E	2026	HSIP-5(114)	2G



SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

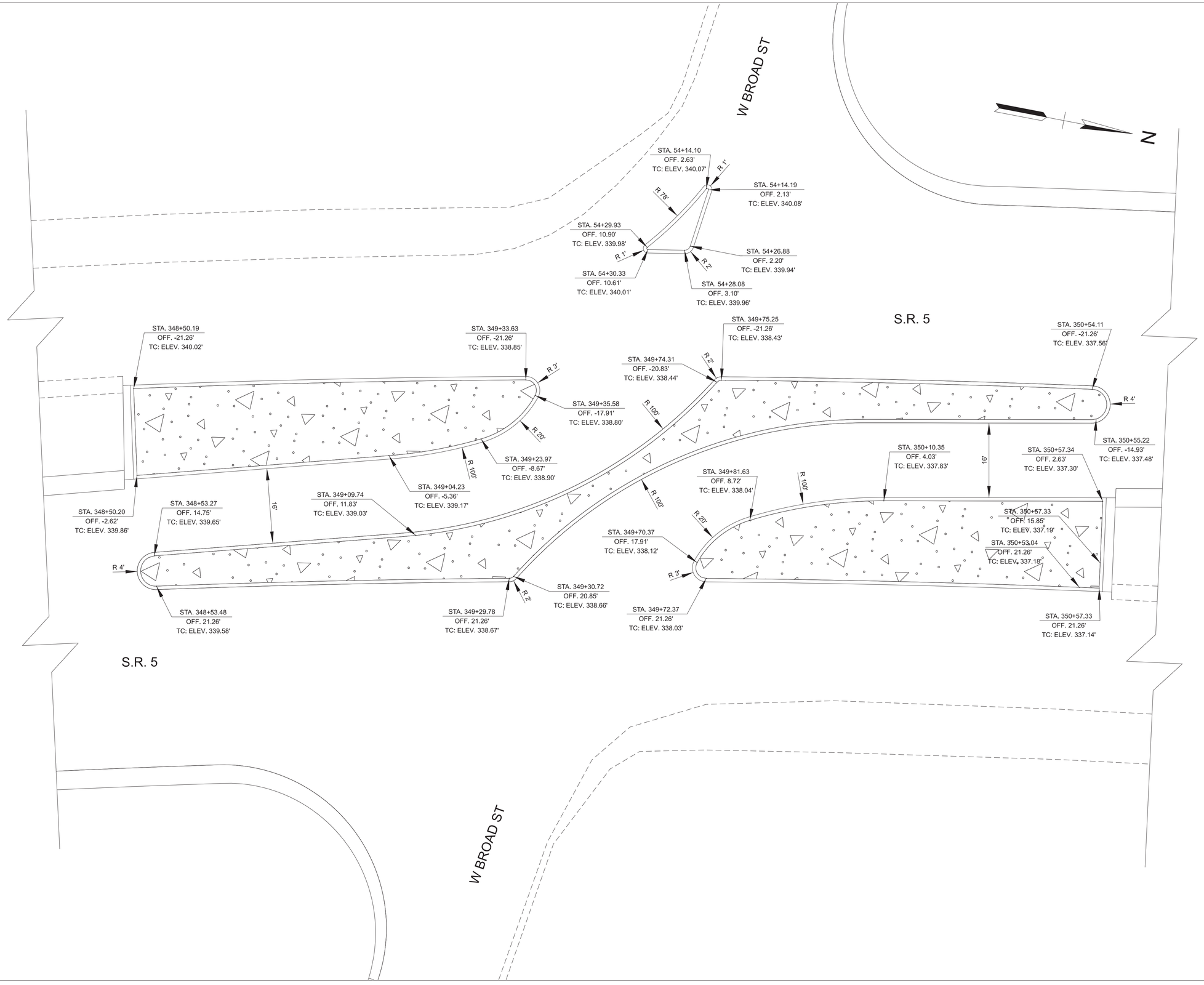
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS

SCALE: 1"=10'

1/20/2026 11:00:53 AM
C:\PWKH1\D0268543\27S005-SHT-DETAIL SHEETS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	2G1
PIH	2025	HSIP-5(114)	2G1
PS&E	2026	HSIP-5(114)	2G1



1/20/2026 11:00:54 AM
C:\PWKH1\D02685432\7S005-SHT-DETAIL SHEETS.DGN

SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

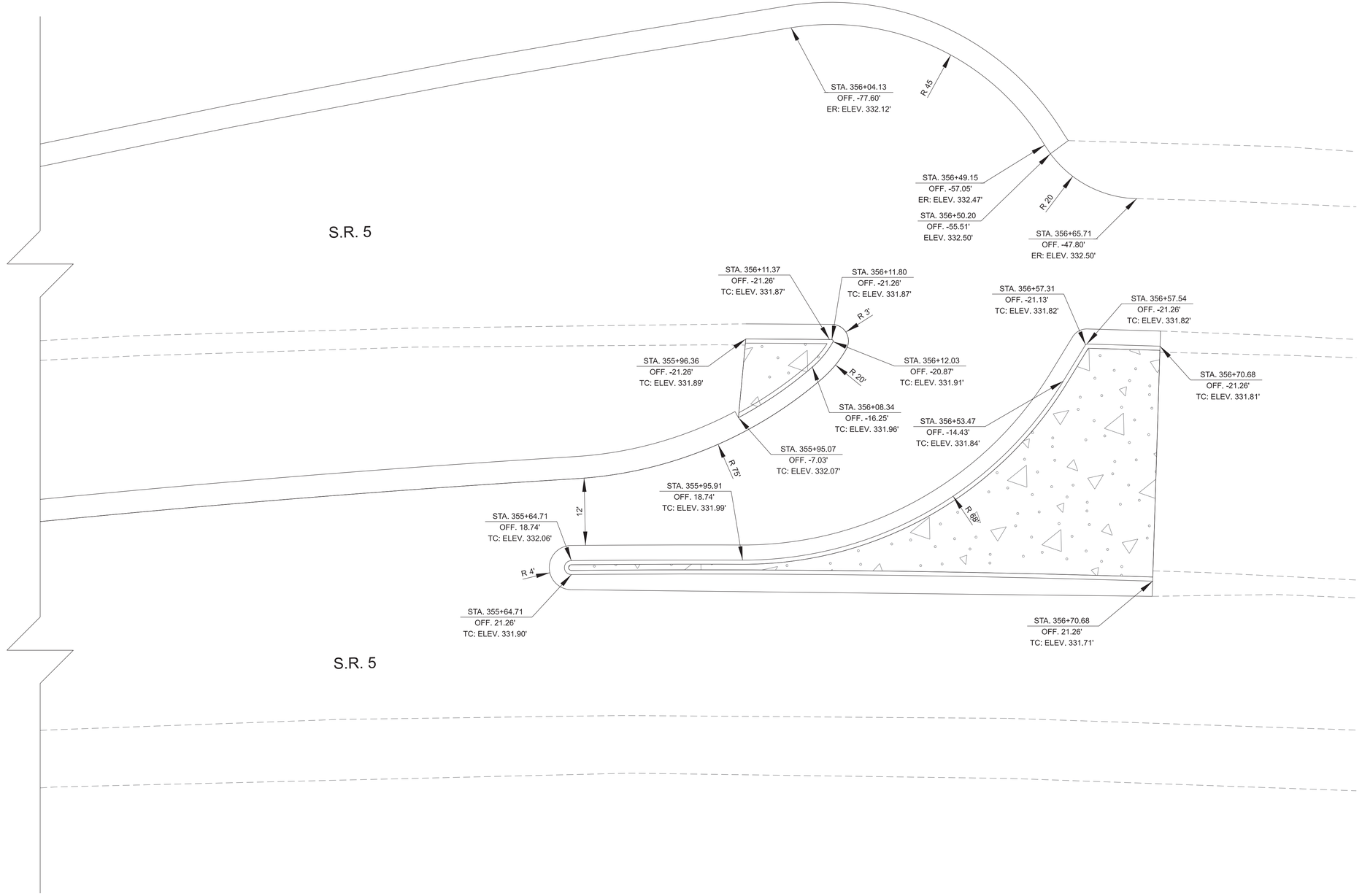
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS

SCALE: 1"=10'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	2G2
PIH	2025	HSIP-5(114)	2G2
PS&E	2026	HSIP-5(114)	2G2

N



SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS

SCALE: 1"=10'

1/20/2026 11:00:56 AM
C:\PW\KH1\D0268543\27S005-SHT-DETAIL SHEETS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	3
PIH	2025	HSIP-5(114)	3
PS&E	2026	HSIP-5(114)	3

RIGHT-OF-WAY

(1) IT IS INTENDED THAT ALL BUILDINGS AND/OR PORTIONS OF BUILDINGS THAT ARE WITHIN THE PROPOSED RIGHT-OF-WAY AND/OR EASEMENT LINES FOR THE PROJECT BE REMOVED THERE FROM IN THE PROCESS OF RIGHT-OF-WAY ACQUISITION. IF ANY SUCH BUILDINGS OR IMPROVEMENTS ARE NOT REMOVED IN THE COURSE OF RIGHT-OF-WAY ACQUISITION, THE CIVIL ENGINEERING MANAGER 2, PROJECT DEVELOPMENT DIVISION AND THE CIVIL ENGINEERING MANAGER 1, REGIONAL PROJECT DEVELOPMENT OFFICE TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.

(2) ALL RAMPS MUST CONFORM TO THE DEPARTMENT'S "POLICY ON FINANCING CONSTRUCTION OF PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS", THE MANUAL ON RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY, STANDARD DRAWING RP-R-1, AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.

(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.

(7) TRACT REMAINDERS NOT HAVING AN EXISTING DRIVEWAY WILL BE PROVIDED ONE 50-FOOT OPENING IN THE ACCESS CONTROL FENCE AND A DRIVEWAY WILL BE CONSTRUCTED UNLESS ACCESS IS PROVIDED FROM AN INTERSECTING ROAD OR BASED ON PHYSICAL CONDITIONS AND/OR CONFLICTS WITH OTHER DESIGN CONSIDERATIONS WHICH PREVENT AN ACCESS OPENING. PAVING OF THESE NEW DRIVEWAYS WILL BE IN ACCORDANCE TO THE 7 PERCENT CRITERIA PREVIOUSLY MENTIONED FOR EXISTING DRIVEWAYS.

(8) NEW DRIVEWAYS PROVIDED IN THE PLANS WILL BE PAVED BASED ON THE 7 PERCENT CRITERIA. THOSE 7 PERCENT OR STEEPER IN GRADE WILL BE PAVED AND THOSE FLATTER THAN 7 PERCENT WILL BE COVERED WITH BASE STONE.

(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.

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 & SEWER:
CITY OF DYER UTILITIES
105 S. MAIN ST.
DYER, TN 38330
CONTACT: ASHLEE STARKEY
OFFICE PHONE: 731 692 3767
CELL PHONE:
Email: ASTARKEY@CITYOFDYERTN.COM

ELECTRIC:
GIBSON COUNTY ELECTRIC MEMBERSHIP CORPORATION
1207 S. COLLEGE ST.
TRENTON, TN 38382
CONTACT: STACEY NICKS
OFFICE PHONE: 731 562 1360
CELL PHONE: 731 446 3236
Email: SNICKS@GIBSONEMC.COM

GAS:
GIBSON COUNTY UTILITY DISTRICT
1300 N HWY 45 BYPASS/P.O. BOX 350
TRENTON, TN 38382
CONTACT: BRYAN PATTERSON
OFFICE PHONE: 731 855 1454
CELL PHONE:
Email: BRIAN@GCUD.NET

TELEPHONE:
AT&T
3138 CYPRESS RIDGE DR.
EADS, TN 38028
CONTACT: DANIEL POTTS
OFFICE PHONE: 901 488 2359
CELL PHONE:
Email: DP7607@ATT.COM

FIBER:
AT&T
3138 CYPRESS RIDGE DR.
EADS, TN 38028
CONTACT: DANIEL POTTS
OFFICE PHONE: 901 488 2359
CELL PHONE:
Email: DP7607@ATT.COM

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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

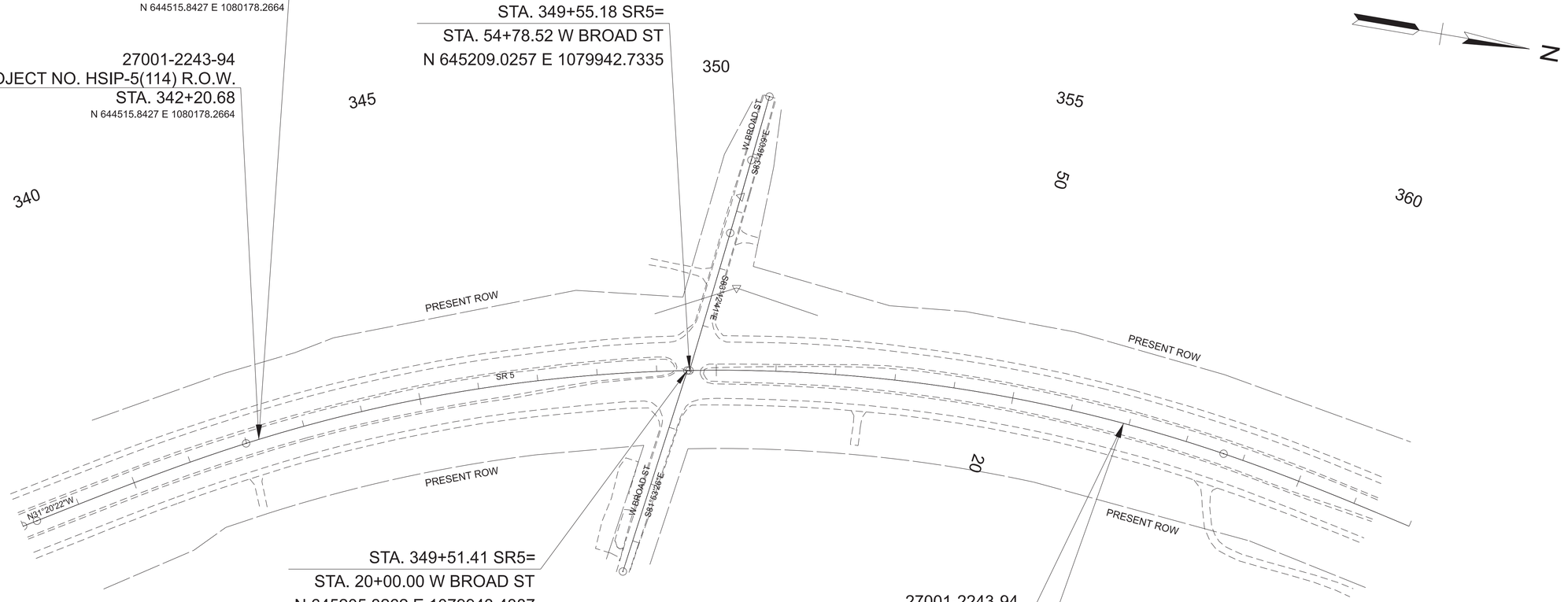
1/20/2026 11:01:13 AM
C:\PWKH1\D0268543\27S005-SHT-ROW NOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	3A
PIH	2025	HSIP-5(114)	3A
PS&E	2026	HSIP-5(114)	3A

27001-3243-94
BEGIN PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 342+20.68
N 644515.8427 E 1080178.2664

27001-2243-94
BEGIN PROJECT NO. HSIP-5(114) R.O.W.
STA. 342+20.68
N 644515.8427 E 1080178.2664

STA. 349+55.18 SR5=
STA. 54+78.52 W BROAD ST
N 645209.0257 E 1079942.7335



STA. 349+51.41 SR5=
STA. 20+00.00 W BROAD ST
N 645205.3262 E 1079943.4387

27001-2243-94
END PROJECT NO. HSIP-5(114) R.O.W.
STA. 356+90.70
N 645941.3229 E 1079907.9203

27001-3243-94
END PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 356+90.70
N 645941.3229 E 1079907.9203

DISTURBED AREA		
IN BETWEEN SLOPE LINES	2.390	(AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	0.371	(AC)
TOTAL DISTURBED AREA	2.761	(AC)
TOTAL PROJECT AREA	9.353	(AC)

SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

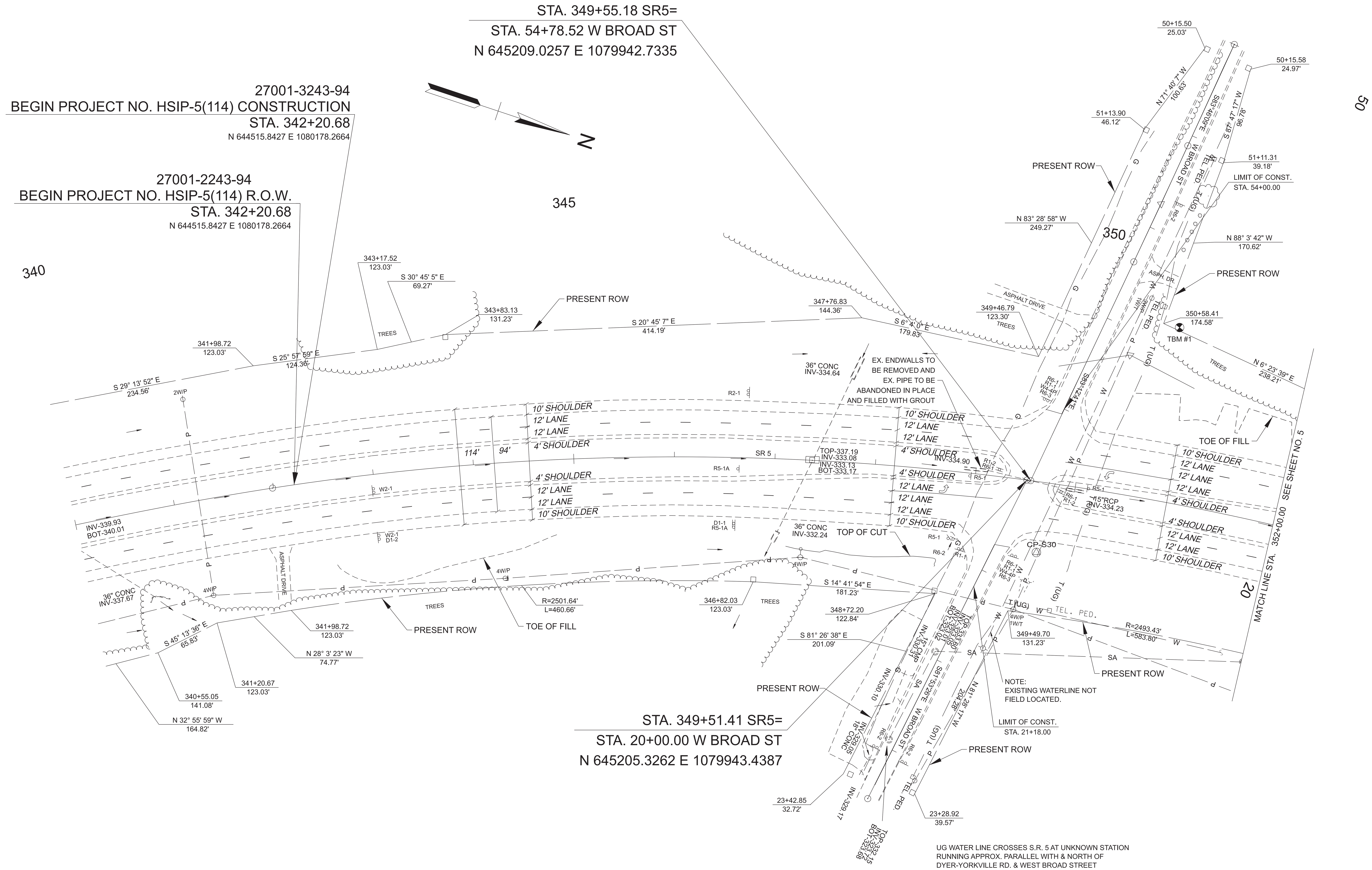
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 338+00 TO STA. 362+00
SCALE: 1" = 100'

1/20/2026 11:01:51 AM
K:\MEM_Roadway\115004109 - SR 5 Gibson County\Cadd\Plans\27S005-SHT-Property Map.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	4
PIH	2025	HSIP-5(114)	4
PS&E	2026	HSIP-5(114)	4



CONTROL POINTS WITHIN APPROX. SURVEY LIMITS ALONG S.R. 5					
PT. NO.	NORTHING	EASTING	ELEVATION (FT.)	STATION	OFFSET (FT)
CP-S30 (GPS-30)	N 645236.9848	E 1080008.7201	333.658	349+70.75	70.00 RT

SEALED BY

DRAKE E. DANLEY
STATE OF TENNESSEE
02/17/26

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

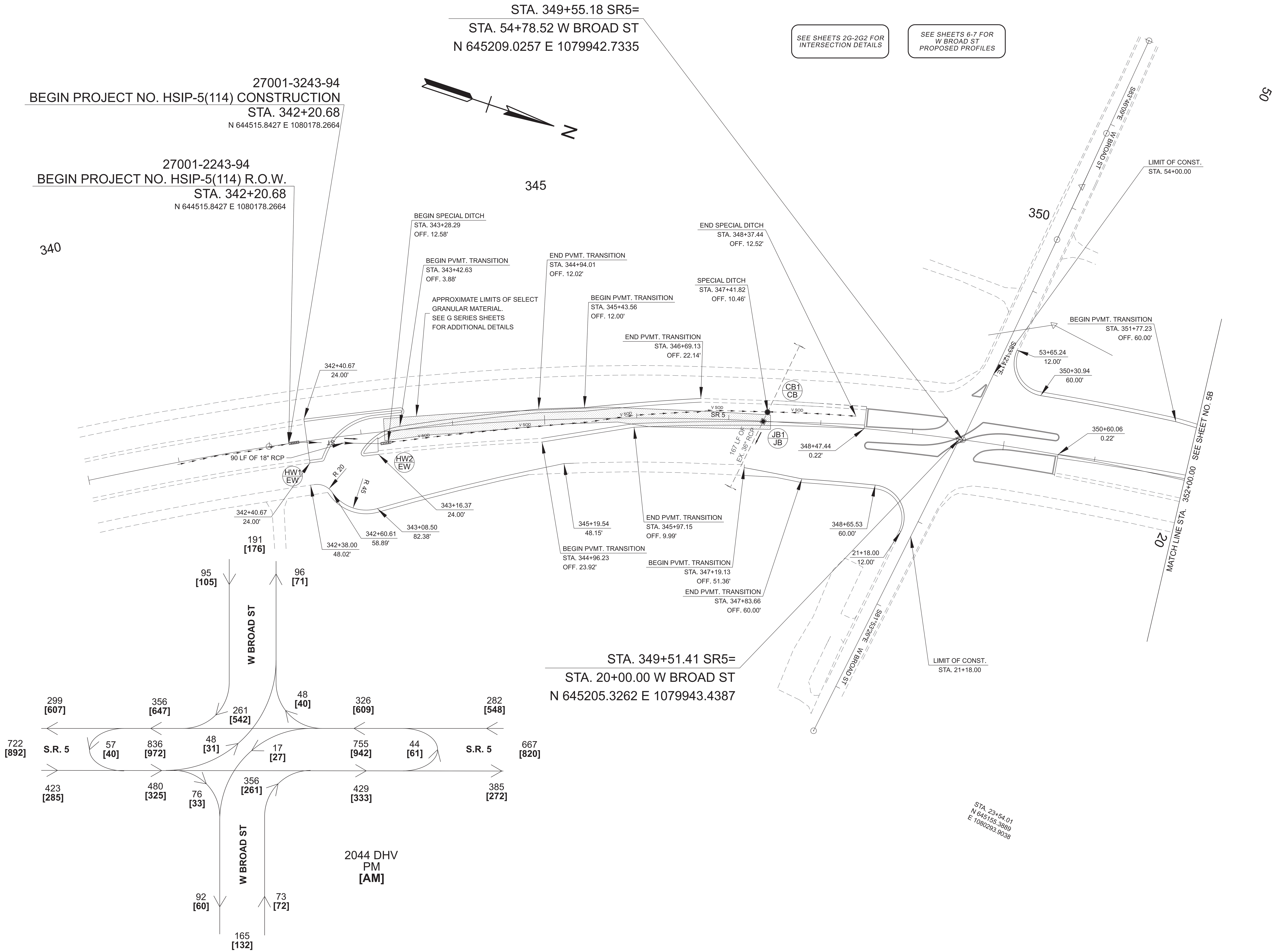
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 340+00 TO STA. 352+00
SCALE: 1" = 50'

1/20/2026 11:02:14 AM
C:\PWKH1D0268543\27S005-SHT-PRESENT LAYOUT.DGN

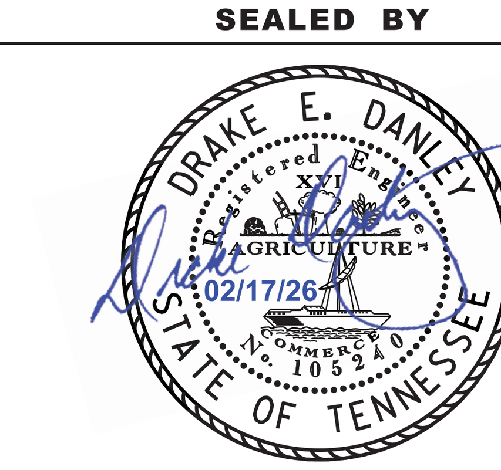
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	4B
PIH	2025	HSIP-5(114)	4B
PS&E	2026	HSIP-5(114)	4B



STA. 349+55.18 SR5=
STA. 54+78.52 W BROAD ST
N 645209.0257 E 1079942.7335
SEE SHEETS 2G-2G2 FOR INTERSECTION DETAILS
SEE SHEETS 6-7 FOR W BROAD ST PROPOSED PROFILES
27001-3243-94
BEGIN PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 342+20.68
N 644515.8427 E 1080178.2664
27001-2243-94
BEGIN PROJECT NO. HSIP-5(114) R.O.W.
STA. 342+20.68
N 644515.8427 E 1080178.2664
N
340
345
350
50
20
BEGIN SPECIAL DITCH
STA. 343+28.29
OFF. 12.58'
BEGIN PVMT. TRANSITION
STA. 343+42.63
OFF. 3.88'
APPROXIMATE LIMITS OF SELECT GRANULAR MATERIAL. SEE G SERIES SHEETS FOR ADDITIONAL DETAILS
END PVMT. TRANSITION
STA. 344+94.01
OFF. 12.02'
BEGIN PVMT. TRANSITION
STA. 345+43.56
OFF. 12.00'
END PVMT. TRANSITION
STA. 346+69.13
OFF. 22.14'
END SPECIAL DITCH
STA. 348+37.44
OFF. 12.52'
SPECIAL DITCH
STA. 347+41.82
OFF. 10.46'
W BROAD ST
LIMIT OF CONST.
STA. 54+00.00
BEGIN PVMT. TRANSITION
STA. 351+77.23
OFF. 60.00'
53+65.24
12.00'
350+30.94
60.00'
350+60.06
0.22'
SEE SHEET NO. 5B
MATCH LINE STA. 352+00.00
342+40.67
24.00'
90 LF OF 18" RCP
HW1 EW
HW2 EW
CB1 CB
JB1 JB
SR 5
167 LF OF EX. 36" RCP
348+47.44
0.22'
R 20
R 45
342+40.67
24.00'
343+16.37
24.00'
342+60.61
58.89'
343+08.50
82.38'
342+38.00
48.02'
345+19.54
48.15'
END PVMT. TRANSITION
STA. 345+97.15
OFF. 9.99'
BEGIN PVMT. TRANSITION
STA. 344+96.23
OFF. 23.92'
BEGIN PVMT. TRANSITION
STA. 347+19.13
OFF. 51.36'
END PVMT. TRANSITION
STA. 347+83.66
OFF. 60.00'
348+65.53
60.00'
21+18.00
12.00'
LIMIT OF CONST.
STA. 21+18.00
STA. 349+51.41 SR5=
STA. 20+00.00 W BROAD ST
N 645205.3262 E 1079943.4387
STA. 23+54.01
N 645155.3889
E 1080283.9038
191 [176]
95 [105]
96 [71]
W BROAD ST
299 [607]
356 [647]
261 [542]
48 [40]
326 [609]
282 [548]
722 [892]
S.R. 5
57 [40]
836 [972]
48 [31]
17 [27]
755 [942]
44 [61]
S.R. 5
667 [820]
423 [285]
480 [325]
76 [33]
356 [261]
429 [333]
385 [272]
W BROAD ST
2044 DHV
PM
[AM]
92 [60]
73 [72]
165 [132]

SELECT GRANULAR MATERIAL

SEALED BY



COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

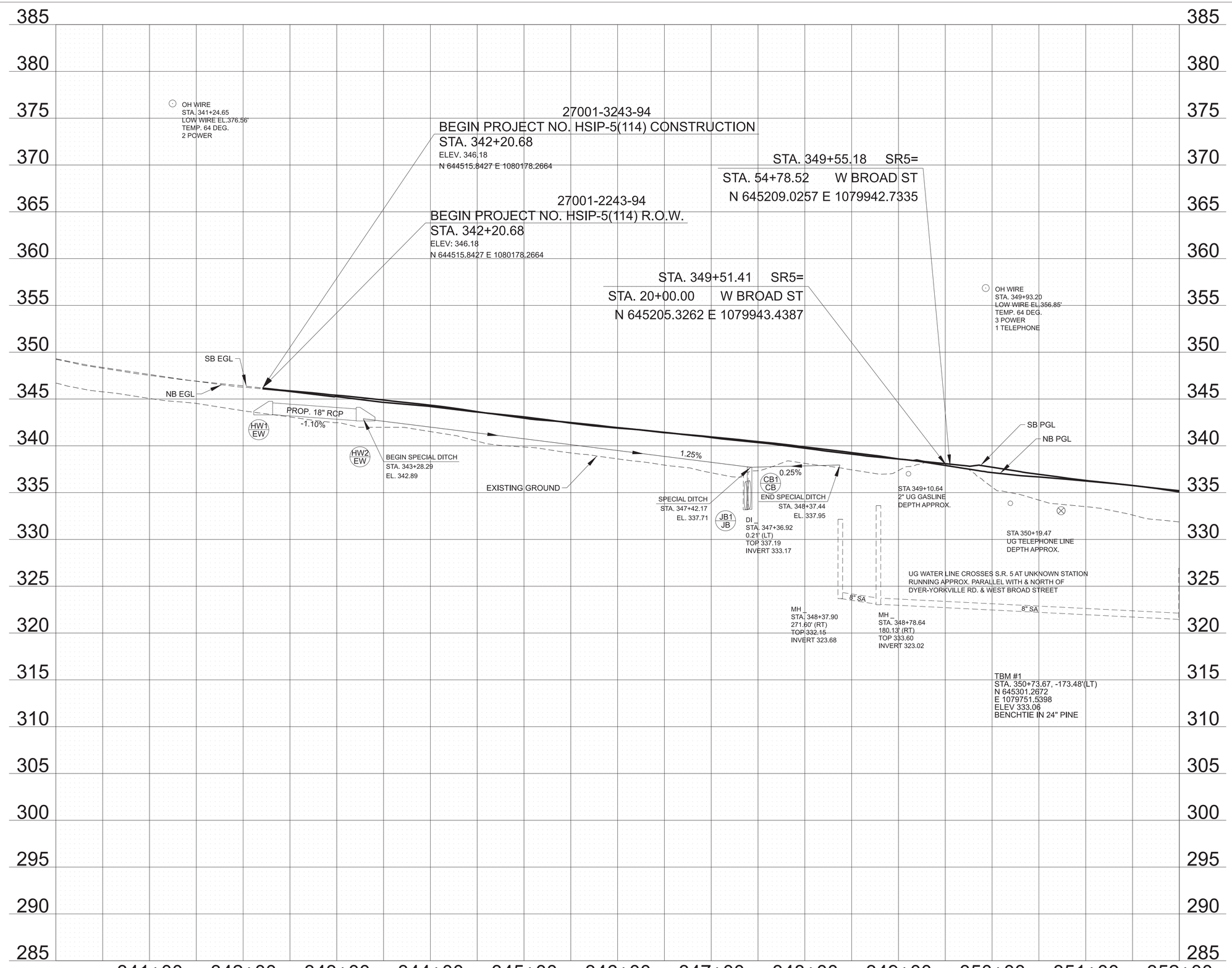
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

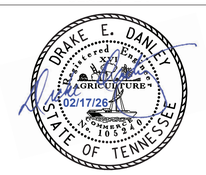
STA. 340+00 TO STA. 352+00
SCALE: 1" = 50'

2/3/2026 11:19:04 AM
C:\PWKH1D026854\27S005-SHT-PROPOSED LAYOUT.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	4C
PIH	2025	HSIP-5(114)	4C
PS&E	2026	HSIP-5(114)	4C



SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

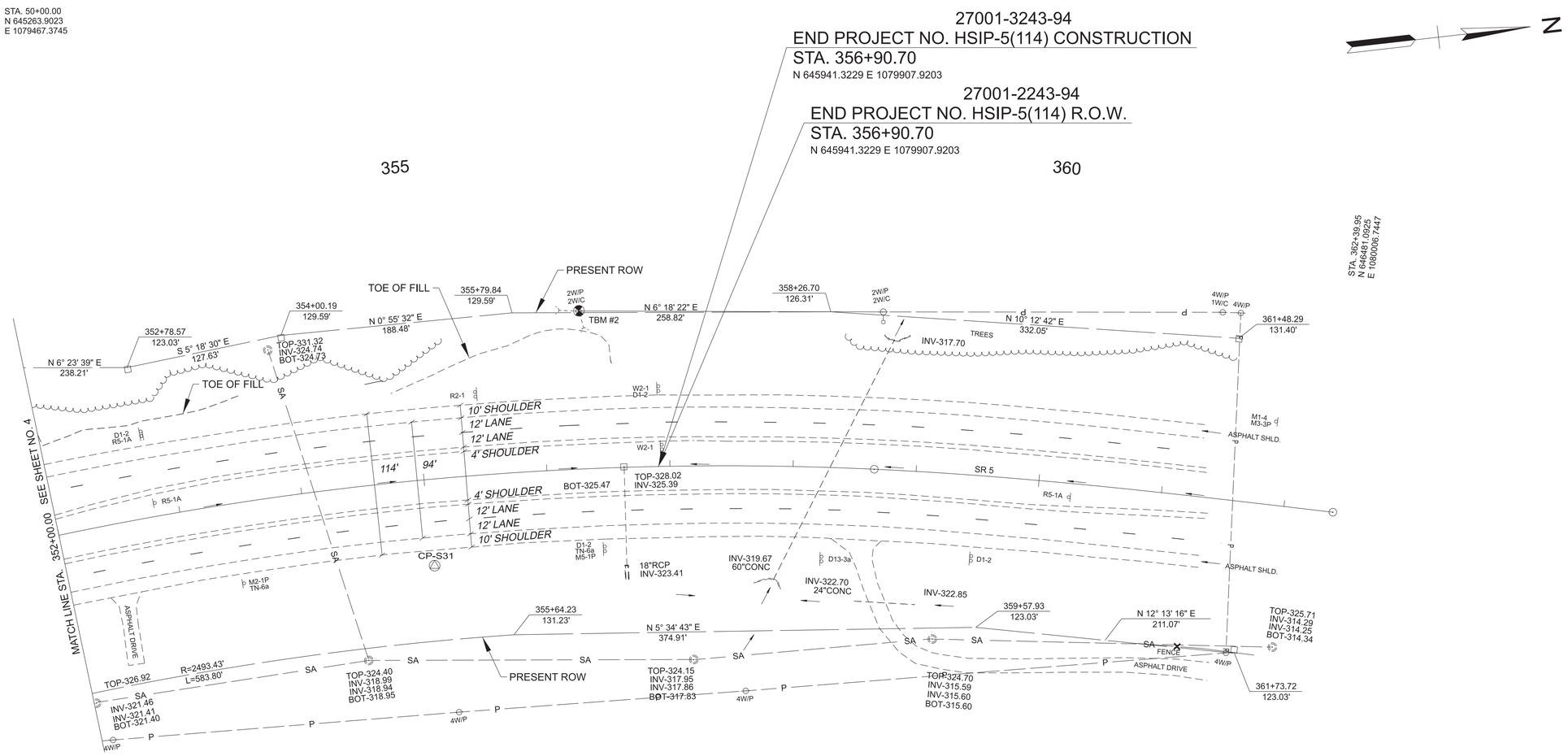
PROPOSED PROFILE

STA. 340+00 TO STA. 352+00

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

1/20/2026 11:14:53 AM
C:\PWKH1\D0026854\3\27S005-SHT-PROPOSED PROFILES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	5
PIH	2025	HSIP-5(114)	5
PS&E	2026	HSIP-5(114)	5



CONTROL POINTS WITHIN APPROX. SURVEY LIMITS ALONG S.R. 5					
PT. NO.	NORTHING	EASTING	ELEVATION (FT.)	STATION	OFFSET (FT)
CP-S31 (GPS-31)	N 645751.6337	E 1079967.3449	327.533	355+02.13	70.12 RT

SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 352+00 TO STA. 362+40
SCALE: 1" = 50'

1/20/2026 11:02:15 AM
C:\PW\KH1\D0268543\27S005-SHT-PRESENT LAYOUT.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	5B
PIH	2025	HSIP-5(114)	5B
PS&E	2026	HSIP-5(114)	5B

SEE SHEETS 2G-2G2 FOR INTERSECTION DETAILS

STA. 50+00.00
N 645263.9023
E 1079467.3745

27001-3243-94
END PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 356+90.70
N 645941.3229 E 1079907.9203

27001-2243-94
END PROJECT NO. HSIP-5(114) R.O.W.
STA. 356+90.70
N 645941.3229 E 1079907.9203

355

360

N

STA. 362+39.95
N 646481.0925
E 1080086.7447

356+70.68
24.00'

356+04.13
77.60'

356+65.71
47.80'

END PVMT. TRANSITION
STA. 353+58.28
OFF. 48.00'

356+49.15
57.05'

355+96.36
24.00'

END PVMT. TRANSITION
STA. 354+04.91
OFF. 23.55'

BEGIN PVMT. TRANSITION
STA. 353+06.78
OFF. 10.10'

354+27.53
47.75'

HW3
EW

R 45

R 20

74 LF OF
18" RCP
ST

HW4
EW

SR 5

24 LF OF 18" RCP

219 LF OF EX. 24" RCP

JB2
JB

78 LF OF
EX. 18" RCP

356+70.68
24.00'

EX. 18" RCP
STA. 356+62.84
SKEW 89° 47' 28" LT

355+60.68
20.00'

END PVMT. TRANSITION
STA. 355+64.07
OFF. 4.02'

MATCH LINE STA. 352+00.00 SEE SHEET NO. 4B

BEGIN PVMT. TRANSITION
STA. 354+12.70
OFF. 12.02'

BEGIN PVMT. TRANSITION
STA. 352+15.33
OFF. 23.65'

END PVMT. TRANSITION
STA. 353+62.24
OFF. 12.00'

APPROXIMATE LIMITS OF SELECT GRANULAR MATERIAL. SEE G SERIES SHEETS FOR ADDITIONAL DETAILS

EX. 60" RCP
STA. 358+29.98
SKEW 65° 04' 26" LT

SELECT GRANULAR MATERIAL

SEALED BY

DRAKE E. DANIEL
Registered Engineer
AGRICULTURE
02/17/26
STATE OF TENNESSEE

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 352+00 TO STA. 362+40
SCALE: 1" = 50'

2/3/2026 11:19:05 AM
C:\PWKH1\D0268543\27S005-SHT-PROPOSED LAYOUT.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	5C
PIH	2025	HSIP-5(114)	5C
PS&E	2026	HSIP-5(114)	5C

380 375 370 365 360 355 350 345 340 335 330 325 320 315 310 305 300 295 290 285 280

353+00 354+00 355+00 356+00 357+00 358+00 359+00 360+00 361+00 362+00

27001-3243-94
END PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 356+90.70
ELEV: 331.25
N 646072.9796 E 1079923.5113

OH WIRE
STA. 361+59.35
LOW WIRE EL.357.91'
TEMP. 77 DEG.
4 POWER

27001-2243-94
END PROJECT NO. HSIP-5(114) R.O.W.
STA. 356+90.70
ELEV: 331.25
N 646072.9796 E 1079923.5113

NB PGL
SB PGL
NB EGL
SB EGL
EXISTING GROUND

PROP. 18" ROP
2.95%
18"
2.00%

HW3
EW

HW4
EW

JB2
JB

8" SA

MH _
STA. 352+01.88
139.63' (RT)
TOP 326.92
INVERT 321.40

STA 356+62.84
EXISTING 18" RCP
SKEW 89° 47' 28" LT
FLOWS RIGHT
INLET 325.39
OUTLET 323.41

DI _
STA. 356+62.61
0.44' (LT)
TOP 328.02
INVERT 325.47

MH _
STA. 357+17.79
157.08' (RT)
TOP 324.15
INVERT 317.83

TBM #2
STA. 356+31.60, -128.41'(LT)
N 645891.4101
E 1079775.0219
ELEV 323.99
BENCHTIE IN WOODEN POWERPOLE

STA 358+29.98
EXISTING 60" CONC
SKEW 65° 4' 26" LT
FLOWS LEFT
INLET 319.67
OUTLET 317.70

MH _
STA. 359+22.03
135.00' (RT)
TOP 324.70
INVERT 315.60

MH _
STA. 362+03.95
114.43' (RT)
TOP 325.71
INVERT 314.34

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

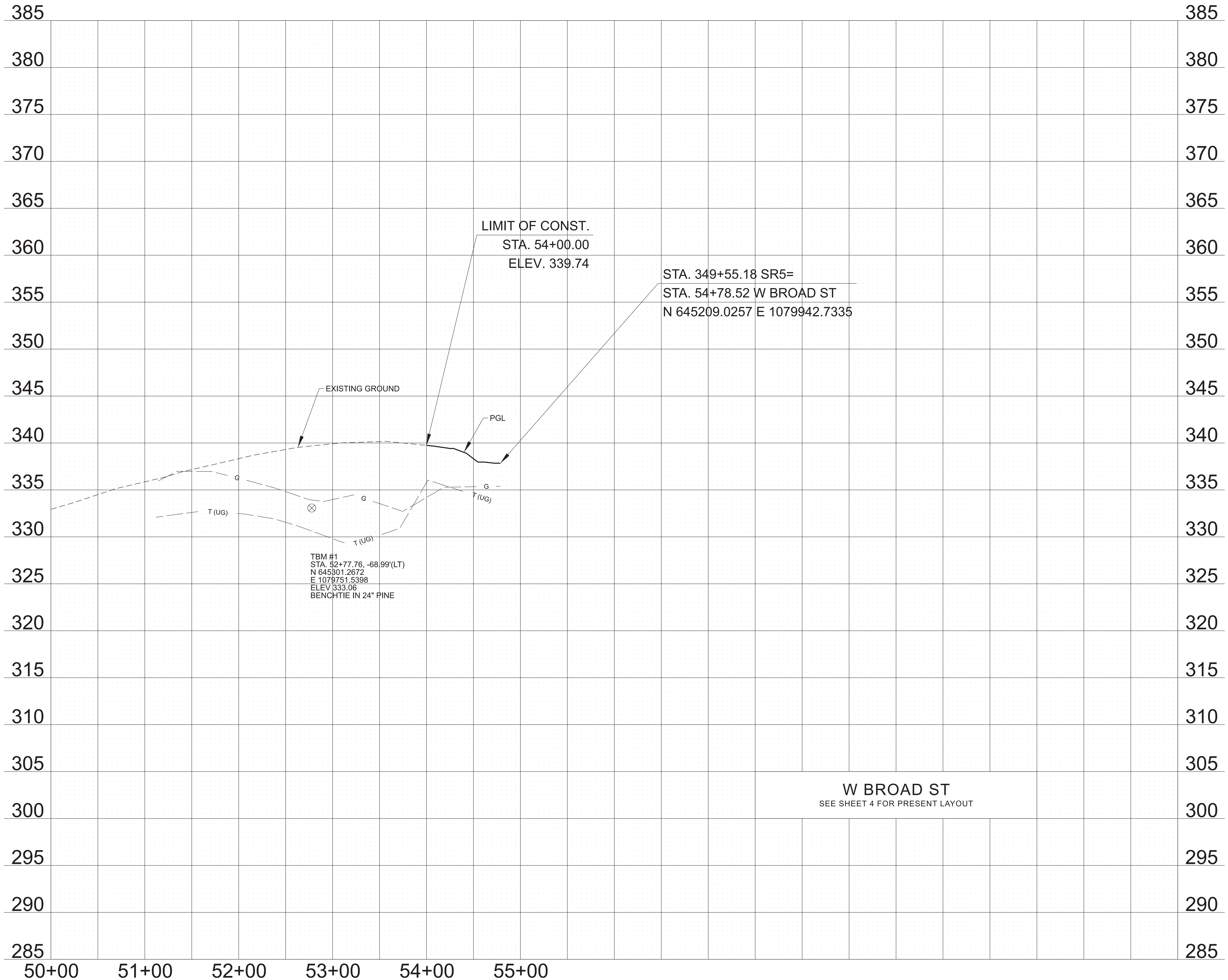
PROPOSED PROFILE

STA. 352+00 TO STA. 364+00

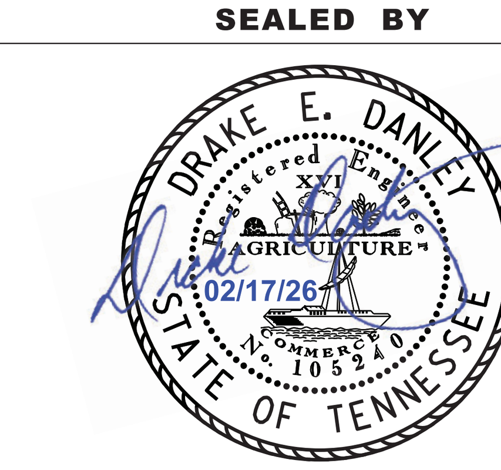
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

1/20/2026 11:04:22 AM
C:\PWKH1\D02685431\27S005-SHT-PROPOSED PROFILES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	6
PIH	2025	HSIP-5(114)	6
PS&E	2026	HSIP-5(114)	6



SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD
PROFILE

W BROAD ST
STA. 50+00 TO STA. 54+78.52

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

1/20/2026
11:04:23 AM
C:\PWKH1D026854\3\27S005-SHT-PROPOSED PROFILES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	7
PIH	2025	HSIP-5(114)	7
PS&E	2026	HSIP-5(114)	7

STA. 349+51.41 SR5=
STA. 20+00.00 W BROAD ST
N 645205.3262 E 1079943.4387

OH WIRE
STA. 21+31.53
LOW WIRE EL.360.71'
TEMP. 64 DEG.
4 POWER

LIMIT OF CONST.
STA. 21+18.00
ELEV. 335.47

PGL

EXISTING GROUND

G

T (UG)

T (UG)

G

G

8" SA

8" SA

MH
STA. 20+65.91
272.96' (LT)
TOP 326.92
INVERT 321.40

MH
STA. 21+93.26
5.82' (RT)
TOP 333.60
INVERT 323.02

MH
STA. 22+92.00
7.34' (RT)
TOP 332.15
INVERT 323.68

XCP - S30(GPS-30)
STA. 22+61.10, -40.56'(LT)
N 645236.9848
E 1080008.7201
ELEV 333.66

385 380 375 370 365 360 355 350 345 340 335 330 325 320 315 310 305 300 295 290 285

20+00 21+00 22+00 23+00 24+00

W. BROAD STREET
SEE SHEET 4 FOR PRESENT LAYOUT

SEALED BY

DRAKE E. DANLEY
REGISTERED ENGINEER
AGRICULTURE
02/17/26
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD
PROFILE

W. BROAD STREET
STA. 20+00 TO STA. 23+40

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

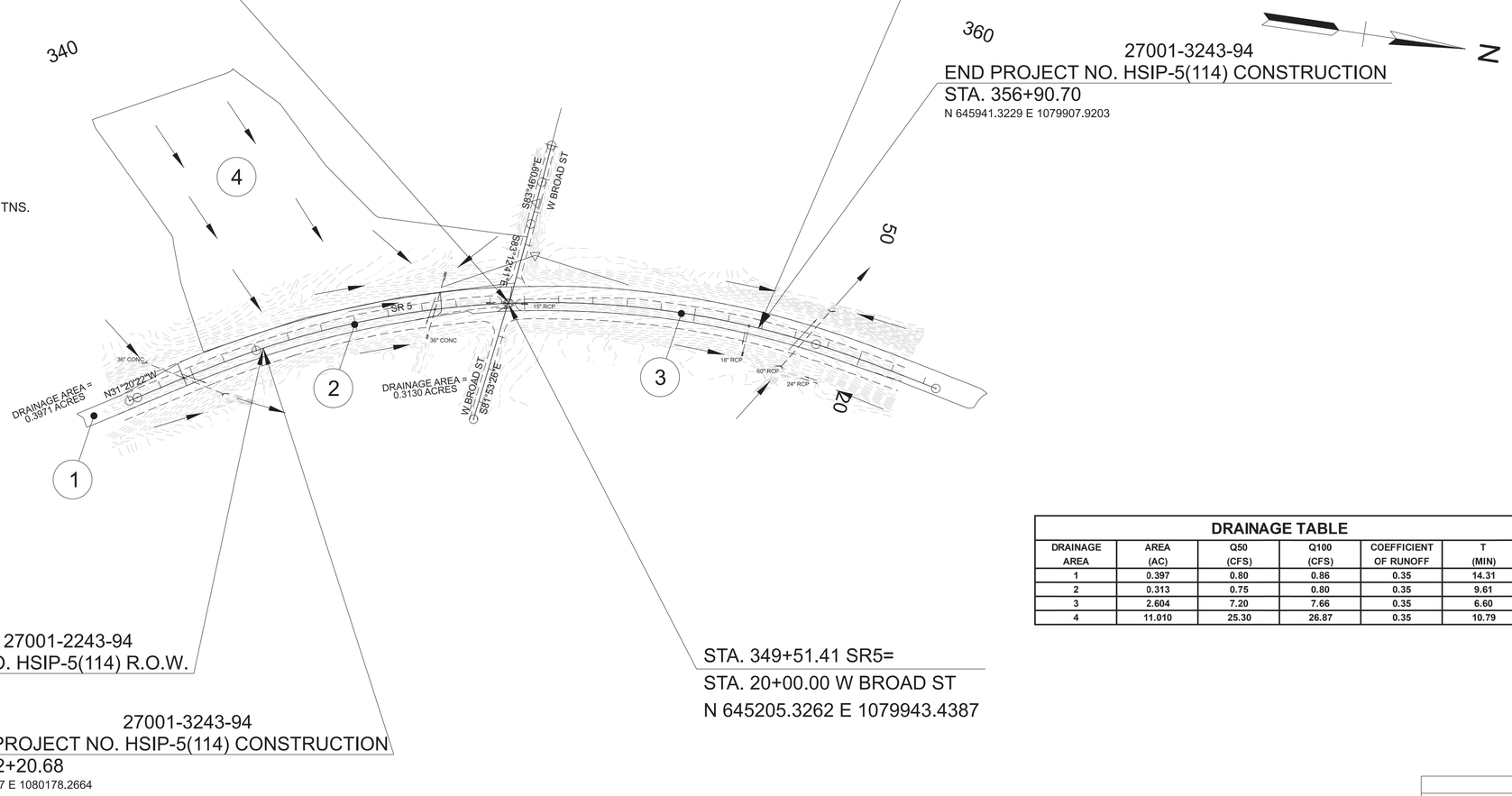
1/20/2026 11:04:24 AM
C:\PWKH1\D0026854\3\27S005-SHT-PROPOSED PROFILES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	8
PIH	2025	HSIP-5(114)	8
PS&E	2026	HSIP-5(114)	8

STA. 349+55.18 SR5=
STA. 54+78.52 W BROAD ST
N 645209.0257 E 1079942.7335

27001-2243-94
END PROJECT NO. HSIP-5(114) R.O.W.
STA. 356+90.70
N 645941.3229 E 1079907.9203

27001-3243-94
END PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 356+90.70
N 645941.3229 E 1079907.9203



27001-2243-94
BEGIN PROJECT NO. HSIP-5(114) R.O.W.
STA. 342+20.68
N 644515.8427 E 1080178.2664

27001-3243-94
BEGIN PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 342+20.68
N 644515.8427 E 1080178.2664

STA. 349+51.41 SR5=
STA. 20+00.00 W BROAD ST
N 645205.3262 E 1079943.4387

4 DRAINAGE DATA FOR PIPE STATION 339+71.76

DIRECTION OF FLOW: RIGHT (EAST)

D.A. 11.0111 AC, ( ) FLAT; (X) ROLLING; ( ) HILLY; ( ) MTNS.

PRESENT STRUCTURE: 36" RCP

EXISTING STRUCTURE CONDITION: FAIR

REMARKS:

DRAINAGE TABLE

DRAINAGE AREA	AREA (AC)	Q50 (CFS)	Q100 (CFS)	COEFFICIENT OF RUNOFF	T (MIN)
1	0.397	0.80	0.86	0.35	14.31
2	0.313	0.75	0.80	0.35	9.61
3	2.604	7.20	7.66	0.35	6.60
4	11.010	25.30	26.87	0.35	10.79

1 DRAINAGE DATA FOR MEDIAN INLET STATION 339+71.76

DIRECTION OF FLOW: RIGHT (NORTHEAST)

D.A. 0.3971 AC, ( ) FLAT; (X) ROLLING; ( ) HILLY; ( ) MTNS.

PRESENT STRUCTURE: 36" RCP

EXISTING STRUCTURE CONDITION: FAIR

REMARKS: D.A. DESCRIBED FOR MEDIAN ONLY (61% GRASS / 39% ASPH.)

2 DRAINAGE DATA FOR MEDIAN INLET STATION 347+36.92

DIRECTION OF FLOW: RIGHT (EAST)

D.A. 1.2663 AC, ( ) FLAT; (X) ROLLING; ( ) HILLY; ( ) MTNS.

PRESENT STRUCTURE: 36" RCP

EXISTING STRUCTURE CONDITION: FAIR

REMARKS: D.A. DESCRIBED FOR MEDIAN ONLY (54% GRASS / 46% ASPH.)

3 DRAINAGE DATA FOR MEDIAN INLET STATION 356+62.84

DIRECTION OF FLOW: RIGHT (EAST)

D.A. 2.6042 AC, ( ) FLAT; (X) ROLLING; ( ) HILLY; ( ) MTNS.

PRESENT STRUCTURE: 18" RCP

EXISTING STRUCTURE CONDITION: FAIR

REMARKS: SOME EROSION AT INLET (D.A. IS 46% GRASS / 54% ASPH.)

SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

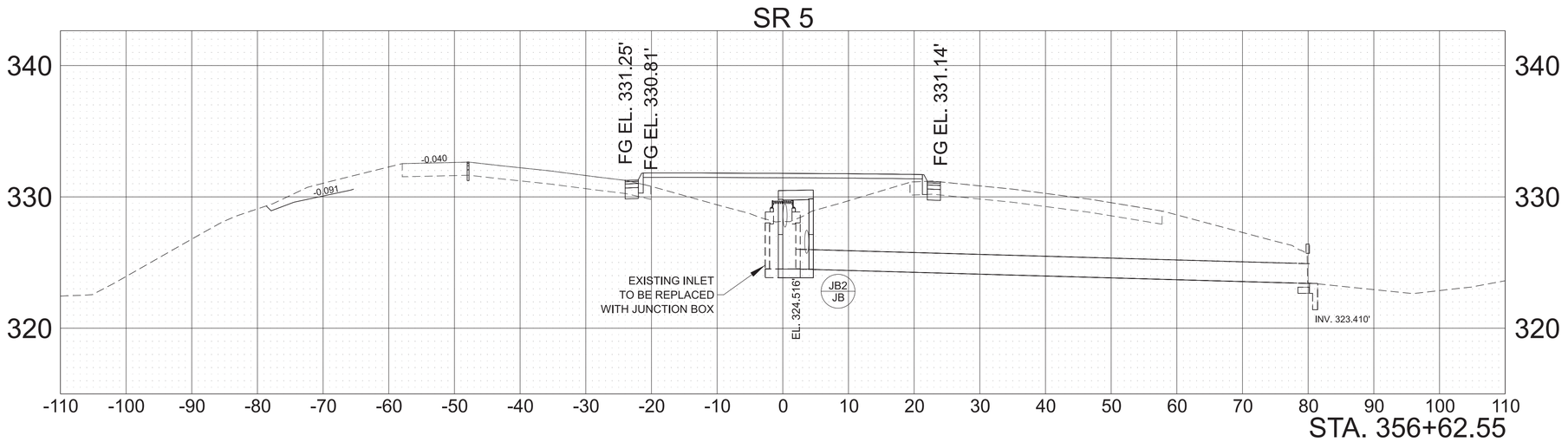
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 338+00 TO STA. 365+00
SCALE: 1" = 200'

1/20/2026 11:04:52 AM
c:\pw\kh1\d0268543\27S005-SHT-Drainage Maps.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	9
PIH	2025	HSIP-5(114)	9
PS&E	2026	HSIP-5(114)	9

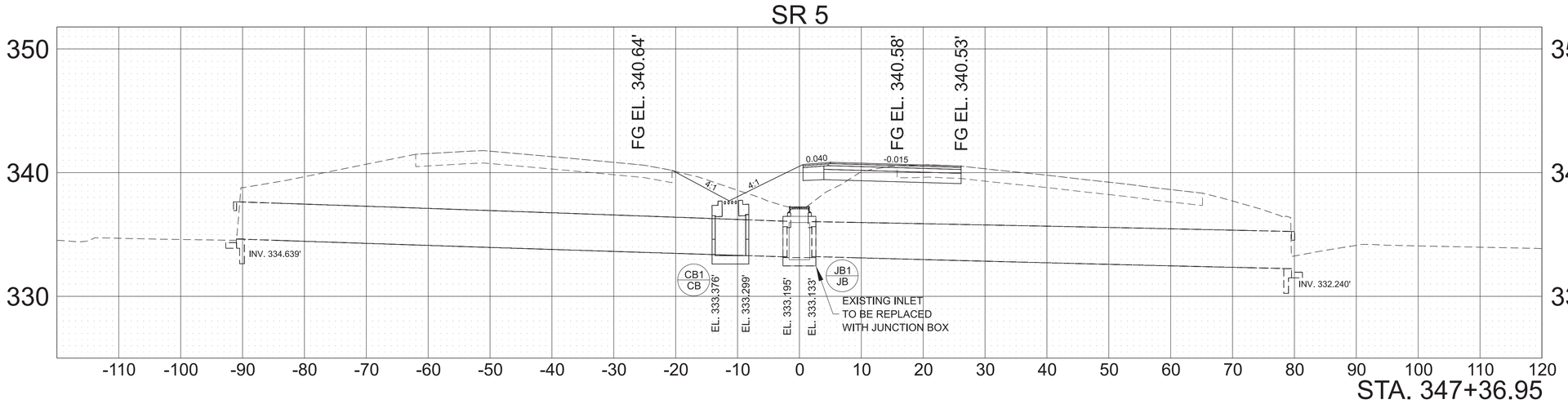


PIPE CULVERT
STATION: 356+62.55
STRUCTURE: 80 LF OF EXISTING 18" RCP @ 1.40%

SKEW	90	DEG.
DRAINAGE AREA	2.604	AC.
DESIGN DISCHARGE (Q50)	7.20	CFS
DESIGN DISCHARGE (Q100)	7.66	CFS
OVERTOPPING	332.53	ELEV.
ALLOWABLE HEADWATER	N/A	ELEV.
Q50 HEADWATER	N/A	ELEV.
Q100 HEADWATER	N/A	ELEV.
VELOCITY (Q50)	N/A	FT/S
VELOCITY (Q100)	N/A	FT/S

ENDWALLS REQUIRED:
N/A
STANDARD DRAWING NOS.:
N/A
QUANTITIES:

CLASS "A" CONCRETE	N/A	C.Y.
STEEL BAR REINFORCING	N/A	LB.
BEDDING MATERIAL	2.12	C.Y.
ENDWALL ITEM NOS.:	N/A	



PIPE CULVERT
STATION: 347+36.95
LT STRUCTURE: 91 LF OF EXISTING 36" RCP @ 2.70%
RT STRUCTURE: 80 LF OF EXISTING 36" RCP @ 0.07%

SKEW	66	DEG.
DRAINAGE AREA	11.323	AC.
DESIGN DISCHARGE (Q50)	26.05	CFS
DESIGN DISCHARGE (Q100)	27.67	CFS
OVERTOPPING	341.49	ELEV.
ALLOWABLE HEADWATER	N/A	ELEV.
Q50 HEADWATER	N/A	ELEV.
Q100 HEADWATER	N/A	ELEV.
VELOCITY (Q50)	N/A	FT/S
VELOCITY (Q100)	N/A	FT/S

ENDWALLS REQUIRED:
N/A
STANDARD DRAWING NOS.:
N/A
QUANTITIES:

CLASS "A" CONCRETE	N/A	C.Y.
STEEL BAR REINFORCING	N/A	LB.
BEDDING MATERIAL	N/A	C.Y.
ENDWALL ITEM NOS.:	N/A	

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT
SECTION

SCALE: 1" = 10' HORIZ.
1" = 5' VERT.

1/20/2026 11:15:31 AM
C:\PW\KH1\D0268543\27S005-SHT-CULVERTSECTIONS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	10
PIH	2025	HSIP-5(114)	10
PS&E	2026	HSIP-5(114)	10

SUBSECTION 3 – EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL 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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

1/20/2026 11:06:12 AM
C:\PW\KH1\D0268543\27S005-SHT-EPSC NOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	11
PIH	2025	HSIP-5(114)	11
PS&E	2026	HSIP-5(114)	11

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
✳ SF ✳ SF ✳ SF	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
 A	CATCH BASIN PROTECTION (TYPE A)	EC-STR-19
✳✳ TUBE ✳✳ TUBE	SEDIMENT TUBE	EC-STR-37
 3	CATCH BASIN FILTER ASSEMBLY (TYPE 3)	EC-STR-40 EC-STR-43

TABULATED EPSC QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	STAGE I QUANTITY	STAGE II QUANTITY	STAGE III QUANTITY	TOTAL QUANTITY
(1)(2)	209-05	SEDIMENT REMOVAL	C.Y.	94	94	94	94
(1)	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	1146	1146	1146	1146
(1)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	1	3	3	3
(1)	209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	2	-	-	2
(1)	209-40.43	CATCH BASIN FILTER ASSEMBLY(TYPE 3)	EACH	-	1	1	1
(1)(2)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	-	17	17	17
(1)(2)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	-	106	106	106
(1)	740-11.03	TEMPORARY SEDIMENT TUBE 18IN	L.F.	-	77	77	77

(1) ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER, SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.

(2) TO BE USED FOR CULVERT PROTECTION (TYPE 2).

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) LEGEND AND TABULATION

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	12
PIH	2025	HSIP-5(114)	12
PS&E	2026	HSIP-5(114)	12

300	EXISTING CONTOURS
300	PROPOSED CONTOURS
LOD LOD	LIMITS OF DISTURBANCE

EPSC STAGE I

CORRESPONDS TO CLEARING AND GRUBBING PHASE

SEE SHEET 10 AND 11 FOR NOTES AND LEGEND

OUTFALLS		
OUTFALL NO.	DRAINAGE AREA (AC)	AVG. SLOPE
1	0.700	2.10%
2	1.579	1.00%
3	2.604	1.25%

SEALED BY

DRAKE E. DANLEY
No. 105240
02/17/26

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00005 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS (EPSC)

STA. 340+00 TO STA. 352+00
SCALE: 1" = 50'

1/20/2026 11:07:08 AM
C:\PWKH1D0268543\27S005-SHT-EPSC-I.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	12A
PIH	2025	HSIP-5(114)	12A
PS&E	2026	HSIP-5(114)	12A

STA. 50+00.00
N 645263.9023
E 1079467.3745

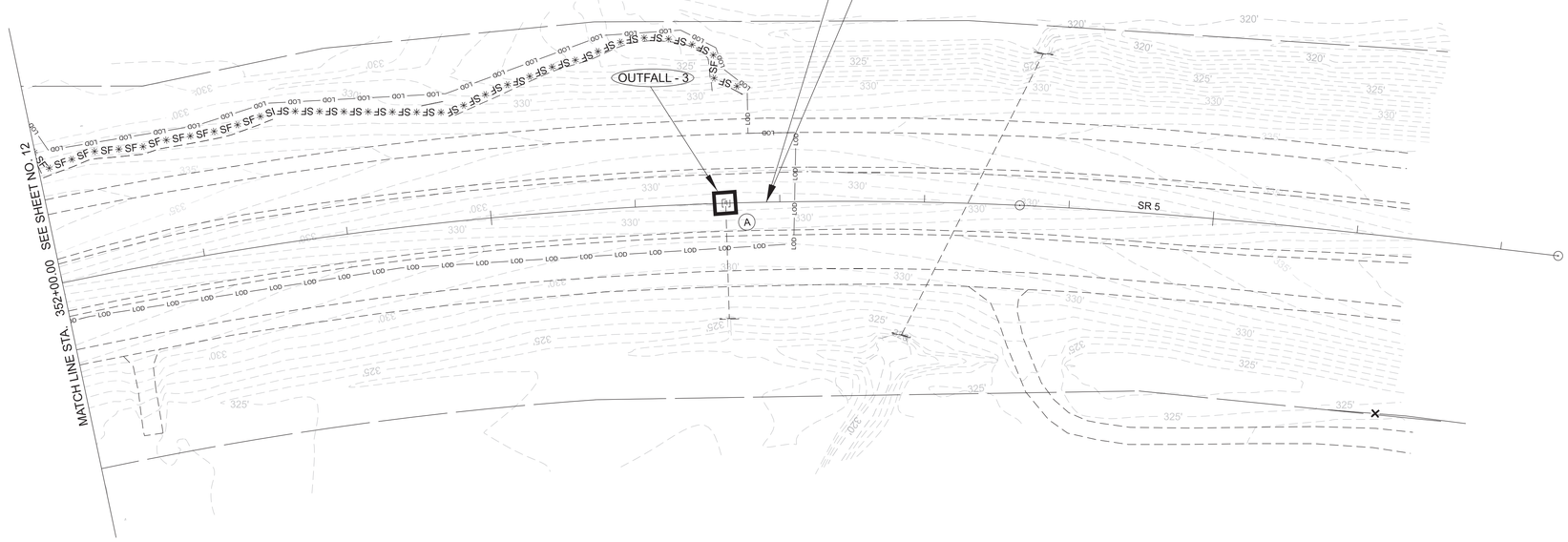
27001-3243-94
END PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 356+90.70
N 645941.3229 E 1079907.9203

27001-2243-94
END PROJECT NO. HSIP-5(114) R.O.W.
STA. 356+90.70
N 645941.3229 E 1079907.9203

355

360

STA. 362+39.95
N 646481.0825
E 1080086.7447



OUTFALLS		
OUTFALL NO.	DRAINAGE AREA (AC)	AVG. SLOPE
1	0.700	2.10%
2	1.579	1.00%
3	2.604	1.25%

300 EXISTING CONTOURS

300 PROPOSED CONTOURS

LOD LOD LIMITS OF DISTURBANCE

EPSC STAGE I

CORRESPONDS TO CLEARING AND GRUBBING PHASE

SEE SHEET 10 AND 11 FOR NOTES AND LEGEND

SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

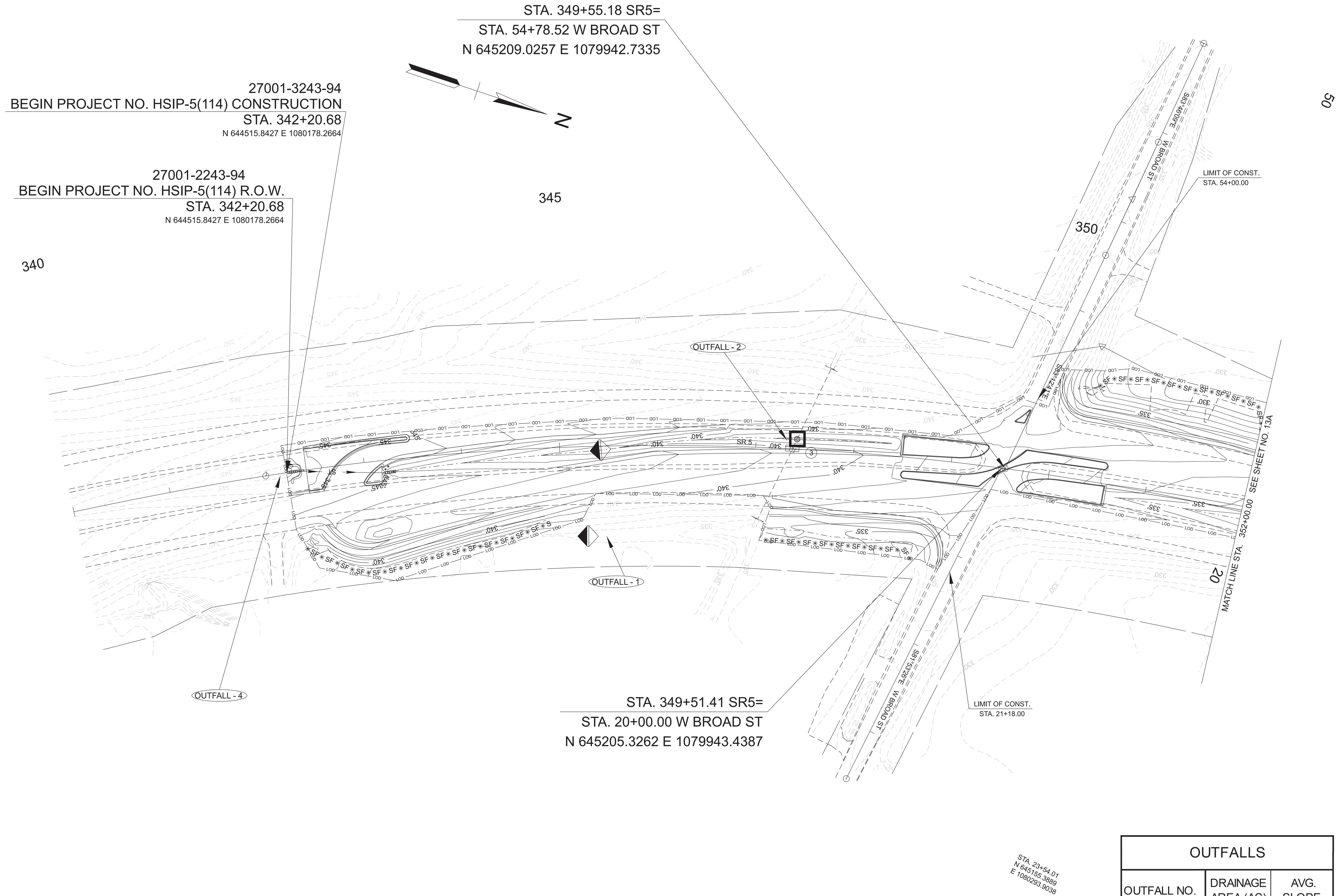
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS (EPSC)

STA. 352+00 TO STA. 362+40
SCALE: 1" = 50'

1/20/2026 11:07:10 AM
C:\PWKH1\D02685432\7S005-SHT-EPSC-I.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	13
PIH	2025	HSIP-5(114)	13
PS&E	2026	HSIP-5(114)	13



—300— (dashed)	EXISTING CONTOURS
—300—	PROPOSED CONTOURS
—LOD—LOD—	LIMITS OF DISTURBANCE

EPSC STAGE II

CORRESPONDS TO INTERMEDIATE GRADING PHASE

SEE SHEET 10 AND 11 FOR NOTES AND LEGEND

OUTFALLS		
OUTFALL NO.	DRAINAGE AREA (AC)	AVG. SLOPE
1	0.700	2.10%
2	1.236	0.65%
3	1.595	0.65%
4	0.501	2.89%

SEALED BY

DRAKE E. DANLEY, STATE OF TENNESSEE, 02/17/26

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

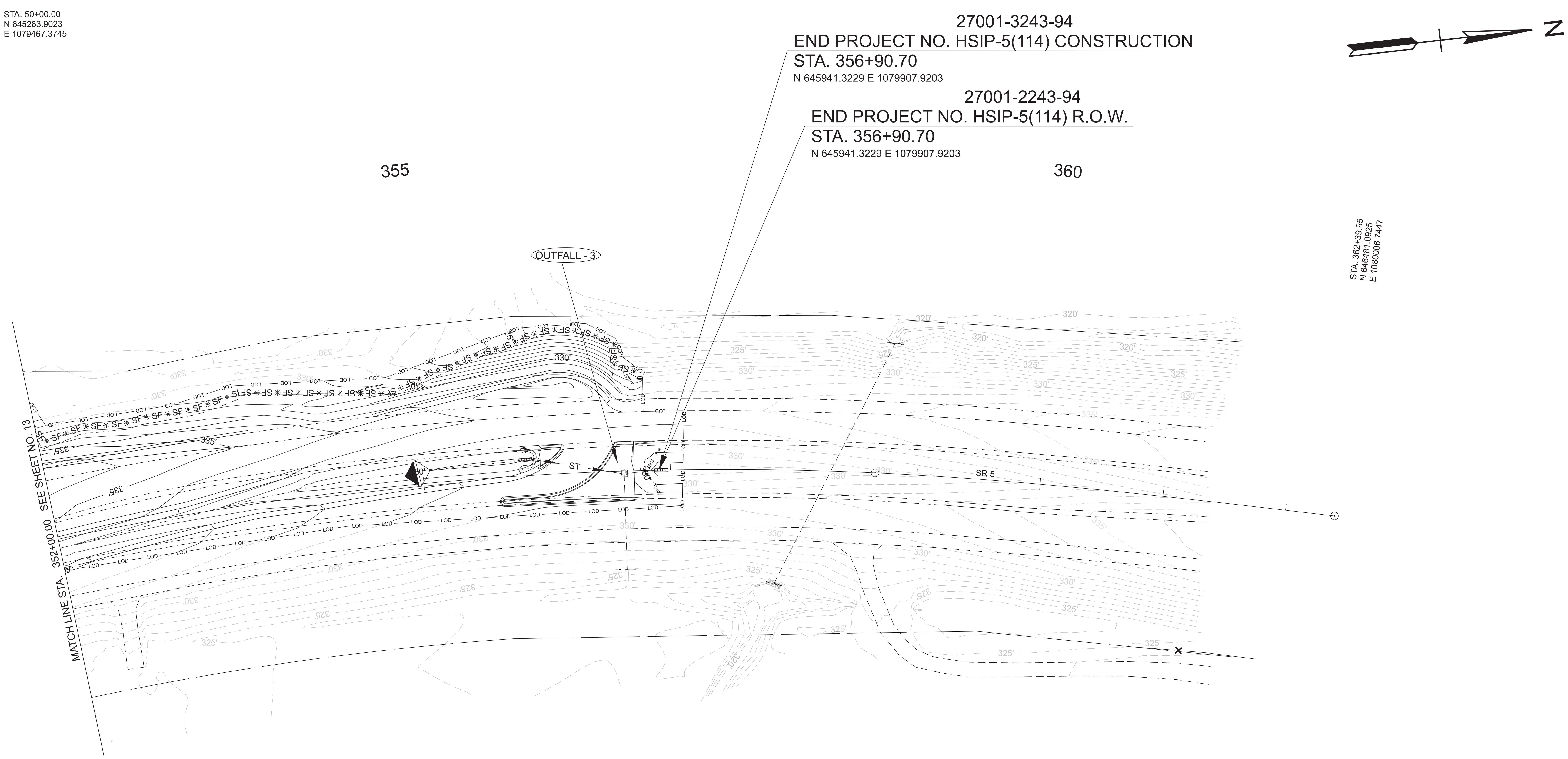
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS (EPSC)

STA. 340+00 TO STA. 352+00
SCALE: 1" = 50'

1/20/2026 11:07:27 AM
C:\PWKH1D026854\27S005-SHT-EPSC-II.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	13A
PIH	2025	HSIP-5(114)	13A
PS&E	2026	HSIP-5(114)	13A



- - 300 - -	EXISTING CONTOURS
—— 300 ——	PROPOSED CONTOURS
— LOD — LOD —	LIMITS OF DISTURBANCE

EPSC STAGE II

CORRESPONDS TO INTERMEDIATE GRADING PHASE

SEE SHEET 10 AND 11 FOR NOTES AND LEGEND

OUTFALLS		
OUTFALL NO.	DRAINAGE AREA (AC)	AVG. SLOPE
1	0.700	2.10%
2	1.236	0.65%
3	1.595	0.65%
4	0.501	2.89%

SEALED BY

DRAKE E. DANLEY
STATE OF TENNESSEE
02/17/26

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS (EPSC)

STA. 352+00 TO STA. 362+40
SCALE: 1" = 50'

1/20/2026 11:07:29 AM
C:\PWKH1D0268543\27S005-SHT-EPSC-II.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-5(114)	14
PS&E	2026	HSIP-5(114)	14

STA. 349+55.18 SR5=
STA. 54+78.52 W BROAD ST
N 645209.0257 E 1079942.7335

27001-3243-94
BEGIN PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 342+20.68
N 644515.8427 E 1080178.2664

27001-2243-94
BEGIN PROJECT NO. HSIP-5(114) R.O.W.
STA. 342+20.68
N 644515.8427 E 1080178.2664

340

345

350

50

20

LIMIT OF CONST.
STA. 54+00.00

S63°46'09"E
W BROAD ST

S63°12'41"E

OUTFALL - 2

OUTFALL - 1

OUTFALL - 4

SR 5

SEE SHEET NO. 14A

MATCH LINE STA. 352+00.00

S61°52'57"E
W BROAD ST

LIMIT OF CONST.
STA. 21+18.00

STA. 349+51.41 SR5=
STA. 20+00.00 W BROAD ST
N 645205.3262 E 1079943.4387

STA. 23+54.01
N 645155.3899
E 1080293.9038

OUTFALLS		
OUTFALL NO.	DRAINAGE AREA (AC)	AVG. SLOPE
1	0.700	2.10%
2	1.236	0.65%
3	1.595	0.65%
4	0.501	2.89%

300 EXISTING CONTOURS

300 PROPOSED CONTOURS

LOD LOD LIMITS OF DISTURBANCE

EPSC STAGE III

CORRESPONDS TO FINAL GRADING PHASE

SEE SHEET 10 AND 11 FOR NOTES AND LEGEND

SEALED BY

DRAKE E. DANLEY
REGISTERED ENGINEER
AGRICULTURE
02/17/26
NUMBER
STATE OF TENNESSEE

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS (EPSC)

STA. 340+00 TO STA. 352+00
SCALE: 1" = 50'

1/20/2026 11:07:47 AM
C:\PWKH1\D0268543\27S005-SHT-EPSC-III.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	HSIP-5(114)	14A
PS&E	2026	HSIP-5(114)	14A

STA. 50+00.00
N 645263.9023
E 1079467.3745

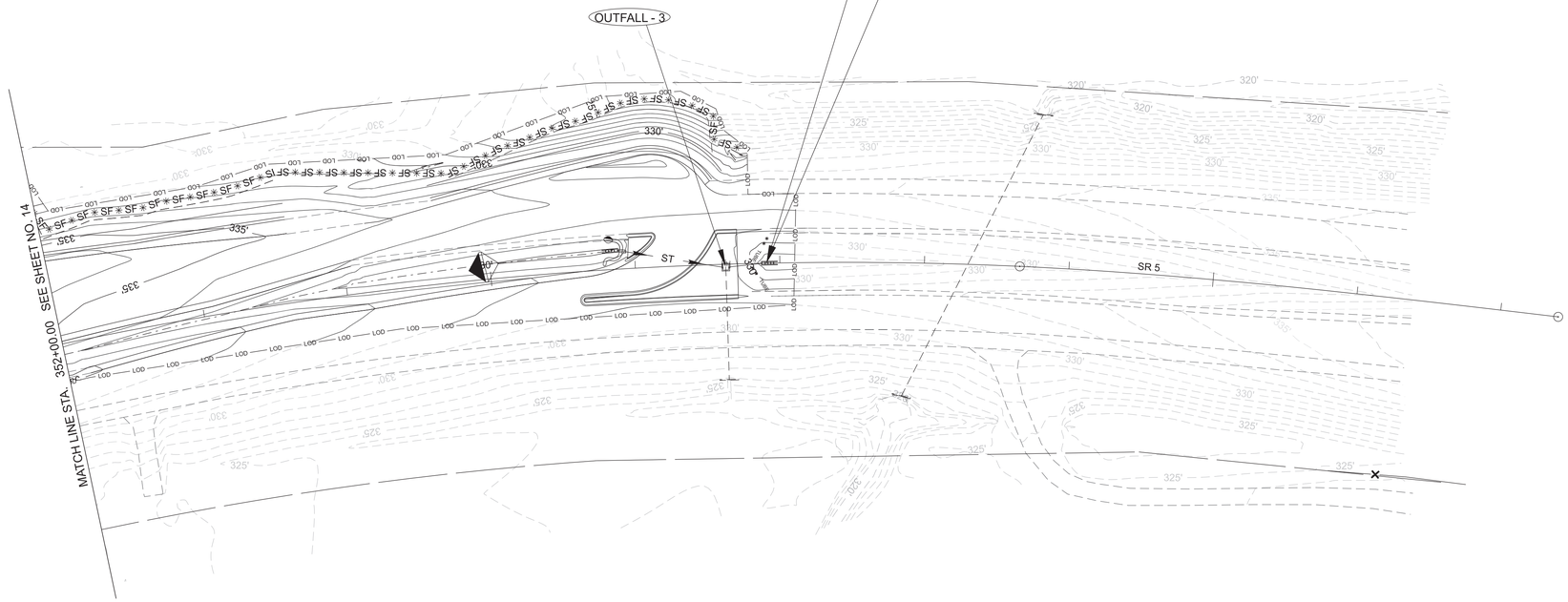
27001-3243-94
END PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 356+90.70
N 645941.3229 E 1079907.9203

27001-2243-94
END PROJECT NO. HSIP-5(114) R.O.W.
STA. 356+90.70
N 645941.3229 E 1079907.9203

355

360

STA. 362+39.95
N 646481.0925
E 1080096.7447



OUTFALLS		
OUTFALL NO.	DRAINAGE AREA (AC)	AVG. SLOPE
1	0.700	2.10%
2	1.236	0.65%
3	1.595	0.65%
4	0.501	2.89%

300 EXISTING CONTOURS

300 PROPOSED CONTOURS

LOD LOD LIMITS OF DISTURBANCE

EPSC STAGE III

CORRESPONDS TO FINAL GRADING PHASE

SEE SHEET 10 AND 11 FOR NOTES AND LEGEND

SEALED BY

DRAKE E. DANLEY
LICENSED PROFESSIONAL ENGINEER
AGRICULTURE
02/17/26
NO. 109574
STATE OF TENNESSEE

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

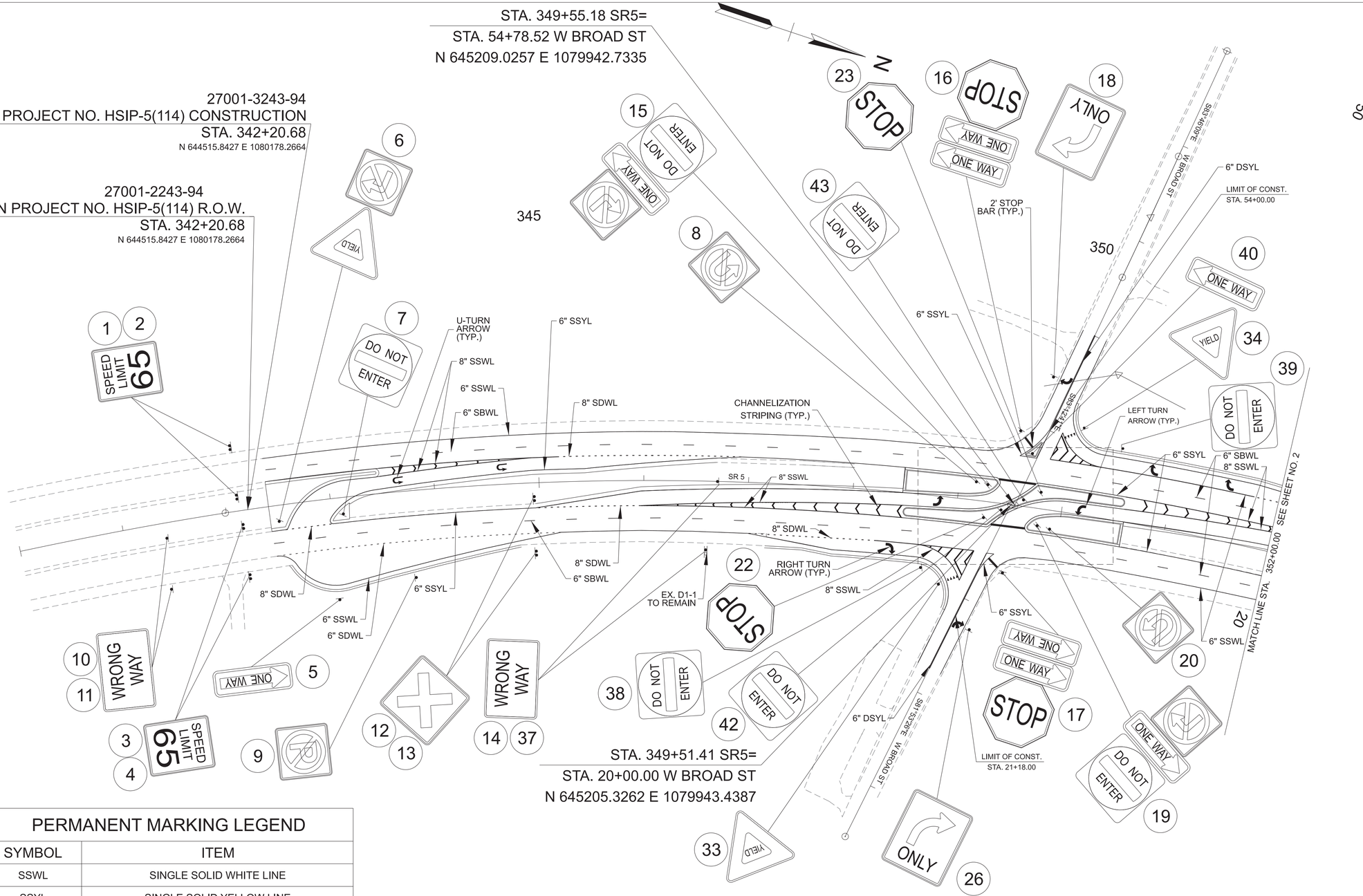
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS (EPSC)

STA. 352+00 TO STA. 362+40
SCALE: 1" = 50'

1/20/2026 11:07:49 AM
C:\PWKH1\D02685432\7S005-SHT-EPSC-III.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	15
PIH	2025	HSIP-5(114)	15
PS&E	2026	HSIP-5(114)	15



PERMANENT MARKING LEGEND

SYMBOL	ITEM
SSWL	SINGLE SOLID WHITE LINE
SSYL	SINGLE SOLID YELLOW LINE
SBWL	SINGLE BROKEN WHITE LINE
SBYL	SINGLE BROKEN YELLOW LINE
SDWL	SINGLE DOTTED WHITE LINE
DBYL	DOUBLE BROKEN YELLOW LINE
DSYL	DOUBLE SOLID YELLOW LINE
DWL	DOTTED WHITE LINE

SEALED BY

DRAKE E. DANIELY
Registered
AGRICULTURE
02/17/26
STATE OF TENNESSEE

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

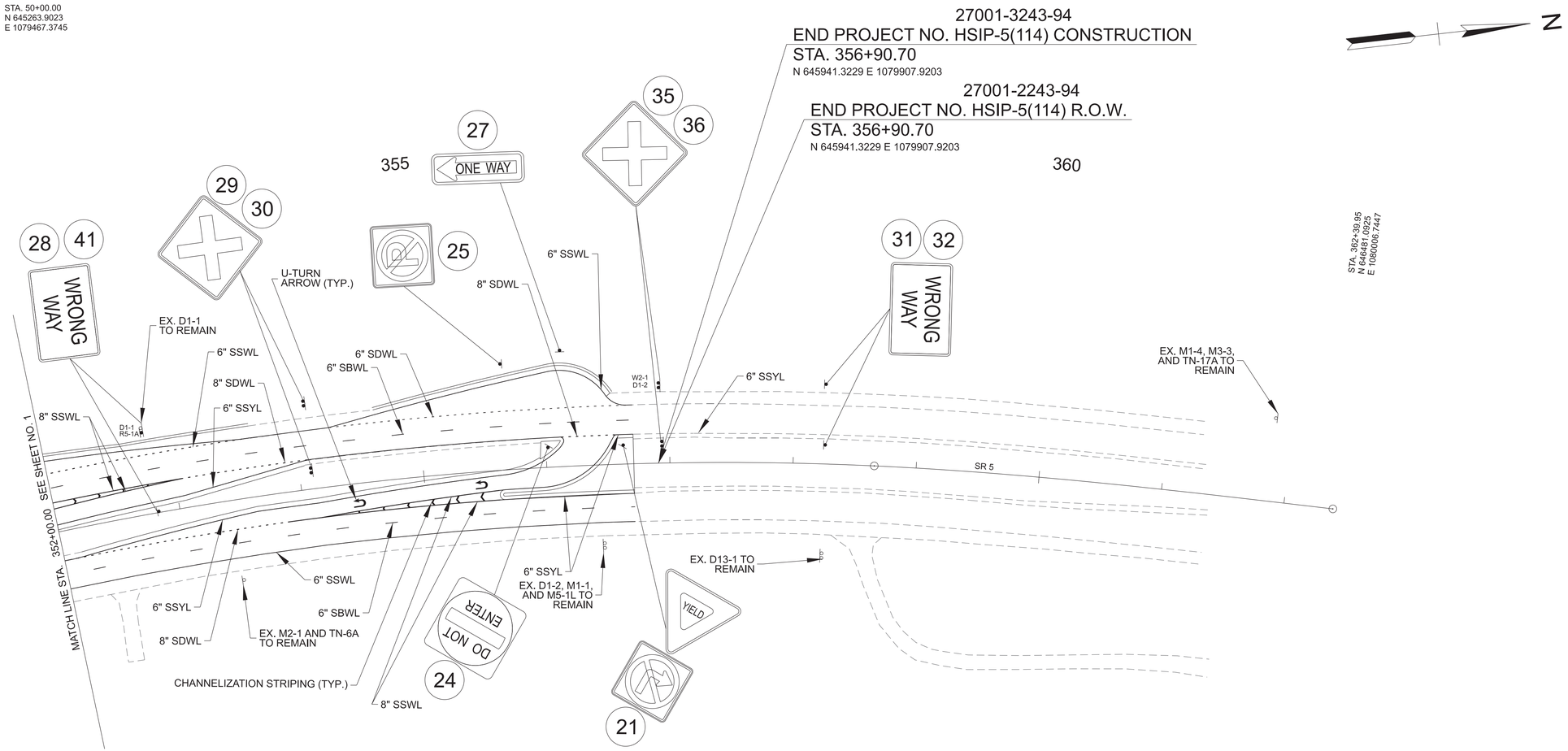
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 340+00 TO STA. 352+00
SCALE: 1" = 50'

1/20/2026 11:08:08 AM
C:\PWKH1\D0268543\27S005-SHT-SIGNING AND MARKING.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	16
PIH	2025	HSIP-5(114)	16
PS&E	2026	HSIP-5(114)	16



PERMANENT MARKING LEGEND	
SYMBOL	ITEM
SSWL	SINGLE SOLID WHITE LINE
SSYL	SINGLE SOLID YELLOW LINE
SBWL	SINGLE BROKEN WHITE LINE
SBYL	SINGLE BROKEN YELLOW LINE
SDWL	SINGLE DOTTED WHITE LINE
DBYL	DOUBLE BROKEN YELLOW LINE
DSYL	DOUBLE SOLID YELLOW LINE
DWL	DOTTED WHITE LINE

SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 352+00 TO STA. 362+40
SCALE: 1" = 50'

1/20/2026 11:08:09 AM
C:\PWKH1\D0268543\27S005-SHT-SIGNING AND MARKING.DGN

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.		
7		R5-1	15	36	36									RED	WHITE	0.100" ALUM. SHEET	U6	13'-6"					CONTRACTOR TO INSTALL ITEM 713-02.21 SIGN POST DELINEATION ENHANCEMENT (RED).
38																		13'-0"					
39																		13'-0"					
42																		13'-6"					
43																		13'-6"					
24			16															13'-6"					
16		R6-1L	15	36	12									BLACK	WHITE	0.100" ALUM SHEET	U6	14'-3"					
		R6-1R		36	12																		
17		R1-1		36	36									WHITE	RED (REF)	0.080" ALUM. SHEET		14'-3"					
33		R1-2	15	36	36									RED	WHITE (REF)	0.100" ALUM SHEET	U6	13'-0"					
34																		13'-0"					
12		W2-1	15	36	36									BLACK	YELLOW (REF)	0.080" ALUM. SHEET	U6	h1 = 13'-0" h2 = 13'-6"					
13																		h1 = 13'-0" h2 = 13'-6"					
29																		h1 = 13'-0" h2 = 13'-6"					
30																		h1 = 13'-0" h2 = 13'-6"					
35			16															h1 = 13'-0" h2 = 13'-6"					
36																		h1 = 13'-0" h2 = 13'-6"					
22		R1-1	15	36	36									WHITE	RED (REF)	0.080" ALUM. SHEET	U6	13'-6"					CONTRACTOR TO INSTALL ITEM 713-02.21 SIGN POST DELINEATION ENHANCEMENT (RED) ON BOTH SIDES OF THE SIGN POST.
23																		13'-6"					
15		R3-1	15	36	36									BLACK	WHITE (REF)	0.100" ALUM SHEET	U6	14'-9"					CONTRACTOR TO INSTALL ITEM 713-02.21 SIGN POST DELINEATION ENHANCEMENT (RED).
		R6-1R		36	12									BLACK	WHITE								
19		R5-1		36	36									RED	WHITE (REF)			14'-9"					

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	17
PIH	2025	HSIP-5(114)	17
PS&E	2026	HSIP-5(114)	17

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

1/20/2026 11:08:25 AM
$$$$DGNSPECS

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.		
10	WRONG WAY	R5-1A	15	42	30									WHITE	RED (REF)	0.100" SHEET ALUM.	U6	12'-0"					CONTRACTOR TO INSTALL ITEM 713-02.21 SIGN POST DELINEATION ENHANCEMENT (RED).
11																		12'-0"					
14																		12'-0"					
37																		-					
28			16															12'-0"					
41																		-					
31																		12'-0"					
32																		12'-0"					
18	ONLY	R3-5R	15	30	36									BLACK	WHITE (REF)	0.100" ALUM SHEET	U6	13'-0"					
26																		13'-0"					
1	SPEED LIMIT 65	R2-1	15	36	48									BLACK	WHITE (REF)	0.100" ALUM SHEET	U6	h1 = 13'-0" h2 = 13'-6"					
2																		h1 = 13'-0" h2 = 13'-6"					
3																		h1 = 13'-0" h2 = 13'-6"					
4																		h1 = 13'-0" h2 = 13'-6"					
6	YIELD	R1-2	15	36	36									RED	WHITE (REF)	0.100" ALUM SHEET	U6	16'-9"					CONTRACTOR TO INSTALL ITEM 713-02.21 SIGN POST DELINEATION ENHANCEMENT (RED).
21		R3-1	16	36	36									BLACK	WHITE (REF)			16'-9"					
5	ONE WAY	R6-1L	15	36	12									BLACK	WHITE	0.100" ALUM. SHEET	U1	11'-0"					
40																		11'-6"					
27			16															11'-0"					
8		R3-4	15	36	36									BLACK	WHITE (REF)	0.100" ALUM SHEET	U6	13'-6"					
20																		13'-6"					
9		R8-3	15	36	36									RED	WHITE	0.100" ALUM. SHEET	U6	13'-0"					
25			16															13'-0"					

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	18
PIH	2025	HSIP-5(114)	18
PS&E	2026	HSIP-5(114)	18

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.

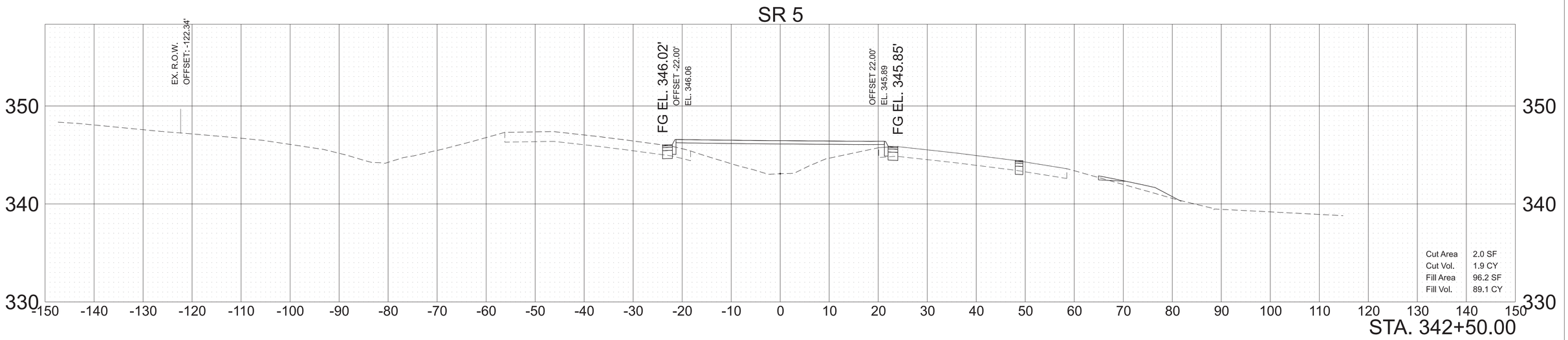
SEALED BY

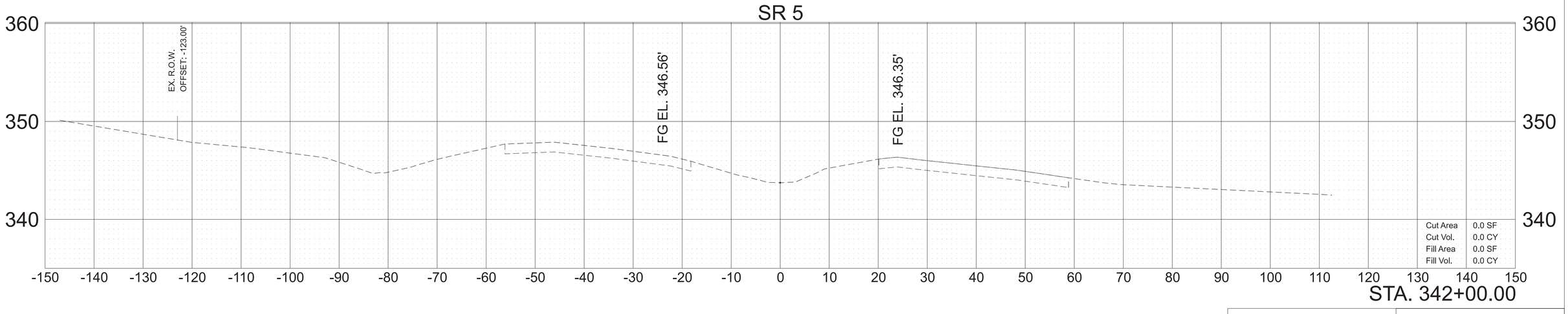
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE SHEET

1/20/2026 11:08:26 AM $$$$DGNSPEC

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	19
PIH	2025	HSIP-5(114)	19
PS&E	2026	HSIP-5(114)	19

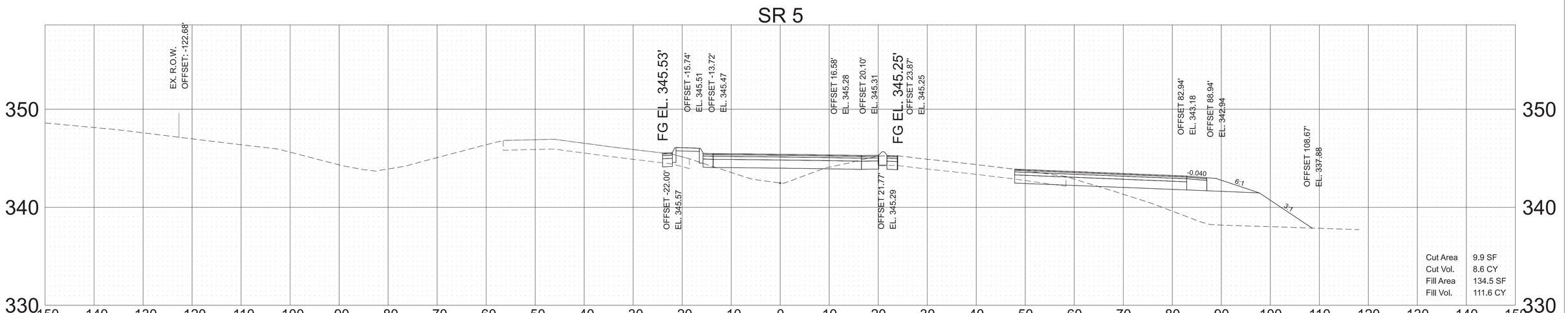


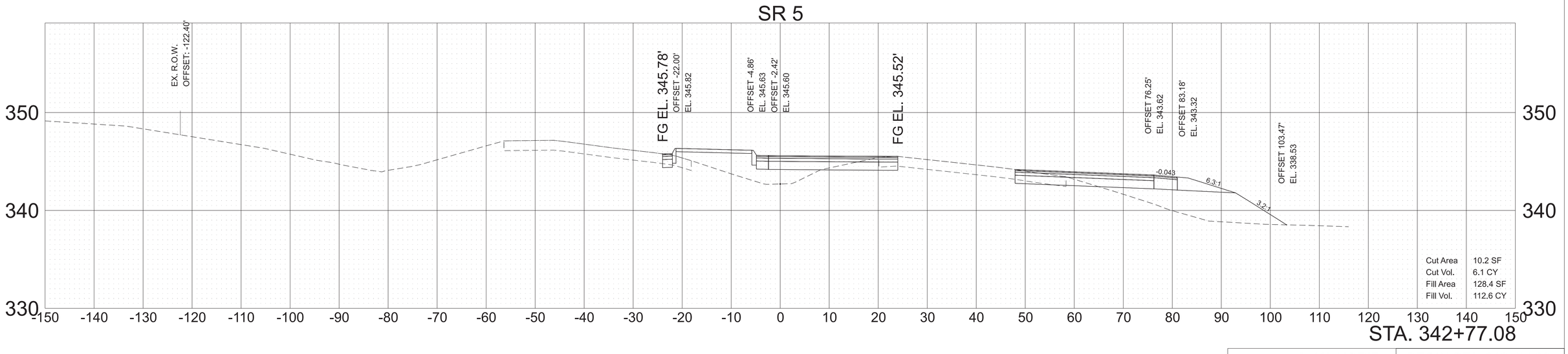


SCALE:	1"=10' HORIZ.	BEGIN STA. 342+00.00
	1"=5' VERT.	END STA. 342+50.00

1/20/2026 12:52:27 PM
C:\PWKH1\D02685432\7S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	20
PIH	2025	HSIP-5(114)	20
PS&E	2026	HSIP-5(114)	20

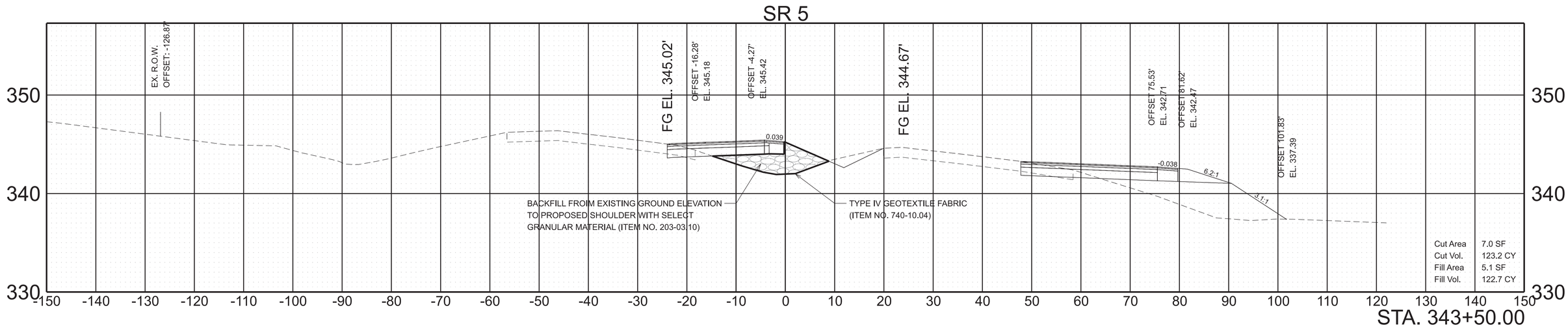


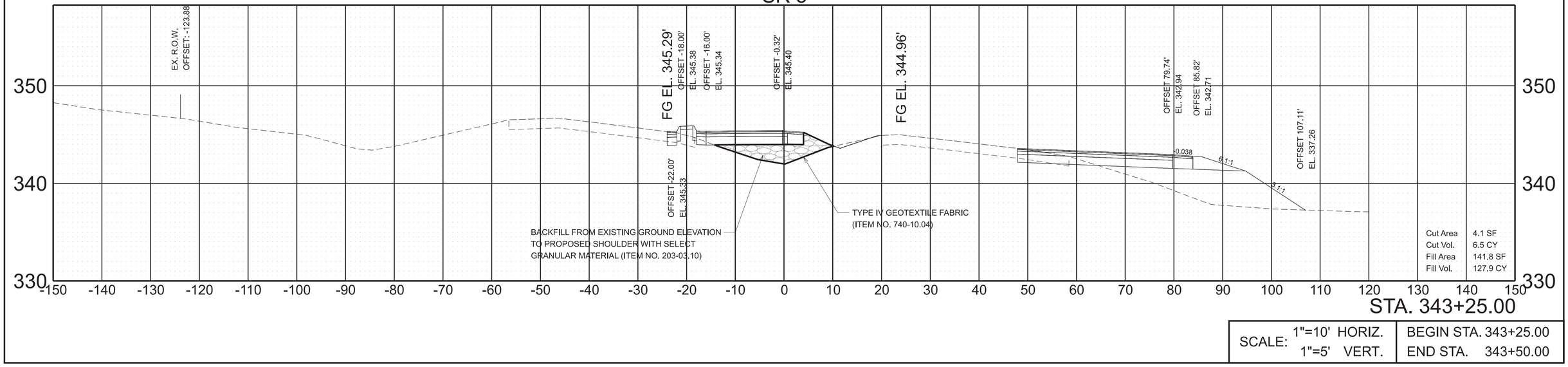


SCALE:	1"=10' HORIZ.	BEGIN STA. 342+77.08
	1"=5' VERT.	END STA. 343+00.00

1/20/2026 12:52:29 PM
C:\PW\KH11D0268543\27S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	21
PIH	2025	HSIP-5(114)	21
PS&E	2026	HSIP-5(114)	21

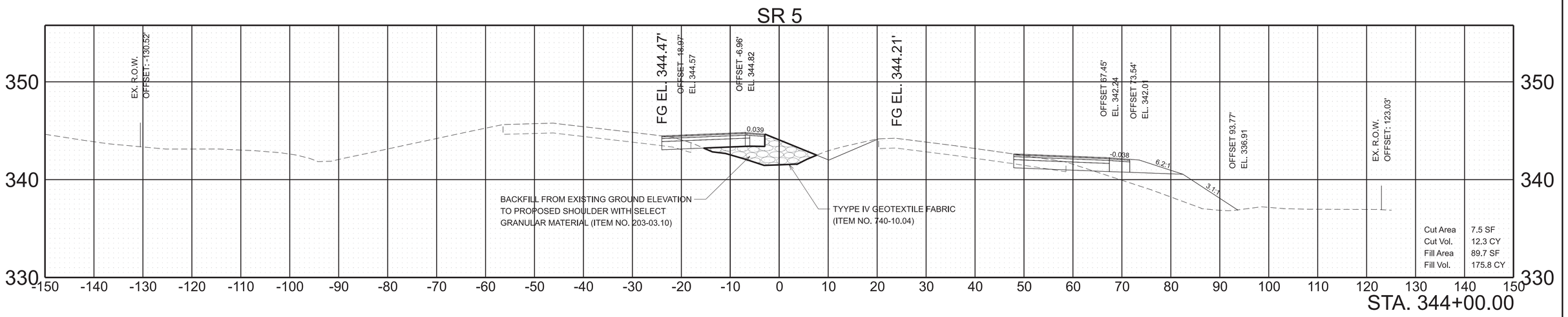


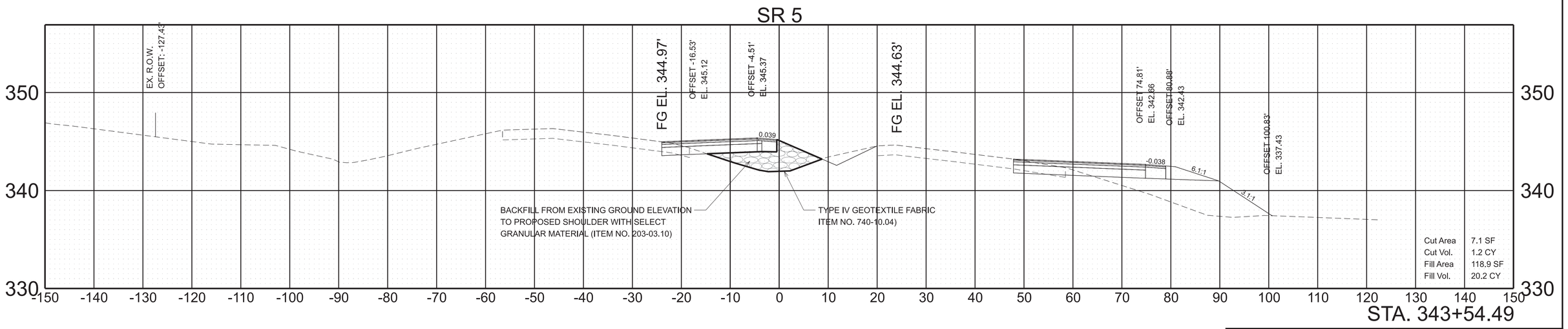


SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 343+25.00 END STA. 343+50.00

1/20/2026 12:52:30 PM
C:\PWKH1\D0268543\27S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	22
PIH	2025	HSIP-5(114)	22
PS&E	2026	HSIP-5(114)	22

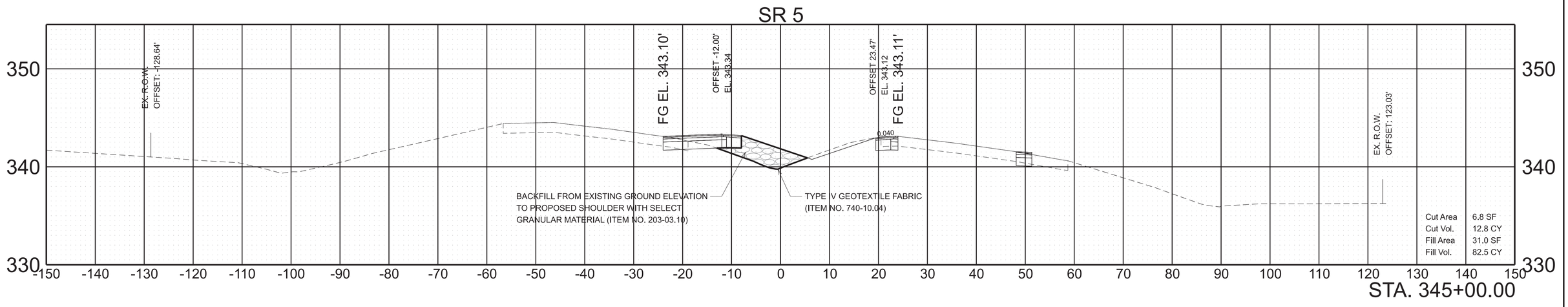


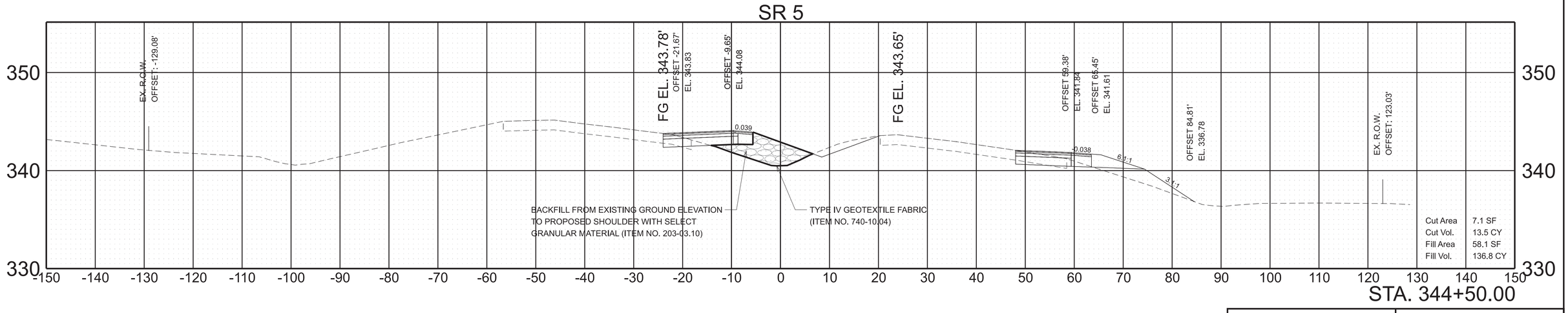


SCALE:	1"=10' HORIZ.	BEGIN STA. 343+54.49
	1"=5' VERT.	END STA. 344+00.00

1/20/2026 12:52:31 PM
C:\PW\KH1\D0268543\27S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	23
PIH	2025	HSIP-5(114)	23
PS&E	2026	HSIP-5(114)	23

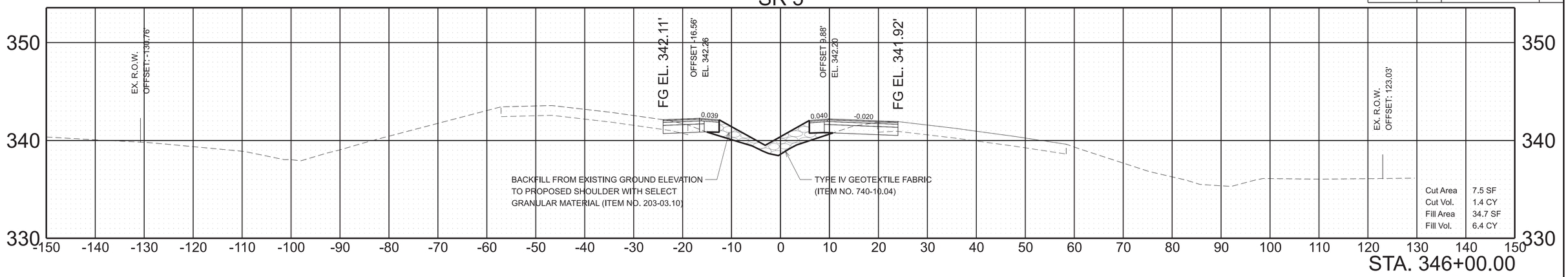


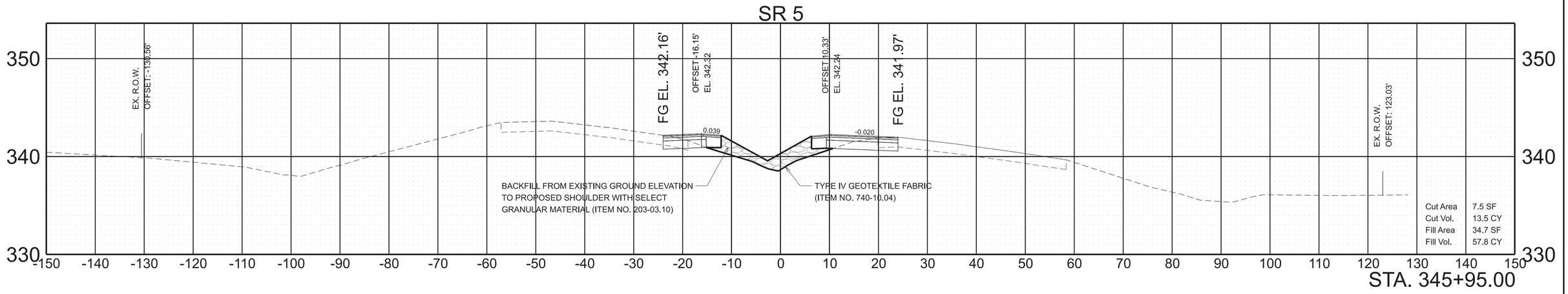


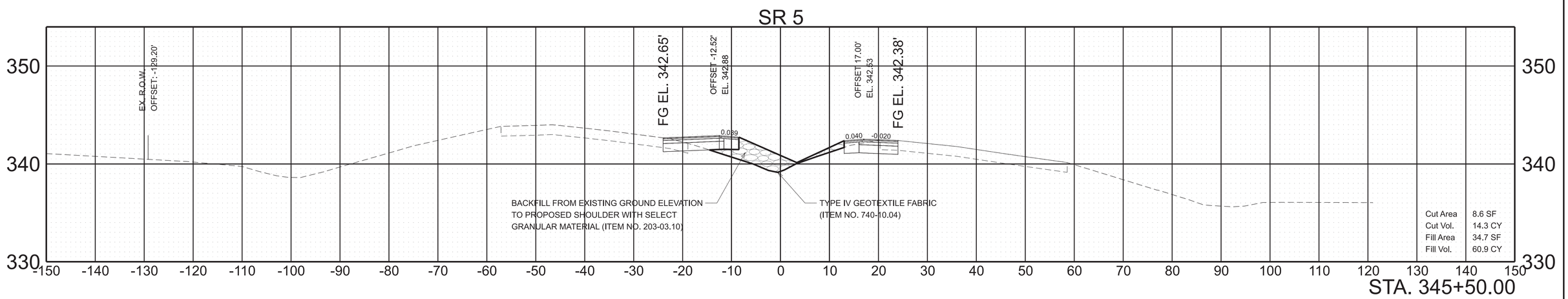
SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 344+50.00 END STA. 345+00.00

1/20/2026 12:52:33 PM
C:\PWK1\D0268543\27S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	24
PIH	2025	HSIP-5(114)	24
PS&E	2026	HSIP-5(114)	24



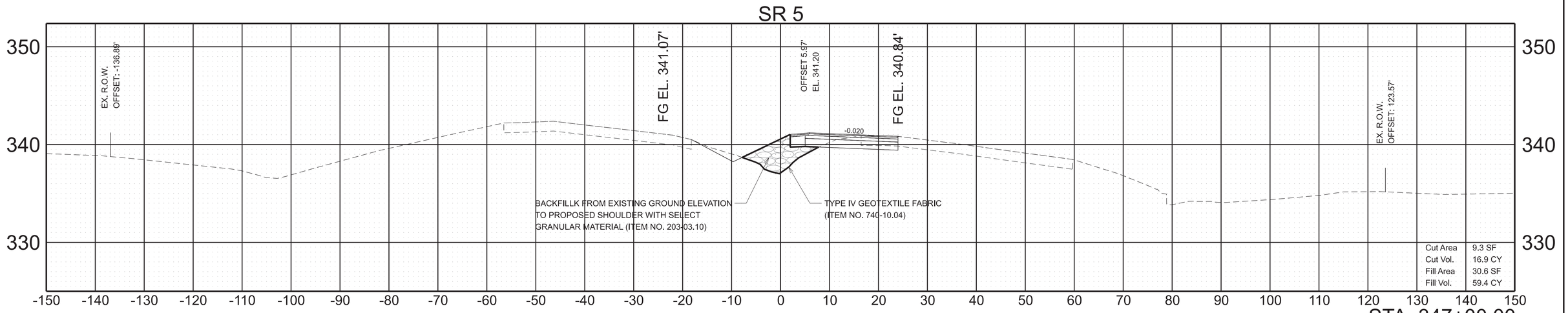


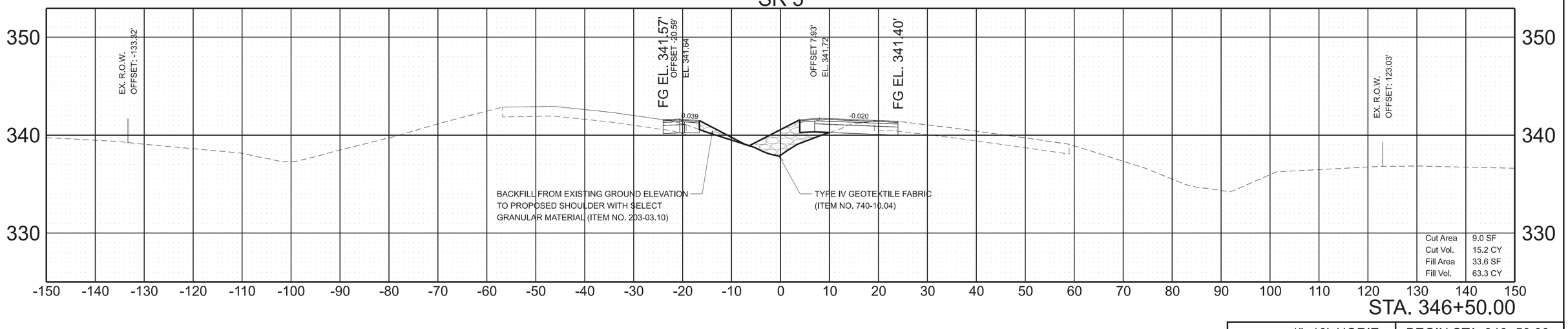


SCALE:	1"=10' HORIZ.	BEGIN STA. 345+50.00
	1"=5' VERT.	END STA. 346+00.00

1/20/2026 12:52:34 PM
C:\PW\KH1\D0268543\27S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	25
PIH	2025	HSIP-5(114)	25
PS&E	2026	HSIP-5(114)	25

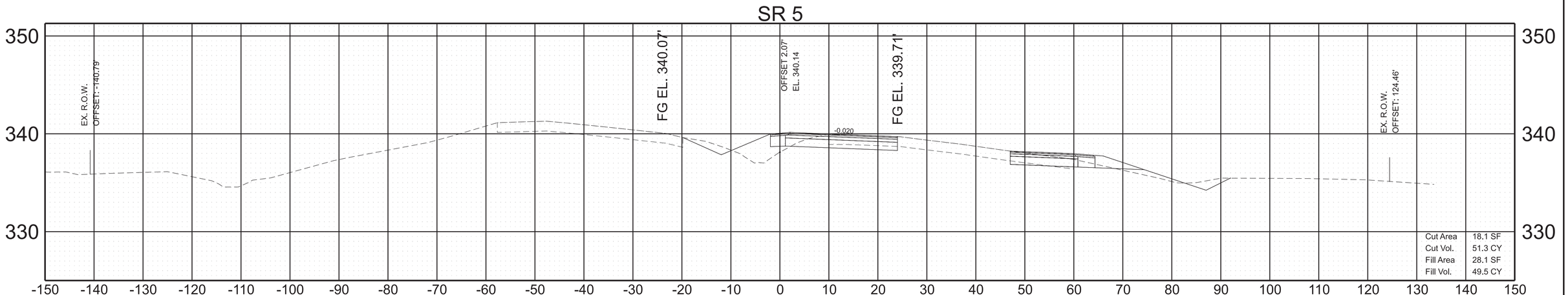


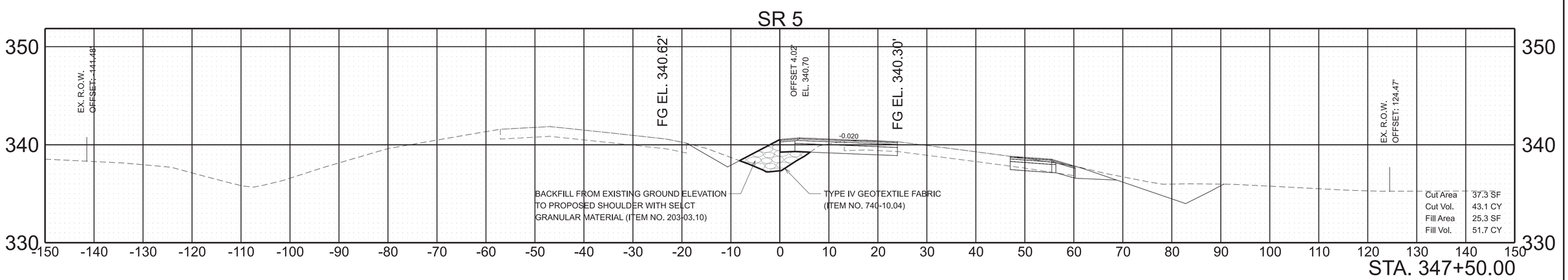


SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 346+50.00 END STA. 347+00.00

1/20/2026 12:52:36 PM
C:\PWKH1\D0268543\27S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	26
PIH	2025	HSIP-5(114)	26
PS&E	2026	HSIP-5(114)	26



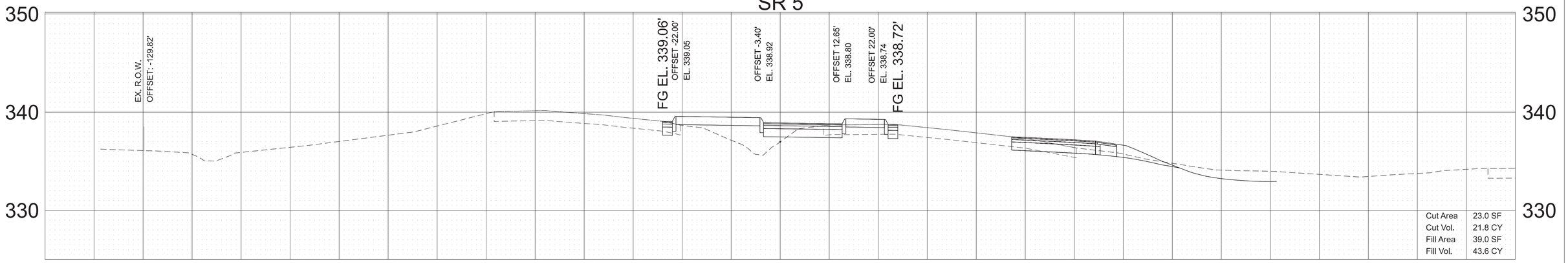


SCALE:	1"=10' HORIZ.	BEGIN STA. 347+50.00
	1"=5' VERT.	END STA. 348+00.00

1/20/2026 12:52:37 PM
C:\PWKH1\D0268543\27S005-SHT-XS.DGN

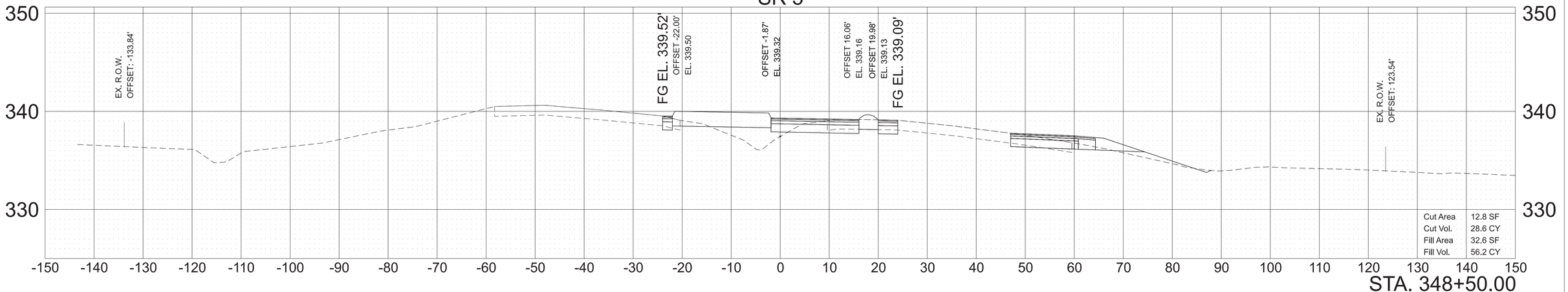
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	27
PIH	2025	HSIP-5(114)	27
PS&E	2026	HSIP-5(114)	27

SR 5



STA. 348+82.91

SR 5



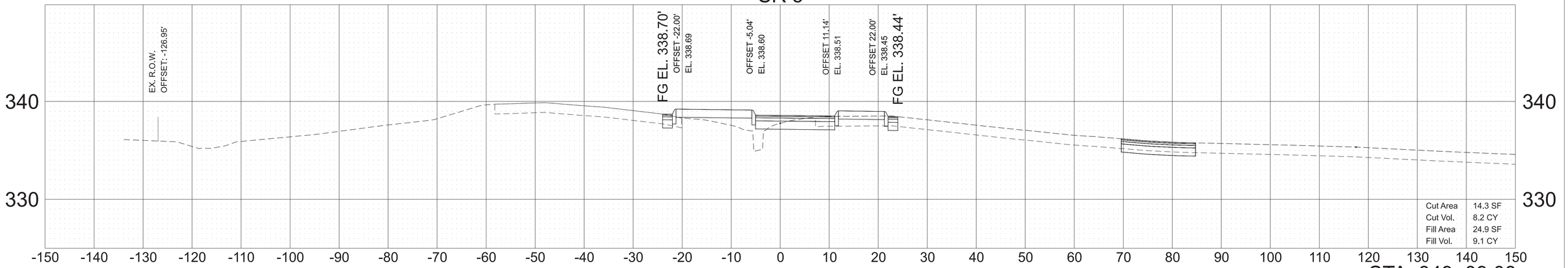
STA. 348+50.00

SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 348+50.00 END STA. 348+82.91

1/20/2026 12:52:39 PM
C:\PW\KH1\D0268543\02TS005-SHT-XS.DGN

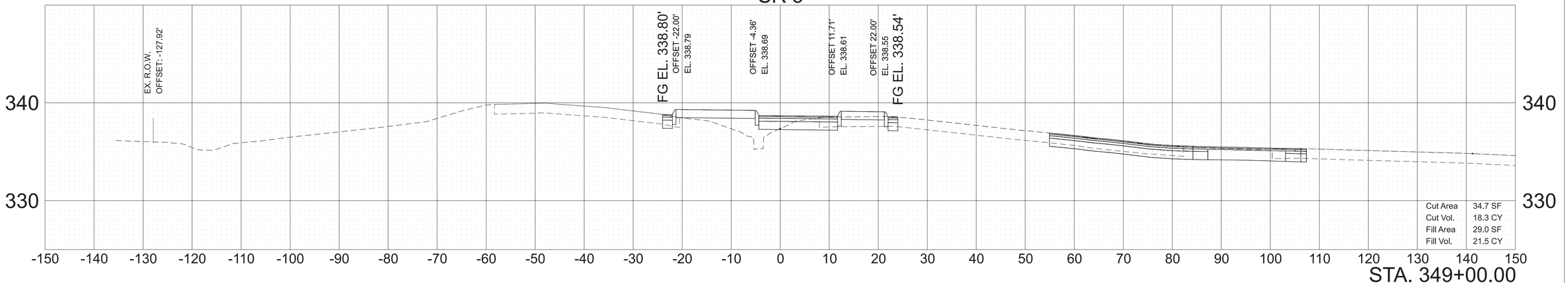
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	28
PIH	2025	HSIP-5(114)	28
PS&E	2026	HSIP-5(114)	28

SR 5



STA. 349+09.08

SR 5

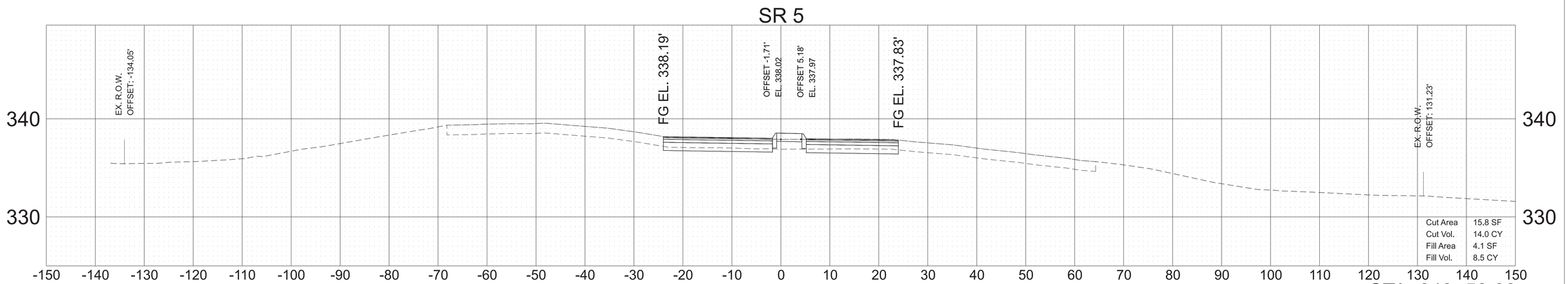


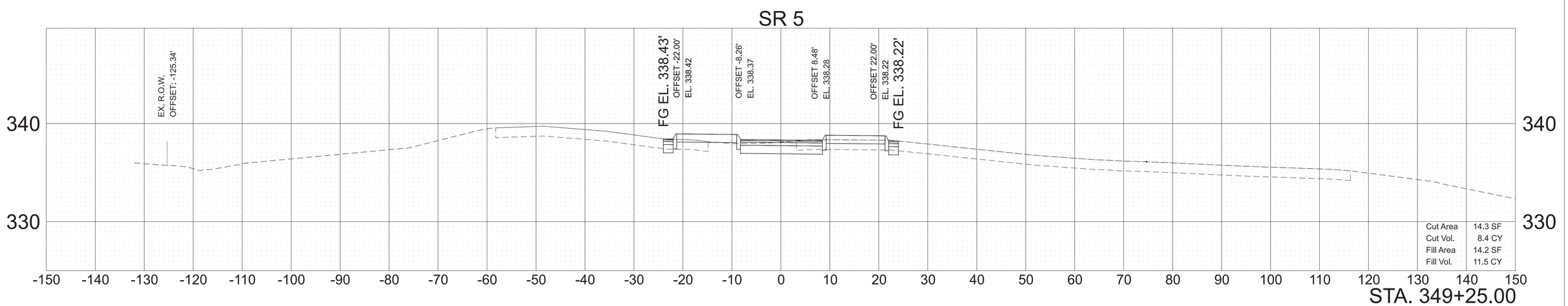
STA. 349+00.00

SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 349+00.00 END STA. 349+09.08

1/20/2026 12:52:40 PM
C:\PW\KH1\D0268543\02TS005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	29
PIH	2025	HSIP-5(114)	29
PS&E	2026	HSIP-5(114)	29

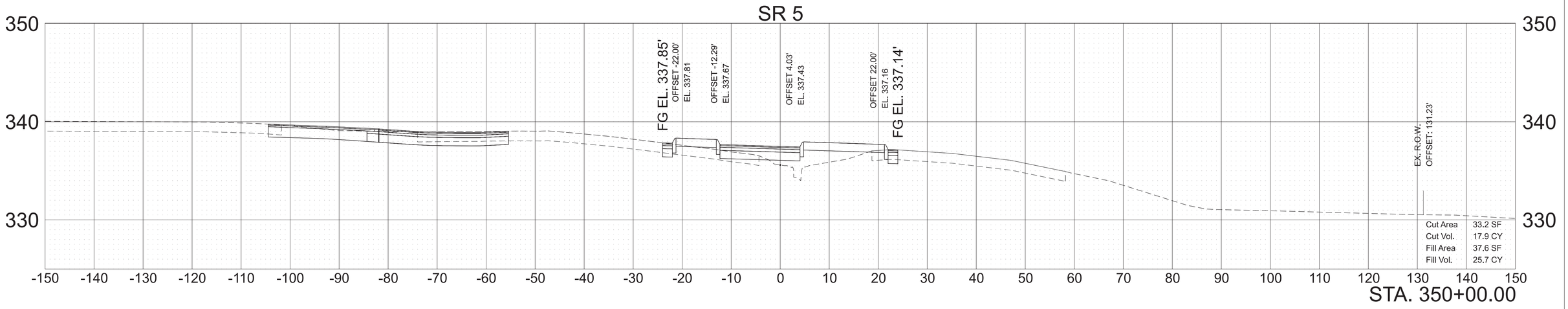


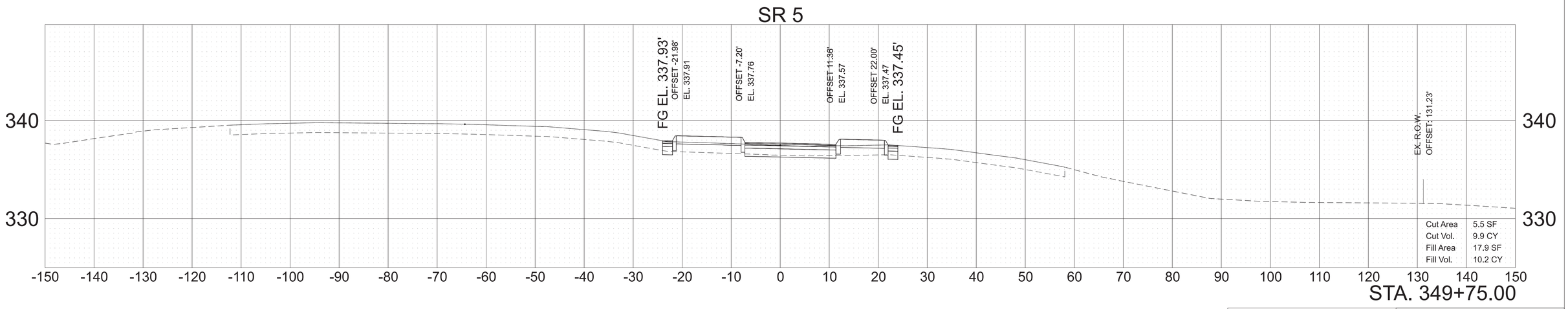


SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 349+25.00 END STA. 349+50.00

1/20/2026 12:52:41 PM
C:\PWKH1\D0268543\27S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	30
PIH	2025	HSIP-5(114)	30
PS&E	2026	HSIP-5(114)	30

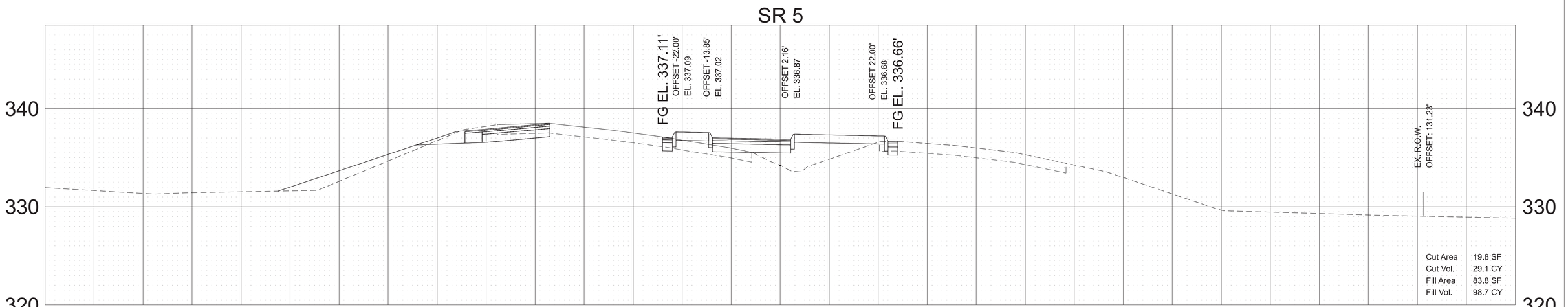




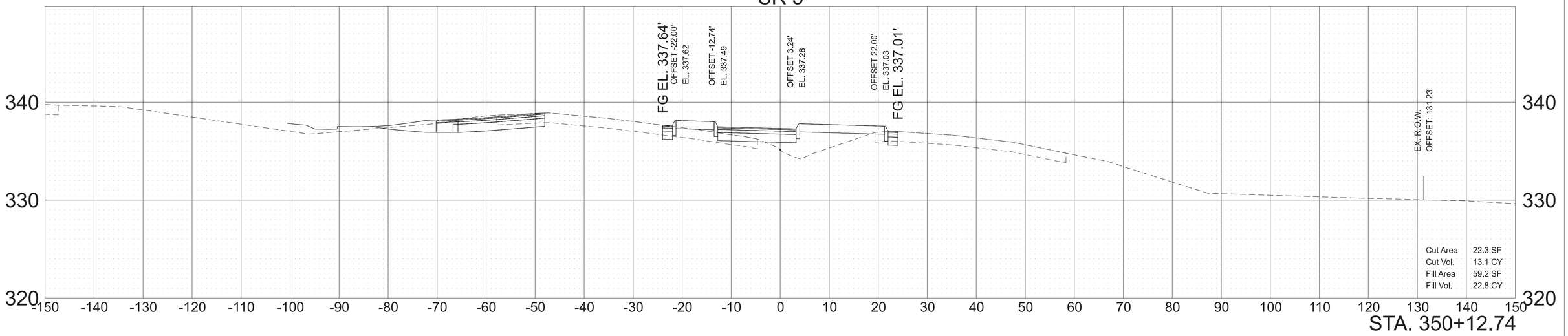
SCALE:	1"=10' HORIZ.	BEGIN STA. 349+75.00
	1"=5' VERT.	END STA. 350+00.00

1/20/2026 12:52:43 PM
C:\PW\KH1\D0268543\02\TS005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	31
PIH	2025	HSIP-5(114)	31
PS&E	2026	HSIP-5(114)	31



STA. 350+50.00

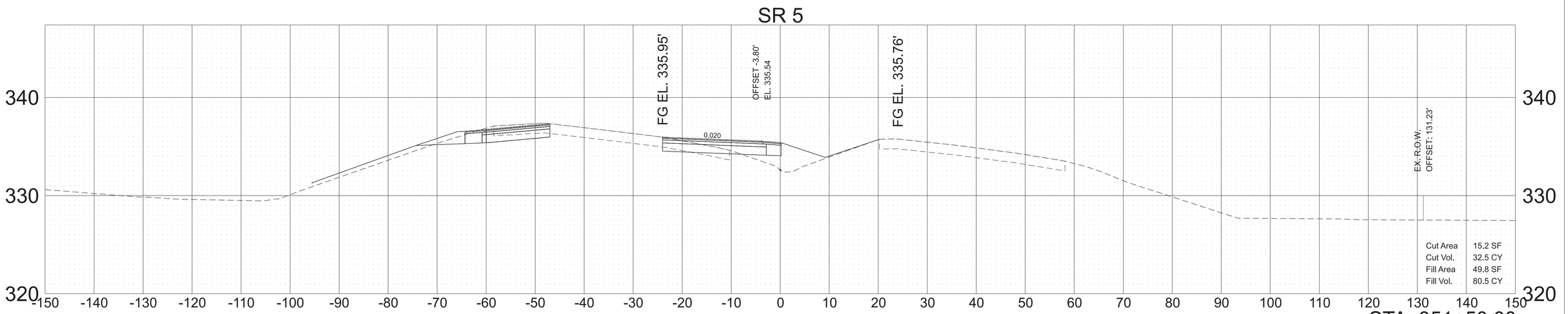


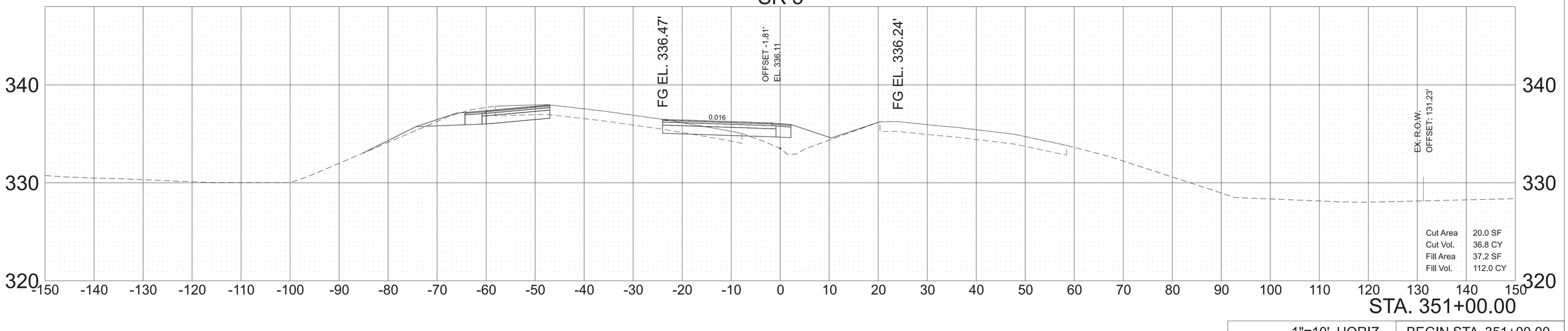
STA. 350+12.74

SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 350+12.74 END STA. 350+50.00

1/20/2026 12:52:44 PM
C:\PW\KH1\D0268543\27S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	32
PIH	2025	HSIP-5(114)	32
PS&E	2026	HSIP-5(114)	32



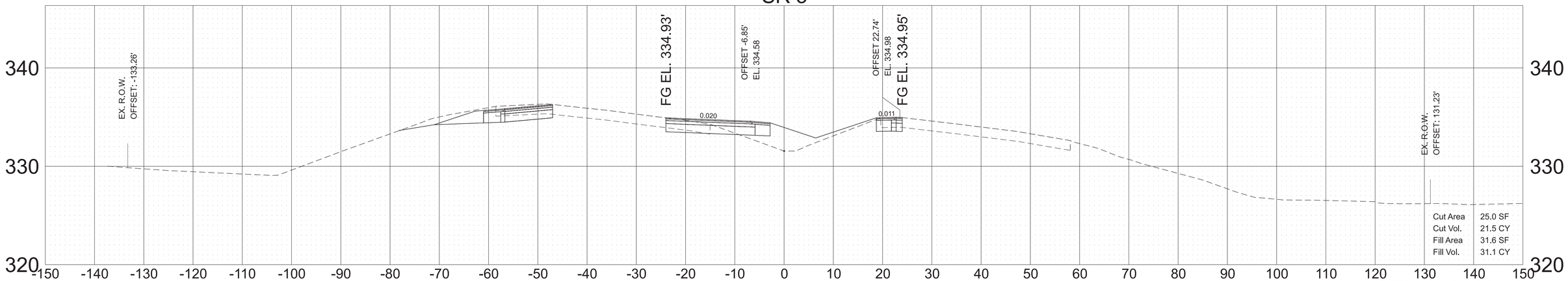


SCALE:	1"=10' HORIZ.	BEGIN STA. 351+00.00
	1"=5' VERT.	END STA. 351+50.00

1/20/2026 12:52:45 PM
C:\PWKH1\D0268543\27S005-SHT-XS.DGN

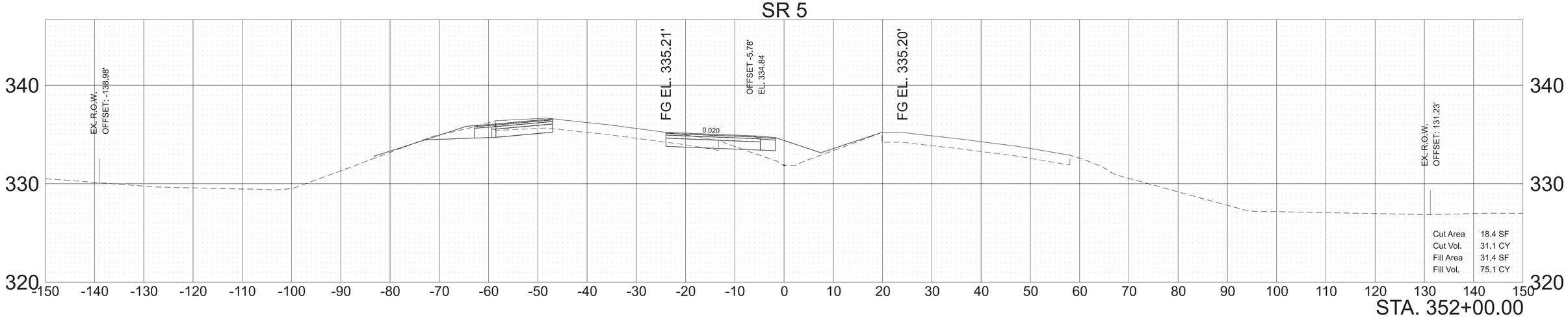
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	33
PIH	2025	HSIP-5(114)	33
PS&E	2026	HSIP-5(114)	33

SR 5



STA. 352+26.70

SR 5



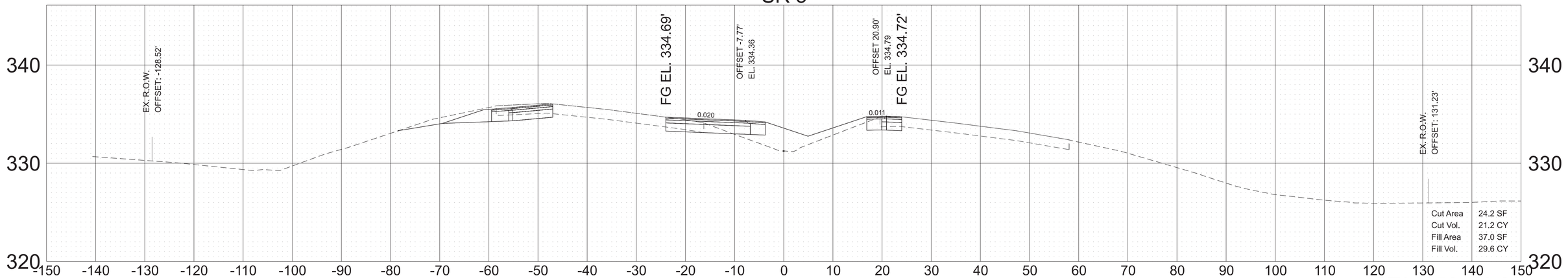
STA. 352+00.00

SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 352+00.00
		END STA. 352+26.70

1/20/2026 12:52:47 PM
C:\PW\KH1\D0268543\275005-SHT-XS.DGN

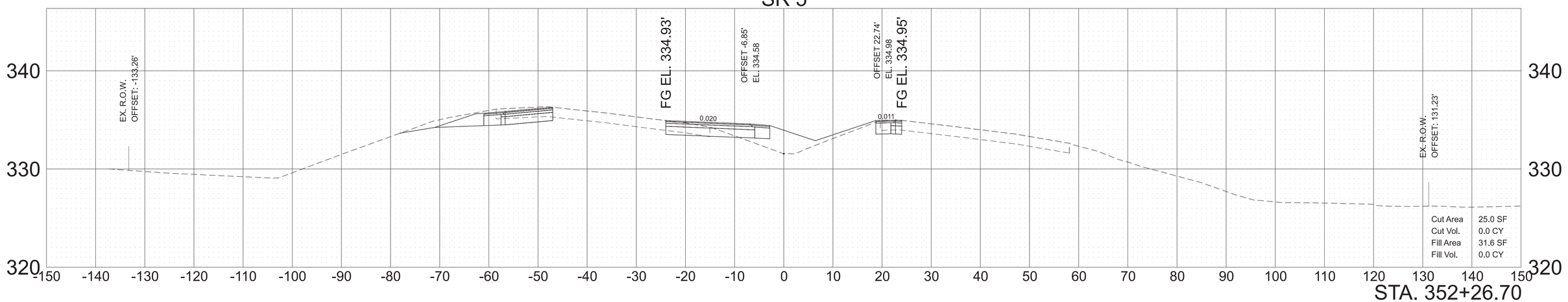
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	34
PIH	2025	HSIP-5(114)	34
PS&E	2026	HSIP-5(114)	34

SR 5



STA. 352+50.00

SR 5

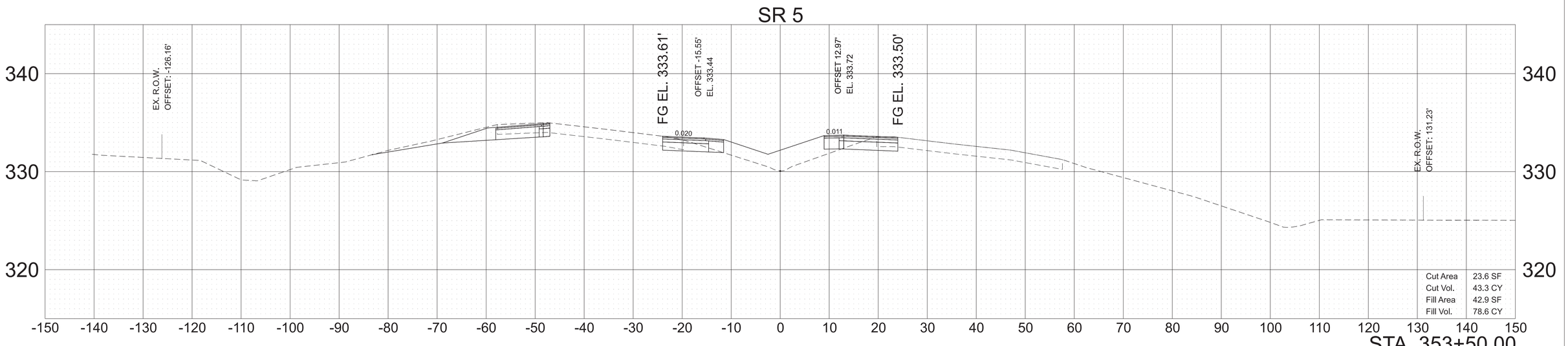


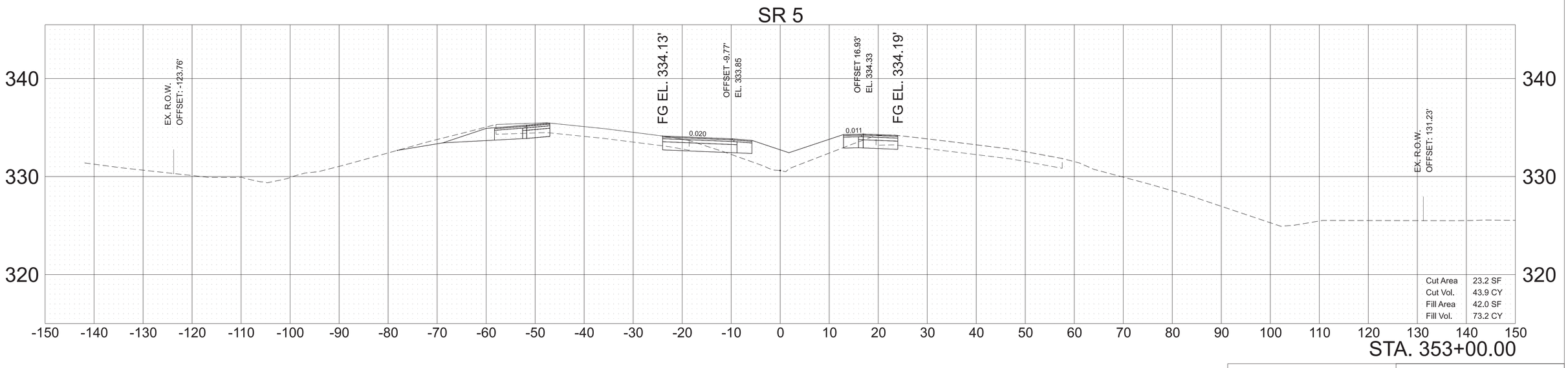
STA. 352+26.70

SCALE:	1"=10' HORIZ.	BEGIN STA. 352+26.70
	1"=5' VERT.	END STA. 352+50.00

1/20/2026 12:52:48 PM
C:\PW\KH1\D0268543\27S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	35
PIH	2025	HSIP-5(114)	35
PS&E	2026	HSIP-5(114)	35

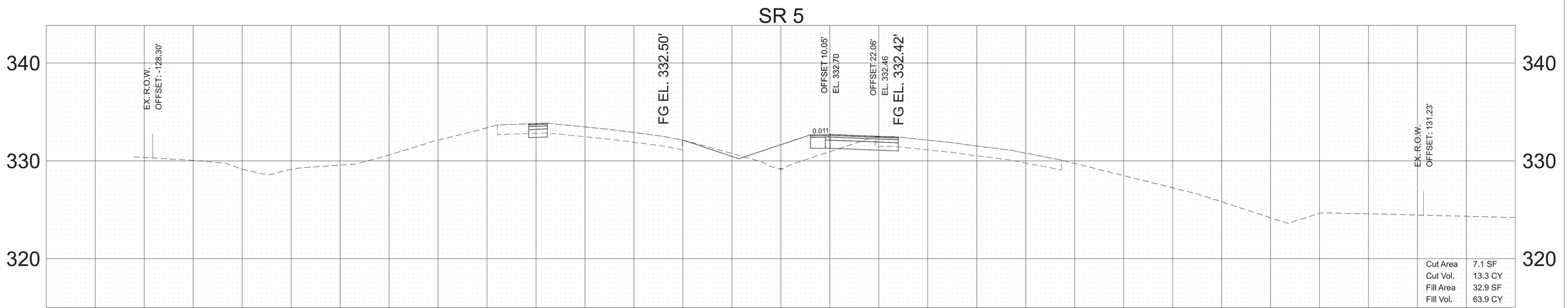


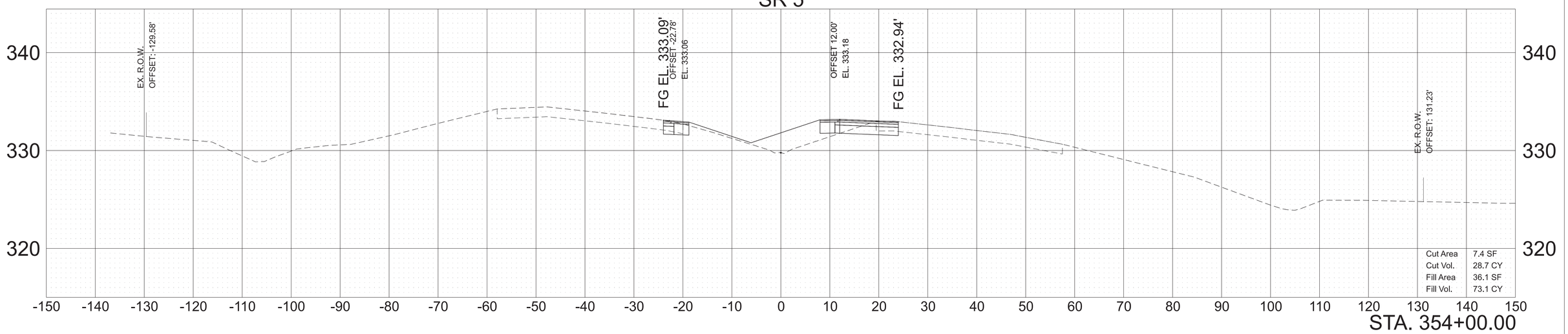


SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 353+00.00 END STA. 353+50.00

1/20/2026 12:52:50 PM
C:\PW\KH1\D0268543\27S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	36
PIH	2025	HSIP-5(114)	36
PS&E	2026	HSIP-5(114)	36

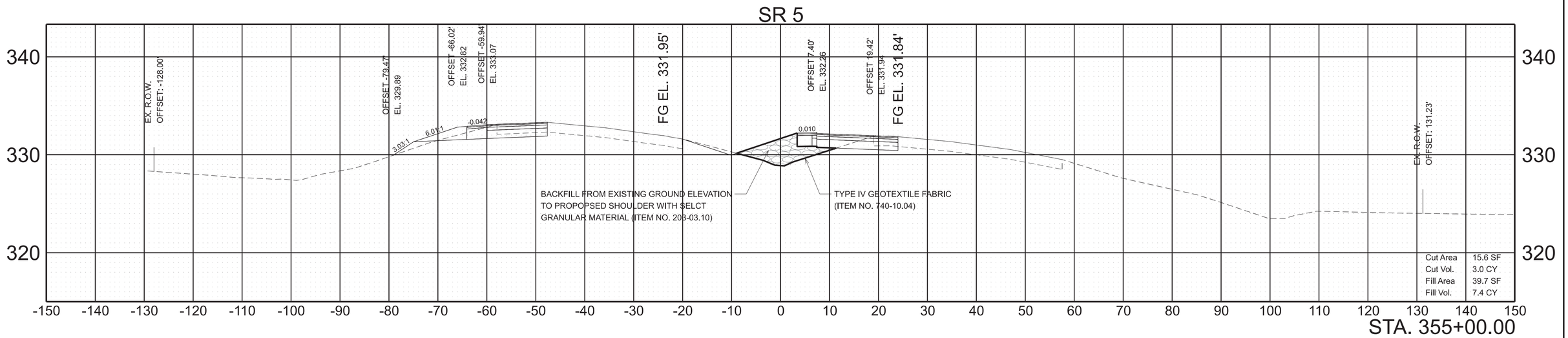




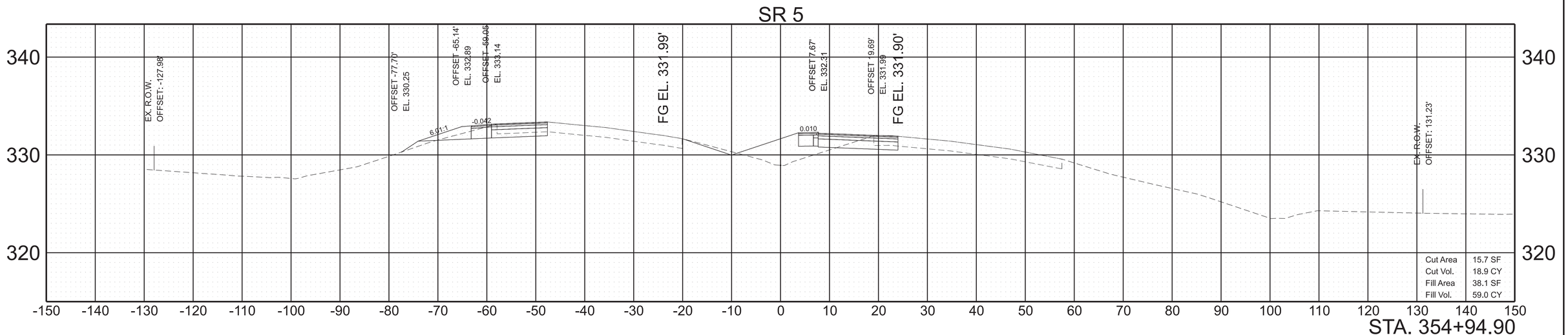
SCALE:	1"=10' HORIZ.	BEGIN STA. 354+00.00
	1"=5' VERT.	END STA. 354+50.00

1/20/2026 12:52:51 PM
C:\PW\KH1\D0268543\27S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	37
PIH	2025	HSIP-5(114)	37
PS&E	2026	HSIP-5(114)	37



Cut Area	15.6 SF
Cut Vol.	3.0 CY
Fill Area	39.7 SF
Fill Vol.	7.4 CY



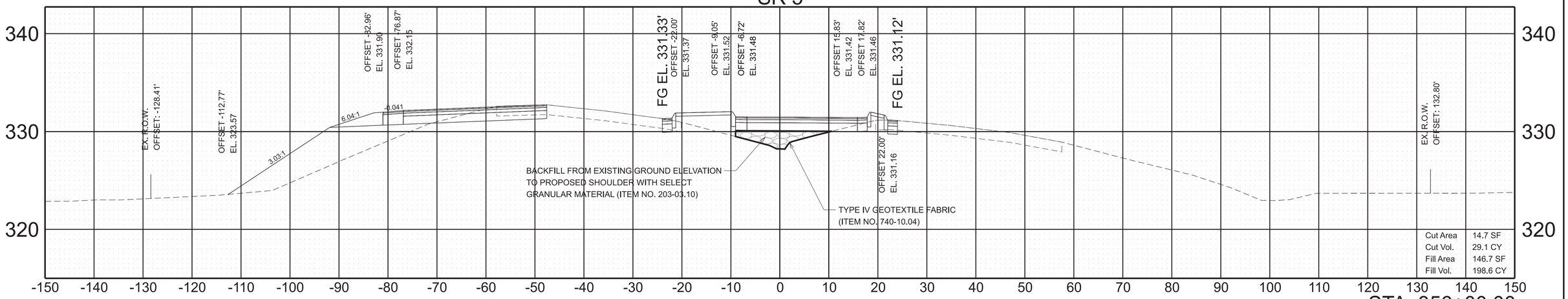
Cut Area	15.7 SF
Cut Vol.	18.9 CY
Fill Area	38.1 SF
Fill Vol.	59.0 CY

SCALE: 1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 354+94.90 END STA. 355+00.00

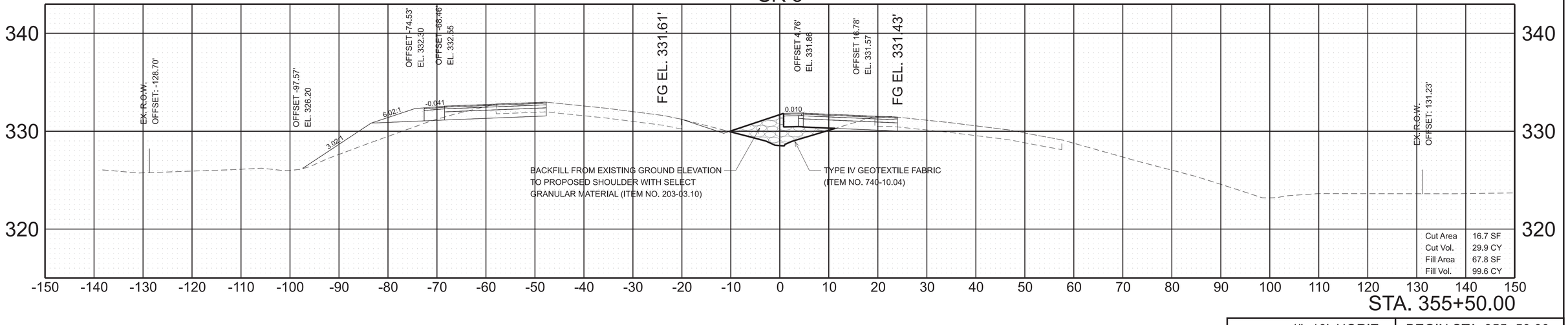
1/20/2026 12:52:53 PM
C:\PWKH1\D0268543\27S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	38
PIH	2025	HSIP-5(114)	38
PS&E	2026	HSIP-5(114)	38

SR 5



SR 5

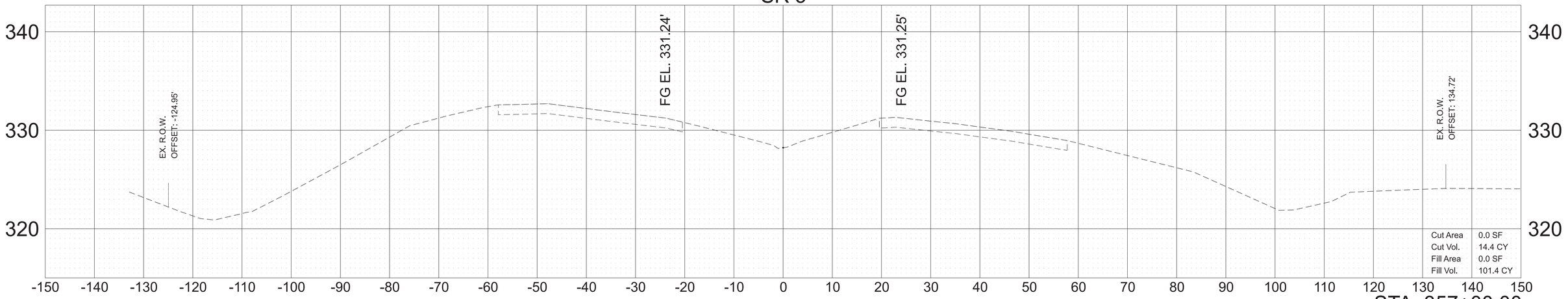


SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 355+50.00 END STA. 356+00.00

1/20/2026 12:52:54 PM
C:\PWK11\D0268543127S005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	39
PIH	2025	HSIP-5(114)	39
PS&E	2026	HSIP-5(114)	39

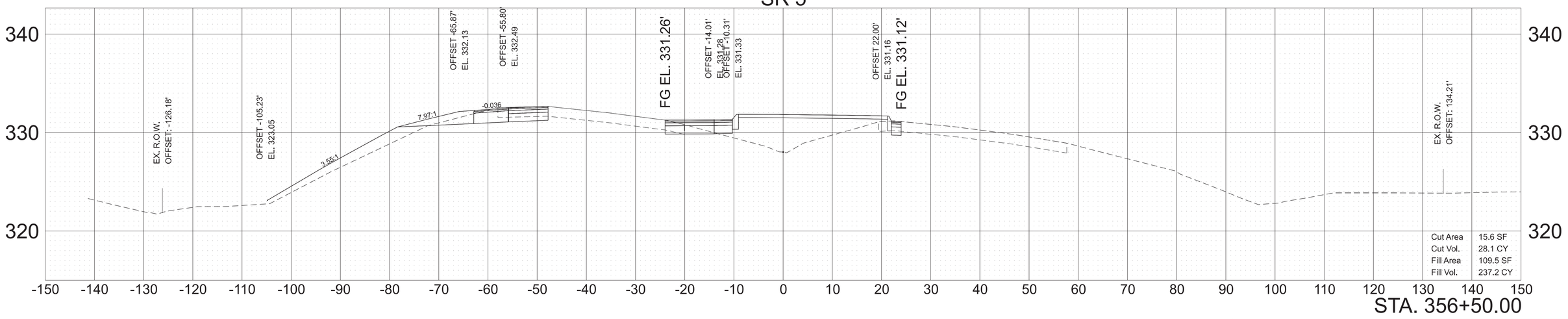
SR 5



Cut Area	0.0 SF
Cut Vol.	14.4 CY
Fill Area	0.0 SF
Fill Vol.	101.4 CY

STA. 357+00.00

SR 5



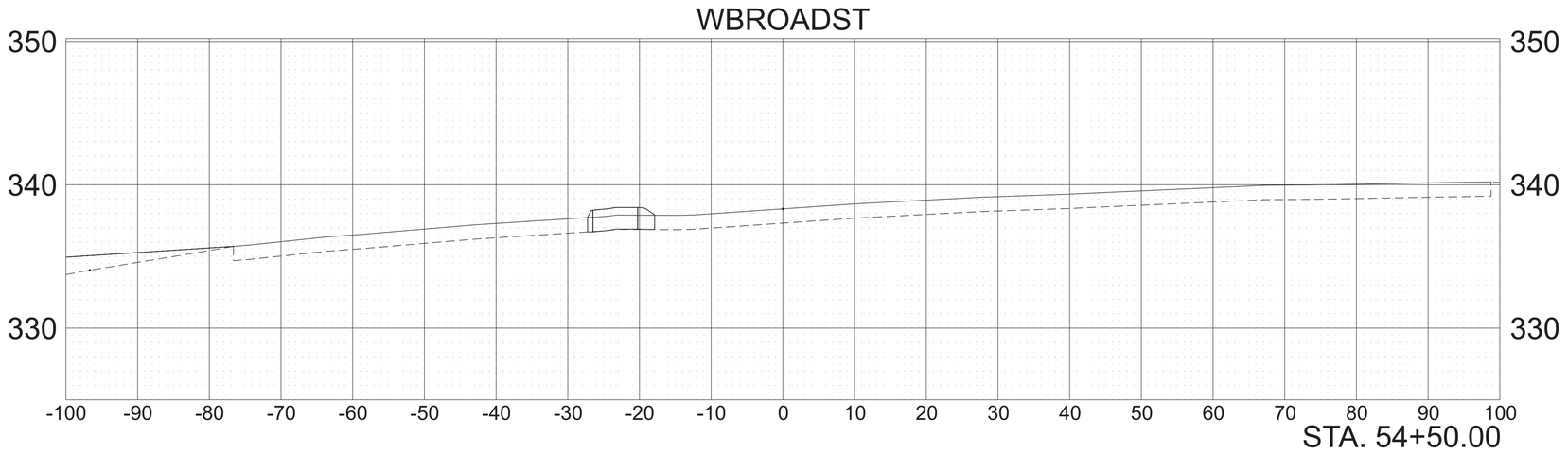
Cut Area	15.6 SF
Cut Vol.	28.1 CY
Fill Area	109.5 SF
Fill Vol.	237.2 CY

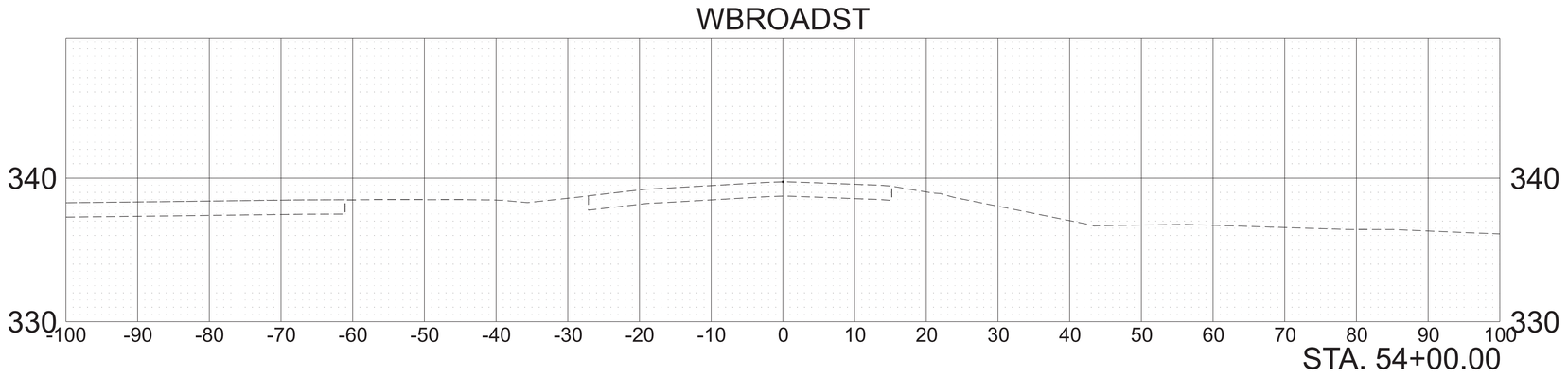
STA. 356+50.00

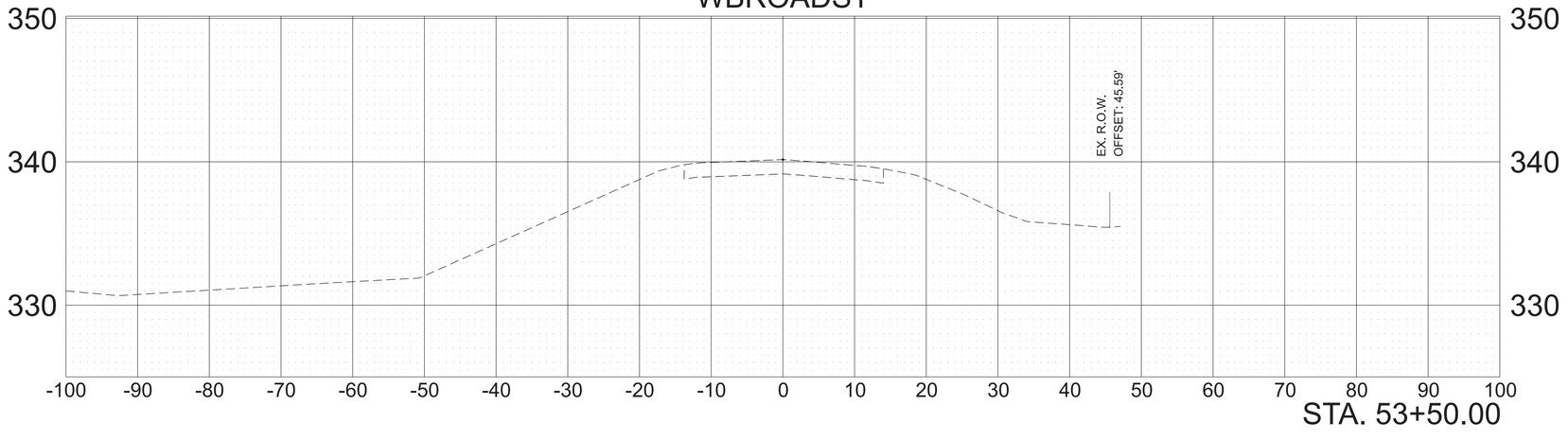
SCALE:		
	1"=10' HORIZ.	BEGIN STA. 356+50.00
	1"=5' VERT.	END STA. 357+00.00

1/20/2026 12:52:55 PM
C:\PW\KH1\D0268543\02TS005-SHT-XS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	40
PIH	2025	HSIP-5(114)	40
PS&E	2026	HSIP-5(114)	40







1/20/2026 11:09:35 AM
C:\PW\KH1\D0268543\27S005-SHT-SIDEROADXS.DGN

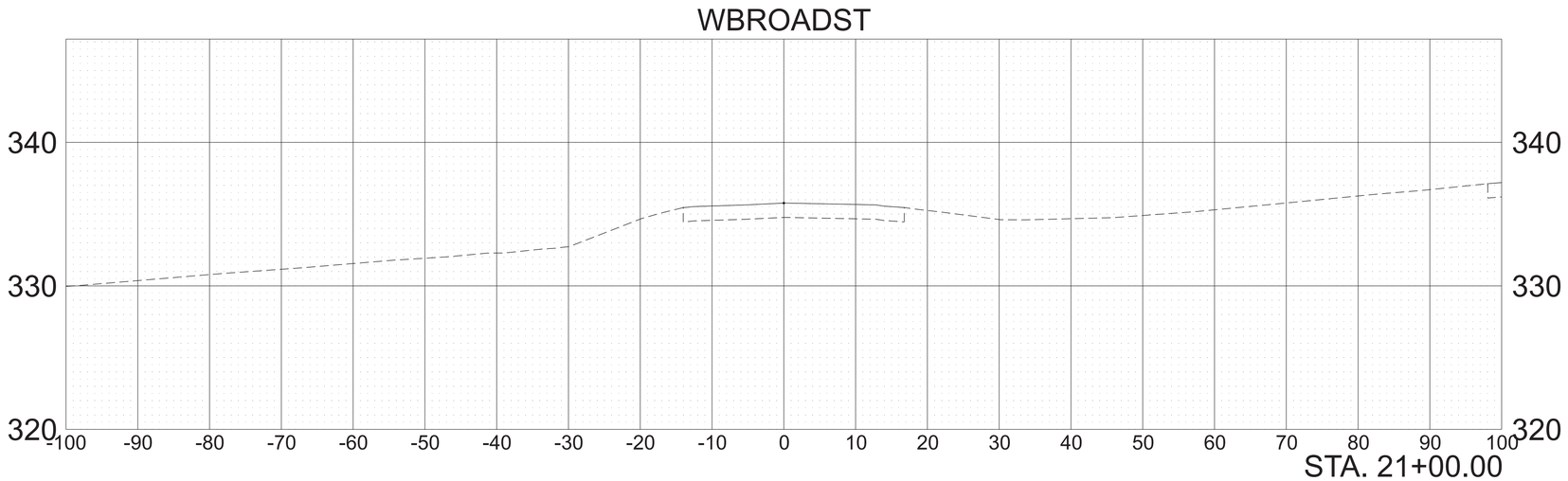
SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 53+50.00 END STA. 54+50.00

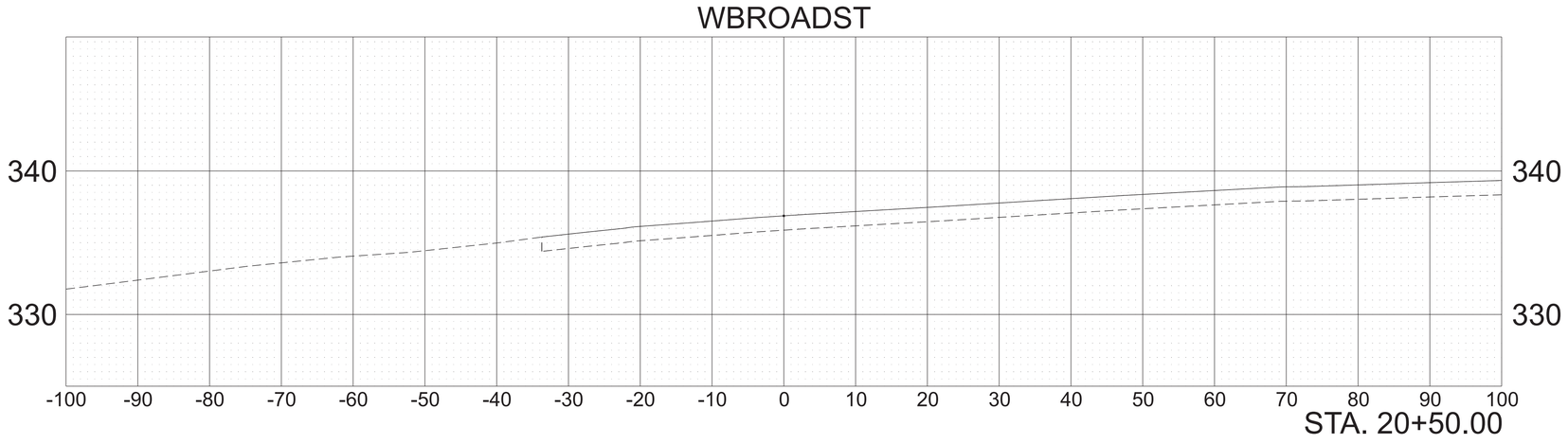
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	41
PIH	2025	HSIP-5(114)	41
PS&E	2026	HSIP-5(114)	41

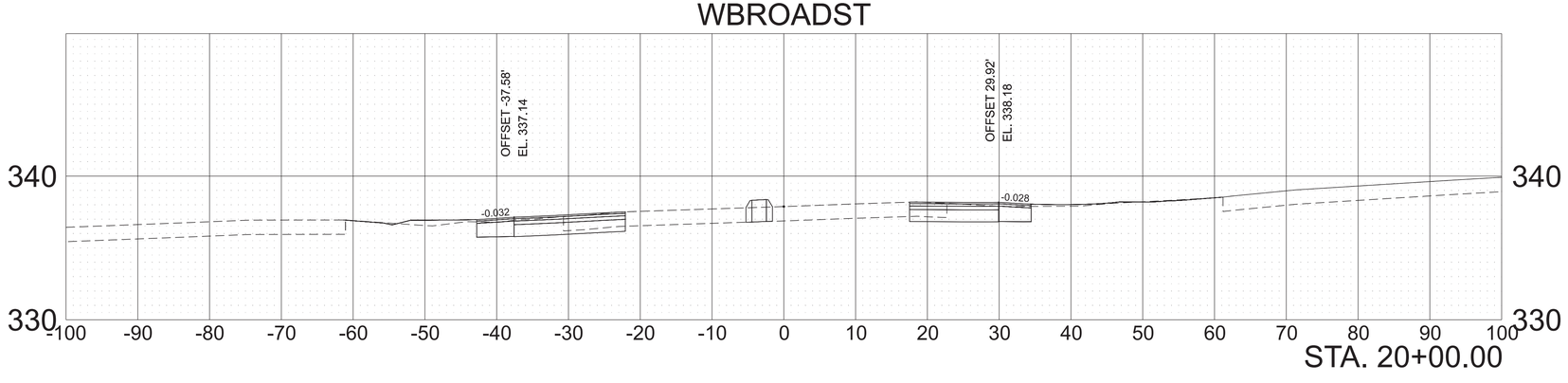
SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 54+78.52 END STA. 54+78.52

1/20/2026 11:09:37 AM
C:\PWKH1\D0268543\27S005-SHT-SIDEROADXS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	42
PIH	2025	HSIP-5(114)	42
PS&E	2026	HSIP-5(114)	42







SCALE:	1"=10' HORIZ. 1"=5' VERT.	BEGIN STA. 20+00.00 END STA. 21+00.00

1/20/2026 11:09:38 AM
C:\PWKH1\D0268543\27S005-SHT-SIDEROADXS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	T-1
PIH	2025	HSIP-5(114)	T1
PS&E	2026	HSIP-5(114)	T1

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.

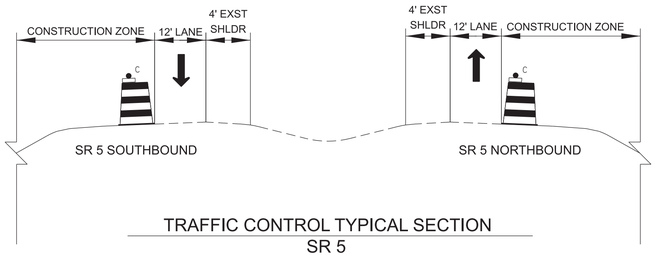
SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL

1/20/2026 11:09:55 AM
C:\PW\KH1\D0268543\27S005-SHT-TRAFFIC CONTROL NOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	T-2
PIH	2025	HSIP-5(114)	T2
PS&E	2026	HSIP-5(114)	T2



TRAFFIC CONTROL TYPICAL SECTION
SR 5

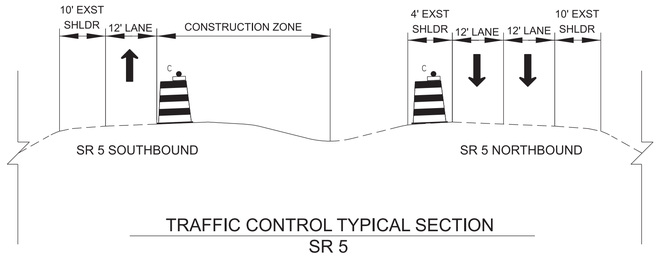
PHASE 1
STA 342+20± TO 345+25±
AND
STA 354+00± TO STA 356+90±

PHASE 1 ROAD CLOSURES AND LANE ASSIGNMENTS

- OUTSIDE SR 5 SOUTHBOUND LANE CLOSED, INSIDE LANE OPEN.
- OUTSIDE SR 5 NORTHBOUND LANE CLOSED, INSIDE LANE OPEN.

PHASE 1 CONSTRUCTION

- CONSTRUCT BUMPOUT ON OUTSIDE LANE EACH END OF PROJECT.



TRAFFIC CONTROL TYPICAL SECTION
SR 5

PHASE 2A
STA 342+25± TO STA 348+50±
AND
STA 350+50± TO STA 357+00±

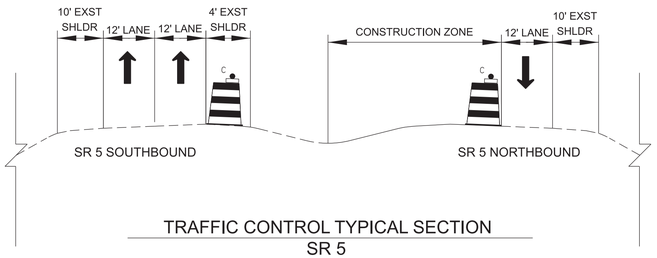
PHASE 2A ROAD CLOSURES AND LANE ASSIGNMENTS

- BOTH SR 5 NORTHBOUND LANES OPEN TO TRAFFIC.
- INSIDE SR 5 SOUTHBOUND LANE CLOSED, OUTSIDE LANE OPEN.

PHASE 2A CONSTRUCTION

- CONSTRUCT INSIDE WIDENING ON SOUTHBOUND SR 5.
- CONSTRUCT PART OF CROSSOVER ON EACH END OF PROJECT.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	TEMPORARY BARRICADE (TYPE II)
	WORK ZONE
→	TRAFFIC FLOW
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)



TRAFFIC CONTROL TYPICAL SECTION
SR 5

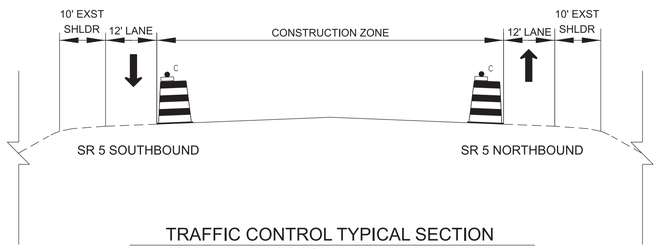
PHASE 2B
STA 342+25± TO 348+50±
AND
STA 350+50± TO STA 357+00±

PHASE 2B ROAD CLOSURES AND LANE ASSIGNMENTS

- BOTH SR 5 SOUTHBOUND LANES OPEN TO TRAFFIC.
- INSIDE SR 5 NORTHBOUND LANE CLOSED, OUTSIDE LANE OPEN.

PHASE 2B CONSTRUCTION

- CONSTRUCT INSIDE WIDENING ON NORTHBOUND SR 5.
- CONSTRUCT PART OF CROSSOVER ON EACH END OF PROJECT.



TRAFFIC CONTROL TYPICAL SECTION
SR 5

PHASE 3

STA 348+50± TO STA 350+60±

PHASE 3 ROAD CLOSURES AND LANE ASSIGNMENTS

- SR 5 SOUTH AND NORTHBOUND INSIDE LANES ARE CLOSED, OUTSIDE LANES REMAIN OPEN.

PHASE 3 CONSTRUCTION

- CONSTRUCT WIDENING OF MEDIAN INTERSECTION AT SR 5 AND W BROAD ST/OLD DYER YORKVILLE RD.
- CONSTRUCT CURBED MEDIAN IN CENTER OF INTERSECTION.

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PHASING NOTES AND LEGEND

1/20/2026 11:10:25 AM
C:\PWKH1\D0268543\27S005-SHT-TRAFFIC CONTROL NOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	T-3
PIH	2025	HSIP-5(114)	T3
PS&E	2026	HSIP-5(114)	T3

TRAFFIC CONTROL SIGN TABULATION

M.U.T.C.D. SIGN NO.	LEGEND	SIZE IN INCHES W	x	H	SIGN SIZE (S.F.)	NO. REQUIRED PHASE 1	NO. REQUIRED PHASE 2A	NO. REQUIRED PHASE 2B	NO. REQUIRED PHASE 3	TOTAL NO. REQUIRED	ITEM NO. 712-06 (S.F.)	REMARKS
W4-2L	LANE ENDS (LEFT)	48"	x	48"	16.00			1	2	2	32.0	
W4-2R	LANE ENDS (RIGHT)	48"	x	48"	16.00	2	1			2	32.0	
W20-1	ROAD WORK AHEAD	48"	x	48"	16.00	4	5	5	6	6	96.0	
W20-1	ROAD WORK 1 MILE	48"	x	48"	16.00	2	1	1	2	2	32.0	
W20-5L	LEFT LANE CLOSED 1/2 MILE	36"	x	36"	9.00		1	1	2	2	18.0	
W20-5R	RIGHT LANE CLOSED 1/2 MILE	48"	x	48"	16.00	2				2	32.0	
G20-2	END ROAD WORK	48"	x	24"	8.00	6	6	6	8	8	64.0	
R3-5R	RIGHT TURN ONLY	30"	X	36"	7.50				2	2	15.0	
R11-2	ROAD CLOSED	48"	x	30"	10.00	2	2	4	8	8	80.0	
TOTAL											**401.00**	

TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	PHASE 1	PHASE 2A	PHASE 2B	PHASE 3	TOTAL REQUIRED	REMARKS
712-01	TRAFFIC CONTROL	LS					1	
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	61	85	85	46	277	
712-05.03	WARNING LIGHTS (TYPE C)	EACH	65	89	93	60	307	
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	24	24	48	96	96	

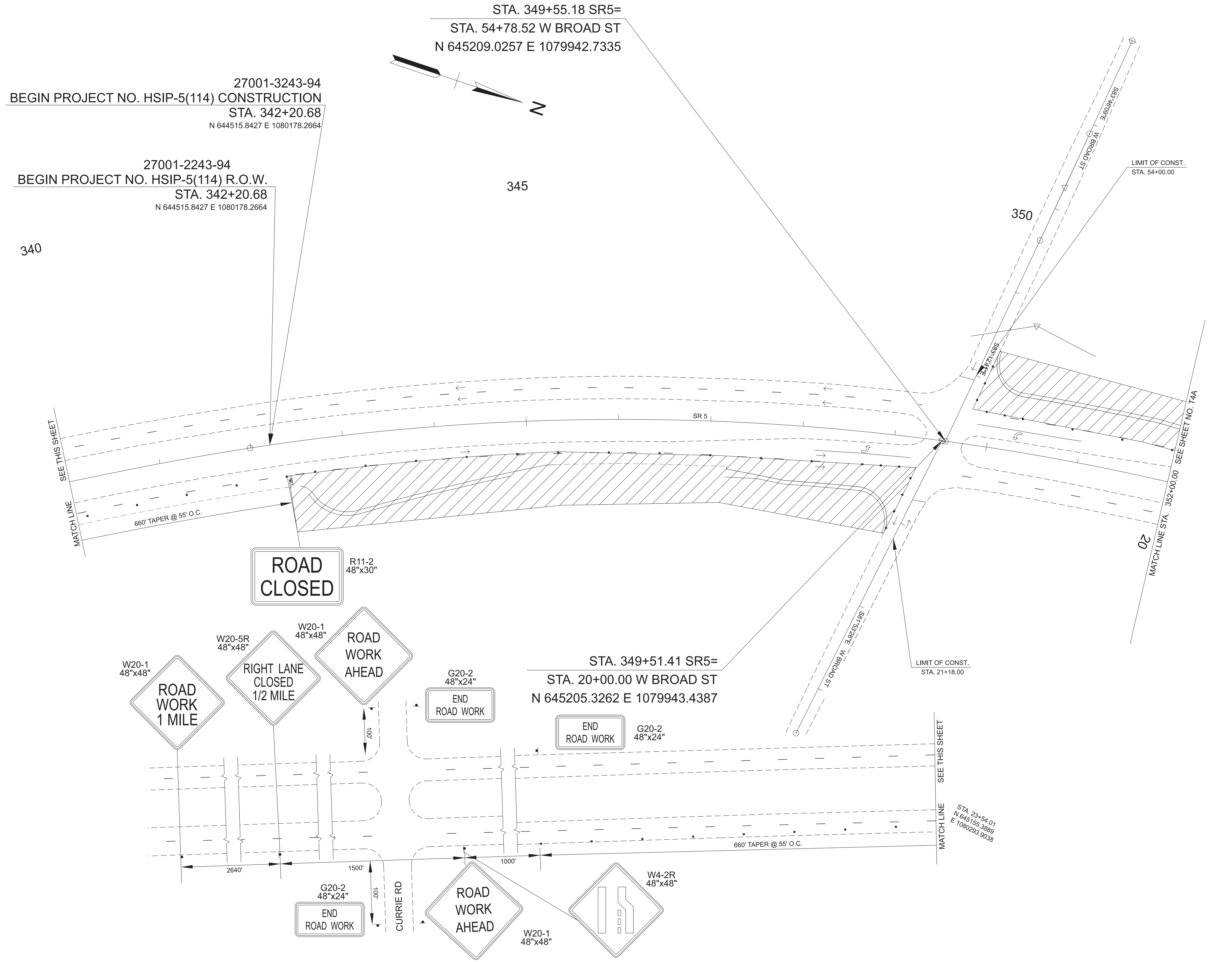
SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL TABULATION

1/20/2026 11:10:27 AM
C:\PW\KH1\D0268543\27S005-SHT-TRAFFIC CONTROL NOTES.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	T-4
PIH	2025	HSIP-5(114)	T4
PS&E	2026	HSIP-5(114)	T4



STA. 349+55.18 SR5=
STA. 54+78.52 W BROAD ST
N 645209.0257 E 1079942.7335
N
27001-3243-94
BEGIN PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 342+20.68
N 644515.8427 E 1080178.2664
27001-2243-94
BEGIN PROJECT NO. HSIP-5(114) R.O.W.
STA. 342+20.68
N 644515.8427 E 1080178.2664
345
340
350
50
LIMIT OF CONST.
STA. 54+00.00
W BROAD ST
SR 5
SEE THIS SHEET
MATCH LINE
660' TAPER @ 55' O.C.
SEE SHEET NO. T4A
MATCH LINE STA. 352+00.00
20
ROAD CLOSED
R11-2
48"x30"
W20-1
48"x48"
W20-5R
48"x48"
ROAD WORK 1 MILE
RIGHT LANE CLOSED 1/2 MILE
ROAD WORK AHEAD
G20-2
48"x24"
END ROAD WORK
STA. 349+51.41 SR5=
STA. 20+00.00 W BROAD ST
N 645205.3262 E 1079943.4387
LIMIT OF CONST.
STA. 21+18.00
100'
2640'
1500'
1000'
CURRIE RD
W4-2R
48"x48"
STA. 23+54.01
N 645155.3889
E 1080283.9038

WORK ZONE

SEALED BY

DRAKE E. DANLEY
STATE OF TENNESSEE
02/17/26

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS
PHASE 1

STA. 340+00 TO STA. 352+00
SCALE: 1" = 50'

1/20/2026 11:10:55 AM
C:\PWKH1\D0268543\27S005-SHT-TCP.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	T-4A
PIH	2025	HSIP-5(114)	T4A
PS&E	2026	HSIP-5(114)	T4A

STA. 50+00.00
N 645263.9023
E 1079467.3745

27001-3243-94
END PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 356+90.70
N 645941.3229 E 1079907.9203

27001-2243-94
END PROJECT NO. HSIP-5(114) R.O.W.
STA. 356+90.70
N 645941.3229 E 1079907.9203

355

360

N

STA. 362+39.95
N 646481.0925
E 1080006.7447

R11-2
48"x30"
ROAD CLOSED

660' TAPER @ 55 O.C.

1000'

SR 5

SEE SHEET NO. T4

MATCH LINE STA. 352+00.00

SEE THIS SHEET

MATCH LINE

W4-2R
48"x48"

W20-1
48"x48"
ROAD WORK AHEAD

G20-2
48"x24"
END ROAD WORK

W20-5R
48"x48"
RIGHT LANE CLOSED 1/2 MILE

W20-1
48"x48"
ROAD WORK 1 MILE

1000'

100'

1500'

2640'

SEE THIS SHEET

MATCH LINE

OLD YORKVILLE HWY

ORR RD

100'

G20-2
48"x24"
END ROAD WORK

W20-1
48"x48"
ROAD WORK AHEAD

G20-2
48"x24"
END ROAD WORK

WORK ZONE

SEALED BY

DRAKE E. DANLEY
Registered
AGRICULTURE
02/17/26
NUMBER
1055
STATE OF TENNESSEE

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

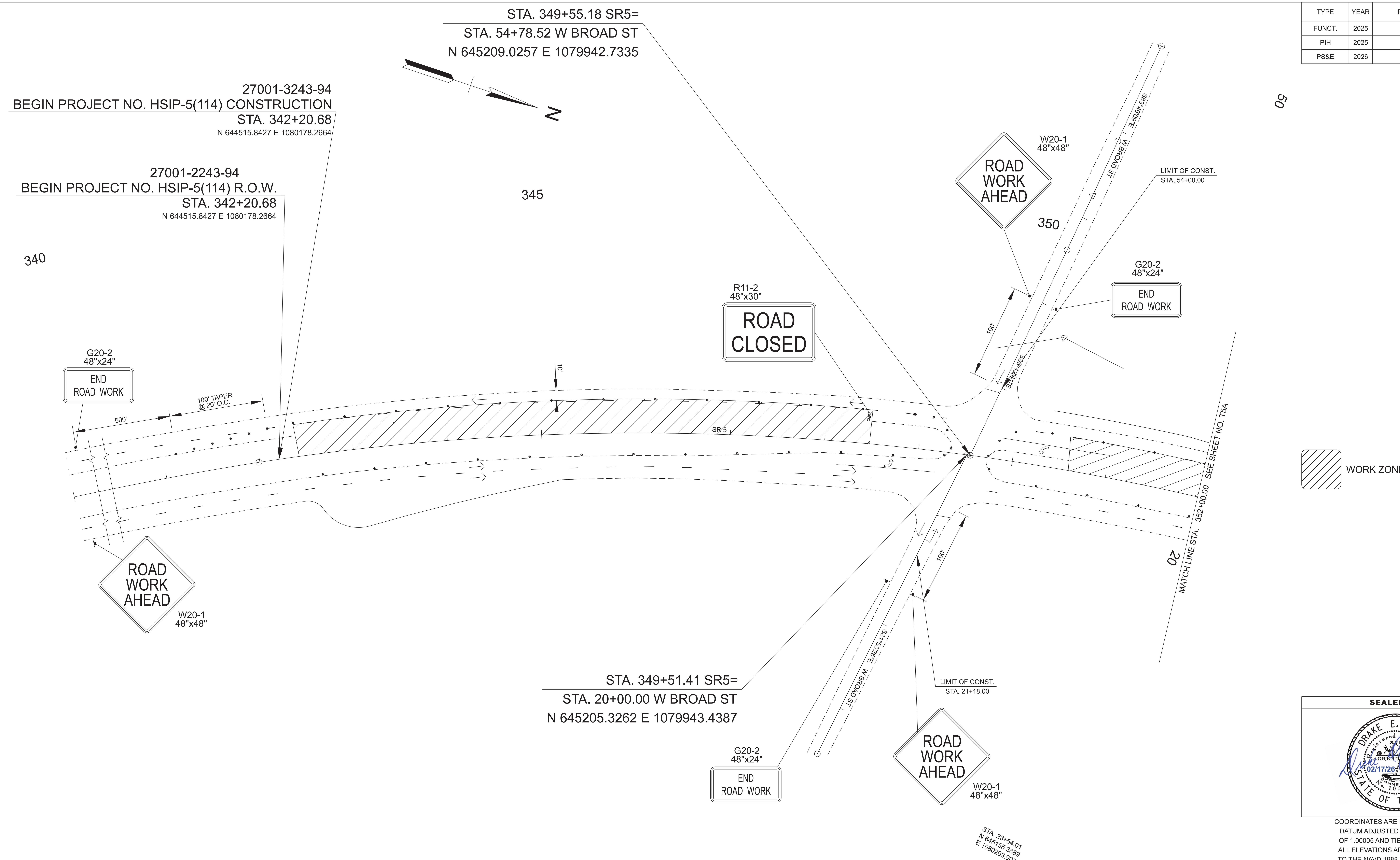
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS PHASE 1

STA. 352+00 TO STA. 362+40
SCALE: 1" = 50'

1/20/2026 11:10:56 AM
C:\PWKH1\D0268543\27S005-SHT-TCP.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	T-5
PIH	2025	HSIP-5(114)	T5
PS&E	2026	HSIP-5(114)	T5



STA. 349+55.18 SR5=
STA. 54+78.52 W BROAD ST
N 645209.0257 E 1079942.7335
N
27001-3243-94
BEGIN PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 342+20.68
N 644515.8427 E 1080178.2664
27001-2243-94
BEGIN PROJECT NO. HSIP-5(114) R.O.W.
STA. 342+20.68
N 644515.8427 E 1080178.2664
340
345
350
50
20
W20-1
48"x48"
ROAD WORK AHEAD
LIMIT OF CONST.
STA. 54+00.00
G20-2
48"x24"
END ROAD WORK
R11-2
48"x30"
ROAD CLOSED
100' TAPER @ 20' O.C.
500'
10'
100'
SR 5
W BROAD ST
MATCH LINE STA. 352+00.00 SEE SHEET NO. T5A
STA. 349+51.41 SR5=
STA. 20+00.00 W BROAD ST
N 645205.3262 E 1079943.4387
LIMIT OF CONST.
STA. 21+18.00
STA. 23+54.01
N 645155.3889
E 1080293.9038
WORK ZONE

SEALED BY

DRAKE E. DANLEY — STATE OF TENNESSEE — 02/17/26

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
PHASE 2A

STA. 340+00 TO STA. 352+00
SCALE: 1" = 50'

1/20/2026 11:11:13 AM
C:\PWKH1D0268543\27S005-SHT-TCP2A.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	T-5A
PIH	2025	HSIP-5(114)	T5A
PS&E	2026	HSIP-5(114)	T5A

STA. 50+00.00
N 645263.9023
E 1079467.3745

27001-3243-94
END PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 356+90.70
N 645941.3229 E 1079907.9203

27001-2243-94
END PROJECT NO. HSIP-5(114) R.O.W.
STA. 356+90.70
N 645941.3229 E 1079907.9203

N

355

360

STA. 362+39.95
N 646481.0925
E 1080086.7447

R11-2
48"x30"

ROAD
CLOSED

12'

36'

825' TAPER @ 55 O.C.

SR 5

MATCH LINE STA. 352+00.00 SEE SHEET NO. T5

MATCH LINE

SEE THIS SHEET

W20-1
48"x48"

ROAD
WORK
AHEAD

G20-2
48"x24"

END
ROAD WORK

100'

JAMES RD

825' TAPER @ 55' O.C.

SEE THIS SHEET

MATCH LINE

1000'

1500'

2640'

W4-2R
48"x48"

W20-5L
48"x48"

LEFT LANE
CLOSED
1/2 MILE

W20-1
48"x48"

ROAD
WORK
1 MILE

OLD YORKVILLE HWY

ORR RD

WORK ZONE

SEALED BY

DRAKE E. DANLEY
Licensed Professional Engineer
DEPARTMENT OF AGRICULTURE
02/17/26
STATE OF TENNESSEE

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00005 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 12B.

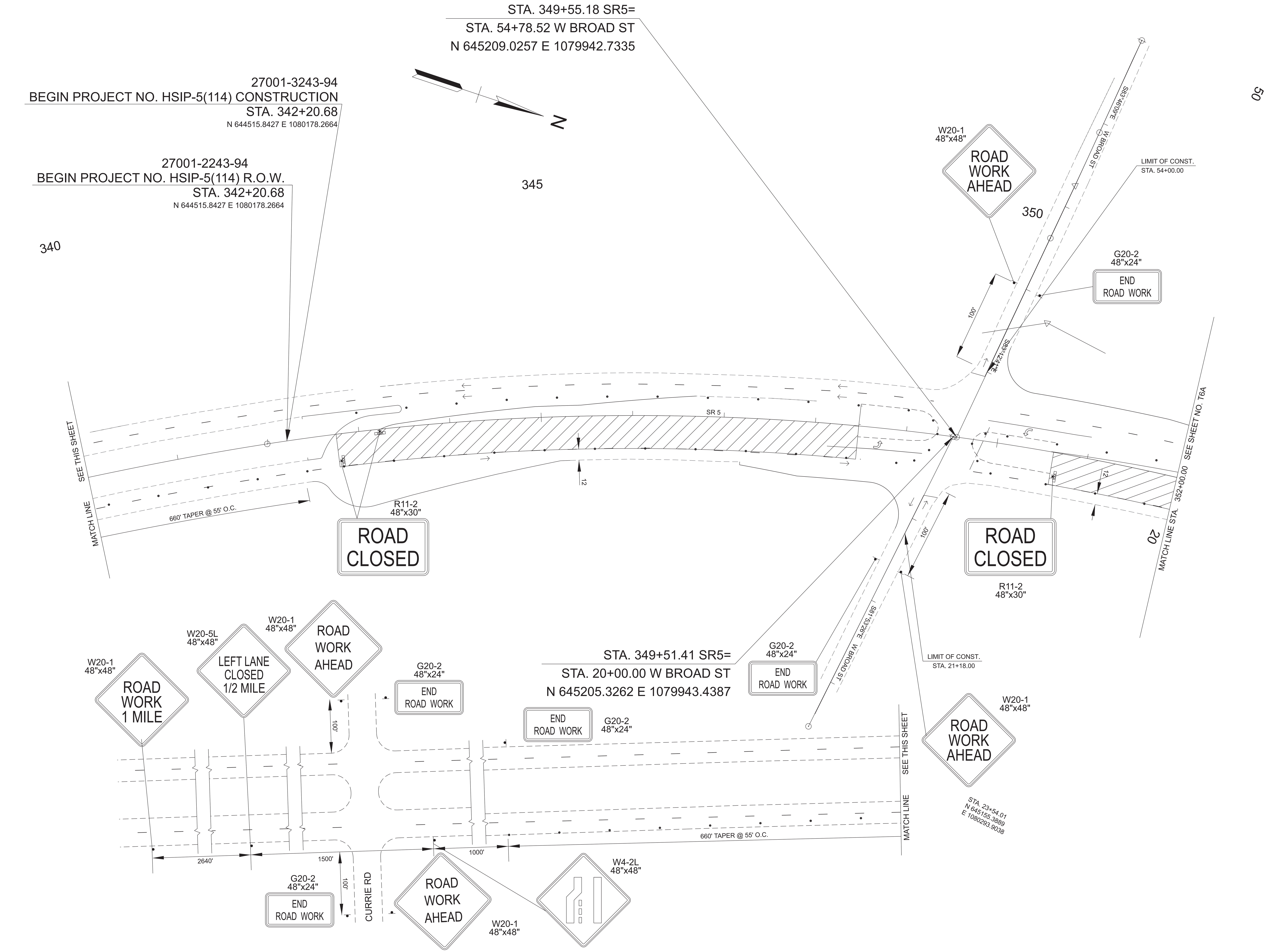
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
PHASE 2A

STA. 352+00 TO STA. 362+40
SCALE: 1" = 50'

1/20/2026 11:11:15 AM
C:\PWKH1\D0268543\27S005-SHT-TCP2A.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	T-6
PIH	2025	HSIP-5(114)	T6
PS&E	2026	HSIP-5(114)	T6



STA. 349+55.18 SR5=
STA. 54+78.52 W BROAD ST
N 645209.0257 E 1079942.7335
27001-3243-94
BEGIN PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 342+20.68
N 644515.8427 E 1080178.2664
27001-2243-94
BEGIN PROJECT NO. HSIP-5(114) R.O.W.
STA. 342+20.68
N 644515.8427 E 1080178.2664
N
340
345
350
50
20
W20-1
48"x48"
ROAD WORK AHEAD
LIMIT OF CONST.
STA. 54+00.00
W BROAD ST
G20-2
48"x24"
END ROAD WORK
100'
SR 5
SEE THIS SHEET
MATCH LINE
660' TAPER @ 55' O.C.
R11-2
48"x30"
ROAD CLOSED
12
SEE SHEET NO. T6A
MATCH LINE STA. 352+00.00
LIMIT OF CONST.
STA. 21+18.00
STA. 349+51.41 SR5=
STA. 20+00.00 W BROAD ST
N 645205.3262 E 1079943.4387
W20-5L
48"x48"
LEFT LANE CLOSED 1/2 MILE
ROAD WORK 1 MILE
2640'
1500'
1000'
CURRIE RD
W4-2L
48"x48"
STA. 23+54.01
N 645155.3889
E 1080293.9038

WORK ZONE

SEALED BY

DRAKE E. DANLEY
STATE OF TENNESSEE
02/17/26

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

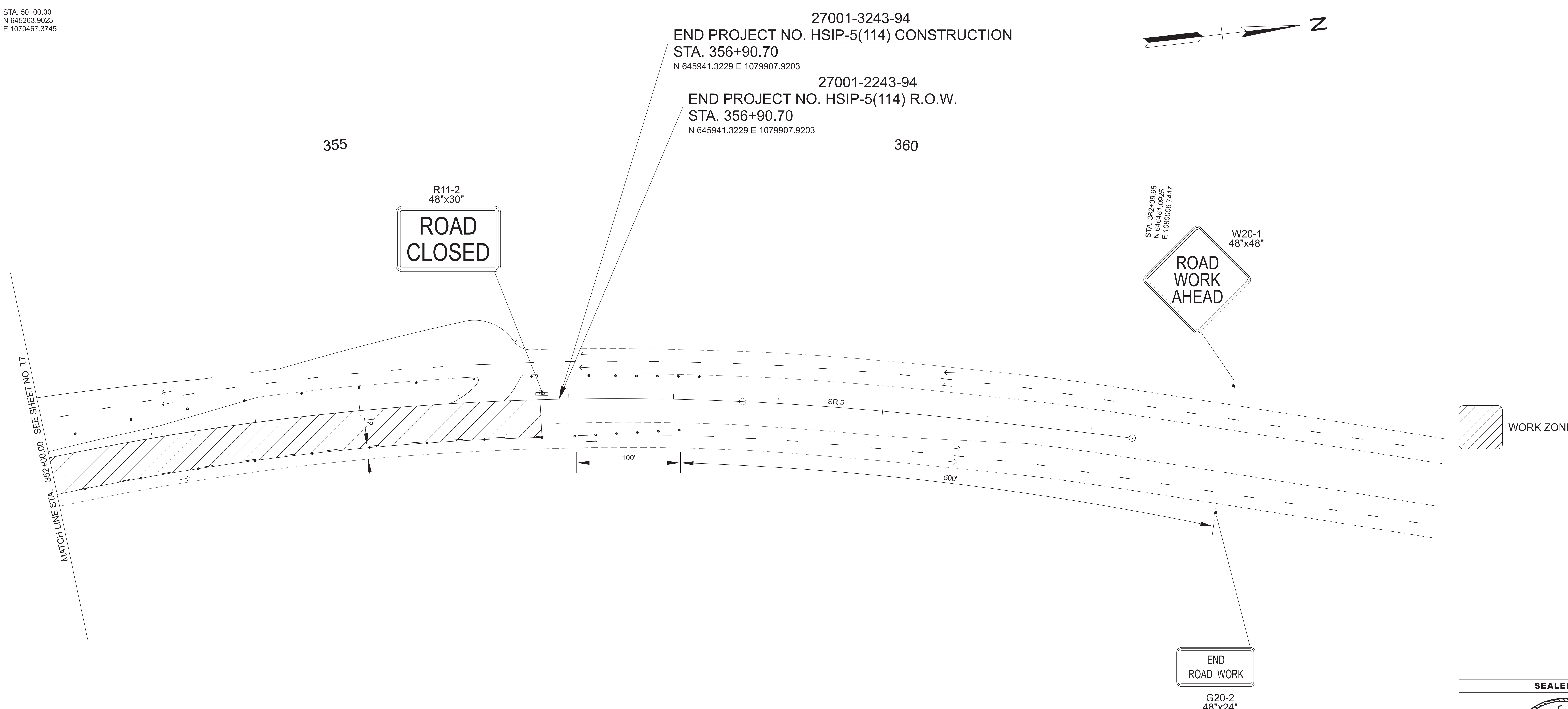
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
PHASE 2B

STA. 340+00 TO STA. 352+00
SCALE: 1" = 50'

1/20/2026 11:11:31 AM
C:\PWKH1D0268543\27S005-SHT-TCP2B.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	T-6A
PIH	2025	HSIP-5(114)	T6A
PS&E	2026	HSIP-5(114)	T6A



STA. 50+00.00
N 645263.9023
E 1079467.3745
27001-3243-94
END PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 356+90.70
N 645941.3229 E 1079907.9203
27001-2243-94
END PROJECT NO. HSIP-5(114) R.O.W.
STA. 356+90.70
N 645941.3229 E 1079907.9203
N
355
360
R11-2
48"x30"
ROAD CLOSED
STA. 362+39.95
N 646481.0925
E 1080006.7447
W20-1
48"x48"
ROAD WORK AHEAD
MATCH LINE STA. 352+00.00 SEE SHEET NO. T7
SR 5
100'
500'
WORK ZONE
END ROAD WORK
G20-2
48"x24"

SEALED BY

DRAKE E. DANLEY
STATE OF TENNESSEE
02/17/26

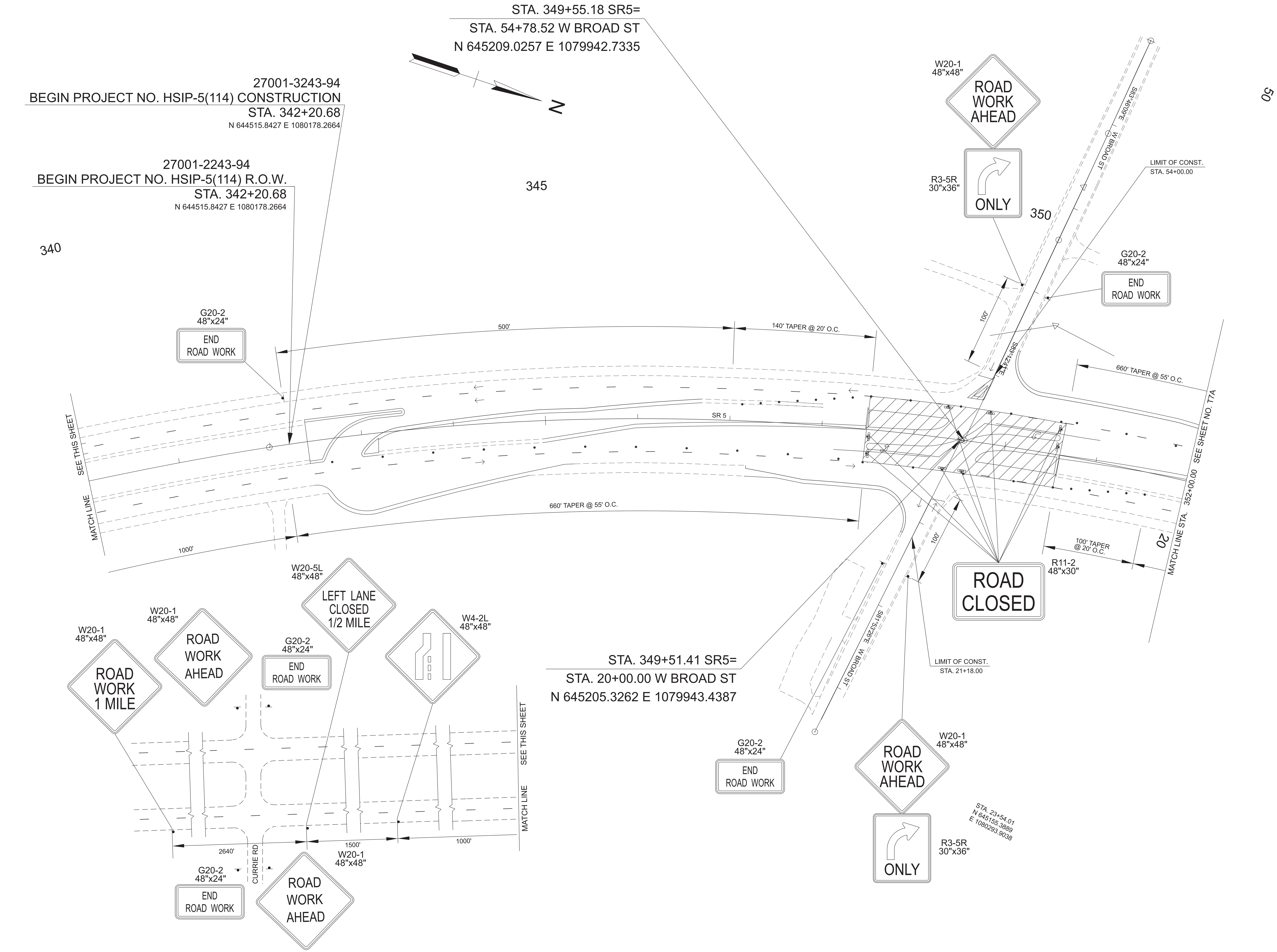
COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
PHASE 2B

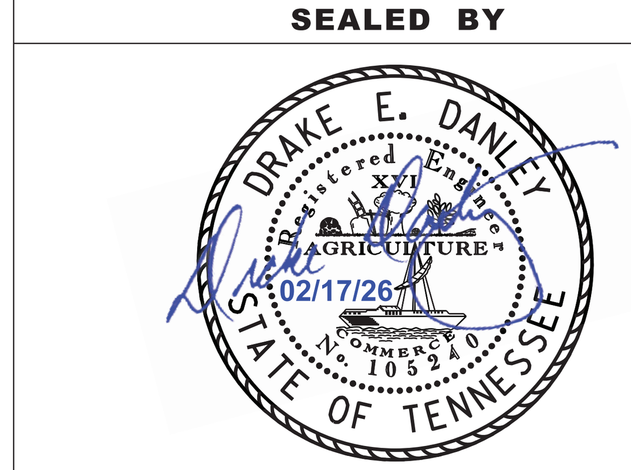
STA. 352+00 TO STA. 362+40
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	T-7
PIH	2025	HSIP-5(114)	T7
PS&E	2026	HSIP-5(114)	T7



STA. 349+55.18 SR5=
STA. 54+78.52 W BROAD ST
N 645209.0257 E 1079942.7335
27001-3243-94
BEGIN PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 342+20.68
N 644515.8427 E 1080178.2664
27001-2243-94
BEGIN PROJECT NO. HSIP-5(114) R.O.W.
STA. 342+20.68
N 644515.8427 E 1080178.2664
N
340
345
350
50
20
W20-1
48"x48"
ROAD WORK AHEAD
R3-5R
30"x36"
ONLY
LIMIT OF CONST.
STA. 54+00.00
G20-2
48"x24"
END ROAD WORK
500'
140' TAPER @ 20' O.C.
660' TAPER @ 55' O.C.
100'
SR 5
SEE THIS SHEET
MATCH LINE
SEE SHEET NO. T7A
MATCH LINE STA. 352+00.00
1000'
100' TAPER @ 20' O.C.
R11-2
48"x30"
ROAD CLOSED
W20-5L
48"x48"
LEFT LANE CLOSED 1/2 MILE
W4-2L
48"x48"
ROAD WORK 1 MILE
STA. 349+51.41 SR5=
STA. 20+00.00 W BROAD ST
N 645205.3262 E 1079943.4387
LIMIT OF CONST.
STA. 21+18.00
W BROAD ST
CURRIE RD
2640'
1500'
STA. 23+54.01
N 645155.3889
E 1080293.9038
WORK ZONE

SEALED BY



COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
PHASE 3

STA. 340+00 TO STA. 352+00
SCALE: 1" = 50'

1/20/2026 11:11:50 AM
C:\PWKH1D0268543\27S005-SHT-TCP3.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2025	HSIP-5(114)	T-7A
PIH	2025	HSIP-5(114)	T7A
PS&E	2026	HSIP-5(114)	T7A

STA. 50+00.00
N 645263.9023
E 1079467.3745

27001-3243-94
END PROJECT NO. HSIP-5(114) CONSTRUCTION
STA. 356+90.70
N 645941.3229 E 1079907.9203

27001-2243-94
END PROJECT NO. HSIP-5(114) R.O.W.
STA. 356+90.70
N 645941.3229 E 1079907.9203

355

360

N

STA. 362+39.95
N 646481.0925
E 1080086.7447

660' TAPER @ 55' O.C.

1000'

SR 5

SEE SHEET NO. T7

MATCH LINE STA. 352+00.00

SEE THIS SHEET

MATCH LINE

500'

G20-2
48"x24"
END
ROAD WORK

W20-1
48"x48"
ROAD
WORK
AHEAD

G20-2
48"x24"
END
ROAD WORK

W4-2R
48"x48"

W20-1
48"x48"
ROAD
WORK
AHEAD

G20-2
48"x24"
END
ROAD WORK

W20-5L
48"x48"
LEFT LANE
CLOSED
1/2 MILE

W20-1
48"x48"
ROAD
WORK
1 MILE

JAMES RD

100'

1000'

1500'

2640'

SEE THIS SHEET

MATCH LINE

OLD YORKVILLE HWY

ORR RD

100'

END
ROAD WORK

G20-2
48"x24"

ROAD
WORK
AHEAD

W20-1
48"x48"

WORK ZONE

SEALED BY

DRAKE E. DANIELY
Registered
PROFESSIONAL
ENGINEER
AGRICULTURE
02/17/26
NUMBER
105
STATE OF TENNESSEE

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00005 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN
PHASE 3

STA. 352+00 TO STA. 362+40
SCALE: 1" = 50'

1/20/2026 11:11:51 AM
C:\PW\KH1\D0268543\27S005-SHT-TCP3.DGN

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Besmir Zenelaku
Digitally signed by Besmir Zenelaku
Date: 2026.02.02 14:36:30 -06'00'

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

TENNESSEE DEPARTMENT OF TRANSPORTATION
MATERIALS & TESTS DIVISION-GEOTECHNICAL ENGINEERING SECTION
6601 CENTENNIAL BLVD.
NASHVILLE, TN 37243
BESMIR ZENELAKU, P.E. NO. 124664

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	GEOTECH-SIGN1
GEOTECHNICAL INDEX	G-1
GEOTECHNICAL NOTES AND ESTIMATED QUANTITIES	G-2
GEOTECHNICAL BORING LAYOUTS	G-3-G-4
GEOTECHNICAL TYPICAL SECTIONS	G-5

YEAR	PROJECT NO.	SHEET NO.
2026	HSIP-5(114)	GEOTECH-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-5(114)	G-1

GEOTECHNICAL INDEX

SEALED BY

BESMIR ZENELAKU
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE
No. 124284
02/02/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
INDEX

2/2/2026 2:03:47 PM
C:\PROGRAMDATA\BENTLEY\OPENROADS DESIGNER CE 10.10\CONFIGURATION\WORKSPACES\TDOT_STANDARDS\WORKSETS\CADD CELL\DGN\GEOTECHNICAL INDEX OF SHEETS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-5(114)	G-2

DEFINITION OF EARTHWORK TERMS

THE TERMS AND DEFINITIONS BELOW SHALL CHARACTERIZE THE MATERIAL TYPE THAT WILL BE ENCOUNTERED DURING EXCAVATION AND GRADING. SEE TYPE MATERIAL REFERENCE IN TYPICAL SECTIONS LEGEND.

A. SOIL MATERIAL

SOIL MATERIAL IS MATERIAL THAT IS PREDOMINANTLY MADE UP OF NATURALLY OCCURRING MINERAL PARTICLES WHICH ARE FAIRLY READILY SEPARATED INTO RELATIVELY SMALL PIECES, AND IN WHICH THE MASS MAY CONTAIN AIR, WATER OR ORGANIC MATERIALS. THIS MATERIAL MAY CONTAIN ROCK PIECES IN THE FORM OF DISCONNECTED SLABS, LENSES, OR BOULDERS OF LESS THAN APPROXIMATELY 0.5 CUBIC YARDS. THE MAIN SOIL GROUPS CONSIST OF CLAY, SILT, SAND, GRAVEL, COBBLES, BOULDERS (LESS THAN 0.5 CUBIC YARD VOLUME) OR A COMBINATION OF ANY OF THE CONSTITUENTS. FOR CONSTRUCTION PURPOSES, THIS MATERIAL WOULD TYPICALLY BE CONSIDERED TO BE EXCAVATABLE BY CONVENTIONAL EXCAVATION MACHINERY SUCH AS PANS, TRACK HOES, OR FRONT-END EXCAVATORS/LOADERS.

B. SOLID ROCK MATERIAL

SOLID ROCK MATERIAL IS THAT NATURALLY OCCURRING MATERIAL COMPOSED OF MINERAL PARTICLES SO FIRMLY BONDED TOGETHER THAT RELATIVELY GREAT EFFORT IS REQUIRED TO SEPARATE THE PARTICLES (I.E. BLASTING OR HEAVY CRUSHING FORCES). FOR CONSTRUCTION PURPOSES, THIS MATERIAL WOULD TYPICALLY HAVE TO BE BLASTED TO SEPARATE INTO PIECES SMALL ENOUGH TO LOAD AND TRANSPORT ON EARTH MOVING TRUCKS AND WHICH WHEN SUBJECTED TO PROPER PRE-SPLIT AND PRODUCTION BLASTING WOULD RESULT IN A UNIFORM STABLE ROCK CUT FACE. NOTE THAT THIS MATERIAL WOULD NOT BY DEFINITION NECESSARILY BE A PROVEN SOURCE OF ANY ROCK TYPE AGGREGATE SUCH AS SOLID ROCK, GRADED SOLID ROCK, RIP RAP, OR OTHER ROCK AGGREGATE CONSTRUCTION PRODUCTS.

C. SOFT ROCK OR DEGRADABLE ROCK

THIS MATERIAL IS THAT NATURALLY OCCURRING MATERIAL COMPOSED OF MINERAL PARTICLES THAT ARE SO FIRMLY BONDED SUCH THAT THEY ARE NOT FAIRLY READILY SEPARATED INTO SMALL PIECES YET HAS SUCH RELATIVELY LOW BONDING STRENGTH THAT WOULD ALLOW FOR SEPARATING INTO SMALL PIECES THROUGH MODERATE TO HEAVY CRUSHING FORCES. FOR CONSTRUCTION PURPOSES THIS MATERIAL WOULD HAVE TO BE SUBJECTED TO RIPPING TYPE EQUIPMENT, HOE RAMS, OR RUGGED USE OF A LARGE BULLDOZER IN ORDER TO SEPARATE THE MATERIAL SUCH THAT IT CAN BE READILY LOADED INTO EARTH MOVING TRUCKS. THESE MATERIALS WOULD TYPICALLY BE SHALES, CLAYSTONES, SILTSTONES, WEATHERED SANDSTONES, WEATHERED SCHIST AND WEATHERED GNEISS.

D. TRANSITIONAL MATERIALS

THIS MATERIAL IS THAT MATERIAL COMPRISED OF A COMBINATION OF SOIL AND ROCK (MATERIALS A, B, AND C) OCCURRING IN EITHER NON-UNIFORM INTERBEDDED LAYERS OF THE ABOVE MATERIALS (I.E. SHALE MATERIAL WITH RELATIVELY THIN LAYERS OF SOLID ROCK SUCH AS HARD LIMESTONE) OR ERRATIC LOCALIZED CHANGES OF MATERIAL TYPES BOTH LATERALLY AND WITH DEPTH (SUCH AS A GEOLOGIC FORMATION RESULTING IN PINNACLED ROCK COLUMNS, FLOATING BOULDERS OR LENSES INTERCALATED WITH CLAY SOIL, A COMMON OCCURRENCE IN CERTAIN REGIONS OF TENNESSEE). FOR CONSTRUCTION PURPOSES, THIS MATERIAL MAY HAVE TO BE EXCAVATED USING A COMBINATION OF EXCAVATION METHODS SUCH AS BLASTING OF ROCK PINNACLES, LAYERS OR BOULDERS ALONG WITH A RIPPING OF WEATHERED ROCK AND EXCAVATING OF SOIL WITH TRACK HOES OR LOADERS ALL WITHIN A LOCALIZED AREA. THIS MATERIAL WOULD NOT BE SUITABLE FOR THE USE OF EXCAVATING PAN TYPE EQUIPMENT.

ESTIMATED GEOTECH QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)	203-03.10	SELECT GRANULAR MATERIAL	TON	1,500
(2)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	2,500

FOOTNOTES

(1) THIS ITEM TO BE USED BETWEEN STATIONS 343+25 TO 347+50 AND 355+00 TO 356+00 OR OTHERWISE AS DIRECTED BY ENGINEER FOR THE STABILIZATION OF SUBGRADE.

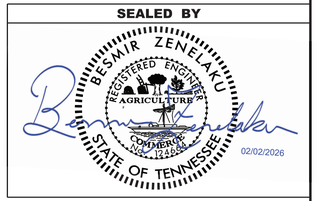
(2) THIS ITEM TO BE USED BETWEEN STATIONS 343+25 TO 347+50, 355+00 TO 356+00 OR OTHERWISE AS DIRECTED BY ENGINEER FOR THE STABILIZATION OF SUBGRADE.

NOTES

SELECT GRANULAR MATERIAL WILL BE REQUIRED:

* 343+25 TO 347+50
* 355+00 TO 356+00

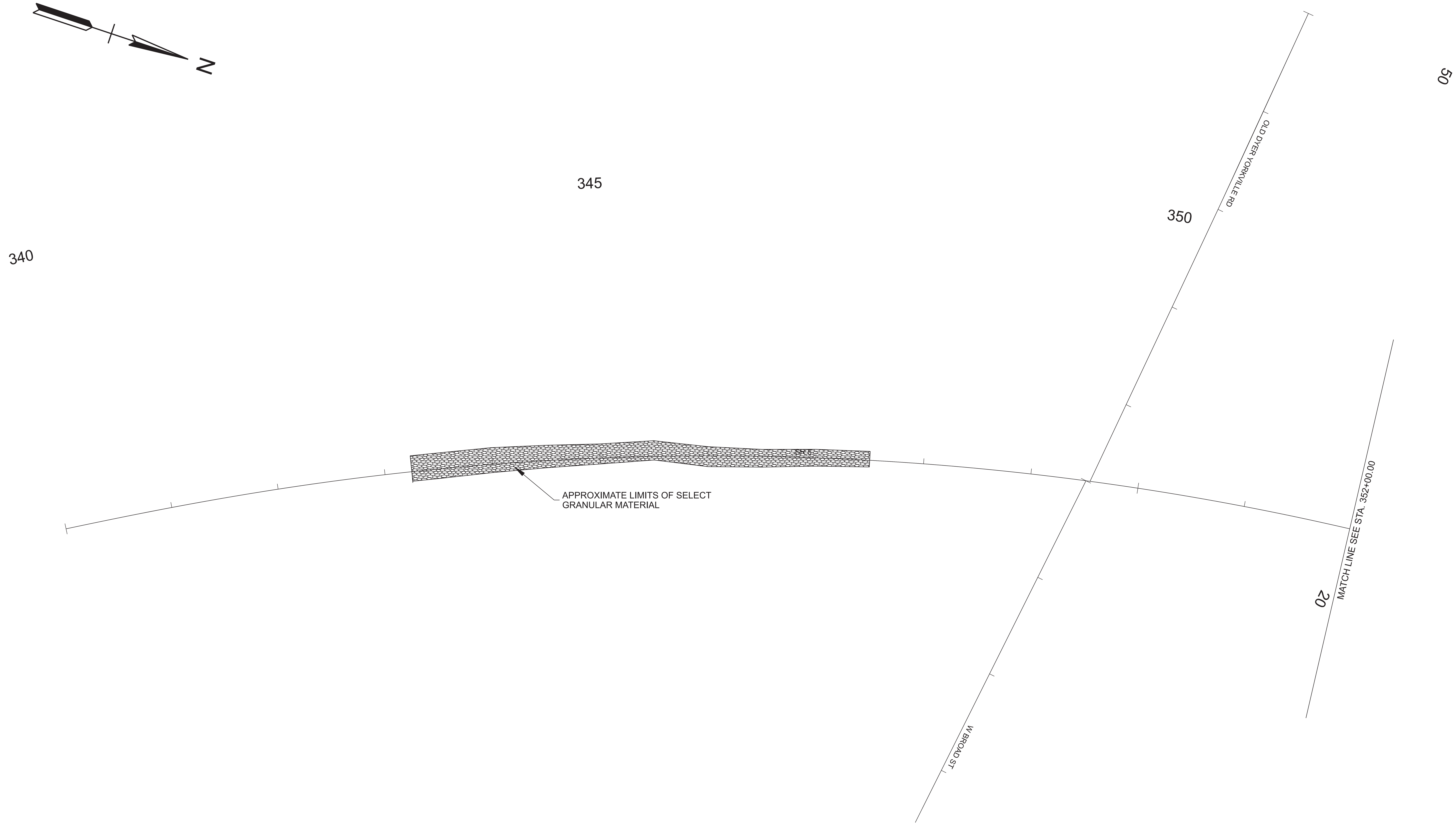
SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
NOTES &
EST. QTYS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-5(114)	G-3



SEALED BY

BESMIR ZENELAKU
STATE OF TENNESSEE
02/02/2026

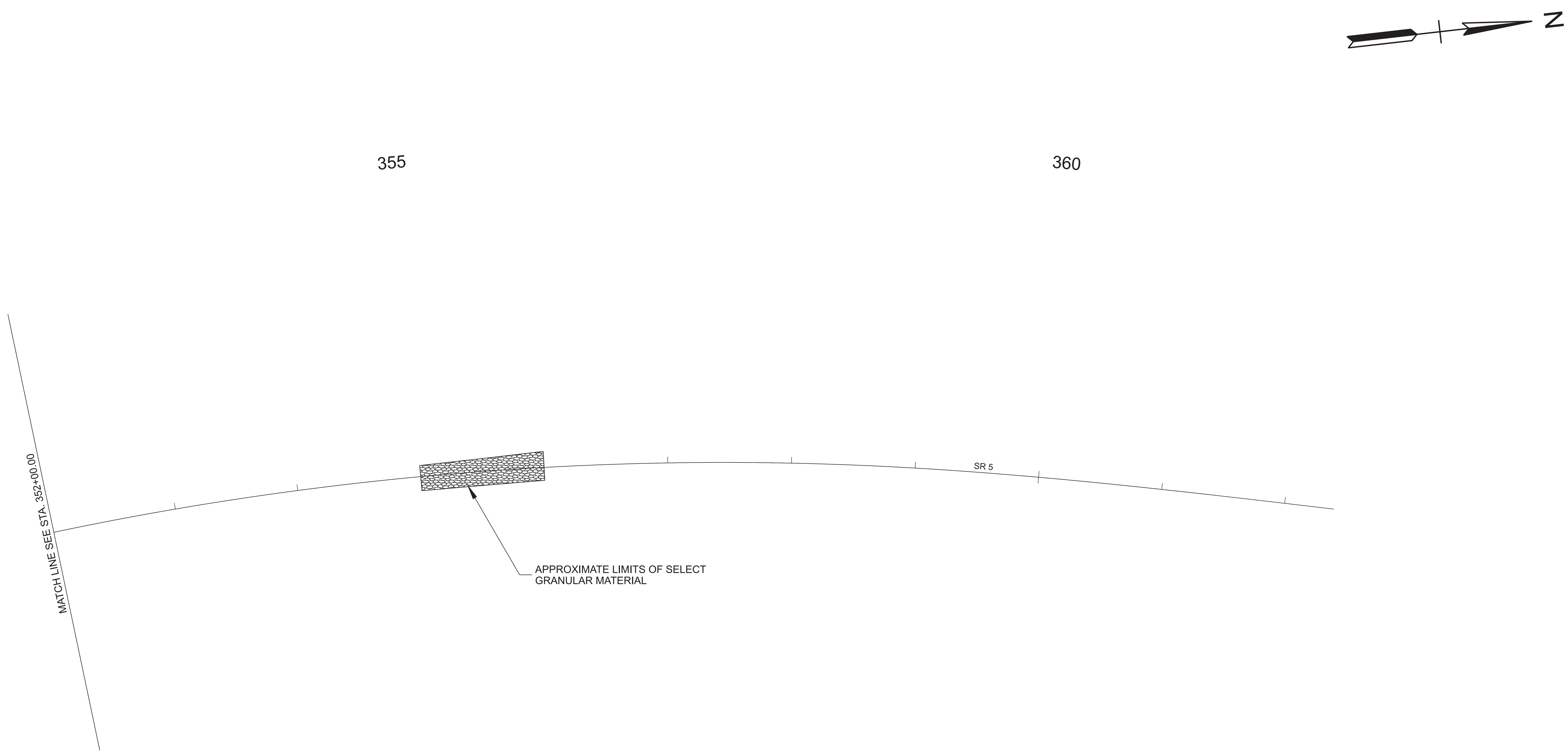
COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING
LAYOUT

2/2/2026 2:04:51 PM
C:\PROGRAMDATA\BENTLEY\OPENROADS DESIGNER 2023.00\CONFIGURATION\WORKSPACES\TDOT_STANDARDS\WORKSETS\128335-00-PSE-GEOTECH\DGN\128335-00-PSEFIELDREVIEW\CADD\OPENROADS\128335-00-GEOSHTS-03-04.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-5(114)	G-4



SEALED BY

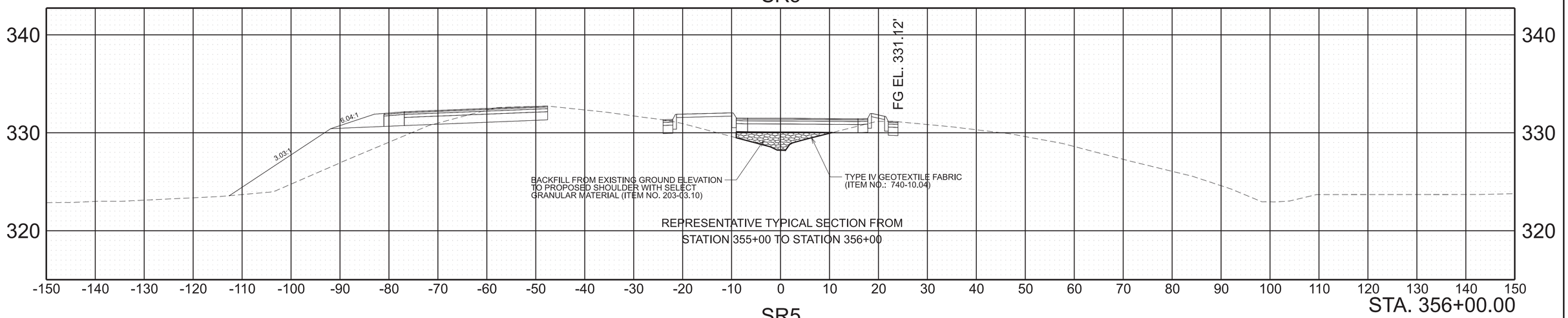
BESMIR ZENELAKU
STATE OF TENNESSEE
02/02/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00005 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

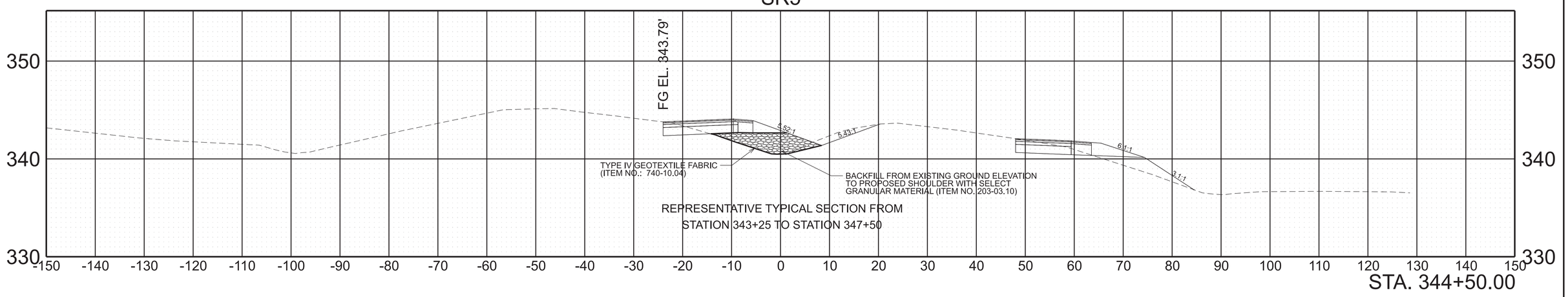
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING LAYOUT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-5(114)	G-5



REPRESENTATIVE TYPICAL SECTION FROM
STATION 355+00 TO STATION 356+00



REPRESENTATIVE TYPICAL SECTION FROM
STATION 343+25 TO STATION 347+50

SEALED BY

BESMIR ZENELAKU
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE
02/02/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

2/2/2026 2:04:57 PM
C:\PROGRAMDATA\BENTLEY\OPENROADS DESIGNER 2023.00\CONFIGURATION\WORKSPACES\TDOT_STANDARDS\WORKSETS\128335-00-PSE-GEOTECH\DGN\128335-00-PSE-GEOTECHDGN1128335-00-PSEFIELDREVIEWCADDIOPENROADS\128335-00-GEOSHT-05-06.DGN

TENNESSEE D.O.T. | DESIGN DIVISION | FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E-D	2018	HSIP-5(114)	
CONST.		HSIP-5(114)	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): 9.353 ACRES

2.3. TOTAL AREA TO BE DISTURBED (5.5.1.b): 2.761 ACRES

2.4. PROJECT DESCRIPTION (5.5.1.a):

TITLE: SR 5 (US-45W)
COUNTY: Gibson
PIN: 128335.00

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 SHEET(S) 4.5, DRAINAGE MAP SHEET(S) 8, 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: NA

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)
Fa	B/D	56.7	.49
GrB2	C	39.3	.49
LoC3	D	4	.55

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 EXISTING CONDITIONS				
AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	3.18	32.98	98	0.9
PERVIOUS	6.461	67.02	89	0.6
TOTAL	9.641	100	N/A	N/A
WEIGHTED CURVE NUMBER OR C-FACTOR =			92	0.7

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS				
AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	3.79	39.31	98	0.9
PERVIOUS	5.851	60.69	89	0.6
TOTAL	9.641	100	N/A	N/A
WEIGHTED CURVE NUMBER OR C-FACTOR =			93	0.7

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 UTILITIES, STORM SEWERS, CULVERTS AND BRIDGE STRUCTURES.

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)
N/A	N/A	N/A	N/A	N/A	N/A

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.

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TENNESSEE D.O.T. | DESIGN DIVISION | FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E-D	2018	HSIP-5(114)	
CONST.		HSIP-5(114)	S-2

BUFFER ZONE REQUIREMENTS ARE NOT REQUIRED FOR PRE-APPROVED SITES (4.1.2.2.)

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) N/A.

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: N/A

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)
N/A	N/A	N/A	N/A	N/A

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 ☐
PLEASE NOTE THAT A THREE STAGED EPSC PLAN IS REQUIRED FOR ALL TDOT PROJECTS FOR WHICH AN NPDES PERMIT IS REQUIRED.

5.10. STEEP SLOPES ARE DEFINED AS A NATURAL OR CREATED SLOPE OF 35% GRADE OR GREATER REGARDLESS OF HEIGHT. HAVE STEEP SLOPES 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 11 HAVE BEEN SELECTED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES (5.1., 5.5.3.1.b, 5.5.3.5.).

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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 N/A (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 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.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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): N/A

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 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).

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

☐ 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: N/A

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

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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.

14. <u>SITE WIDE/PRIMARY PERMITTEE CERTIFICATION</u> (<u>8.7.5.</u>)

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

August 20, 2025
DATE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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	NO	N/A	N/A
CORPS OF ENGINEERS (USACE)	NO	N/A	N/A
123TVA 26A	NO	N/A	N/A
TDEC CGP	NO	N/A	N/A
OTHER:	NO		

*THE TDOT ENVIRONMENTAL DIVISION MUST BE NOTIFIED SIX MONTHS PRIOR TO 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.
P.E-D	2018	HSIP-5(114)	
CONST.		HSIP-5(114)	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
OUT-1		345+35 RT	2.10/2.10/2.10	0.700	0.700	0.700	N/A	N/A	OTHER	No streams or resources on or near the site
OUT-2		347+35 CL	1.00/0.65/0.65	1.579	1.236	1.236	N/A	N/A	OTHER	No streams or resources on or near the site
OUT-3		356+55 CL	1.25/0.65/0.65	2.604	1.595	1.595	N/A	N/A	OTHER	No streams or resources on or near the site
OUT-4		342+20.68 CL	0/2.89/2.89		0.501	0.501	N/A	N/A	OTHER	No streams or resources on or near the site

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-5(114)	U1-1

Index Of Sheets	
SHEET NAME	SHEET NO.
UTILITIES INDEX, UTILITIES OWNERS, AND UTILITIES SHEETS;	U1-1

PIN: 128335.00

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

GIBSON COUNTY

SR-5 (US-45)
INTERSECTION AT BROAD ST, LM 22.851 IN DYER

STATE HIGHWAY NO. 05 F.A.H.S. NO. 45W

CONTRACT TYPE	UTILITY	UTILITY OWNERS & CONTACTS:	CONTRACT TYPE	UTILITY	UTILITY OWNERS & CONTACTS:
NO CONFLICT	TELEPHONE FIBER OPTIC	AT&T DANIEL POTTS 315 E. COLLEGE STREET JACKSON, TN. 38301 901-488-2359 dp7607@att.com	NO CONFLICT	ELECTRIC	GIBSON ELECTRIC MEMBERSHIP CORP. STACY N ICKS 1207 S. COLLEGE ST. TRENTON, TN 38382 731-562-1360/ 731-446-3236 snicks@gibsonemc.com
NO CONFLICT	CABLE	CHARTER KEITH CHESSER 24 CIRLCE DRIVE MCKENZIE, TN 38201 731-352-1146/ 731-621-9552 keith.chesser@charter.com	NO CONFLICT	SEWER WATER	CITY OF DYER DALE CARROLL 105 S. MAIN STREET DYER, TN. 38330 731-692-3767/ 731-695-7817 dcarroll@cityofdyertn.com
NO CONFLICT	GAS	GIBSON COUNTY UTILITY DISTRICT SAM LOCKE PO BOX 350 TRENTON, TN 38382 731-855-1441/ 731-414-2202 sam@gcud.net			

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY INDEX
AND
UTILITY OWNERS

SPECIAL NOTES

SOME UTILITIES CAN BE LOCATED BY CALLING THE TENNESSEE ONE SYSTEM, INC. AT 1-800-351-1111.