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JOSEPH LOUIS DELORENZO

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TENNESSEE DEPARTMENT OF TRANSPORTATION
7512 VOLKSWAGEN DRIVE
CHATTANOOGA, TN

JOSEPH L. DELORENZO, PE NO. 125410

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 SHEET	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD TRAFFIC DESIGN DRAWINGS	1A1
ESTIMATED ROADWAY QUANTITIES	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B, 2B1 - 2B6
GENERAL NOTES	2C, 2C1
SPECIAL NOTES	2D
ENVIRONMENTAL NOTES	2E
TABULATED QUANTITIES	2F, 2F1
DETAIL SHEETS	2G, 2G1 - 2G4
RIGHT-OF-WAY NOTES, UTILITY NOTES AND UTILITY OWNERS	3
PROPERTY MAP(S) AND RIGHT-OF-WAY ACQUISITION TABLE(S)	3A
PRESENT LAYOUT(S)	4 – 5
RIGHT OF WAY DETAILS	4A – 5A
PROPOSED LAYOUT(S)	4B – 5B
PROPOSED PROFILE(S)	4C – 5C
SIDE ROAD AND BUSINESS ENTRANCE PROFILE(S)	6
DRAINAGE MAP(S)	7 – 8
CULVERT SECTION	9
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	10, 11, 12 – 14A
SIGNING AND PAVEMENT MARKING PLAN(S)	15 - 16
SIGN SCHEDULE SHEET	17
ROADWAY CROSS SECTIONS	18 - 37
SIDE ROAD CROSS SECTIONS	38 - 41
TRAFFIC CONTROL PLANS	T1 – T6C

YEAR	PROJECT NO.	SHEET NO.
2026	HSIP-60(37)	ROADWAY SIGN-1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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See Sheet No. 1A for Index

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

BRADLEY COUNTY

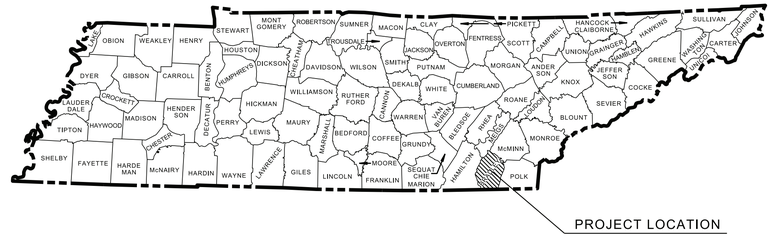
SR-60
FROM NEAR VISTA STREET TO NEAR GUTHRIE
STREET NORTHWEST IN CLEVELAND

PS&E
RSAR

STATE HIGHWAY NO. 60 F.A.H.S. NO. N/A

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

TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	HSIP-60(37)	
STATE PROJ. NO.	06009-3247-94	



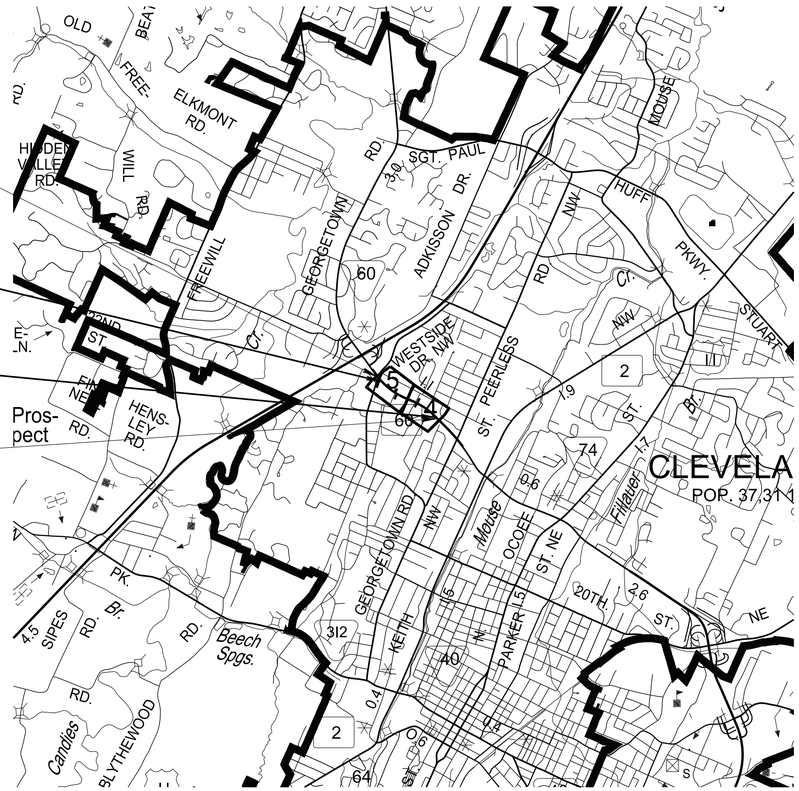
NO EXCLUSIONS

06009-3247-94
END PROJECT NO. HSIP-60(37) CONSTRUCTION
STA. 46+60.00
N 314387.2536 E 2301757.3236

06009-2247-94
END PROJECT NO. HSIP-60(37) R.O.W.
STA. 45+52.38
N 314306.7577 E 2301828.7403

06009-2247-94
BEGIN PROJECT NO. HSIP-60(37) R.O.W.
STA. 22+78.89
N 313056.8672 E 2303703.8110

06009-3247-94
BEGIN PROJECT NO. HSIP-60(37) CONSTRUCTION
STA. 22+40.00
N 313029.4414 E 2303731.3837



SCALE: 1"= 0.5 MI.

PROJECT OF LIMITED SCOPE

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.

R.O.W. LENGTH	0.430 MILES
ROADWAY LENGTH	0.458 MILES
BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES ▲
PROJECT LENGTH	0.458 MILES

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

SURVEY 10-18-21	TRAFFIC DATA	
UPDATE 12-04-22	ADT (2026)	34960
UPDATE 04-04-23	ADT (2046)	41950
UPDATE 05-01-24	DHV (2046)	4161
UPDATE 01-29-25	D	55 - 45
UPDATE 03-20-25	T (ADT)	7 %
UPDATE 08-28-25	T (DHV)	5 %
UPDATE 12-15-25	V	45 MPH

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

SEALED BY
JOSEPH L. DELORENZO
REGISTERED ENGINEER
Joseph L. DeLorenzo
COMMISSION NO. 0012547
STATE OF TENNESSEE
07-17-26

APPROVED:
SHANE HESTER, CHIEF ENGINEER

DATE:

APPROVED:
WILL REID, COMMISSIONER

TDOT PROJECT MANAGER : JEREMY BRYSON

DESIGNER : ETHAN SATURDAY, P.E. CHECKED BY : JOSEPH DELORENZO, P.E.

P.E. NO. 06009-1247-94 (DESIGN)

PIN NO. 129430.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	HSIP-60(37)	1A
PS&E	2026	HSIP-60(37)	1A

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD TRAFFIC DESIGN DRAWINGS	1A1
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SIDE ROAD CROSS SECTIONS	38-41
TRAFFIC CONTROL PLANS	T1 – T6C
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PLANS	S-1
UTILITIES PLANS	U1–1

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

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

RD-TP-1	09-26-16	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	01-30-26	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

STANDARD ROADWAY DRAWINGS

10-101.00 STANDARDS ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
RD18-TS-2	01-30-26	URBAN LOCAL ROADS AND STREETS
RD18-TS-6	01-30-26	URBAN MAJOR ARTERIAL FLUSH MEDIAN (4-5-6 LANE)
RD18-TS-6A	01-30-26	URBAN MAJOR ARTERIAL RAISED MEDIAN (4-5-6 LANE)
RD18-TS-6B	01-30-26	URBAN MAJOR ARTERIAL DEPRESSED MEDIAN (4-6 LANE)
RD11-TS-1	06-28-19	DESIGN STANDARDS FOR LOW-VOLUME ROADS
RD11-TS-3A	06-28-19	DESIGN STANDARDS FOR ARTERIAL HIGHWAYS WITH DEPRESSED MEDIAN (4 AND 6 LANE)
RD11-TS-3B		DESIGN STANDARDS FOR ARTERIAL HIGHWAYS WITH FLUSH MEDIAN (4 AND 6 LANE)
RD11-TS-6C		TYPICAL CURB AND GUTTER SECTIONS WITHOUT SHOULDERS AND WITHOUT GRASS STRIPS
RD11-LR-1		MINIMUM RUNOFF LENGTHS (LR) FOR URBAN HIGHWAY
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION

10-102.00 AQUATIC ORGANISM PASSAGE (AOP) DESIGN, PIPE CULVERTS, AND ENDWALLS

D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-4	01-09-24	PIPE COLLAR DETAILS
D-PE-4	06-28-19	STRAIGHT CONCRETE ENDWALLS (PIPE SIZES 18" TO 30")
D-PEW-1		PROTECTED ENDWALLS FOR ROUND & OVAL PIPES (PIPE SIZES 18” TO 72”, ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-2		PROTECTED ENDWALLS FOR ROUND PIPES DETAILS & QUANTITIES (PIPE SIZES 18” TO 72”, ALL SKEWS, 2:1 & 3:1 SLOPES)

10-104.00 CATCH BASINS AND MANHOLES

D-CB-12S	02-20-20	STANDARD RECTANGULAR CONCRETE NO. 12 CATCH BASIN
D-CB-42SB	02-20-20	STANDARD 4’ X 4’ SQUARE CONCRETE NO. 42 CATCH BASIN
D-MH-2	02-20-20	STANDARD PRECAST NO. 3 MANHOLE
D-MH-3	02-20-20	TYPICAL DESIGN OF LIDS FOR NO. 3 MANHOLE
D-MH-4	02-20-20	STANDARD NO. 3 MANHOLE CASTINGS AND STEPS
D-RF-1	07-30-24	STANDARD PRECAST RISER

10-106.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES

RP-D-15	04-01-25	DETAILS OF STANDARD CONCRETE DRIVEWAYS
RP-DHO-2	07-30-24	MEDIAN OPENING DETAILS FOR RESTRICTED CROSSING & J-TURN INTERSECTIONS
RP-SC-1	05-04-22	SLOPING CONCRETE CURB AND CURB AND GUTTER
RP-VC-11	03-04-21	VERTICAL CONCRETE CURB AND CURB AND GUTTER (FOR 6” & 7” GUTTER DEPTH)
S-F-1	03-01-23	HIGH VISIBILITY FENCE

10-108.00 SAFETY DESIGN AND GUARDRAILS

S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
S-PL-1	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED

10-109.00 EROSION PREVENTION AND SEDIMENT CONTROL

DWG.	REV.	DESCRIPTION
EC-STR-3C	03-01-23	SILT FENCE WITH WIRE BACKING
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-8	06-10-14	FILTER SOCK
EC-STR-37	06-10-14	SEDIMENT TUBE
EC-STR-4	07-30-24	ENHANCED SILT FENCE CHECK (TRAPEZOIDAL DITCH)
EC-STR-4B	08-01-12	ENHANCED SILT FENCE CHECK DETAILS
EC-STR-6	11-30-20	ROCK CHECK DAM
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-30		INSTREAM DIVERSION (WITHOUT TRAFFIC)
EC-STR-39A	08-01-12	CURB INLET PROTECTION TYPE 3 & 4
EC-STR-40		CATCH BASIN FILTER ASSEMBLY FOR CIRCULAR STRUCTURES
EC-STR-41		CATCH BASIN FILTER ASSEMBLY (TYPE 1)
EC-STR-41A		CATCH BASIN FILTER ASSEMBLY (TYPE 1) SLIPCOVER DETAILS
EC-STR-46		CATCH BASIN FILTER ASSEMBLY (TYPE 6)
EC-STR-46A		CATCH BASIN FILTER ASSEMBLY (TYPE 6) SLIPCOVER DETAILS

SEALED BY

JOSEPH L. DELORENZO — REGISTERED ENGINEER — AGENT — COMMERCE — NO. 0012540 — STATE OF TENNESSEE

07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	HSIP-60(37)	1A1
PS&E	2026	HSIP-60(37)	1A1

STANDARD TRAFFIC DESIGN DRAWINGS

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-11	07-30-25	DELINEATOR AND MILEPOST DETAILS
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” POST SIGN PLACEMENT DETAILS
T-S-16A	07-02-15	GROUND MOUNTED ROADSIDE 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-23B	07-30-25	MULTI-DIRECTIONAL SLIP BASE BREAKAWAY STRUCTURAL PIPE 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-18	01-24-25	FLEXIBLE DELINEATOR DETAILS
T-M-18A	01-24-25	DELINEATOR MOUNTING DETAILS
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-16	03-26-25	LANE SHIFT FOR DIVIDED HIGHWAYS AND FREEWAYS
T-WZ-18	03-26-25	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-WZ-21	03-26-25	LANE CLOSURE WITH LEFT HAND MERGE AND LANE SHIFT
T-WZ-35	03-26-25	TRAFFIC CONTROL PLAN PAY ITEM AND SIGN DETAILS FOR TRAFFIC SIGNAL AT TWO LANE BRIDGE RECONSTRUCTION SITE
T-WZ-36	03-26-25	LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY
T-WZ-40	03-26-25	RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-41	03-26-25	LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-42	03-26-25	CENTER LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-61	03-26-25	ROLLING ROADBLOCK DETAIL FOR DIVIDED HIGHWAYS
T-WZ-63	03-26-25	WORK ZONE IN THE VICINITY OF AN ENTRANCE RAMP
T-WZ-64	03-26-25	WORK ZONE IN THE VICINITY OF AN EXIT
T-WZ-65	03-26-25	LANE CLOSURE WITH LATE MERGE
T-WZ-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD
T-WZ-PBR1	03-26-25	INTERCONNECTED PORTABLE BARRIER RAIL
T-WZ-PBR2	03-26-25	DETAILS FOR WORK ZONE CHANNELIZATION DEVICES

SEALED BY

JOSEPH L. DELOZIER 120 REGISTERED ENGINEER STATE OF TENNESSEE

07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD TRAFFIC DESIGN DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2
PIH	2026	HSIP-60(37)	2
PS&E	2026	HSIP-60(37)	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 06009-3247-94
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
(1)	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
	202-03.01	REMOVAL OF ASPHALT PAVEMENT	S.Y.	720
(2)(3)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	3441
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	80
	203-06	WATER	M.G.	68
	203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	498
(4)	208-01.05	BROOMING & DEGRASSING SHOULDERS	L.M.	0.458
(5)	209-05	SEDIMENT REMOVAL	C.Y.	33
(5)(6)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	1085
(5)(6)	209-08.07	ROCK CHECK DAM PER	EACH	6
(5)(6)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	4
(5)(6)	209-08.09	FILTER SOCK CHECK DAM	EACH	1
(5)(6)	209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	9
(5)(6)	209-40.32	CATCH BASIN PROTECTION (TYPE C)	EACH	1
(5)(6)	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	34
(5)(6)	209-65.04	TEMPORARY IN STREAM DIVERSION	L.F.	321
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	2390
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	1584
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	479
(7)	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	11.1
	407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	6950
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	335
	411-02.10	ACS MIX(PG70-22) GRADING D	TON	1473
	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	1476
(8)	607-02.02	15" CONCRETE PIPE CULVERT (CLASS III)	L.F.	478
(8)	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	336
(8)	607-13.03	72" CONCRETE PIPE CULVERT (CLASS III)	L.F.	282
	611-01.02	MANHOLES, > 4' - 8' DEPTH	EACH	1
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	39
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	2368
	611-09.04	CATCHBASIN RETROFIT	EACH	6
	611-12.01	CATCH BASINS, TYPE 12, 0' - 4' DEPTH	EACH	3
	611-12.02	CATCH BASINS, TYPE 12, 4' - 8' DEPTH	EACH	3
	611-42.01	CATCH BASINS, TYPE 42, 0' - 4' DEPTH	EACH	8
	611-42.02	CATCH BASINS, TYPE 42, 4' - 8' DEPTH	EACH	3
(9)	701-01.01	CONCRETE SIDEWALK (4 ")	S.F.	7940
	702-01	CONCRETE CURB	C.Y.	7.4
	702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	233
	703-01	PORTLAND CEMENT CONCRETE DITCH PAVING	C.Y.	22
(5)(6)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	120
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	10
(5)(6)(10)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	101
	712-01	TRAFFIC CONTROL	LS	1
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	287
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	287
	712-06	SIGNS (CONSTRUCTION)	S.F.	737
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	400
	712-08.03	ARROW BOARD (TYPE C)	EACH	2
	712-09.02	REMOVABLE PAVEMENT MARKING (8" BARRIER LINE)	L.F.	3700
(19)	712-09.08	REMOVABLE PAVEMENT MARKING (6" LINE)	L.F.	1340
	713-02.15	FLEXIBLE DELINEATOR (YELLOW)	EACH	17
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	1375
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	68
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	225
(11)	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	3
	716-01.05	TEMPORARY RAISED PAVEMENT MARKER	EACH	132
	716-01.22	SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR)	EACH	168
	716-01.23	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR)(2 COLOR)	EACH	60

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 06009-3247-94
	716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	113
(12)	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	5
(12)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	207
(12)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	27
(12)	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	435
(13)	716-02.15	PLASTIC PAVEMENT MARKING (U TURN ARROW)	EACH	7
(14)	716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	9293
(14)	716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	48
(14)	716-05.06	PAINTED PAVEMENT MARKING (TURN LANE ARROW)	EACH	4
(14)	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	2
	716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	17169
	716-08.02	REMOVAL OF PAVEMENT MARKING (8" BARRIER LINE)	L.F.	3223
(15)	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	2.2
(15)	716-12.03	ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE)	L.F.	4178
(15)	716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	15
	717-01	MOBILIZATION	LS	1
(5)(6)(10)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	172
(5)(6)(7)	740-11.02	TEMPORARY SEDIMENT TUBE 12IN	L.F.	190
	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	79
(16)	801-01.38	NATVE SEED MX FINAL STABLIZATN OF SLOPES	UNIT	2
	801-01.65	TEMPORARY MJLCH	UNIT	79
(17)	801-03	WATER (SEEDING & SODDING)	M.G.	67
(18)	803-01	SODDING (NEW SOD)	S.Y.	4424

FOOTNOTES

(1) INCLUDES REMOVAL OF MEDIAN CURBS FROM STA. 30+00 TO 33+10 AND STA. 43+30 TO 45+95. ALSO INCLUDES REMOVAL OF 200 FT. OF 15" ST FROM STA.40+27.55 TO STA.42+46.85, 31 FT OF 30" ST FROM 24+06 TO 24+09.70, AND 32 FT. OF 12" ST FROM 24+08.17 TO 24+17.4.

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

(3) 281 CY FROM SPECIAL DITCHES AND 58 C.Y. FOR TEMP. CONSTRUCTION EXITS

(4) INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK. SEE SHEET NO. 2D, RESURFACING NOTE (2) FOR MORE INFORMATION.

(5) ALL EPSC QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.

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

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

(8) THE BEDDING MATERIAL SHALL BE INCLUDED IN THE COST OF THE PROPOSED PIPE CULVERT.

(9) TO BE USED FOR CONCRETE ISLANDS.

(10) 101 TONS OF MACHINED RIP RAP (CLASS III) AND 172 SQ. YDS. OF GEOTEXTILE (TYPE III)(EROSION CONTROL) TO BE USED FOR TEMPORARY CONSTRUCTION EXITS.

(11) INCLUDES REMOVAL OF RIGHT ONLY SIGN AT STA. 35+35 AND 4 STOP SIGNS (1 PER SIDE ROAD).

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

(13) THE THREE U-TURN MARKINGS LEADING TO GEORGETOWN ROAD ARE TO INCLUDE THE LEFT TURN/U-TURN COMBINATION ARROW.

(14) TO BE USED AS TEMPORARY MEASURES DURING CONSTRUCTION

(15) CONTRACTOR SHALL USE THE EXTRUDED OR RIBBON METHOD FOR APPLICATION.

(16) PERMANENT STABILIZATION WITH NATIVE OR NATURALIZED PERENNIAL VEGETATION IS REQUIRED IN ALL AREAS AUTHORIZED FOR TEMPORARY AND PERMANENT IMPACTS TO STREAMS AND RIPARIAN AREAS, INCLUDING ADJACENT BUFFER ZONES WITHIN 60 FEET OF THE EDGE OF WATER. THE APPROPRIATE SEED MIXTURE FOR THE REGION AND SITE CONDITIONS SHALL BE SELECTED FROM TABLE 7.9-1 (PREFERRED SEED MIXES USING NATIVES OR NATURALIZED PLANTS AND PLANTING DATES) FOUND IN CHAPTER 7.9 (PERMANENT VEGETATION) OF THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK 4TH EDITION.

(17) INCLUDES 8 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.

(18) 402 SQ. YDS. TO BE USED FOR SODDED V-DITCH

(19) QUANTITY TO INCLUDE 350 L.F. FOR DOTTED LINE DURING PHASE IIA TRAFFIC CONTROL PLANS

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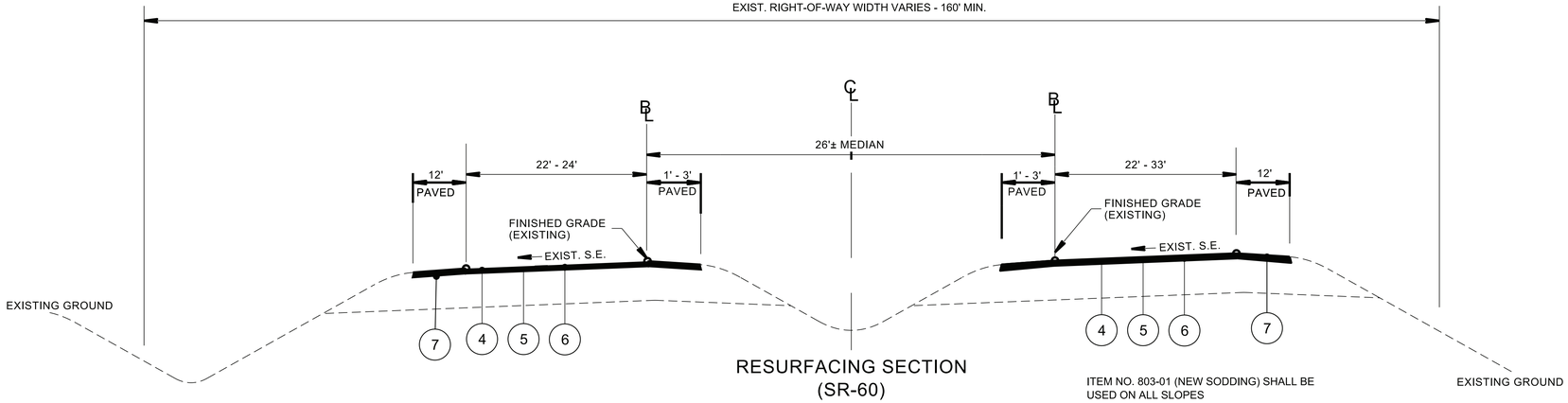
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2B
PIH	2026	HSIP-60(37)	2B
PS&E	2026	HSIP-60(37)	2B



RESURFACING SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 22+40.00 TO STA. 23+08.85
FROM STA. 29+33.67 TO STA. 30+29.02

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

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

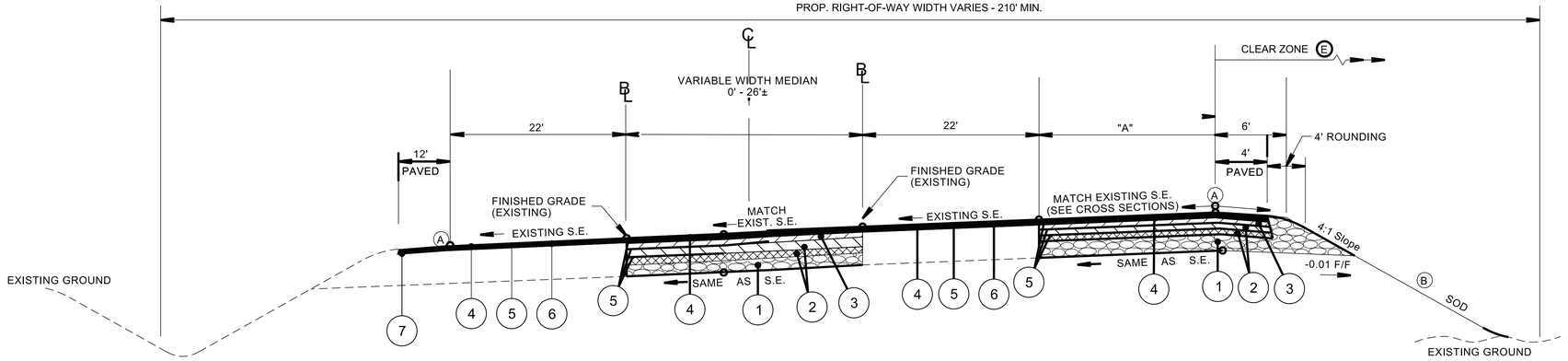
Ⓑ SEE STANDARD DRAWINGS RD11-S-11 AND RD11-S-11B FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES AND TOE OF FILL SLOPES, SPECIAL ROCK TREATMENT AND SUB GRADE ROUNDING IF APPLICABLE.

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

Ⓓ NOT USED

Ⓔ SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE", AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONES.

*ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES



SUPERELEVATED SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3B)
FROM STA. 23+09.28 TO STA. 23+44.64

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TABLE OF DIMENSIONS

DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"A"	0	23+08.85	0	23+10.84	
"A"	0	23+10.84	34.2	23+44.64	TRANSITION

PROPOSED PAVEMENT SCHEDULE

① **MINERAL AGGREGATE 10" THICK** 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"	⑤ **TACK COAT** SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
② **BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22 GRADING "A" @ 6.50" THICK (APPROX. 747.5 LB./S.Y.) (APPLIED IN TWO LIFTS OF 3.00" AND 3.50")** 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A"	⑥ **COLD PLANING, 1.25" DEPTH @131.25 LBS/SY** 415-01.01 COLD PLANING BITUMINOUS PAVEMENT, TON
③ **BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22 GRADING "B-M2" @ 2.00" THICK (APPROX. 226 LB./S.Y.)** 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "B-M2"	⑦ **ASPHALTIC CONCRETE SURFACE (HOT MIX) PG64-22 GRADING "E" SHOULDERS @ 1.25" THICK (APPROX. 132.5 LB./S.Y.)** 411-01.07 ACS MIX (PG64-22) GRADING "E" SHOULDER
④ **ASPHALTIC CONCRETE SURFACE (HOT MIX) PG70-22 GRADING "D" SURFACE @ 1.25" THICK (APPROX. 132.5 LB./S.Y.)** 411-02.10 ACS MIX (PG70-22) GRADING "D"	

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REGISTERED ENGINEER
No 0012540
STATE OF TENNESSEE

07-17-26

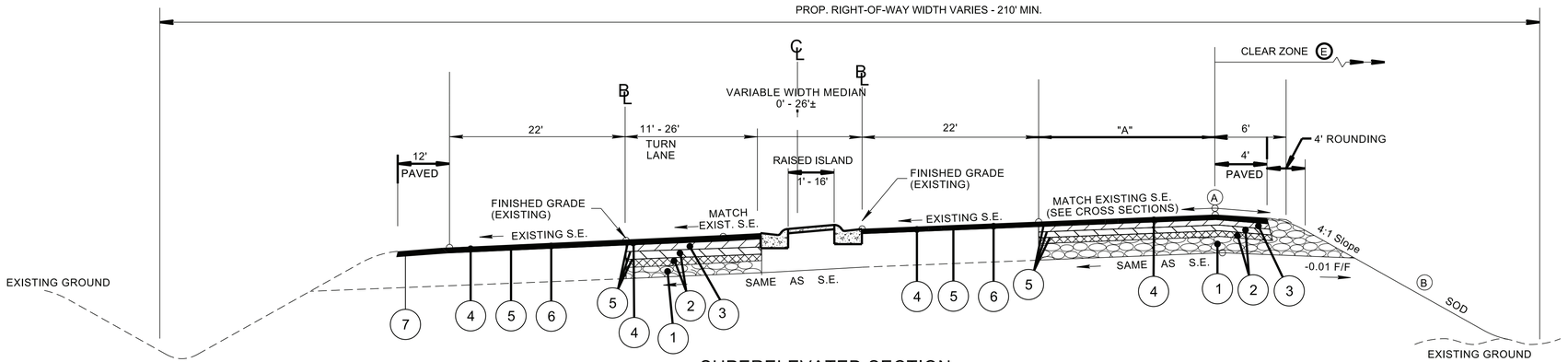
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

SHEET 1 OF 8

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2B1
PIH	2026	HSIP-60(37)	2B1
PS&E	2026	HSIP-60(37)	2B1



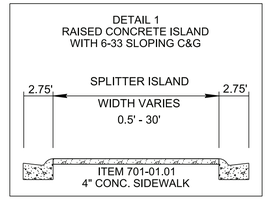
SUPERELEVATED SECTION
(SR-60)

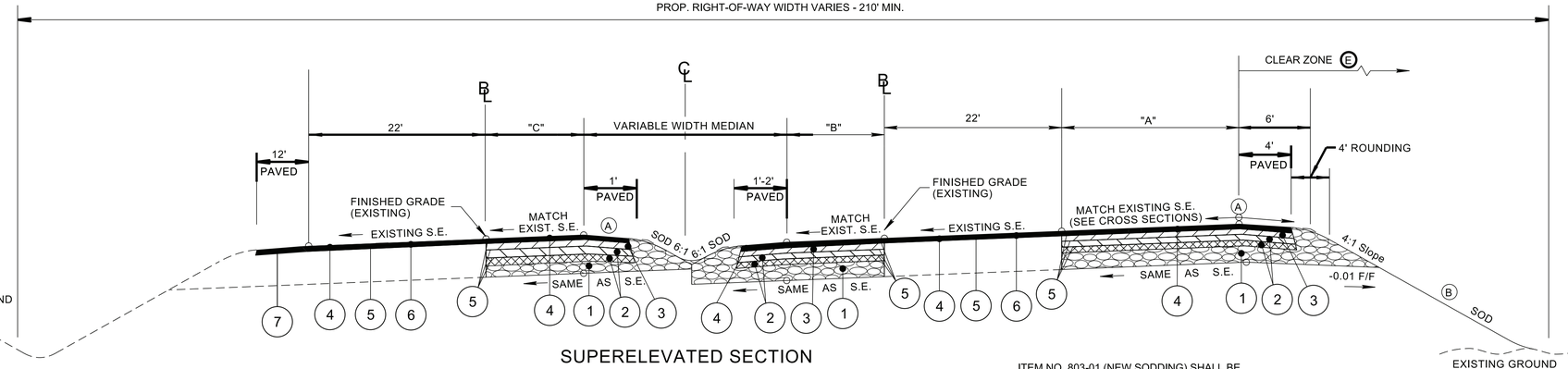
(BASED ON STD. DWG. RD11-TS-3B)
FROM STA. 23+44.64 TO STA. 23+90.40

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

*ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"A"	34.2	23+46.64	36	23+53.72	TRANSITION



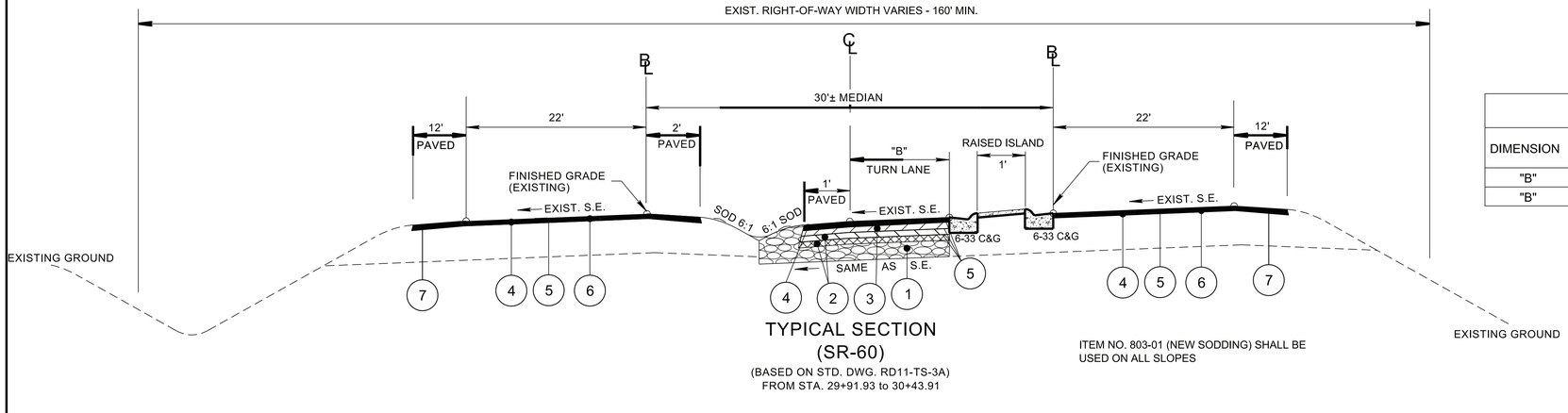


SUPERELEVATED SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 23+90.40 TO STA. 29+91.93

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"A"	36	23+90.40	36	25+25.08	TRANSITION
"A"	36	25+25.08	0	26+25.08	
"B"	0	23+88.40	0	24+58.39	TRANSITION
"B"	0	24+58.39	11	25+58.39	TRANSITION
"B"	11	25+58.39	11	29+34.32	
"B"	11	29+34.32	14.6	29+93.93	TRANSITION
"C"	11	23+88.40	11	28+20.06	
"C"	11	28+20.06	0	29+20.06	TRANSITION



TYPICAL SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 29+91.93 to 30+43.91

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"B"	11.04	29+91.93	14	30+29.02	TRANSITION
"B"	14	30+29.02	14	30+43.91	

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JOSEPH L. DELORENZO
REGISTERED ENGINEER
No. 0012540
STATE OF TENNESSEE

07-17-26

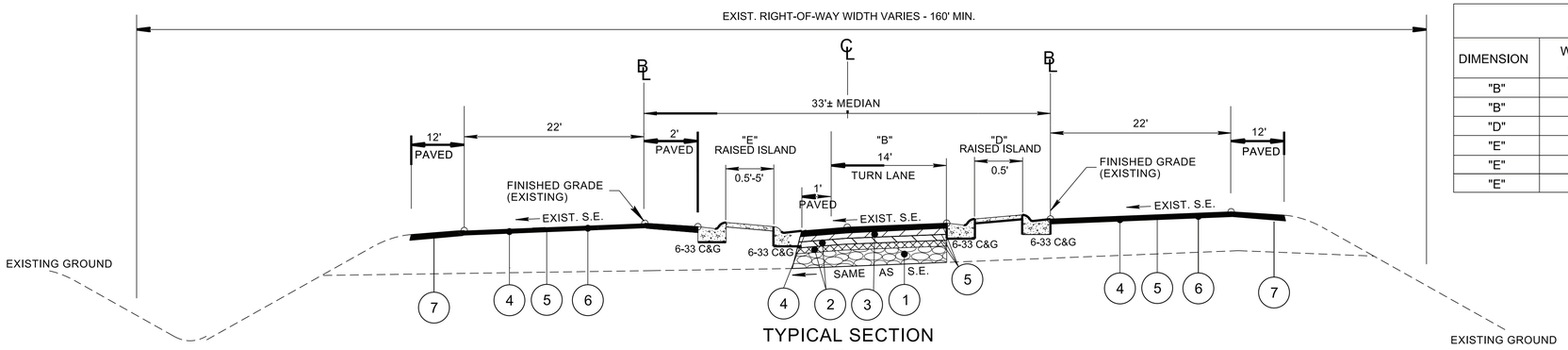
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DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SHEET 2 OF 8

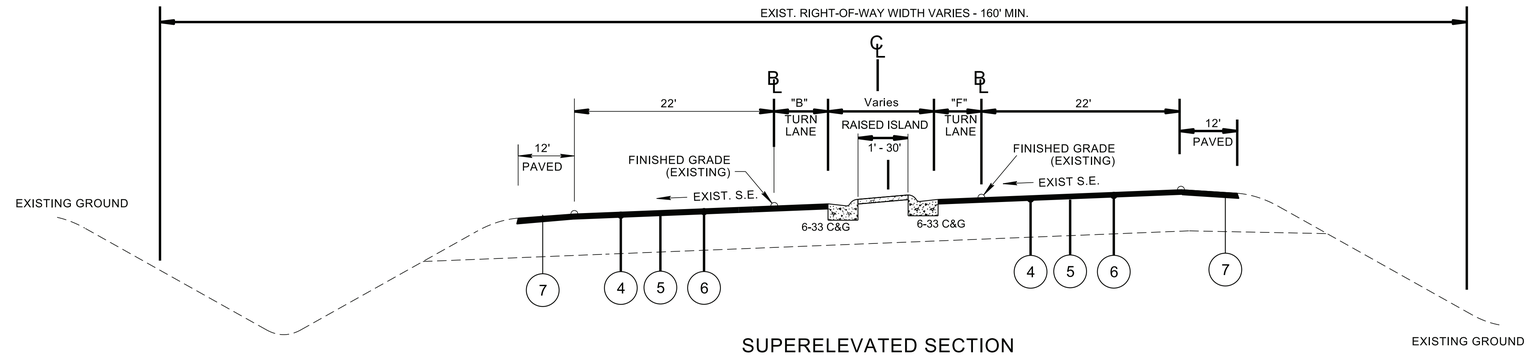
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2B2
PIH	2026	HSIP-60(37)	2B2
PS&E	2026	HSIP-60(37)	2B2



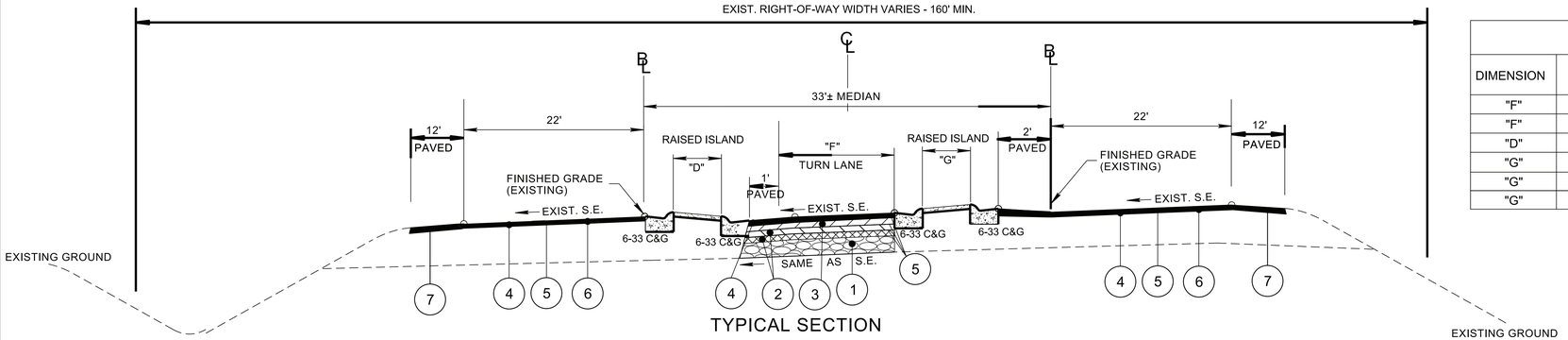
TYPICAL SECTION
(SR-60)
(BASED ON STD. DWG. RD11-TS-3B)
FROM STA. 30+43.91 TO STA. 31+13.63

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"B"	14	30+45.91	14	31+06.48	
"B"	14	31+06.48	16.92	31+26.22	TRANSITION
"D"	0.5	30+45.91	2.75	31+26.22	TRANSITION
"E"	0	30+45.91	4.8	30+48.94	TRANSITION
"E"	4.8	30+48.94	4.8	31+06.31	
"E"	4.8	31+06.31	0	31+26.22	TRANSITION



SUPERELEVATED SECTION
(SR-60)
(BASED ON STD. DWG. RD11-TS-3B)
FROM STA. 31+13.63 TO STA. 31+86.56

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"B"	16.92	31+13.63	0	31+62.80	TRANSITION
"F"	0	31+41.59	16.03	31+86.56	TRANSITION



TYPICAL SECTION
(SR-60)
(BASED ON STD. DWG. RD11-TS-3B)
FROM STA. 31+86.56 TO STA. 32+58.86

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"F"	16.03	31+86.56	14	31+96.29	TRANSITION
"F"	14	31+96.29	14	32+58.86	
"D"	2.56	31+86.56	0.5	32+58.86	TRANSITION
"G"	0	31+86.56	4.9	31+96.29	TRANSITION
"G"	4.9	31+96.29	4.9	32+53.87	
"G"	4.9	32+53.87	0	32+58.86	TRANSITION

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JOSEPH L. DELOREZO
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LICENSED TO PRACTICE
ENGINEERING
NO. 0019540
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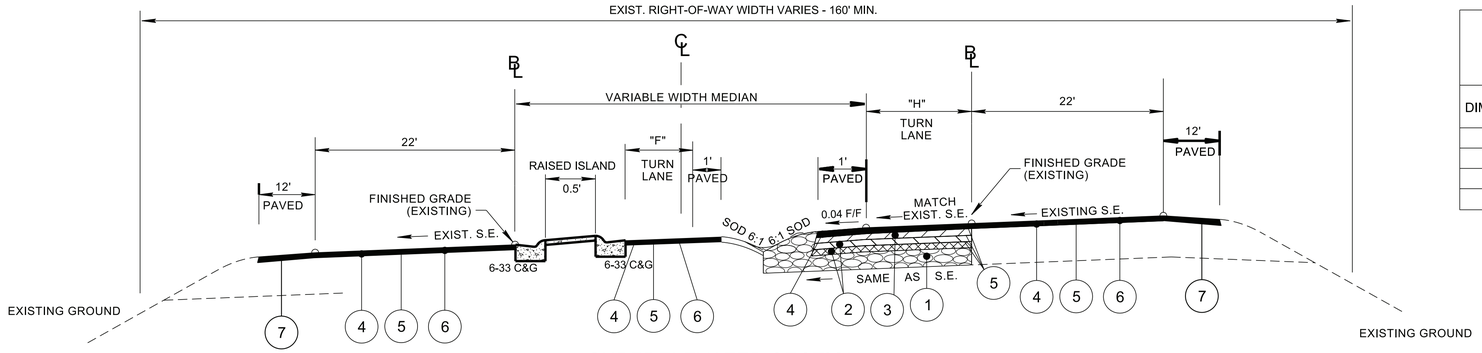
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TYPICAL SECTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2B3
PIH	2026	HSIP-60(37)	2B3
PS&E	2026	HSIP-60(37)	2B3



SUPERELEVATED SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 32+58.86 TO STA. 33+13.74

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"F"	14	32+58.86	14	32+83.94	
"F"	14	32+83.94	11.05	33+13.74	TRANSITION
"H"	0	32+56.86	0	32+68.41	
"H"	0	32+68.41	6.04	33+13.74	TRANSITION

*ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TYPICAL SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 33+13.74 TO STA. 37+08.18

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"F"	17.05	33+13.74	11	33+72.00	TRANSITION
"F"	11	33+72.00	11	35+63.45	
"F"	11	35+63.45	0	36+63.45	TRANSITION
"H"	6.04	33+13.74	11	33+60.43	TRANSITION
"H"	11	36+60.43	11	36+49.54	
"H"	11	36+49.54	17.09	37+08.17	TRANSITION

TYPICAL SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 37+08.18 TO STA. 37+87.84

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"H"	11	37+08.18	14	37+36.53	TRANSITION
"H"	14	37+36.53	14	37+87.84	

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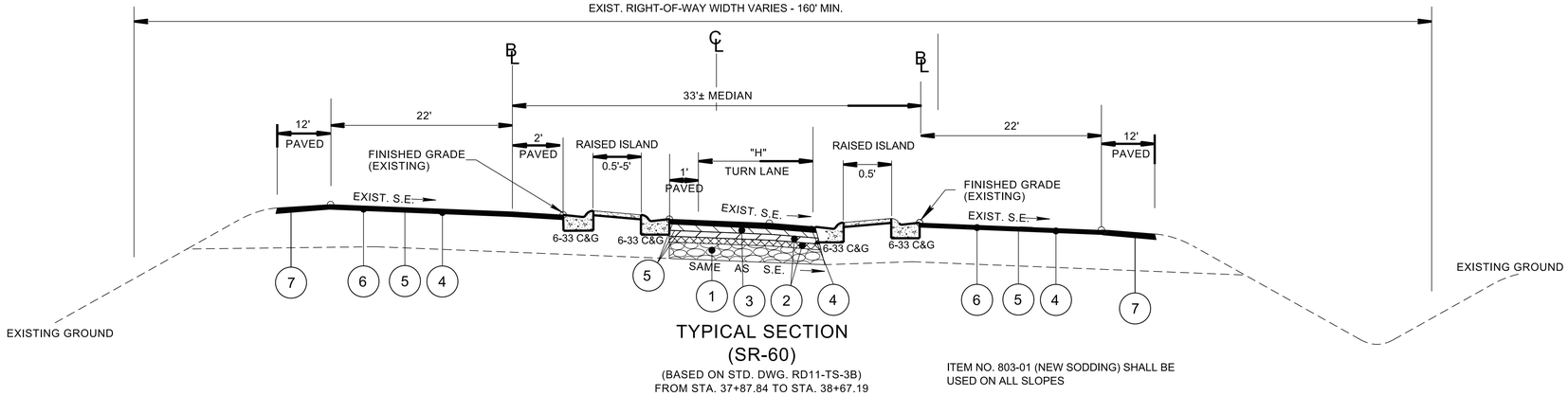
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TYPICAL SECTIONS

SHEET 3 OF 7

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2B4
PIH	2026	HSIP-60(37)	2B4
PS&E	2026	HSIP-60(37)	2B4

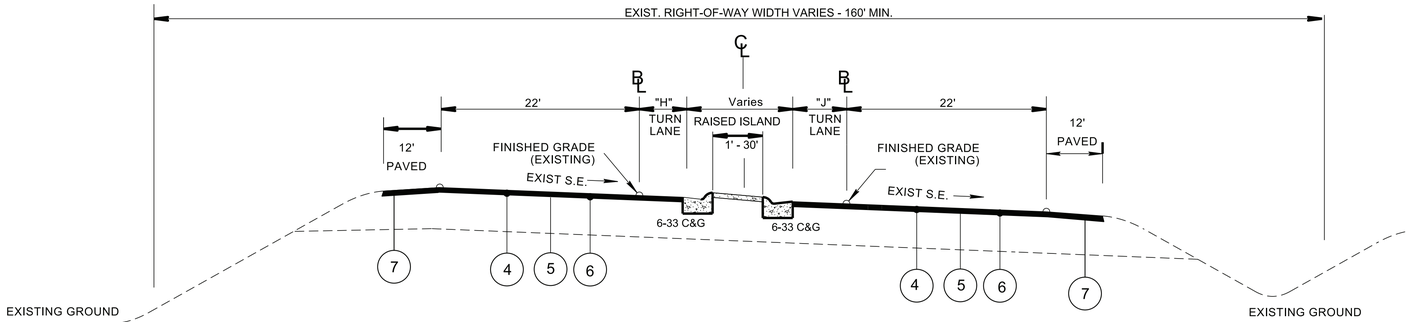


TYPICAL SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3B)
FROM STA. 37+87.84 TO STA. 38+67.19

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"H"	14	37+87.84	16	38+67.19	TRANSITION

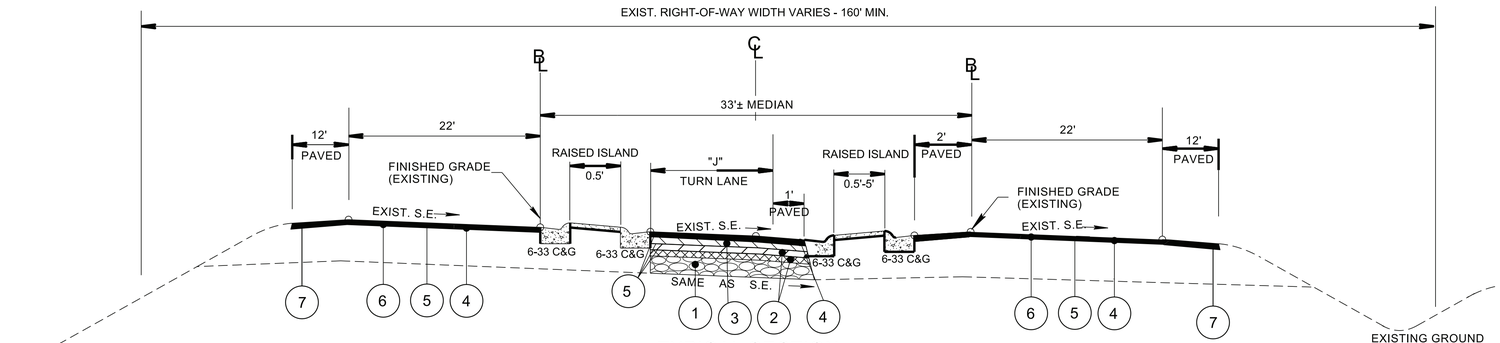


SUPERELEVATED SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3B)
FROM STA. 38+67.19 TO STA. 40+01.02

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"H"	27.41	38+67.19	0	39+03.88	TRANSITION
"J"	0	39+68.22	27.80	40+01.02	TRANSITION



TYPICAL SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3B)
FROM STA. 40+01.02 to STA. 40+85.29

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"J"	15	40+01.02	15	40+85.29	

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JOSEPH L. DELOREVO
REGISTERED ENGINEER
COMMERCE
NO 00125410
STATE OF TENNESSEE

07-17-26

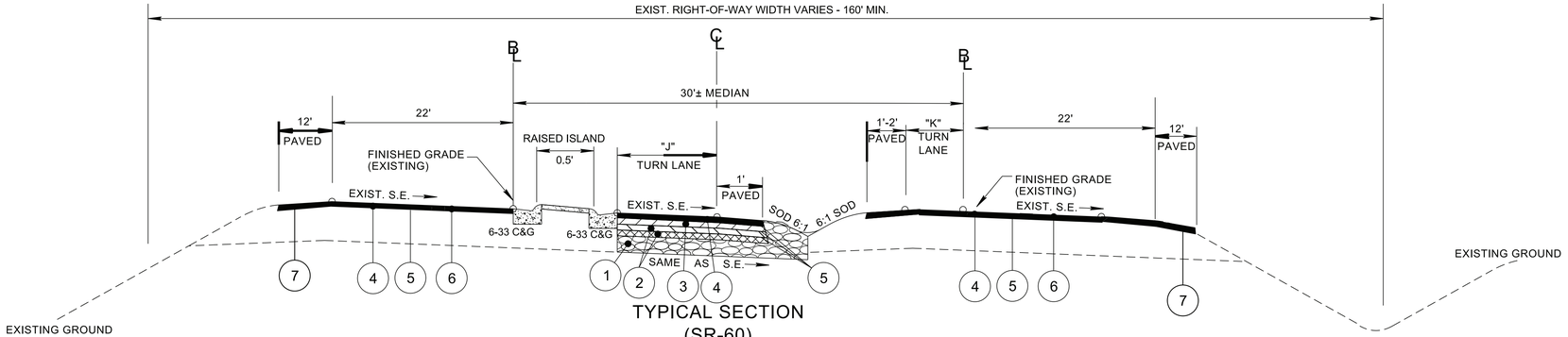
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TYPICAL SECTIONS

SHEET 5 OF 7

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2B5
PIH	2026	HSIP-60(37)	2B5
PS&E	2026	HSIP-60(37)	2B5



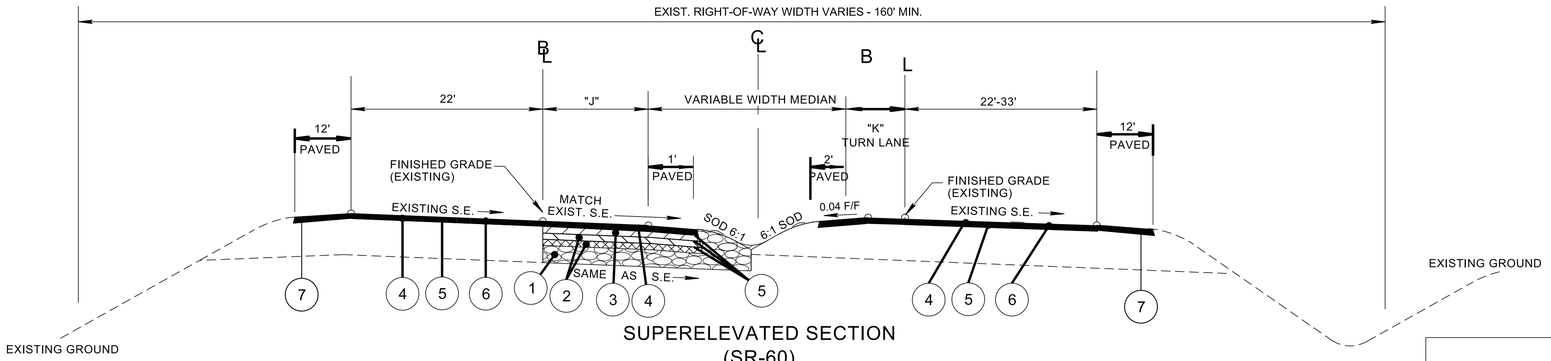
TYPICAL SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 40+85.29 TO STA. 41+53.93

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

*ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"J"	15	40+85.29	15	41+18.05	
"J"	15	41+18.05	12.05	41+53.93	TRANSITION
"K"	0	41+38.43	4.2	41.53.93	TRANSITION



SUPERELEVATED SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 41+50.96 TO STA. 43+32.76

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"J"	16.85	41+43.93	12	42+11.24	TRANSITION
"J"	12	42+11.24	12	43+32.76	
"K"	4.2	41+53.93	12	42+10.30	TRANSITION
"K"	12	42+10.30	12	43+32.76	

SEALED BY

JOSEPH L. DELORENZO
REGISTERED ENGINEER
LICENSED TO PRACTICE
IN TENNESSEE
NUMBER
NO. 0012543
STATE OF TENNESSEE

07-17-26

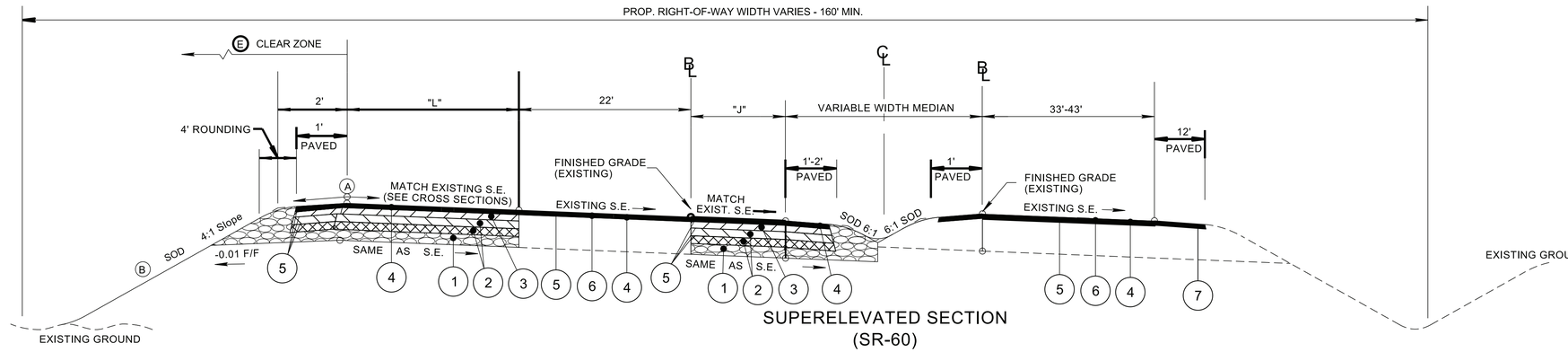
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SHEET 6 OF 7

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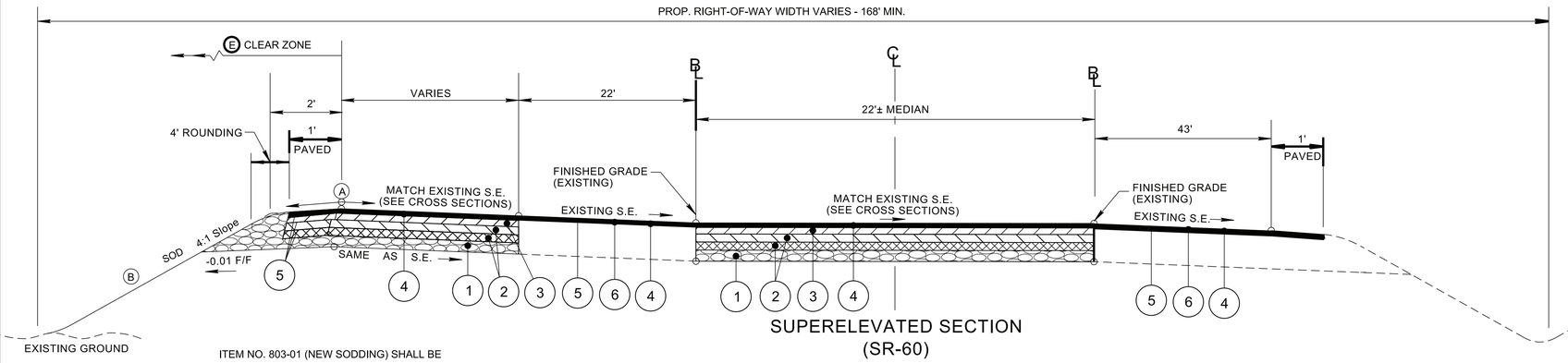
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2B6
PIH	2026	HSIP-60(37)	2B6
PS&E	2026	HSIP-60(37)	2B6



SUPERELEVATED SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3A)
FROM STA. 43+32.76 TO STA. 45+80.59

TABLE OF DIMENSIONS					
DIMENSION	WIDTH (FT)	STATION	WIDTH (FT)	STATION	REMARKS
"L"	14.55	43+32.76	39.46	44+00.71	TRANSITION
"L"	39.46	44+00.71	40.28	44+48.10	TRANSITION
"L"	40.28	44+00.71	36.12	45+40.11	TRANSITION
"L"	36.12	45+40.11	21	45+80.59	TRANSITION
"J"	12	43+32.76	12	43+84.67	TRANSITION
"J"	12	43+84.67	0	44+76.86	TRANSITION



SUPERELEVATED SECTION
(SR-60)

(BASED ON STD. DWG. RD11-TS-3B)
FROM STA. 45+80.59 TO STA. 46+58.53

ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES

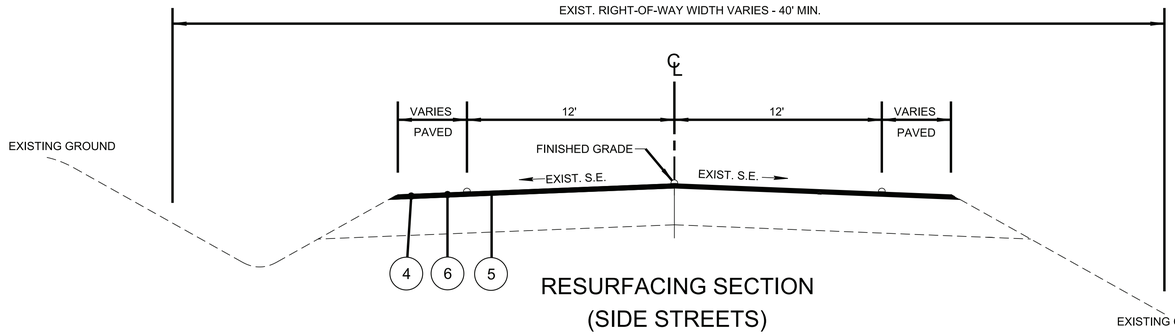
(A) THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.

(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) NOT USED

(E) SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE", AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONES.

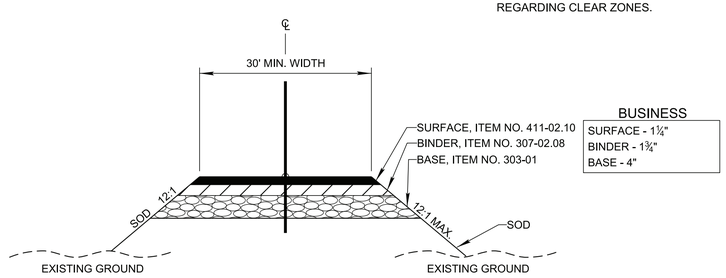


RESURFACING SECTION
(SIDE STREETS)

(BASED ON STD. DWG. RD11-TS-1)

VISTA ST. FROM STA. 90+37.20 TO STA. 91+37.20
LITTLE ST. FROM STA. 95+18.03 TO STA. 96+18.03
GUTHRIE ST. FROM STA. 80+66.20 TO STA. 81+66.20
GUTHRIE ST. FROM STA. 85+38.20 TO STA. 86+38.20

*ITEM NO. 803-01 (NEW SODDING) SHALL BE USED ON ALL SLOPES



TYPICAL SECTION
PRIVATE DRIVE TO BUSINESS

PROPOSED PAVEMENT SCHEDULE

(1) **MINERAL AGGREGATE 10" THICK** 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"	(5) **TACK COAT** SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
(2) **BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22 GRADING "A" @ 6.50" THICK (APPROX. 747.5 LB./S.Y.) (APPLIED IN TWO LIFTS OF 3.00" AND 3.50")** 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A"	(6) **COLD PLANING, 1.25" DEPTH @131.25 LBS/SY** 415-01.01 COLD PLANING BITUMINOUS PAVEMENT, TON
(3) **BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22 GRADING "B-M2" @ 2.00" THICK (APPROX. 226 LB./S.Y.)** 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "B-M2"	(7) **ASPHALTIC CONCRETE SURFACE (HOT MIX) PG64-22 GRADING "E" SHOULDERS @ 1.25" THICK (APPROX. 132.5 LB./S.Y.)** 411-01.07 ACS MIX (PG64-22) GRADING "E" SHOULDER
(4) **ASPHALTIC CONCRETE SURFACE (HOT MIX) PG70-22 GRADING "D" SURFACE @ 1.25" THICK (APPROX. 132.5 LB./S.Y.)** 411-02.10 ACS MIX (PG70-22) GRADING "D"	

SEALED BY

JOSEPH L. DELOLEZO — REGISTERED ENGINEER — TENNESSEE — 0001254.0 — STATE OF TENNESSEE

07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

SHEET 7 OF 7

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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

(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, AND STORM SEWERS, 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.

MISCELLANEOUS

(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

TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

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

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

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

FINAL PAVEMENT MARKING

(6) THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK:

a. BROOMING & DE-GRASSING SHOULDERS SHALL INCLUDE CLIPPING OF MATERIAL INTERFERING WITH PROPER DRAINAGE OF ROADWAY (INCLUDING PAVED AND GRAVEL SHOULDERS), AS DIRECTED BY THE ENGINEER.

b. ALL MATERIAL FROM CLIPPING, BROOMING AND DE-GRASSING SHOULDERS SHALL BE PICKED UP, REMOVED AND PROPERLY DISPOSED AS DIRECTED BY THE ENGINEER.

c. ALL COSTS ASSOCIATED WITH PICKING UP, REMOVAL AND PROPER DISPOSAL SHALL BE PAID FOR UNDER ITEM NO. 208-01.05.

d. REMOVE ALL GARBAGE AND CONSTRUCTION DEBRIS FROM PROJECT. THE COST FOR THIS WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

(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.

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(16) THE PAVEMENT MARKING ON THE LANE SHIFT FOR CENTERLINE AND EDGELINES WILL BE INSTALLED AND MAINTAINED TO THE SAME STANDARDS AS FOR PERMANENT MARKINGS ON THE MAIN ROADWAY. THESE MARKINGS SHALL BE IN PLACE PRIOR TO ALLOWING TRAFFIC ONTO THE PAVEMENT. THESE PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO.716-05.20, L.M.

(17) BEFORE OPENING THE LANE SHIFT TO TRAFFIC, THE TRANSITIONAL MARKINGS ON THE EXISTING ROADWAY MUST BE IN PLACE. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 712-09.02 PER L.F. ALL EXISTING MARKINGS IN THE AREA OF THESE TRANSITIONAL MARKINGS SHALL BE OBLITERATED AND ALL EXISTING RAISED PAVEMENT MARKERS SHALL BE REMOVED TO ELIMINATE CONFLICTING MARKINGS. REMOVAL OF THE EXISTING CONFLICTING MARKINGS AND RAISED PAVEMENT MARKERS WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN ITEM NO. 712-01, TRAFFIC CONTROL, LUMP SUM.

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

SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

(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.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2C
PIH	2026	HSIP-60(37)	2C
PS&E	2026	HSIP-60(37)	2C

SEALED BY

JOSEPH L. DELOACH — REGISTERED ENGINEER — COMMERCE — NO 0012540 — STATE OF TENNESSEE

07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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GENERAL NOTES (CONT.)

SIGNING

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

(3) THE CONTRACTOR SHALL BE REQUIRED TO FURNISH LAYOUT DRAWINGS OF ALL EXTRUDED PANEL SIGNS WITH SPACING OF ALL LETTERS, NUMERALS, SHIELDS, AND ARROWS. ONE PDF SET OF THE LAYOUT DRAWINGS SHALL BE SENT TO THE TRAFFIC DESIGN DIVISION, SIGNING SECTION (TDOT.TrafficDesign.SignsandMarking@tn.gov) FOR REVIEW. ONE PDF SET OF THE LAYOUT DRAWINGS SHALL BE SENT TO THE REGIONAL SIGN DESIGNER FOR REVIEW.

(4) 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 ORDERING MATERIAL OR ERECTION. IF THE SUPPORT LENGTHS DIFFER BY MORE THAN 2 FEET FROM THOSE SHOWN ON THE PLANS, THE ENGINEER SHALL VERIFY THE SUPPORT TYPE WITH THE TRAFFIC DESIGN DIVISION, SIGNING SECTION, TELEPHONE NO. (615)-741-0802.

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

(6) AFTER THE SIGN LOCATIONS HAVE BEEN STAKED, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE APPROPRIATE REGIONAL OPERATIONS OR CONSTRUCTION OFFICE PRIOR TO ORDERING MATERIAL OR INSTALLING THE SUPPORTS. PAYMENT FOR LOCATION AND STAKING SHALL BE INCLUDED IN THE BID PRICE FOR OTHER ITEMS OF CONSTRUCTION. ANY RELOCATION REQUIRED DUE TO INCORRECT INSTALLATION SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

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

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

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

(10) 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.

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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2C1
PIH	2026	HSIP-60(37)	2C1
PS&E	2026	HSIP-60(37)	2C1

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07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2D
PIH	2026	HSIP-60(37)	2D
PS&E	2026	HSIP-60(37)	2D

SPECIAL NOTES

GRADING

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

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

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

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

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

(6) THE CONTRACTOR SHALL CONSTRUCT AND COMPACT ALL EMBANKMENTS AND BRIDGE APPROACHES WITHIN THE PROJECT LIMITS AS PER 205.04.C IN THE STANDARD SPECIFICATIONS FOR DEGRADABLE ROCK. STOCKPILING OF NON-DEGRADABLE MATERIAL MAY BE REQUIRED FOR USE IN CAPPING EMBANKMENT. NO SEPARATE PAYMENT WILL BE MADE FOR STOCKPILING OR ADDITIONAL HANDLING OF NON-DEGRADABLE MATERIAL.

PAVEMENT

RESURFACING

(2) THE CONTRACTOR WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK:

A. BROOMING & DEGRASSING SHALL INCLUDE NOTCHING THE GRAVEL SHOULDER PRIOR TO MILLING. THE NOTCH SHALL BE 1.5 IN DEEP AND 2 FT WIDE, OR AS DIRECTED BY THE TDOT PROJECT ENGINEER.

B. ALL MATERIAL FROM NOTCHING AND BROOMING SHOULDERS SHALL BE PICKED UP, REMOVED AND PROPERLY DISPOSED AS DIRECTED BY THE TDOT PROJECT ENGINEER.

C. ALL COSTS ASSOCIATED WITH NOTCHING, PICKING UP, REMOVAL AND PROPER DISPOSAL SHALL BE PAID FOR UNDER ITEM NO. 208-01.05.

SEALED BY

JOSEPH L. DELORENZO REGISTERED ENGINEER AGENT LICENSE NO 0001254.0 COMMERCIAL STATE OF TENNESSEE

07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2E
PIH	2026	HSIP-60(37)	2E
PS&E	2026	HSIP-60(37)	2E

ENVIRONMENTAL NOTES

ENVIRONMENTAL GENERAL NOTES

NATURAL RESOURCES

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

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

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

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

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

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

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

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

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

SPECIES

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

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

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

PERMITS, PLANS & RECORDS

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

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

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

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

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

SUPPORT ACTIVITIES

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

ENVIRONMENTAL

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

ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL

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

ECOLOGY

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

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

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

SCOPE OF WORK

(6) GRADING, DRAINAGE, CURB, PAVING, SIGNING, AND PAVEMENT MARKINGS TO CONSTRUCT A J-TURN INTERSECTION.

SEALED BY

JOSEPH L. DELORENZO — REGISTERED ENGINEER — COMMERCE — NO. 0012754 — STATE OF TENNESSEE

07-17-26

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DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2F
PIH	2026	HSIP-60(37)	2F
PS&E	2026	HSIP-60(37)	2F

SPECIAL DITCHES

ROADWAY	STATION FROM	STATION TO	SIDE	DETAIL NO. SHT 2G4	CONFIGURATION FORE (H/V)	CONFIGURATION BOTTOM WIDTH (FT.)	CONFIGURATION BACK (H/V)	PORTLAND CEM.(CONC.) 703-01 (C.Y.)	SODDING NEW SOD 803-01 (S.Y.)
SR60	22+92.00	24+18.00	RT	1	2:1	4	2:1	22.0	-
SR60	24+18.00	25+60.00	RT	2	3:1	V	3:1	-	60
SR60	24+00.00	30+45.00	RT/LT	2	6:1	V	6:1	-	143
SR60	32+60.00	37+88.00	RT/LT	2	6:1	V	6:1	-	117
SR60	41+00.00	44+70.00	RT/LT	2	4:1	V	4:1	-	82
TOTAL								22.0	402

RIGHT OF WAY MARKERS

SHEET NO.	Item #: 708-02.01 QUANTITIES "A"	"B"	"C"	TOTALS
4A	6	0	0	6
5A	3		1	4
TOTALS	9	0	1	10

STORM DRAIN ENDWALLS

LOCATION \ SHEET NO.	STATION	OFFSET (FT.)	SKEW	TYPE	STANDARD DRAWING NO.	CLASS "A" CONC. 611-07.01 (C.Y.)	STEEL BAR REINF. 611-07.02 (LB.)	ENDWALLS STRAIGHT ENDWALL 18" EACH	ENDWALLS STRAIGHT ENDWALL 30" EACH	ENDWALLS PROTECTED ENDWALL 72" EACH
4B	23+04.31	69.6	90°	PROT. END.	D-PEW-1	17.0	1115			1
4B	24+09.29	109.7	90°	STRAIGHT	D-PE-4	1.2	29	1		
4B	24+17.40	108.8	78°	STRAIGHT	D-PE-4	2.9	109		1	
4B	25+80.00	79.7	90°	PROT. END.	D-PEW-1	17.0	1115			1
TOTALS						38.1	2368	1	1	2

TOPSOIL

IF EXISTING TOPSOIL IS SUITABLE FOR REUSE

PROPOSED SLOPE AREA S.F.	EXISTING TOPSOIL (EXC.)	EXISTING TOPSOIL (EMB.)	EXISTING TOPSOIL (TOTAL) C.Y.	REQUIRED TOPSOIL C.Y.	PLACING TOPSOIL 203-04 C.Y.	FURNISHED TOPSOIL 203-07 C.Y.	EXCESS TOPSOIL C.Y.
31233	0	80	80	578	80	498	0

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY) EXC.	UNADJUSTED VOLUMES (CY) EMB.	ADJUSTED VOLUMES (CY) EXC.
MAINLINE	3015	2398	2563
SIDE ROADS	0	0	
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES	7	0	6
INDEPENDENT DITCHES	281	0	239
TEMPORARY CONSTRUCTION EXITS	0	0	
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)	0	0	
TOPSOIL (EMB.)	80		
TOPSOIL (EXC.)	0		
TOPSOIL TOTALS (SEE TOPSOIL TABLE)			

BALANCE SUMMARY

SHRINK = 15 % SWELL = 15 %

	EXC.		EMB.
	2808	VS.	-2398
AVAILABLE		=	410
WASTE MATERIAL		=	472

ROCK (C.Y.) EXC.	ROCK (C.Y.) EMB.	TOTALS (C.Y.) EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	3383	2398	3383	3303	2808

PAVEMENT QUANTITIES

LOCATION (ROADWAY)	TYPE - GRADE - PAY ITEM (TON) MINERAL AGG. D 303-01	BITUMINOUS PLANT MIX BASE (HOT MIX) A 307-02.01	BITUMINOUS PLANT MIX BASE (HOT MIX) B-M2 307-02.08	GRADING FOR SHOULDERS E 411-01.07	TACK COAT 403-01	ASPHALTIC CONCRETE SURFACE (HOT MIX) D 411-02.10	COLD PLANING 415-01.01
SR-60	2390.0	1584.0	479.0	335.0	10.0	1354.0	1329.0
VISTA STREET					0.3	29.0	36.0
LITTLE STREET					0.2	25.0	30.0
GUTHRIE STREET (SOUTH)					0.3	36.0	45.0
GUTHRIE STREET (NORTH)					0.3	29.0	36.0
TOTALS	2390.0	1584.0	479.0	335.0	11.1	1473.0	1476.0

SEALED BY

JOSEPH L. DELOREZO REGISTERED ENGINEER LICENSED TO PRACTICE ENGINEERING 0001254.0 STATE OF TENNESSEE

07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	HSIP-60(37)	2F1
PS&E	2026	HSIP-60(37)	2F1

CATCH BASINS AND MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	TYPE 3 M.H. 611-01.02 4' - 8'	TYPE 12 C.B. 611-12.01 0' - 4'	TYPE 12 C.B. 611-12.02 4' - 8'	TYPE 42 C.B. 611-42.01 0' - 4'	TYPE 42 C.B. 611-42.02 4' - 8'	CATCHBASIN RETROFIT 611-09.04	REMARKS
5A	SR60	40+01.82	1.23	MH-1	854.58	MH	5' DIA	4.41	D-MH-2	1						REPLACE EXIST - TIE TO EXIST PIPE
4A	SR60	24+00.00	2.44	CB-1	821.16	#42	4X4	4.22	D-CB-42SB					1		NEW - TIE TO EXIST PIPE
4A	SR60	24+72.02	3.37	CB-2	822.12	#42	4X4	4.15	D-CB-42SB						1	CONVERT EXIST MH TO CB AND RAISE TOP
4A	SR60	25+78.24	2.25	CB-3	823.21	#42	4X4	3.95	D-CB-42SB						1	RAISE EXIST CB TOP
4A	SR60	26+23.50	0.52	CB-4	823.75	#42	4X4	3.95	D-CB-42SB				1			NEW
4A	SR60	26+64.62	1.44	CB-5	824.24	#42	4X4	4.34	D-CB-42SB						1	RAISE EXIST CB TOP
4A	SR60	27+50.00	-0.5	CB-6	825.38	#42	4X4	4.05	D-CB-42SB					1		NEW - TIE TO EXIST PIPE
4A	SR60	28+26.37	-0.06	CB-7	826.34	#42	4X4	3.77	D-CB-42SB						1	RAISE EXIST CB TOP
4A	SR60	28+85.81	-4.05	CB-8	827.08	#42	4X4	3.65	D-CB-42SB				1			NEW
4A	SR60	29+36.38	-6.96	CB-9	827.7	#42	4X4	3.65	D-CB-42SB				1			NEW - DO NOT ATTACH TO EXIST BOX CULV
4A	SR60	32+60.00	7.93	CB-10	834.81	#42	4X4	3.02	D-CB-42SB				1			NEW - TIE TO EXIST PIPE
4A	SR60	33+81.30	0.01	CB-11	837.51	#42	4X4	3.5	D-CB-42SB						1	RAISE EXIST CB TOP
5A	SR60	35+31.26	0.69	CB-12	841.27	#42	4X4	4.1	D-CB-42SB					1		NEW - TIE TO EXIST PIPE
5A	SR60	36+83.14	-1.32	CB-13	845.01	#42	4X4	4.56	D-CB-42SB						1	RAISE EXIST CB TOP
5A	SR60	40+27.44	4.44	CB-14	855.06	#12	4X3	3.9	D-CB-12S		1					NEW
5A	SR60	41+00.00	8.57	CB-15	855.75	#42	4X4	3.82	D-CB-42SB				1			NEW
5A	SR60	42+00.00	1.74	CB-16	858.74	#42	4X4	3.82	D-CB-42SB				1			NEW
5A	SR60	43+00.00	0	CB-17	861.78	#42	4X4	3.82	D-CB-42SB				1			NEW
5A	SR60	43+56.74	-61.48	CB-20	866.99	#12	4' DIA	5.67	D-CB-12RA			1				NEW - TIE TO EXIST PIPE
5A	SR60	44+00.00	0	CB-18	864.23	#42	4X4	3.82	D-CB-42SB				1			NEW
5A	SR60	44+03.00	-80.04	CB-21	868.74	#12	4X3	5.14	D-CB-12S			1				NEW
5A	SR60	44+58.50	-80.18	CB-22	869.29	#12	4X3	4.2	D-CB-12S			1				NEW
5A	SR60	45+00.00	-13.95	CB-19	868.69	#12	4X4	3.9	D-CB-42SB		1					NEW
5A	SR60	45+06.00	-79.92	CB-23	870.48	#12	4X3	3.96	D-CB-12S		1					NEW
TOTALS										**1**	**3**	**3**	**8**	**3**	**6**	

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	RCP CLASS III 607-02.02 15" (L.F.)	RCP CLASS III 607-03.02 18" (L.F.)	RCP CLASS III 607-13.03 72" (L.F.)
5B	CB-23	866.53	CB-22	865.26	2.69		48	
5B	CB-22	865.09	CB-21	863.70	2.60		54	
5B	CB-21	863.60	CB-20	862.51	2.32		48	
5B	CB-20	861.32	ExistA29	860.43	2.22		40	
5B	CB-19	864.79	CB-18	860.58	4.33	98		
5B	CB-18	860.41	CB-17	858.13	2.37	96		
5B	CB-17	857.96	CB-16	855.09	2.99	96		
5B	CB-16	854.92	CB-15	852.10	2.94	96		
5B	CB-15	851.93	CB-14	851.33	0.85	70		
5B	CB-14	851.16	MH-1	850.86	1.43	22		
4B	CB-9	824.05	CB-8	823.43	1.32		48	
4B	CB-8	823.43	CB-7	822.57	1.55		56	
4B	CB-4	819.80	CB-3	819.26	1.30		42	
4B	INLET	815.66	OUTLET	817.66	0.71			282
TOTALS						**478**	**336**	**282**

SEALED BY

JOSEPH L. DELORENZO REGISTERED ENGINEER ORNDORFF NO. 0012540 STATE OF TENNESSEE

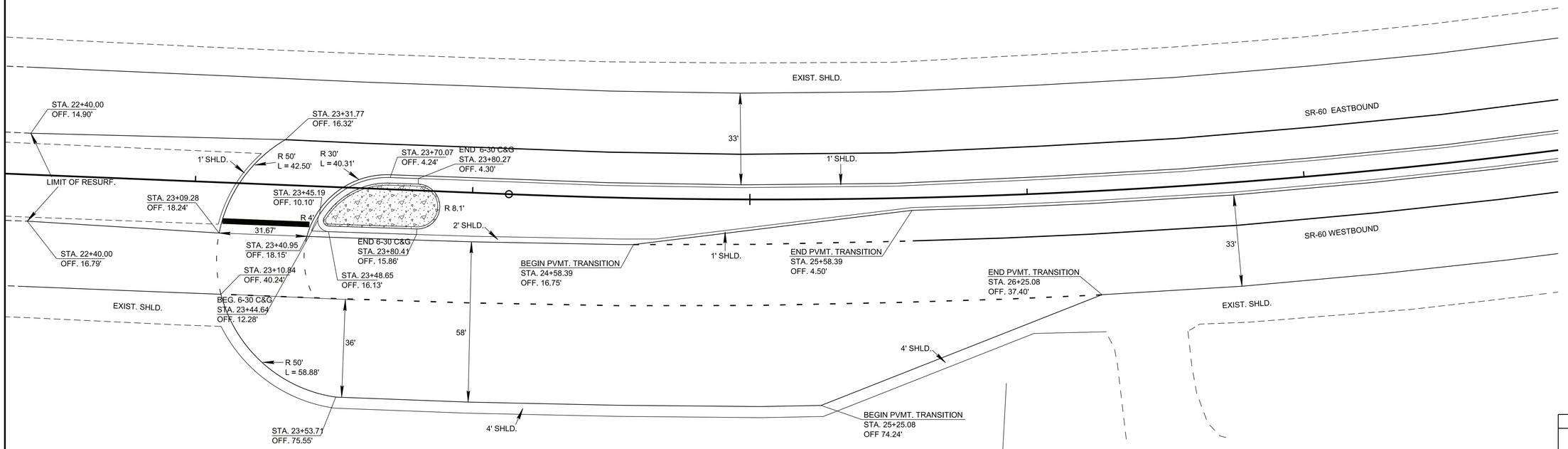
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2G
PIH	2026	HSIP-60(37)	2G
PS&E	2026	HSIP-60(37)	2G



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COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

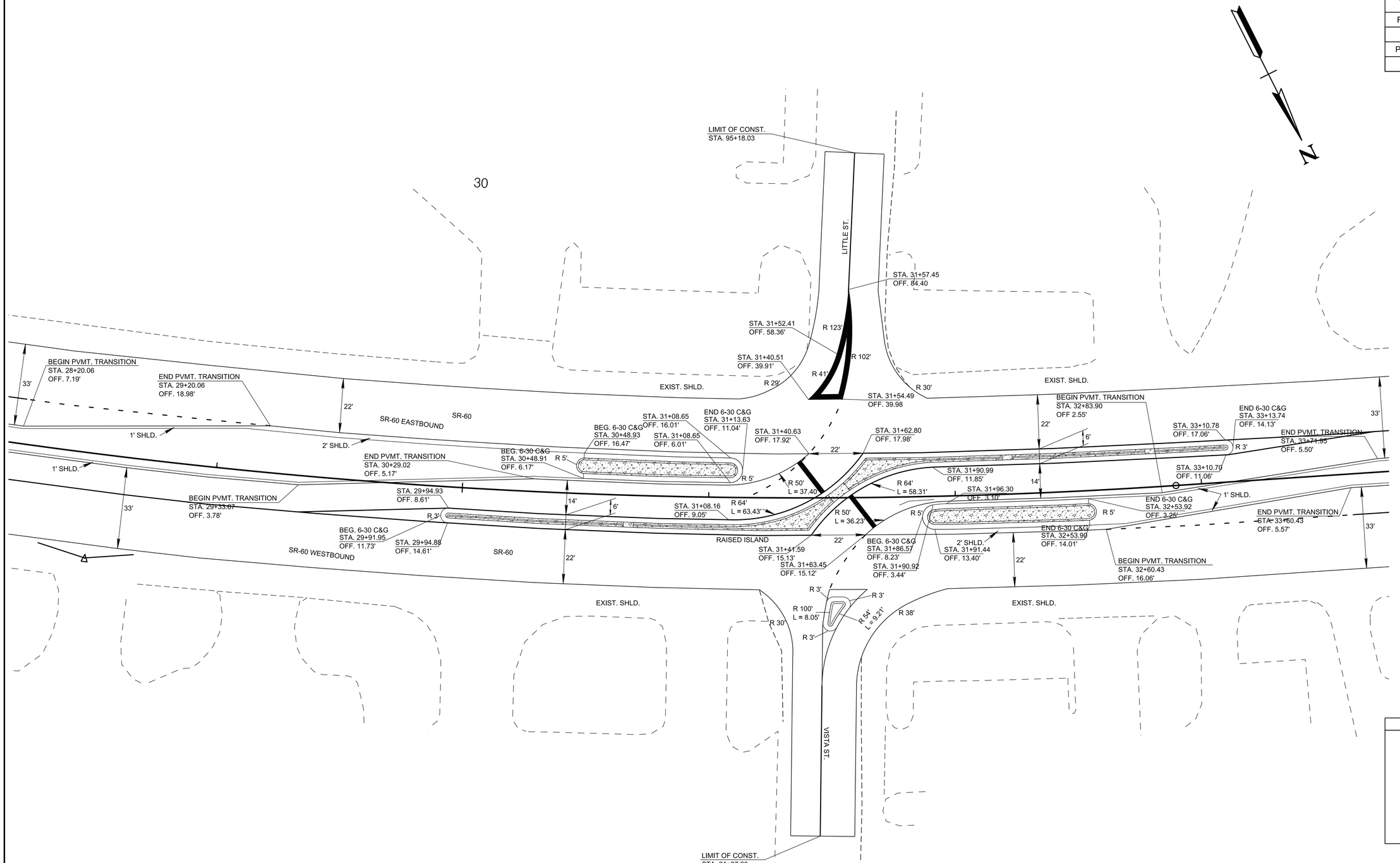
INTERSECTION DETAILS

STA. 22+31 TO STA. 27+92

SCALE: 1"= 20'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC	2025	HSIP-60(37)	2G1
PIH	2026	HSIP-60(37)	2G1
PS&E	2026	HSIP-60(37)	2G1



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JOSEPH L. DELORENZO
REGISTERED ENGINEER
NO. 0012540
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

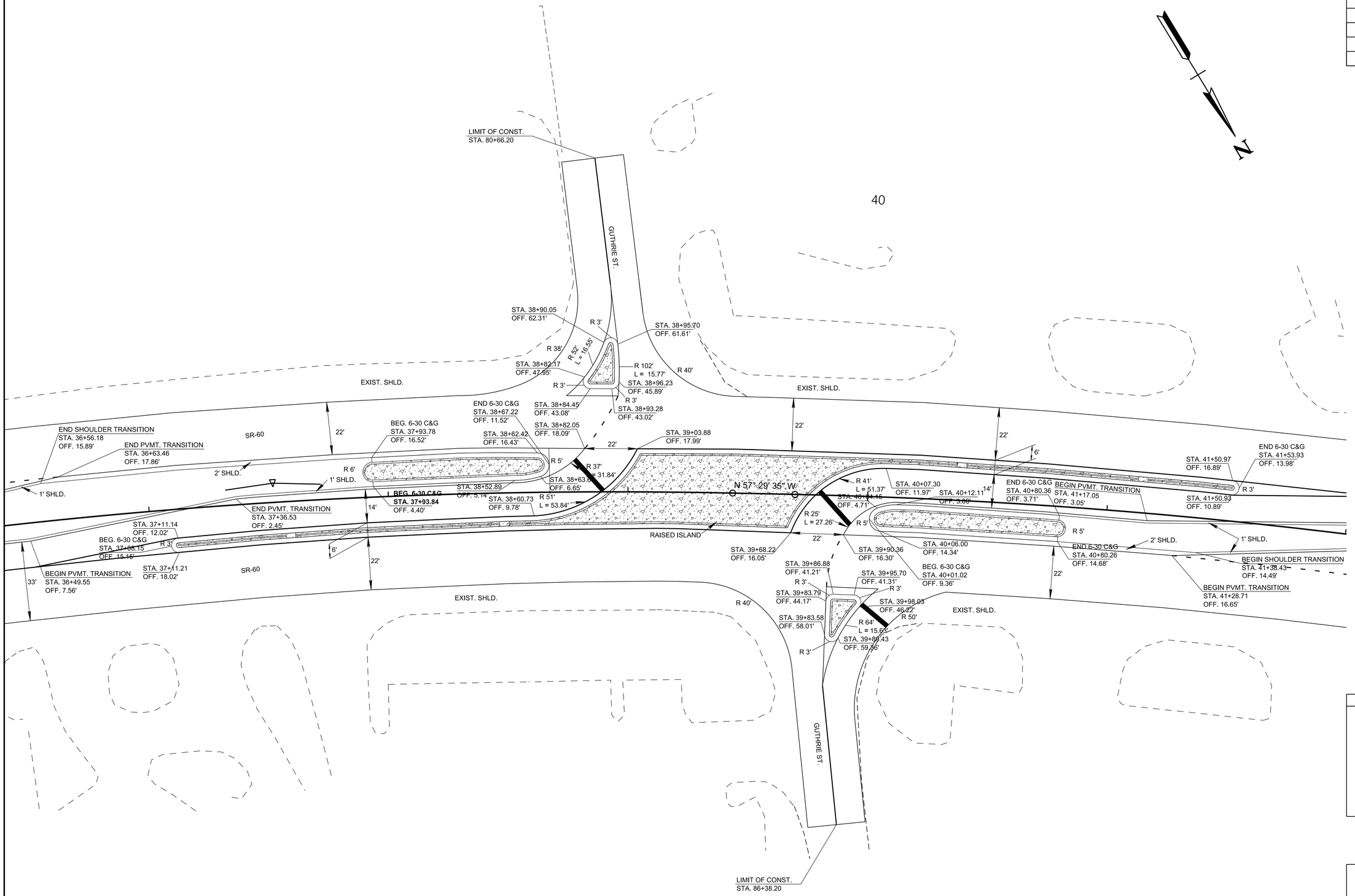
INTERSECTION DETAILS

STA. 28+15 TO STA. 33+76

SCALE: 1"= 20'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2G2
PIH	2026	HSIP-60(37)	2G2
PS&E	2026	HSIP-60(37)	2G2



DRAFT

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JOSEPH L. DELORENZO
REGISTERED ENGINEER
COMMISSION NO. 0012564.0
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

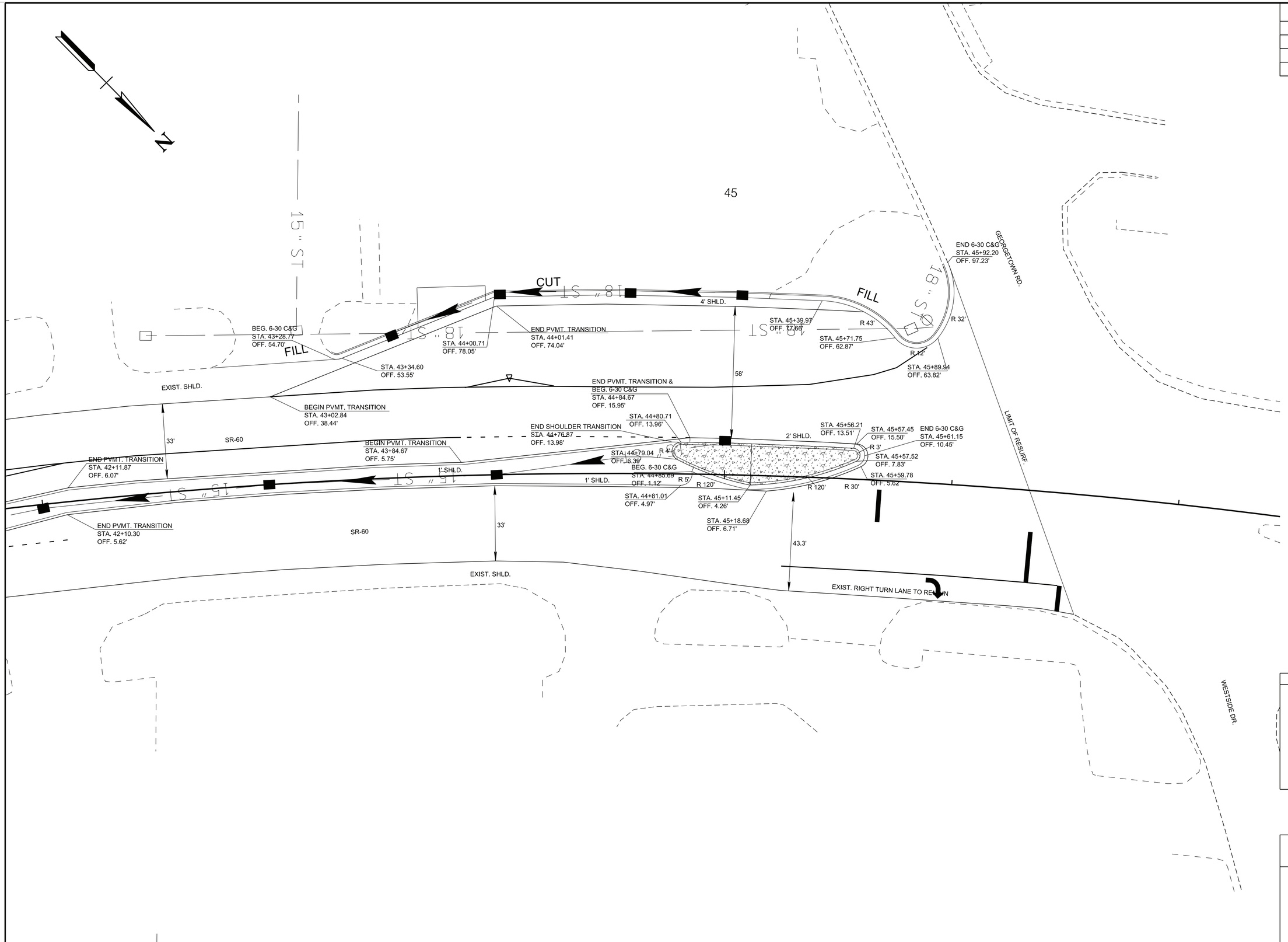
INTERSECTION DETAILS

STA. 36+39 TO STA. 42+00

SCALE: 1"= 20'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	2G3
PIH	2026	HSIP-60(37)	2G3
PS&E	2026	HSIP-60(37)	2G3



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JOSEPH L. DELOLLIS
REGISTERED ENGINEER
LICENSED TO PRACTICE
COMPANY
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS

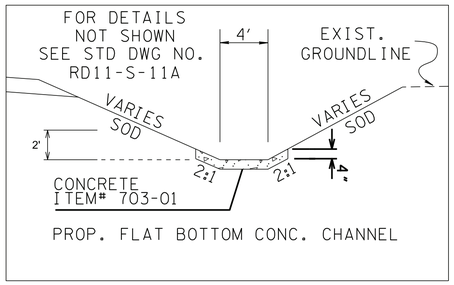
STA. 41+83 TO STA. 47+45

SCALE: 1"= 20'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	2G4
PIH	2026	HSIP-60(37)	2G4
PS&E	2026	HSIP-60(37)	2G4

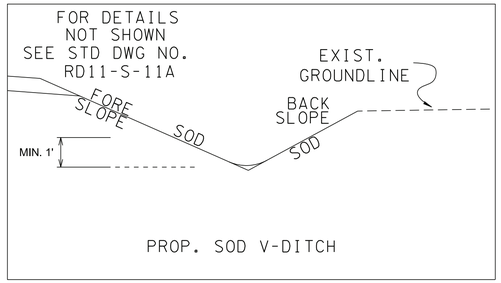
DETAIL 1



PROP. FLAT BOTTOM CONC. CHANNEL

STA. 22+92.00 TO STA. 24+18.00

DETAIL 2



PROP. SOD V-DITCH

STA. 24+18.00 RT TO STA. 25+60.00 RT
STA. 24+00.00 RT TO STA. 30+45.00 LT
STA. 32+60.00 RT TO STA. 37+88.00 LT
STA. 41+00.00 RT TO STA. 44+70.00 LT

SEALED BY

JOSEPH L. DELOLIZO
REGISTERED ENGINEER
LICENSE NUMBER
115925-0410
STATE OF TENNESSEE

07-17-26

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DETAILS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	3
PIH	2026	HSIP-60(37)	3
PS&E	2026	HSIP-60(37)	3

RIGHT-OF-WAY

(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.

(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.

(10) ON PROJECTS WITH CURB AND GUTTER THAT ARE ON STATE ROUTES, IT WILL BE THE RESPONSIBILITY OF THE OWNER TO SECURE A PERMIT. AFTER THE PERMIT HAS BEEN GRANTED, THE DEPARTMENT WILL CONSTRUCT THE DRIVEWAY OR FIELD ENTRANCE THROUGH THE CURB AND SIDEWALK, PROVIDED THE CURB AND SIDEWALK HAVE NOT BEEN CONSTRUCTED. IT WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONSTRUCT THE DRIVEWAY OR FIELD ENTRANCE FROM BACK OF SIDEWALK TO TOUCHDOWN POINT FOR ANY ADDITIONAL DRIVEWAYS OR 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

CABLE:

CHARTER COMMUNICATIONS
1103 S HAMILTON STREET
DALTON, GA 30720

CONTACT: ERIC CHADWICK
OFFICE PHONE: 706 483 4925

Email: eric.chadwick@charter.com

GAS:

CHATTANOOGA GAS COMPANY (SOUTHERN CO-ATLANTA GAS)
PO BOX 4569
ATLANTA, GA 30302
CONTACT: TAHA HAVELIWALA
OFFICE PHONE: 404 584 3915
CELL PHONE: 404 499 5694
FAX: 404 584 4187
Email: X2thavel@southernco.com

TELEPHONE:

BELLSOUTH dba AT&T
300 E MARTIN LUTHER KING BLVD, 5TH FLOOR
CHATTANOOGA, TN 37403

CONTACT: JOE PERREL
OFFICE PHONE: 423 266 1566
CELL PHONE: 423 488 2825
Email: jp1389@att.com

ELECTRIC:

CLEVELAND UTILITIES
PO BOX 2730
CLEVELAND, TN 37320
2450 GUTHRIE DRIVE NW
CLEVELAND, TN 37311
CONTACT: KIM DUNCAN
OFFICE PHONE: 423 472 4521
CELL PHONE: 423 413 8761
Email: kduncan@clevelandutilities.com

GAS:

KINDER MORGAN / PLANTATION PIPELIN COMPANY
569 BROOKWOOD VILLAGE, STE 479
BIRMINGHAM, AL 35209
CONTACT: MICHAEL RAY
OFFICE PHONE: 205 325 3580
FAX: 205 704 0686

Email: Michael_Ray@kindermorgan.com

WATER:

CLEVELAND UTILITIES
PO BOX 2730
CLEVELAND, TN 37320
2450 GUTHRIE DRIVE NW
CLEVELAND, TN 37311
CONTACT: SAM DYER
OFFICE PHONE: 423 472 4521
CELL PHONE: 423 244 1221
Email: sdyer@clevelandutilities.com

SEWER:

CLEVELAND UTILITIES
PO BOX 2730
CLEVELAND, TN 37320
2450 GUTHRIE DRIVE NW
CLEVELAND, TN 37311
CONTACT: GREG CLARK
OFFICE PHONE: 423 472 4521
CELL PHONE: 423 242 8540
Email: gclark@clevelandutilities.com

SEALED BY

JOSEPH L. DELORENZO — REGISTERED ENGINEER — COMMISSION NO. 0012540 — STATE OF TENNESSEE
07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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

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R.O.W. ACQUISITION TABLE

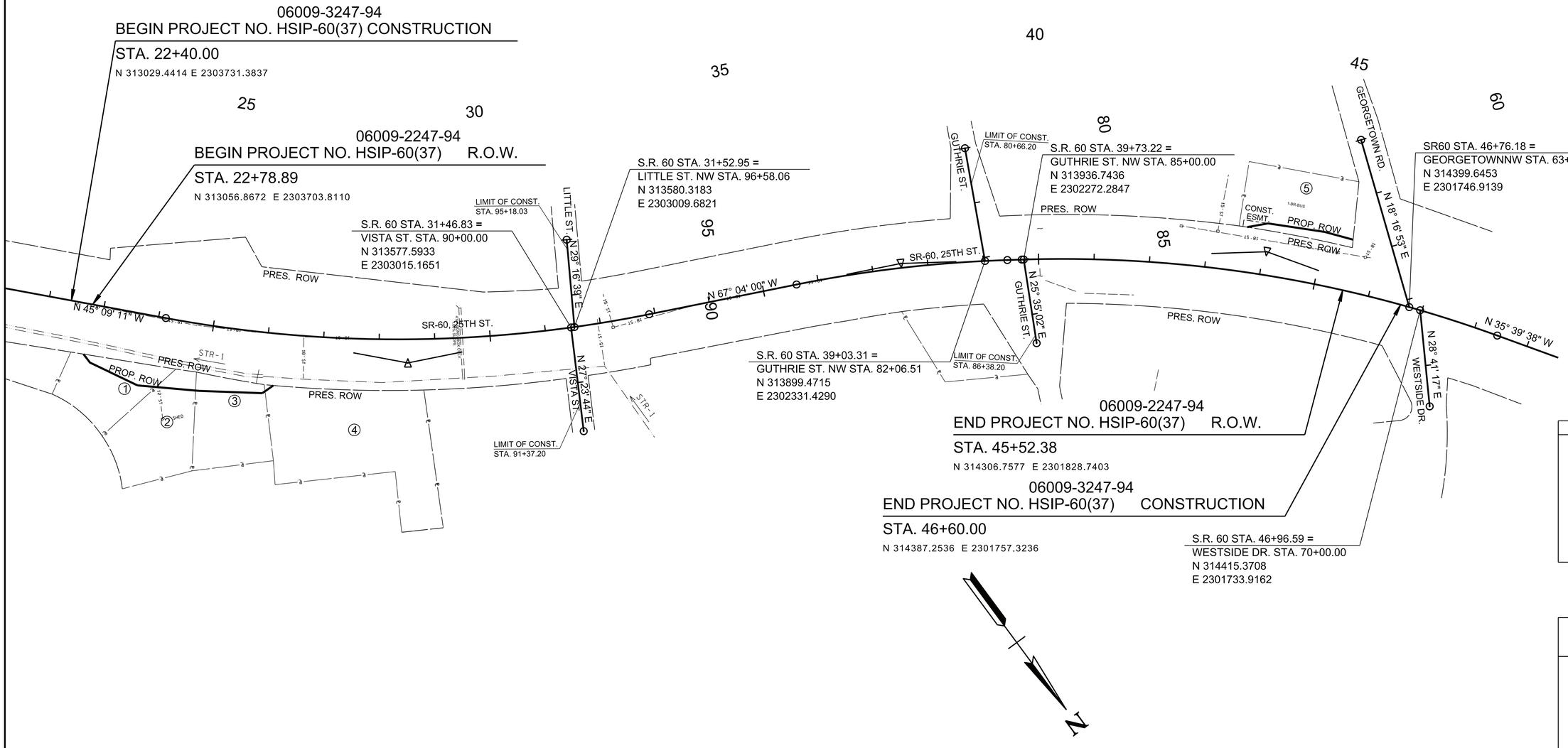
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (ACRES)			
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT	SLOPE	CONSTRUCTION	AIR RIGHTS
				BOOK	PAGE												
1	JANICE ANN FORSYTHE & HS, BRYAN RAYMOND FORSYTHE	41K C	17	1675	620		0.401	0.401		0.101	0.101		0.300				
2	JANICE A. FORSYTHE & HS, BRYAN R. FORSYTHE	41K C	16	2210	351		0.538	0.538		1888 S.F.	1888 S.F.		0.495				
3	JOHN H. BREWER & WF, GAYLE L. BREWER	41K C	19	2309	584		0.485	0.485		2972 S.F.	2972 S.F.		0.417				
4	JOHN H. BREWER & WF, GAYLE BREWER	41K C	10	272	863		1.224	1.224		97 S.F.	97 S.F.		1.222				
5	FB & J ENTERPRISES	41K B	1	2142	944	0.548		0.548	2536 S.F.		2536 S.F.	0.490				316 S.F. (1)	
ACQUISITION TOTALS (ACRES)										0.273						316 S.F.	

(1) FOR BUSINESS ENTRANCE CONSTRUCTION.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	3A
PIH	2026	HSIP-60(37)	3A
PS&E	2026	HSIP-60(37)	3A

DISTURBED AREA

IN BETWEEN SLOPE LINES	1.778	(AC)
10 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	0.180	(AC)
TOTAL DISTURBED AREA	1.958	(AC)
TOTAL PROJECT AREA	10.250	(AC)


06009-3247-94
BEGIN PROJECT NO. HSIP-60(37) CONSTRUCTION
STA. 22+40.00
N 313029.4414 E 2303731.3837
06009-2247-94
BEGIN PROJECT NO. HSIP-60(37) R.O.W.
STA. 22+78.89
N 313056.8672 E 2303703.8110
S.R. 60 STA. 31+46.83 =
VISTA ST. STA. 90+00.00
N 313577.5933
E 2303015.1651
S.R. 60 STA. 31+52.95 =
LITTLE ST. NW STA. 96+58.06
N 313580.3183
E 2303009.6821
S.R. 60 STA. 39+03.31 =
GUTHRIE ST. NW STA. 82+06.51
N 313899.4715
E 2302331.4290
S.R. 60 STA. 39+73.22 =
GUTHRIE ST. NW STA. 85+00.00
N 313936.7436
E 2302272.2847
SR60 STA. 46+76.18 =
GEORGETOWNNW STA. 63+13.93
N 314399.6453
E 2301746.9139
06009-2247-94
END PROJECT NO. HSIP-60(37) R.O.W.
STA. 45+52.38
N 314306.7577 E 2301828.7403
06009-3247-94
END PROJECT NO. HSIP-60(37) CONSTRUCTION
STA. 46+60.00
N 314387.2536 E 2301757.3236
S.R. 60 STA. 46+96.59 =
WESTSIDE DR. STA. 70+00.00
N 314415.3708
E 2301733.9162
LIMIT OF CONST. STA. 95+18.03
LIMIT OF CONST. STA. 91+37.20
LIMIT OF CONST. STA. 80+66.20
LIMIT OF CONST. STA. 86+38.20
SR-60, 25TH ST.
PRES. ROW
PROP. ROW
CONST. ESMT.
GUTHRIE ST.
LITTLE ST.
VISTA ST.
GEORGETOWN RD.
WESTSIDE DR.
N 45° 09' 11" W
N 67° 04' 00" W
N 29° 16' 38" E
N 27° 23' 44" E
N 25° 35' 02" E
N 18° 16' 52" E
N 28° 41' 17" E
N 35° 39' 38" W
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	4
PIH	2026	HSIP-60(37)	4
PS&E	2026	HSIP-60(37)	4

CURVE SC3
PI 28+56.79
N 313,464.4121
E 2,303,294.0843
~ 21° 54' 49" (LT)
D 2° 30' 00"
R 2,291.83
L 876.55
T 443.70

25

30

35

PC 24+13.09

PI 28+56.79

PT 32+89.64

06009-3247-94
BEGIN PROJECT NO. HSIP-60(37) CONSTRUCTION
STA. 22+40.00
N 313029.4414 E 2303731.3837

06009-2247-94
BEGIN PROJECT NO. HSIP-60(37) R.O.W.
STA. 22+78.89
N 313056.8672 E 2303703.8110

A1 TOP-825.67 INV-815.47 INV-815.42 BOT-815.42
A2 TOP-828.19 INV-816.98 INV-816.89 BOT-816.89
A3 TOP-830.05 INV-826.90 BOT-816.75
A4 TOP-830.26 INV-828.01 INV-827.96 BOT-827.96
A5 TOP-832.63 INV-829.78 BOT-829.78
A6 TOP-831.11 INV-818.21 INV-818.16 BOT-818.16
A7 TOP-833.49 INV-821.09 INV-821.09 INV-820.94 INV-820.89 BOT-820.89
A8 TOP-835.74 INV-823.39 INV-822.74 INV-822.74 BOT-822.74
A9 TOP-832.61 INV-830.56 INV-830.51 BOT-830.11
A10 TOP-834.08 INV-830.48 INV-830.43 INV-830.43 BOT-830.43
A24 TOP-841.24 INV-838.87 INV-838.73 INV-838.35 BOT-838.35

1 TOP-835.09 INV-820.69 INV-820.65 BOT-820.65
2 TOP-834.84 INV-816.41 INV-815.21 INV-814.67 BOT-814.67
3 TOP-839.14 INV-831.83 BOT-831.83

INV-821.34 BOT-821.39

TOP-830.13 INV-817.53 INV-817.48 BOT-817.48

TOP-830.95

PRES. R.O.W.

LITTLE ST. (ASP.)

N 29° 16' 39" E

LIMIT OF CONST. STA. 95+18.03

MOUNTABLE CURB

1' BRICK WALL

END SPEC. V-DITCH STA. 32+60.00 OFF 7.93 FT

MOUNTABLE CURB

LANDSCAPED AREA

RIVERROCK

YARDLIGHT ELECTRIC

PRES. & PROP. R.O.W.

CB - A37 TOP-836.76 INV-833.87 INV-838.79 BOT-833.79

YARDLIGHT

LIGHT POLE TO REMAIN

TELEPHONE MONUMENT

SIGN

MATCH LINE STA 35+00

STA 35+00

SEE SHEET NO. 5

N 67° 04' 00" W

CB - 11 TOP-837.39 INV-834.07 INV-834.01 BOT-834.01

24" RCP TO REMAIN INV-830.30

24" RCP INV-828.24 TO REMAIN

CB - A36 TOP-834.63 INV-831.99 INV-831.64 BOT-831.64

18" RCP DIRECTION ONLY

SEE RETROFIT NOTE ON SHEET

ELECTRIC OUTLET

EXIST. CB TO REMAIN

TOP-841.12 GREASETRAP

TOP-841.45 GREASETRAP

MOUNTABLE CURB

CONC.RET.WALL

YARDLIGHTS

FLAG

MOUNTABLE CURB

TOP-837.38 INV-830.73 INV-830.68 BOT-830.68

DIRECTION ONLY

TOP-835.51 INV-825.51 BOT-825.41

S.R. 60 STA. 31+52.95 =
LITTLE ST. NW STA. 96+58.06
N 313580.3183
E 2303009.6821

A11 TOP-835.35 INV-831.50 INV-831.45 BOT-831.45
A12 TOP-835.82 INV-832.67 INV-832.62 BOT-832.62
A13 TOP-837.88 INV-835.62 INV-835.50 BOT-835.50
A14 TOP-839.97 INV-836.74 INV-836.65 BOT-836.65

TOP-835.70 INV-821.50 INV-821.30 BOT-821.30

TOP-837.05 INV-821.95 BOT-821.95

N 27° 23' 44" E

VISTA ST (ASP.)

LIMIT OF CONST. STA. 91+37.20

S.R. 60 STA. 31+46.83 =
VISTA ST. STA. 90+00.00
N 313577.5933
E 2303015.1651

TOP-834.39 INV-814.69 INV-814.34 BOT-814.34

MOUNTABLE CURB

JUNCTION BOX

CONC. DITCH

CP-S51 EL-828.58 06-60-51

TOP-828.77 INV-818.85 INV-813.38 INV-812.57 BOT-812.57

EXIST. CB TO REMAIN ELECTRIC

LIGHT POLE TO REMAIN

CONC.DITCH

PRES. & PROP. R.O.W.

SR-60, 25TH ST.

TO REMAIN

TO BE REMOVED

MOUNTABLE CURB

SEE RETROFIT NOTE ON SHEET

CB - 5 TOP-823.14 INV-820.01 INV-819.90 BOT-819.90

CB - 7 TOP-826.09 INV-822.57 BOT-822.57

TOP-825.14

INV-818.61

INV-817.96

INV-821.17

INV-823.09

INV-824.17

INV-827.00

CONC. 2" TRENCH DRAIN

30"CMP

LANDSCAPE AREA

CB - A34 TOP-827.22 INV-821.22 INV-821.10 BOT-821.10

CB TO REMAIN

CB - 5 TOP-822.41 INV-819.38 INV-819.26 BOT-819.26

RCP

HDPE

TO REMAIN CB - A33 TOP-819.39 INV-816.35 INV-816.34 BOT-816.34

LIGHT POLE TO REMAIN

LIGHT POLE TO BE REMOVED

18" CMP DIRECTION ONLY

282' CONC. CHANNEL TO BE REMOVED

CONC CHANNEL

GATE

CONC.

PRES. R.O.W.

V-SOD

CUT

FILL

CURB

SIDEWALK

EIP

END STR-1 PERM. IMPACT STA.22+95.00

END STR-1 TEMPORARY IMPACT STA.22+85 (SEE NOTE 2 ON SHEET 4B)

TOP-819.57 INV-818.39 INV-818.35 BOT-810.36

TOP-823.10 FILLED IN

BEGIN SPEC. DITCH (TRAP) STA. 22+92.00 OFF 83.1 FT

END SPEC. DITCH (TRAP) STA. 24+18.00 OFF 107.26 FT

BEGIN SPEC. V-DITCH STA. 24+18.00 OFF 107.26 FT

END SPEC. V-DITCH STA. 24+60.00 OFF 2.44 FT

END SPEC. V-DITCH STA. 25+60 OFF 88.7 FT

PROP. R.O.W.

CHAINLINK

TOP-822.85 INV-821.44 BOT-821.44

BEGIN STR-1 PERM. IMPACT STA.25+89.00

BEGIN STR-1TEMPORARY IMPACT STA.25+98 (SEE NOTE 2 ON SHEET 4B)

18 FEET OF CONC. CHAN. TO REMAIN

JANICE ANN FORSYTHE & HS, BRYAN RAYMOND FORSYTHE

JANICE A. FORSYTHE & HS, BRYAN R. FORSYTHE

JOHN H. BREWER & WF, GAYLE BREWER

JOHN H. BREWER & WF, GAYLE BREWER

TOP-823.52 INV-820.57 INV-820.55 BOT-820.37

TOP-823.83 INV-820.87 BOT-820.87

FENCE COR

PIPE

EIP

TOP-834.39 INV-814.69 INV-814.34 BOT-814.34

EXIST. CB NOTE:
ALL CATCH BASINS ON SOUTH AND NORTH SIDE OF SR-60 TO REMAIN

RETROFIT NOTE:
SEE PROFILE SHEET FOR DETAIL ON RETROFIT ELEVATIONS.

CONTROL POINTS							
POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	FEATURE	DESCRIPTION
S51	313457.8218	2303333.0531	828.5813	28+16.25	59.0890	XCP	06-60-51

SEALED BY

JOSEPH L. DELORENZO
REGISTERED ENGINEER
No. 0012547
STATE OF TENNESSEE

07-17-26

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

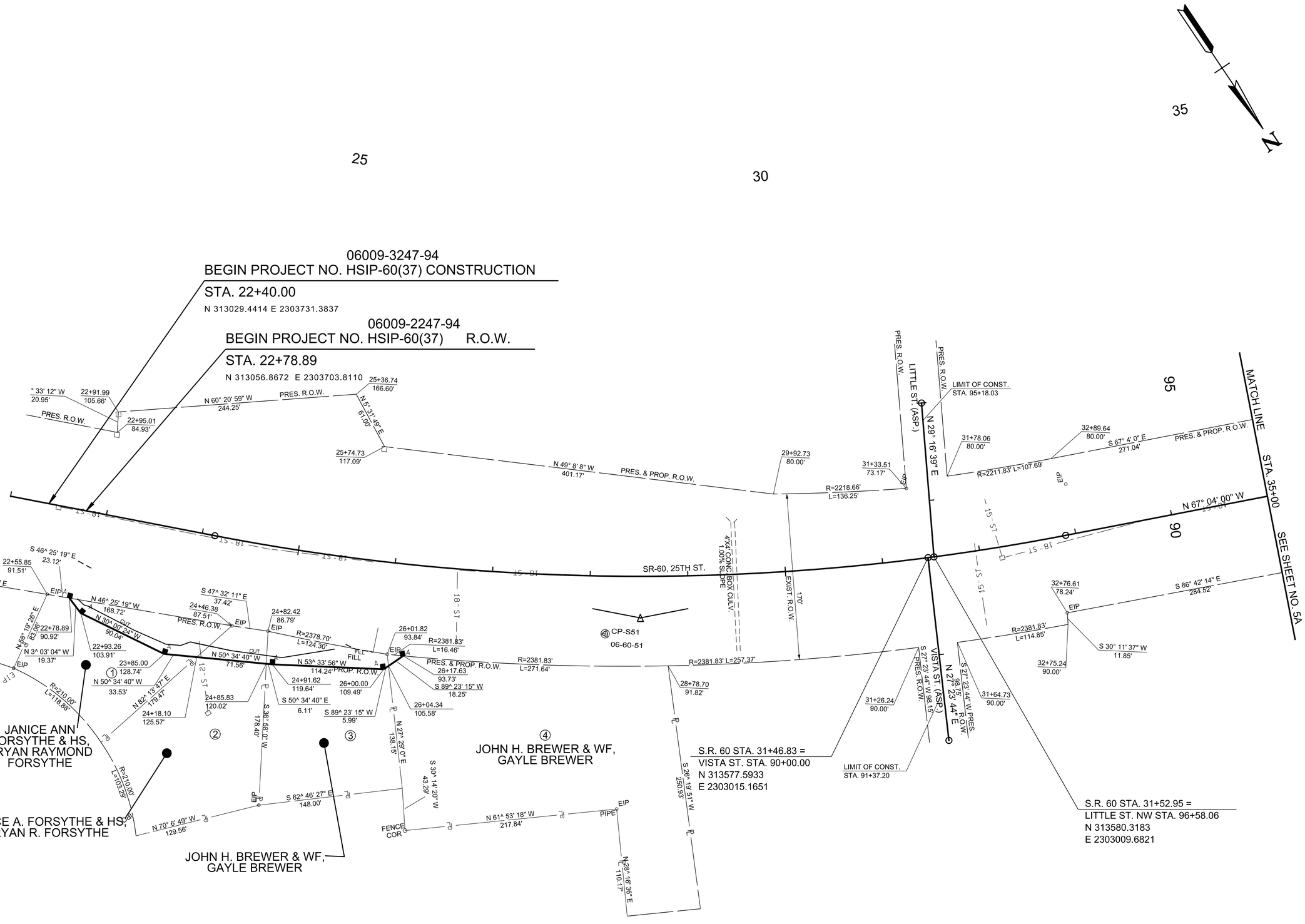
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 22+40 TO STA. 35+00
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	4A
PIH	2026	HSIP-60(37)	4A
PS&E	2026	HSIP-60(37)	4A



CONTROL POINTS							
POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	FEATURE	DESCRIPTION
S51	313457.8218	2303333.0531	828.5813	28+16.25	59.0890	XCP	06-60-51

SEALED BY

JOSEPH L. DELORENZO
REGISTERED ENGINEER
COMMISSION NO. 0001540
STATE OF TENNESSEE

07-17-26

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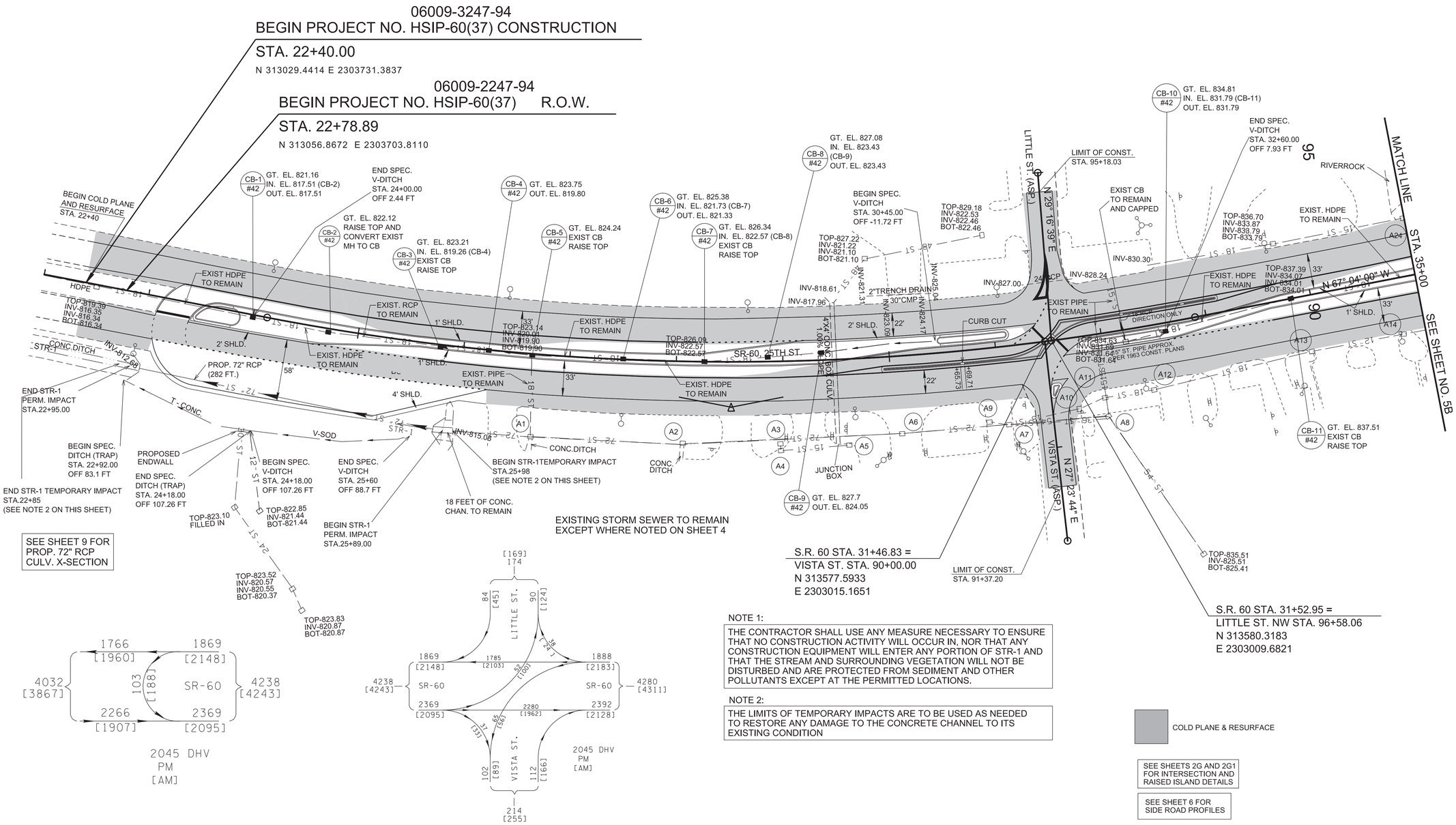
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAILS

STA. 22+40 TO STA. 35+00
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	4B
PIH	2026	HSIP-60(37)	4B
PS&E	2026	HSIP-60(37)	4B



NOTE 1:

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

NOTE 2:

THE LIMITS OF TEMPORARY IMPACTS ARE TO BE USED AS NEEDED TO RESTORE ANY DAMAGE TO THE CONCRETE CHANNEL TO ITS EXISTING CONDITION

SEALED BY

JOSEPH L. DELORENZO REGISTERED ENGINEER LICENSED TO PRACTICE IN THE COMMONWEALTH NO. 0012540 STATE OF TENNESSEE

07-17-26

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

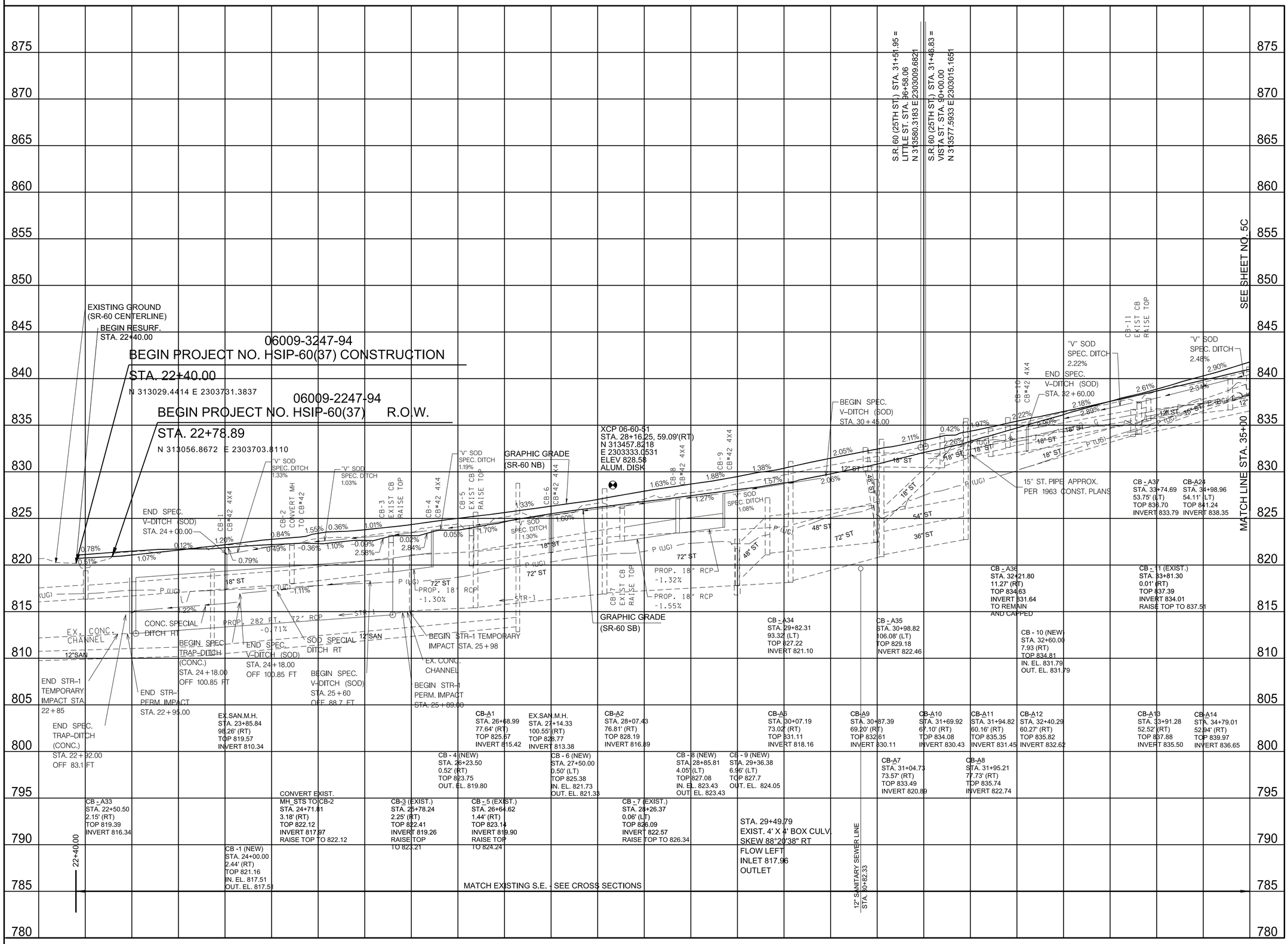
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 22+40 TO STA. 35+00
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	4C
PIH	2026	HSIP-60(37)	4C
PS&E	2026	HSIP-60(37)	4C



SEALED BY

JOSEPH L. DELORENZO REGISTERED ENGINEER LICENSE NO. 0012540 STATE OF TENNESSEE

07-17-26

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 22+40 TO STA. 35+00

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	5
PIH	2026	HSIP-60(37)	5
PS&E	2026	HSIP-60(37)	5

CURVE SC2
PI 37+52.60
N 313,817.6985
E 2,302,459.0925
~ 9° 34' 25" (RT)
D 2° 30' 00"
R 2,291.83
L 382.95
T 191.92

CURVE SC1
PI 44+11.67
N 314,172.3636
E 2,301,902.5298
~ 21° 49' 57" (RT)
D 2° 30' 00"
R 2,291.83
L 873.30
T 442.01

PC 35+69.68
PI 37+52.60
PT 39+43.63
PC 39+69.66
PI 44+11.67

A16 TOP-842.94 INV-840.27 INV-840.21 BOT-840.21
A17 TOP-844.01 INV-841.41 INV-841.19 BOT-841.19
A18 TOP-844.75 INV-842.73 INV-842.53 BOT-842.53
A19 TOP-846.37 INV-843.96 INV-843.87 BOT-843.87
A20 TOP-847.59 INV-844.90 INV-844.76 BOT-844.76
A21 TOP-849.19 INV-847.14 INV-846.78 BOT-846.78
A25 TOP-844.93 INV-838.89 INV-838.51 BOT-836.39
A26 TOP-843.37 INV-838.49 BOT-838.49
A15 TOP-840.73 INV-838.70 INV-838.33 BOT-838.33
A27 TOP-860.54 INV-852.74 INV-852.64 BOT-852.64
A28 TOP-863.89 INV-862.44 INV-851.24 INV-851.19 BOT-851.19
A29 2 GRATES TOP-864.38 INV-860.78 INV-860.43 BOT-860.43
A30 TOP-872.43 INV-867.98 INV-866.23 INV-866.18 BOT-866.18
A31 TOP-874.18 INV-867.68 INV-867.53 BOT-867.53
A32 TOP-874.48 INV-869.93 INV-869.63 INV-867.83 BOT-867.83
A22 TOP-853.60 INV-852.05 INV-851.90 BOT-851.90
A23 TOP-854.88 INV-849.16 INV-849.03 BOT-849.03
EX.C.B. TOP-850.14 INV-845.72 (30") INV-846.50 (12") INV-845.45 (24") BOT-849.03

40 45 60 80 65

N 24° 16' 03" E
N 18° 16' 53" E
N 57° 29' 35" W
N 29° 35' 02" E
N 28° 41' 17" E

GUTHRIE ST. (ASP.)
SR-60, 25TH ST.
GEORGETOWN RD (ASP.)
VALLEY HILLS TR. (ASP.)
WESTSIDE DR. (ASP.)
36th ST

MATCH LINE STA. 35+00 SEE SHEET NO. 4

LIMIT OF CONST. STA. 80+66.20
END SPEC. V-DITCH STA. 41+00.00 OFF 8.57 FT
BEGIN SPEC. V-DITCH STA. 37+88.00 OFF 10.35 FT
BEGIN SPEC. V-DITCH STA. 44+70.00 OFF -2.63 FT
LIMIT OF CONST. STA. 86+38.20

FB & J ENTERPRISES
1-BR-BUS
BETTS EIP
BLOCK RET. WALL
BLOCK RET.WALL
MOUNTABLE CURB
BOLLARDS
BOLLARD
LANDSCAPE AREA
METAL
WATER HYDRANT
ELEC OUTLET
CONC. CONST. ESMT.
PROP. R.O.W
SCARIFY
CONC
PLANTER AREA
FILL
DIRECTION ONLY
ITS CAMERA
CHAINLINK GATE
TELEPHONE MONUMENT
P/T/CTV
2-GW
GW
SIGN
CURB
CURB SIGN
CONC.
ASP.
C&G
PRES. R.O.W
PRES. & PROP. R.O.W
PROP. R.O.W
PRES. & PROP. R.O.W.
TOP-875.09 INV-865.94 INV-864.29 BOT-864.29
TOP-875.30 INV-869.55 INV-869.00 BOT-869.00
TOP-877.45 INV-873.45 INV-873.40 BOT-873.40
TOP-888.16 INV-882.61 INV-882.56 BOT-882.56
CP-S48 EL-881.53 06-60-48
TOP-874.80 INV-870.55 INV-870.50 BOT-870.50
INV-872.62
RIPRAP
TOP-855.00 PAVED OVER
P/T/CTV
WATERVAULT
MOUNTABLE CURB
TELEPHONE MONUMENT
SIGN TO BE REMOVED
10" TRENCHDRAIN
TOP-845.83 INV-839.86 BOT-839.86
CP-S50 EL-847.28 06-60-50
CLEANOUT
INV-844.14
INV-842.66
TEL. PED.
CONC.
SW
CB - A38 TOP-848.15 INV-845.83 BOT-845.83
TOP-844.76 INV-840.46 BOT-840.45
CB - A39 TOP-853.21 INV-850.37 INV-850.17 BOT-850.17
CB - A40 TOP-854.02 INV-851.22 INV-851.20 BOT-851.20
CB - A42 TOP-859.86 INV-855.63 BOT-855.63
CB - A43 TOP-874.80 INV-870.55 INV-870.50 BOT-870.50
TOP-863.31
INV-861.12 CMP
MB
TO REMAIN
TO BE REMOVED
TO BE REMOVED AND RE-SET
TO BE REPLACED
SEE RETROFIT NOTE
24.1'
34.4'
23.8'
24'
46'
CONC.DITCH
MOUNTABLE CURB
VACANT SIGN POLE BOLLARDS
LIGHT POLE TO REMAIN
EIP
TEL. PED
CB - A41 TOP-850.20 INV-846.88 INV-846.79 BOT-846.79
INV-848.66
INV-849.54
CP-S49 EL-854.66 06-60-49
POSSIBLE STORM JUNCTION NOT LOCATED, BUT GUESSED AT
POSSIBLE STORM JUNCTION NOT LOCATED, BUT GUESSED AT
PRES. & PROP. R.O.W.
GASPIPELINEMARKER
WATER HYDRANT
ELECTRIC OUTLET
AIR MACHINE VAC.
VACANT SIGN BASE
VACANT LIGHTPOLE
AIR MACHINE BOLLARDS
TRAFFIC
TRAFFIC SIGNAL PULLBOX
TRAFFIC SIGNAL CURB
MOUNTABLE CURB ELECTRIC
MOUNTABLE CURB
DIRECTION ONLY CURB SIGN
DIRECTION ONLY
P/T/CTV
DIRECTION ONLY

S.R. 60 STA. 39+73.22 =
GUTHRIE ST. NW STA. 85+00.00
N 313936.7436
E 2302272.2847

06009-2247-94
END PROJECT NO. HSIP-60(37) R.O.W.
STA. 45+52.38
N 314306.7577 E 2301828.7403

06009-3247-94
END PROJECT NO. HSIP-60(37) CONSTRUCTION
STA. 46+60.00
N 314387.2536 E 2301757.3236

S.R. 60 STA. 39+03.31 =
GUTHRIE ST. NW STA. 82+06.51
N 313899.4715
E 2302331.4290

SR60 STA. 46+76.18 =
GEORGETOWNNW STA. 63+13.93
N 314399.6453
E 2301746.9139

S.R. 60 STA. 46+96.59 =
WESTSIDE DR. STA. 70+00.00
N 314415.3708
E 2301733.9162

EXIST. CB NOTE:
ALL CATCH BASINS ON SOUTH AND NORTH SIDE OF SR-60 TO REMAIN

RETROFIT NOTE:
SEE PROFILE SHEET FOR DETAIL ON RETROFIT ELEVATIONS.

CONTROL POINTS							
POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	FEATURE	DESCRIPTION
S48	314381.9688	2301641.9690	881.5279	47+27.75	-92.5179	XCP	06-60-48
S49	314030.7077	2302253.7039	854.6593	40+41.54	68.1662	XCP	06-60-49
S50	313724.1946	2302535.6919	847.2797	36+43.55	-57.8014	XCP	06-60-50

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JOSEPH L. DELORENZO REGISTERED ENGINEER LICENSE NO. 0012540 STATE OF TENNESSEE

07-17-26

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

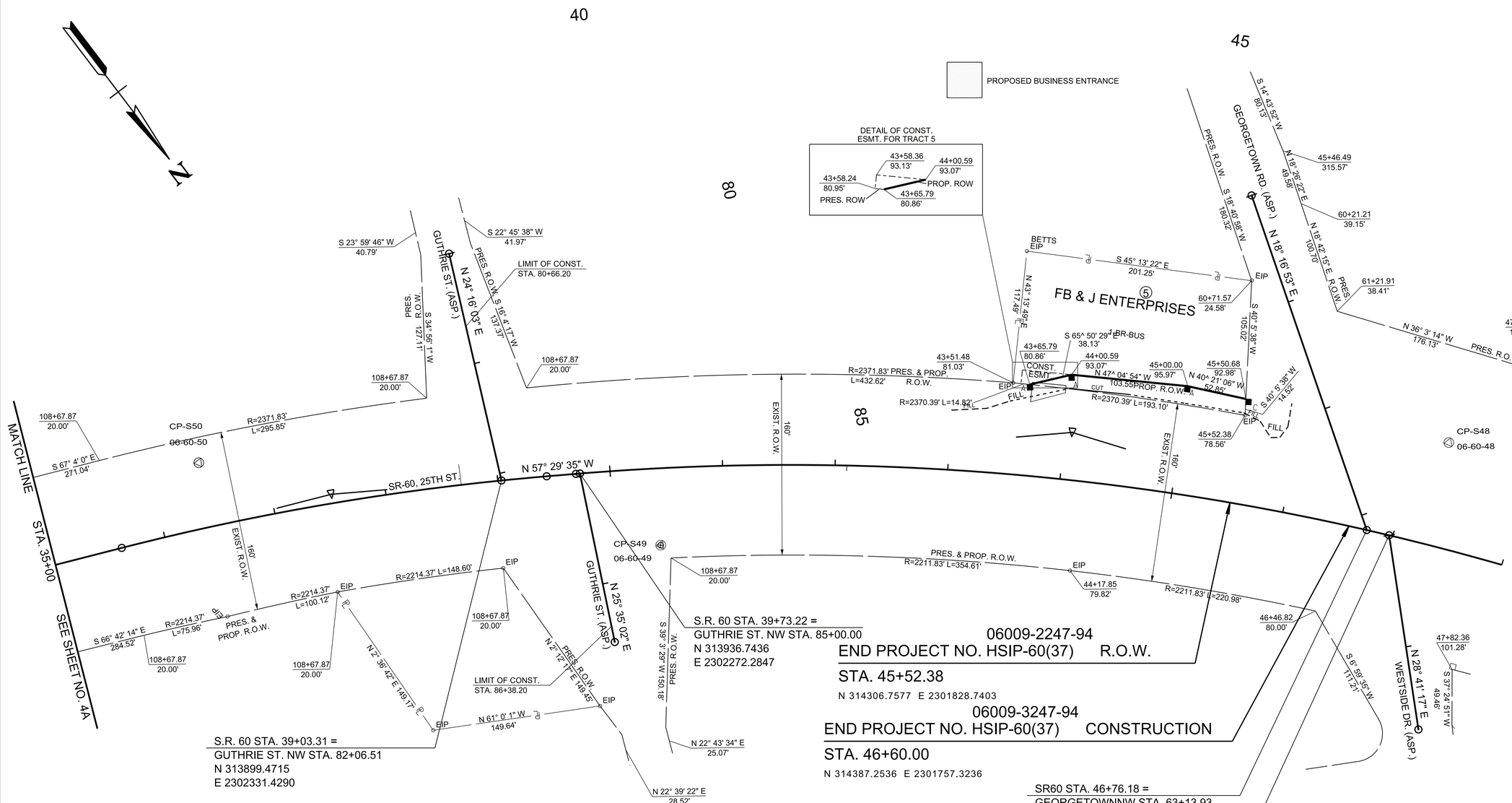
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 35+00 TO STA. 46+60
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	5A
PIH	2026	HSIP-60(37)	5A
PS&E	2026	HSIP-60(37)	5A



CONTROL POINTS							
POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	FEATURE	DESCRIPTION
S48	314381.9688	2301641.9690	881.5279	47+27.75	-92.5179	XCP	06-60-48
S49	314030.7077	2302253.7039	854.6593	40+41.54	68.1662	XCP	06-60-49
S50	313724.1946	2302535.6919	847.2797	36+43.55	-57.8014	XCP	06-60-50

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REGISTERED ENGINEER
STATE OF TENNESSEE
COMMERCIAL
NO 0012540
STATE OF TENNESSEE

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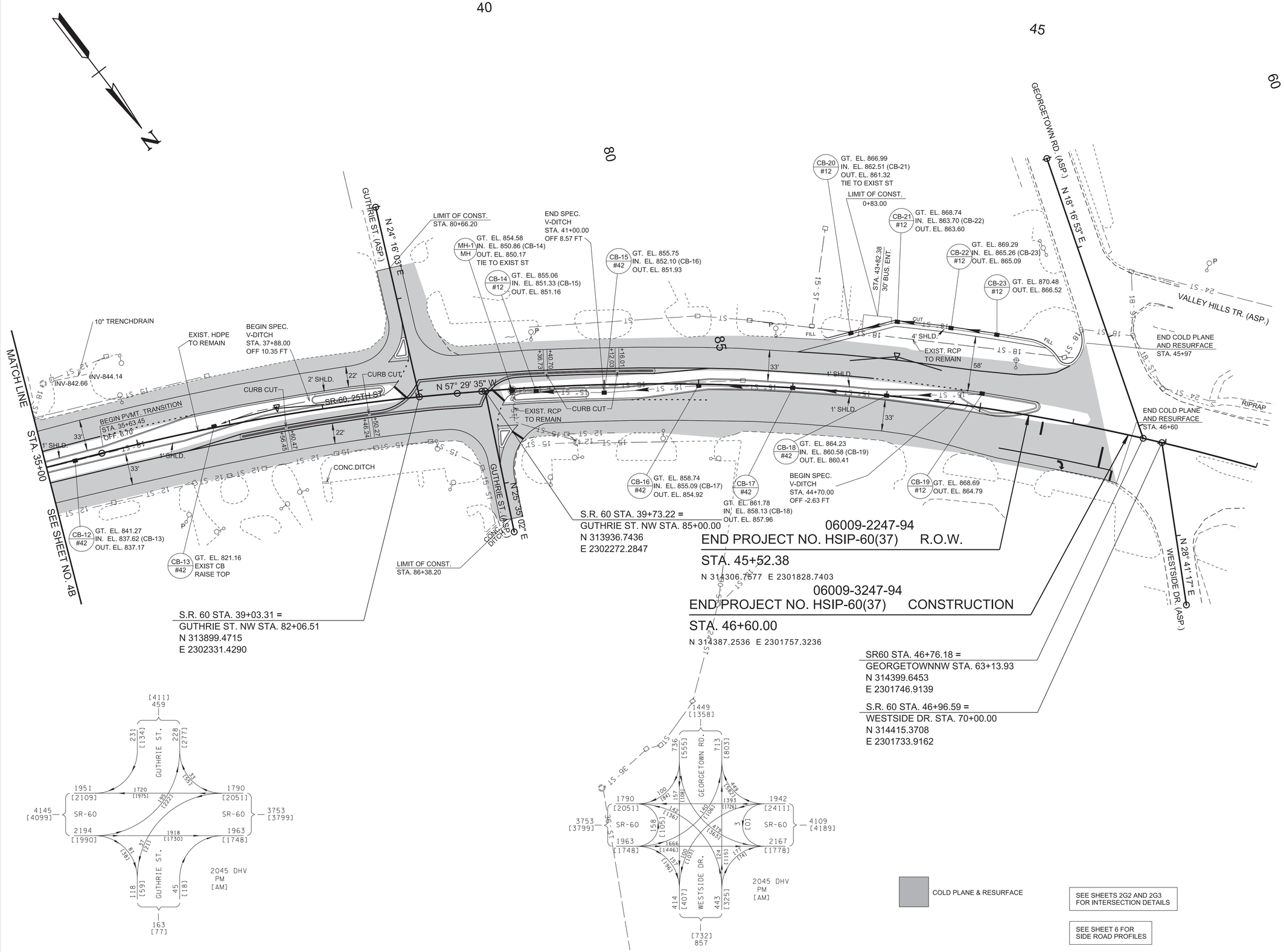
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAILS

STA. 35+00 TO STA. 46+60
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	5B
PIH	2026	HSIP-60(37)	5B
PS&E	2026	HSIP-60(37)	5B



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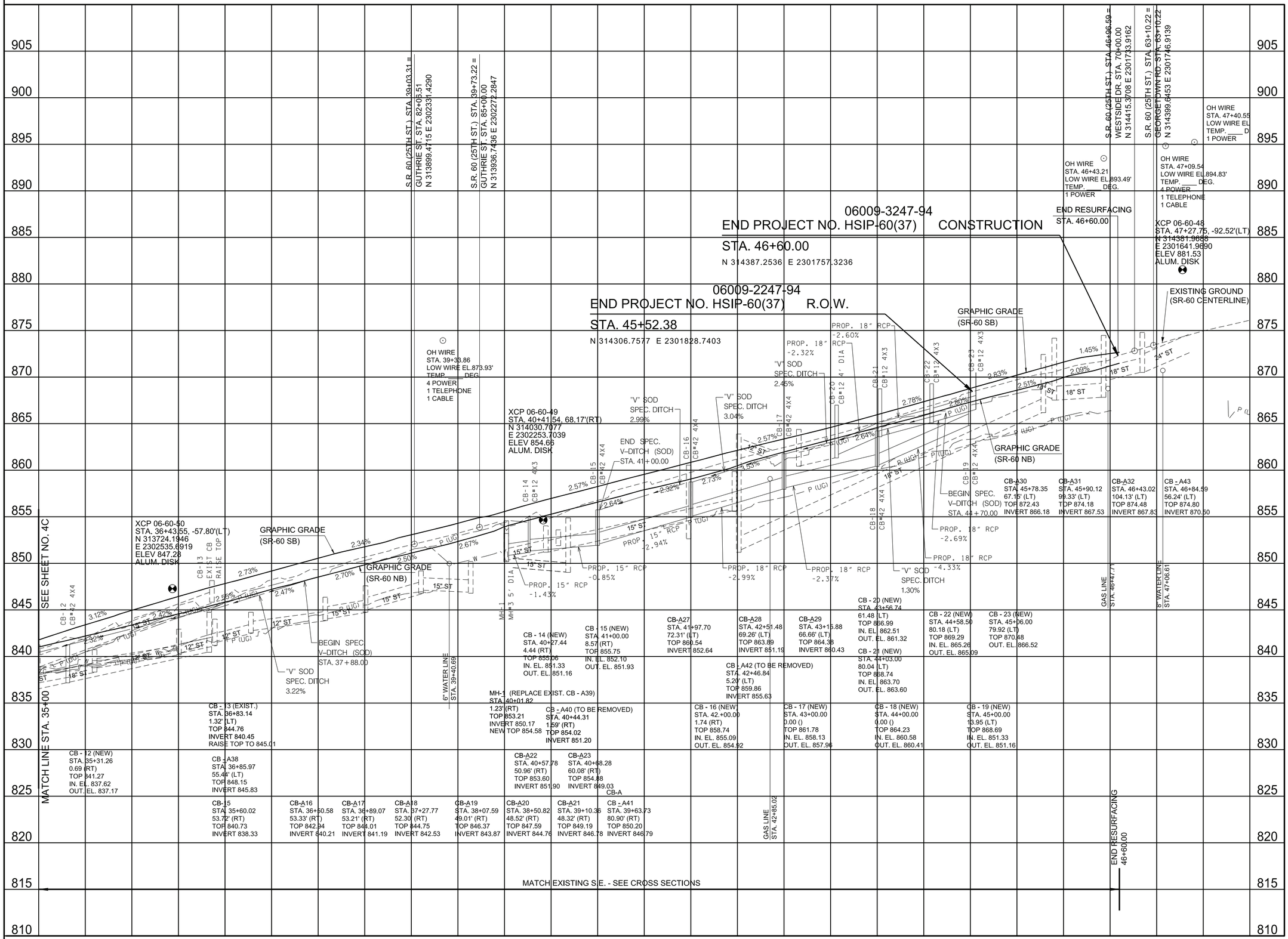
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 35+00 TO STA. 46+60
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	5C
PIH	2026	HSIP-60(37)	5C
PS&E	2026	HSIP-60(37)	5C



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JOSEPH L. DELORENZO REGISTERED ENGINEER COMMISSION NO. 00125410 STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

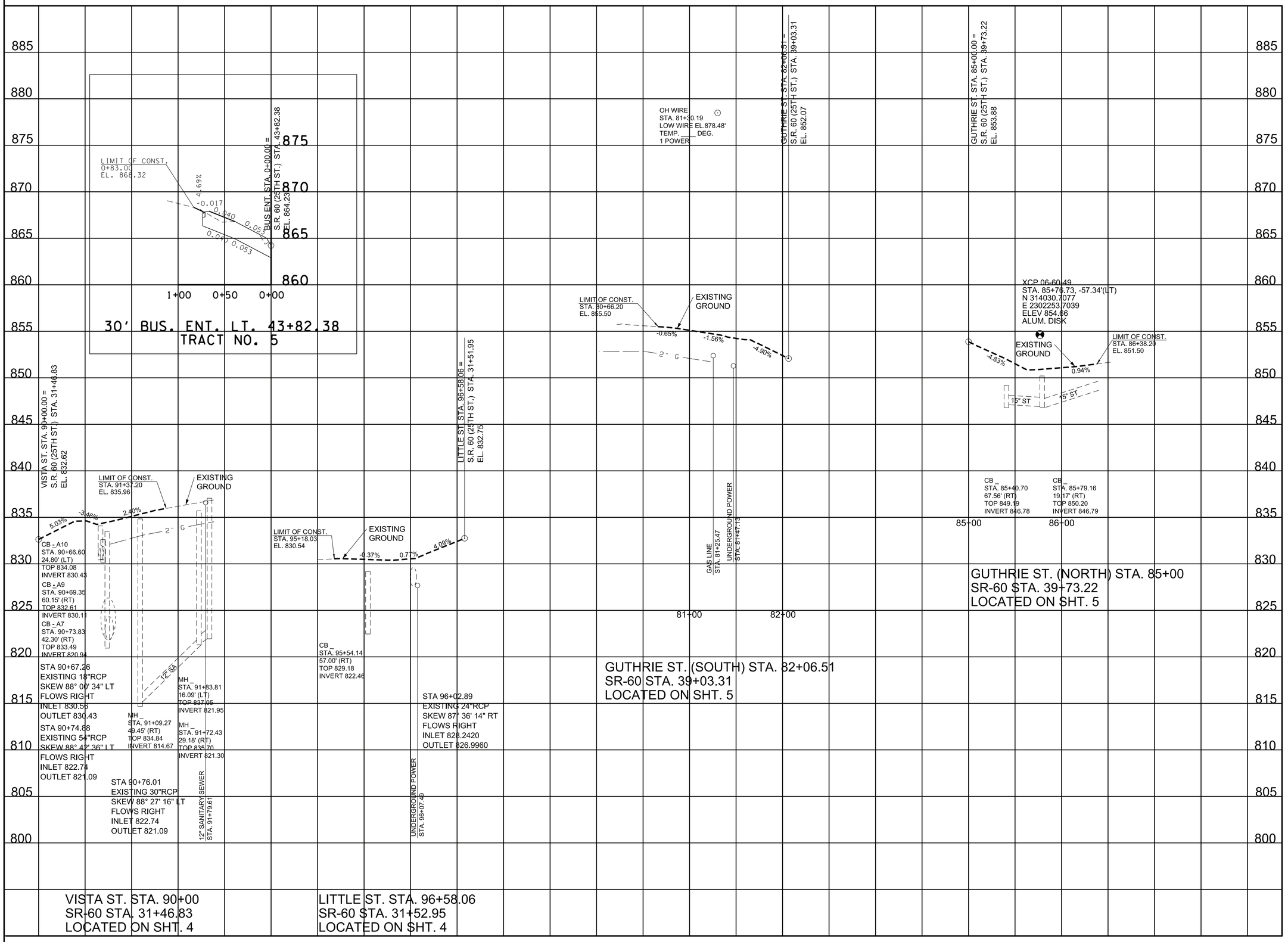
PROPOSED PROFILE

STA. 35+00 TO STA. 46+60

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	6
PIH	2026	HSIP-60(37)	6
PS&E	2026	HSIP-60(37)	6



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COMMISSION NO. 0012554.0
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD AND BUSINESS ENTRANCE PROFILES

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

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CATCH BASINS	
CODE	AREA(AC)
A1	0.18
A2	0.04
A3	0.01
A4	0.02
A5	0.01
A6	0.09
A7	0.09
A8	0.04
A9	0.10
A10	0.13
A11	0.01
A12	0.27
A13	0.20
A14	0.15

CATCH BASINS		
STATION	OFFSET	AREA(AC)
22+50	2.15	0.35
25+78	2.25	0.08
26+64	1.44	0.06
28+26	-0.06	0.08
29+82	-93.32	0.01
30+99	-106.08	0.19
32+22	11.27	0.12
33+75	-53.75	0.20
33+81	0.01	0.31

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	7
PIH	2026	HSIP-60(37)	7
PS&E	2026	HSIP-60(37)	7

25

30

35

95

90

06009-3247-94
BEGIN PROJECT NO. HSIP-60(37) CONSTRUCTION
STA. 22+40.00
N 313029.4414 E 2303731.3837

06009-2247-94
BEGIN PROJECT NO. HSIP-60(37) R.O.W.
STA. 22+78.89
N 313056.8672 E 2303703.8110

A1 TOP-825.67 INV-815.47 INV-815.42 BOT-815.42
A2 TOP-828.19 INV-816.98 INV-816.89 BOT-816.89
A3 TOP-830.05 INV-826.90 BOT-816.75
A4 TOP-830.26 INV-828.01 INV-827.96 BOT-827.96
A5 TOP-832.63 INV-829.78 BOT-829.78
A6 TOP-831.11 INV-818.21 INV-818.16 BOT-818.16
A7 TOP-833.49 INV-821.09 INV-821.09 INV-820.94 INV-820.89 BOT-820.89
A8 TOP-835.74 INV-823.39 INV-822.74 INV-822.74 BOT-822.74
A9 TOP-832.61 INV-830.56 INV-830.51 BOT-830.11
A10 TOP-834.08 INV-830.48 INV-830.43 BOT-830.43
A11 TOP-835.35 INV-831.50 INV-831.45 BOT-831.45
A12 TOP-835.82 INV-832.67 INV-832.62 BOT-832.62
A13 TOP-837.88 INV-835.62 INV-835.50 BOT-835.50
A14 TOP-839.97 INV-836.74 INV-836.65 BOT-836.65
A24 TOP-841.24 INV-838.87 INV-838.73 INV-838.35 BOT-838.35

END SPEC. V-DITCH STA. 24+00.00 OFF 2.44 FT
EX. STORM MANHOLE TOP-822.12 INV-817.97 BOT-818.03
HDPE TOP-819.39 INV-816.35 INV-816.34 BOT-816.34
HDPE
RCP TOP-822.41 INV-819.38 INV-819.26 BOT-819.26
TOP-823.14 INV-820.01 INV-819.90 BOT-819.90
TOP-826.09 INV-822.57 BOT-822.57
SR-60, 25TH ST.
18" CMP DIRECTION ONLY
CONC. CHANNEL
INV-815.34 INV-815.08 INV-815.63
T - CONC
V-SOD
CUT
FILL
END STR-1 PERM. IMPACT STA.22+95.00
BEGIN SPEC. DITCH (TRAP) STA. 22+92.00 OFF 83.1 FT
END STR-1 TEMPORARY IMPACT STA. 22+85
END SPEC. DITCH (TRAP) STA. 24+18.00 OFF 107.26 FT
BEGIN SPEC. V-DITCH STA. 24+18.00 OFF 107.26 FT
END SPEC. V-DITCH STA. 25+60 OFF 88.7 FT
TOP-823.10 FILLED IN
TOP-822.85 INV-821.44 BOT-821.44
BEGIN STR-1 PERM. IMPACT STA.25+89.00
18 FEET OF CONC. CHAN. TO REMAIN
BEGIN STR-1 TEMPORARY IMPACT STA. 25+98
TOP-823.52 INV-820.57 INV-820.55 BOT-820.37
TOP-823.83 INV-820.87 BOT-820.87
CONC.DITCH
CONC. DITCH
JUNCTION BOX
4'X4' CONC. BOX CULV. 1.00% SLOPE
INV-818.61
INV-817.96
INV-821.31
INV-823.09
INV-824.17
INV-825.04
2" TRENCH DRAIN 30"CMP
TOP-827.22 INV-821.23 INV-821.10 BOT-821.10
TOP-829.18 INV-822.53 INV-822.46 BOT-822.46
LITTLE ST. (ASP.)
LIMIT OF CONST. STA. 95+18.03
N 29° 16' 39" E
VISTA ST. (ASP.)
N 27° 23' 44" E
LIMIT OF CONST. STA. 91+37.20
S.R. 60 STA. 31+46.83 = VISTA ST. STA. 90+00.00 N 313577.5933 E 2303015.1651
END SPEC. V-DITCH STA. 32+60.00 OFF 7.93 FT
RIVERROCK
MATCH LINE STA 35+00
SEE SHEET NO. 8
TOP-836.70 INV-833.87 INV-833.79 BOT-833.79
INV-830.30
INV-828.24
24" RCP
INV-827.08
TOP-837.39 INV-834.07 BOT-834.01
N 67° 04' 00" W
18"RCP DIRECTION ONLY
TOP-834.08 INV-831.69 INV-831.64 BOT-831.64
5" ST. PIPE APPROX. AS PER 1963 CONST. PLANS
TOP-835.51 INV-825.51 BOT-825.41
S.R. 60 STA. 31+52.95 = LITTLE ST. NW STA. 96+58.06 N 313580.3183 E 2303009.6821

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JOSEPH L. DELORENZO — REGISTERED ENGINEER — NUMBER 0012543 — STATE OF TENNESSEE

07-17-26

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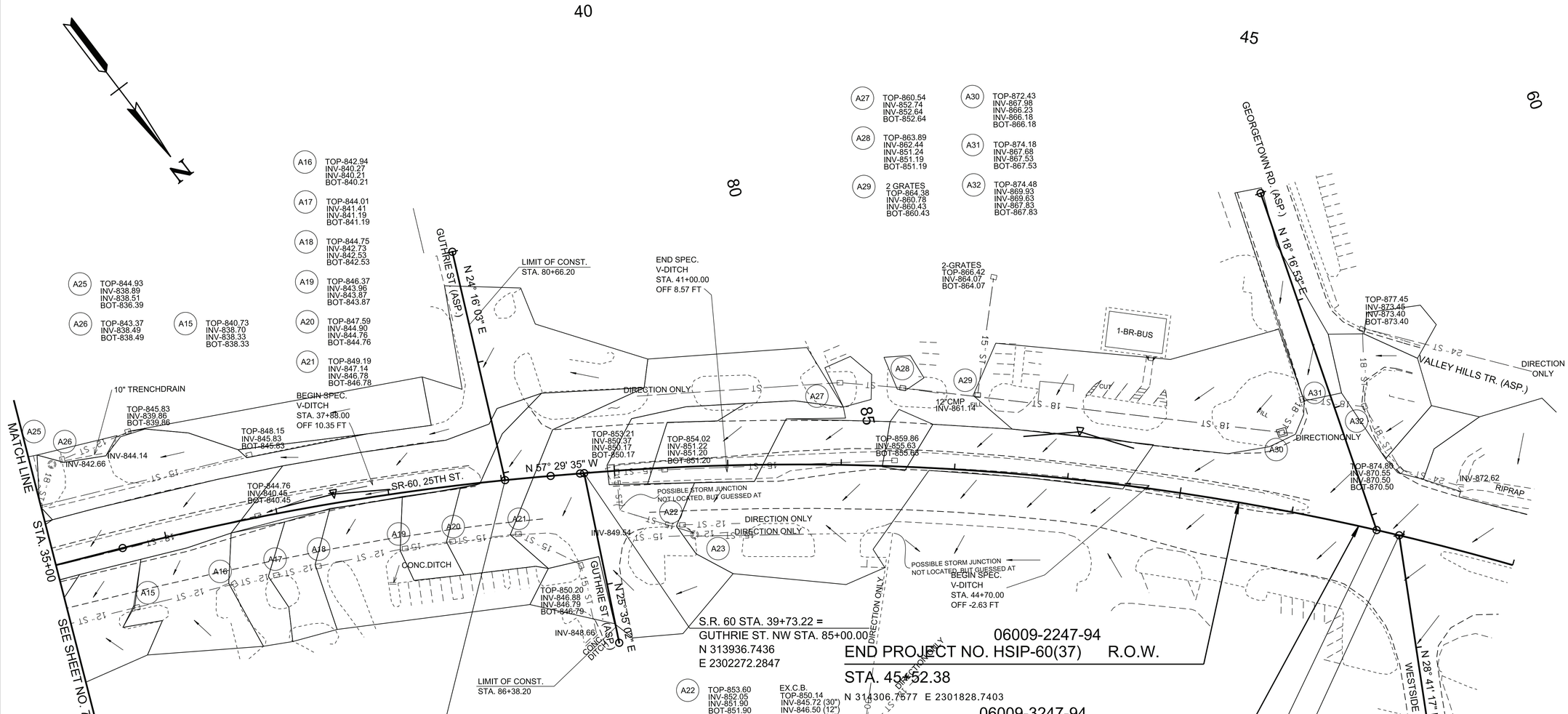
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 22+40 TO STA. 35+00
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	8
PIH	2026	HSIP-60(37)	8
PS&E	2026	HSIP-60(37)	8



CATCH BASINS	
CODE	AREA(AC)
A15	0.18
A16	0.09
A17	0.09
A18	0.27
A19	0.08
A20	0.20
A21	0.63
A22	0.66
A23	N/A
A24	0.55
A25	N/A
A26	0.02
A27	0.03
A28	0.02
A29	0.51
A30	0.001
A31	0.13
A32	0.14

CATCH BASINS		
STATION	OFFSET	AREA(AC)
35+89	-98.51	0.18
36+83	-1.32	0.23
36+86	-55.44	0.01
39+64	80.90	0.06
40+02	1.23	0.07
40+44	1.59	0.06
42+47	5.20	0.03
46+28	-170.18	0.04
46+85	-56.24	0.05

SEALED BY

JOSEPH L. DELORENZO REGISTERED ENGINEER STATE OF TENNESSEE NO 0012540

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 35+00 TO STA. 46+60
SCALE: 1"= 50'

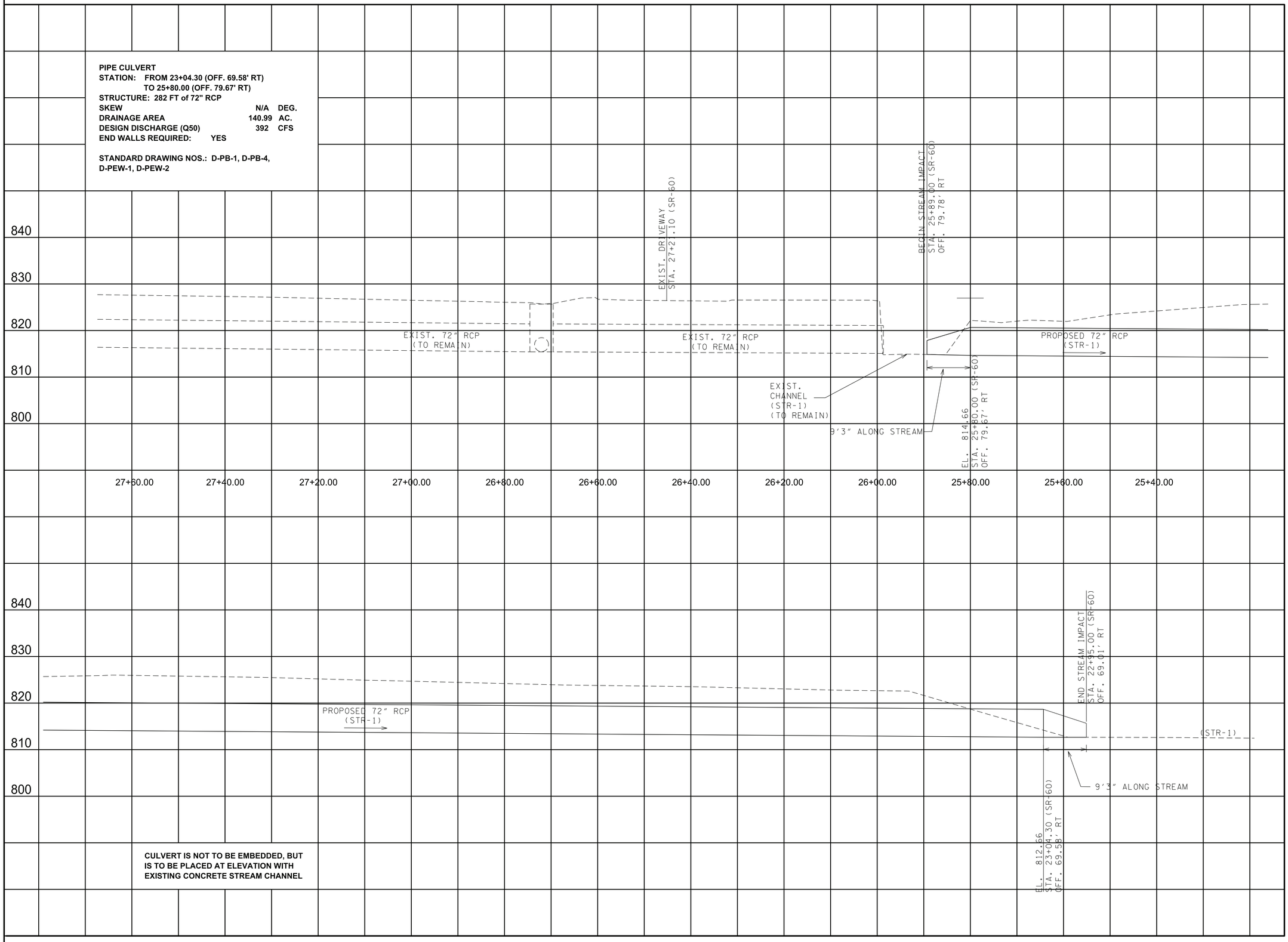
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	HSIP-60(37)	9
PS&E	2026	HSIP-60(37)	9

PIPE CULVERT
STATION: FROM 23+04.30 (OFF. 69.58' RT)
TO 25+80.00 (OFF. 79.67' RT)
STRUCTURE: 282 FT of 72" RCP

SKEW	N/A	DEG.
DRAINAGE AREA	140.99	AC.
DESIGN DISCHARGE (Q50)	392	CFS
END WALLS REQUIRED:	YES	

STANDARD DRAWING NOS.: D-PB-1, D-PB-4, D-PEW-1, D-PEW-2



CULVERT IS NOT TO BE EMBEDDED, BUT IS TO BE PLACED AT ELEVATION WITH EXISTING CONCRETE STREAM CHANNEL

SEALED BY

JOSEPH L. DELORENZO
REGISTERED ENGINEER
AGRICULTURAL
COMMISSION NO. 0101510
STATE OF TENNESSEE

07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTION

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

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EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

SEDIMENT CONTROL

INSPECTION, MAINTENANCE & REPAIR

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

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

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

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

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

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

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

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

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

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

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

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

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

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

STREAMS, WETLANDS & BUFFER ZONES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	9
PIH	2026	HSIP-60(37)	10
PS&E	2026	HSIP-60(37)	10

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07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	10
PIH	2026	HSIP-60(37)	11
PS&E	2026	HSIP-60(37)	11

TABULATED EPSC QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 06009-3247-94
(1)(2)(3)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	58
(1)	209-05	SEDIMENT REMOVAL	C.Y.	33
(1)(2)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	1085
(1)(2)	209-08.07	ROCK CHECK DAM	EACH	6
(1)(2)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	4
(1)(2)	209-08.09	FILTER SOCK CHECK DAM	EACH	1
(1)(2)	209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	9
(1)(2)	209-40.32	CATCH BASIN PROTECTION (TYPE C)	EACH	1
(1)(2)	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	34
(1)(2)	209-65.04	TEMPORARY IN STREAM DIVERSION	L.F.	321
(1)(2)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	120
(1)(2)(3)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	101
(1)(2)(3)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	172
(1)(2)	740-11.02	TEMPORARY SEDIMENT TUBE 12IN	L.F.	190
(1)(2)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	79
(1)(2)(4)	801-01.38	NATVE SEED MX FINAL STABLIZATN OF SLOPES	UNIT	2
(1)(2)	801-01.65	TEMPORARY MULCH	UNIT	79
(1)(2)	801-03	WATER (SEEDING & SODDING)	M.G.	8
(1)(2)(5)	803-01	SODDING (NEW SOD)	S.Y.	4424

FOOTNOTES

(1) ALL EPSC QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.
(2) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.
(3) TO BE USED FOR TEMPORARY CONSTRUCTION EXITS
(4) PERMANENT STABILIZATION WITH NATIVE OR NATURALIZED PERENNIAL VEGETATION IS REQUIRED IN ALL AREAS AUTHORIZED FOR TEMPORARY AND PERMANENT IMPACTS TO STREAMS AND RIPARIAN AREAS, INCLUDING ADJACENT BUFFER ZONES WITHIN 60 FEET OF THE EDGE OF WATER. THE APPROPRIATE SEED MIXTURE FOR THE REGION AND SITE CONDITIONS SHALL BE SELECTED FROM TABLE 7.9-1 (PREFERRED SEED MIXES USING NATIVES OR NATURALIZED PLANTS AND PLANTING DATES) FOUND IN CHAPTER 7.9 (PERMANENT VEGETATION) OF THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK 4TH EDITION.
(5) 402 SQ. YDS. TO BE USED FOR SODDED V-DITCH

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB SFB SFB	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
SOCK 12" SOCK 12"	12 INCH FILTER SOCK	EC-STR-8
C	CATCH BASIN PROTECTION (TYPE C)	EC-STR-19
D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
IN DIV	INSTREAM DIVERSION	EC-STR-30 EC-STR-30A
TUBE 12" TUBE 12"	12 INCH SEDIMENT TUBE	EC-STR-37
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
HVF HVF	HIGH VISIBILITY FENCE	S-F-1

STAGE I: CLEARING AND GRUBBING
1. PLACE EPSC MEASURES.
2. CLEAR AND GRUB PROJECT AREA.

STAGE II: GRADING AND DRAINAGE
1. PLACE OR ADJUST EPSC MEASURES.
2. CONSTRUCT DRAINAGE AND PERFORM GRADING.

STAGE III: FINAL STABILIZATION AND PAVING
1. PLACE OR ADJUST EPSC MEASURES.
2. PERFORM FINAL STABILIZATION, CONSTRUCT CURBS, AND PAVE.
3. REMOVE EPSC MEASURES.

SEALED BY

JOSEPH L. DELORENZO REGISTERED ENGINEER COMMERCE NO 0012540 STATE OF TENNESSEE

07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) LEGEND & TABULATION

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OUTFALL	AREA(AC)	SLOPE	STATION	OFFSET
1	0.38	0.01	22+50	2.20'
2	1.75	0.02	22+58	-55.0'
3	0.13	0.07	25+99	96.0'
4	0.13	0.06	25+88	68.0'
5	0.11	0.01	25+78	2.3'
6	0.19	0.02	26+64	1.5'
7	0.35	0.04	26+69	77.7'
8	0.35	0.05	28+26	0.0'
9	0.14	0.01	32+22	11.2'
10	0.40	0.03	32+40	60.4'
11	0.26	0.03	33+81	0.0'
12	0.23	0.02	33+91	52.8'
13	0.18	0.01	34+79	52.9'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	11
PIH	2026	HSIP-60(37)	12
PS&E	2026	HSIP-60(37)	12

25

30

35

95

06009-3247-94
BEGIN PROJECT NO. HSIP-60(37) CONSTRUCTION
STA. 22+40.00
N 313029.4414 E 2303731.3837

06009-2247-94
BEGIN PROJECT NO. HSIP-60(37) R.O.W.
STA. 22+78.89
N 313056.8672 E 2303703.8110

OUT - 1
OUT - 2
OUT - 3
OUT - 4
OUT - 5
OUT - 6
OUT - 7
OUT - 8
OUT - 9
OUT - 10
OUT - 11
OUT - 12
OUT - 13

CREPE MYRTLE (TYP)
CONC DITCH
PROP. ROW
SOCK 12"
TCE
GRASS
SR-60 25TH ST
4'X4' CONC BOX CULV
1.00% SLOPE
LITTLE ST. (ASP.)
N 29° 16' 39" E
LIMIT OF CONST.
STA. 95+18.03
MATCH LINE
STA. 35+00
SEE SHEET NO. 11A
N 67° 04' 00" W
VISTA ST. (ASP.)
N 27° 23' 44" E
FLAG
MULCH
BEGIN LIMIT OF EPSC DISTURBANCE
STA. 22+86.79
TOP-823.52
INV-820.57
INV-820.55
BOT-820.37
TOP-823.83
INV-820.87
BOT-820.87
S.R. 60 STA. 31+46.83 =
VISTA ST. STA. 90+00.00
N 313577.5933
E 2303015.1651
LIMIT OF CONST.
STA. 91+37.20
S.R. 60 STA. 31+52.95 =
LITTLE ST. NW STA. 96+58.06
N 313580.3183
E 2303009.6821

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JOSEPH L. DELOREZO
REGISTERED ENGINEER
No. 109154
STATE OF TENNESSEE
07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 22+40 TO STA.35+00

SCALE: 1"=50'

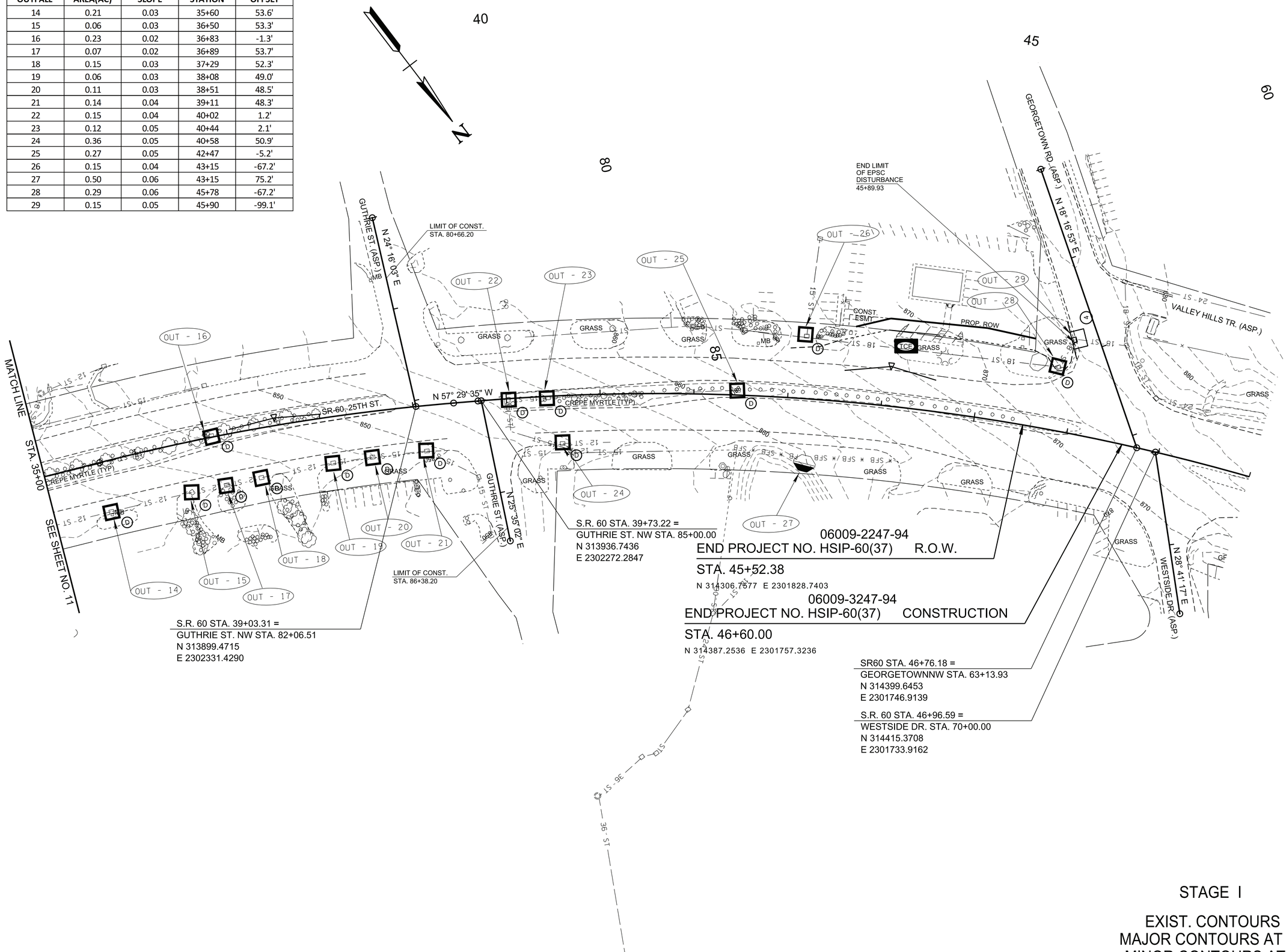
STAGE I

EXIST. CONTOURS
MAJOR CONTOURS AT 10'
MINOR CONTOURS AT 2'

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OUTFALL	AREA(AC)	SLOPE	STATION	OFFSET
14	0.21	0.03	35+60	53.6'
15	0.06	0.03	36+50	53.3'
16	0.23	0.02	36+83	-1.3'
17	0.07	0.02	36+89	53.7'
18	0.15	0.03	37+29	52.3'
19	0.06	0.03	38+08	49.0'
20	0.11	0.03	38+51	48.5'
21	0.14	0.04	39+11	48.3'
22	0.15	0.04	40+02	1.2'
23	0.12	0.05	40+44	2.1'
24	0.36	0.05	40+58	50.9'
25	0.27	0.05	42+47	-5.2'
26	0.15	0.04	43+15	-67.2'
27	0.50	0.06	43+15	75.2'
28	0.29	0.06	45+78	-67.2'
29	0.15	0.05	45+90	-99.1'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	11A
PIH	2026	HSIP-60(37)	12A
PS&E	2026	HSIP-60(37)	12A



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 35+00 TO STA. 46+60

SCALE: 1"=50'

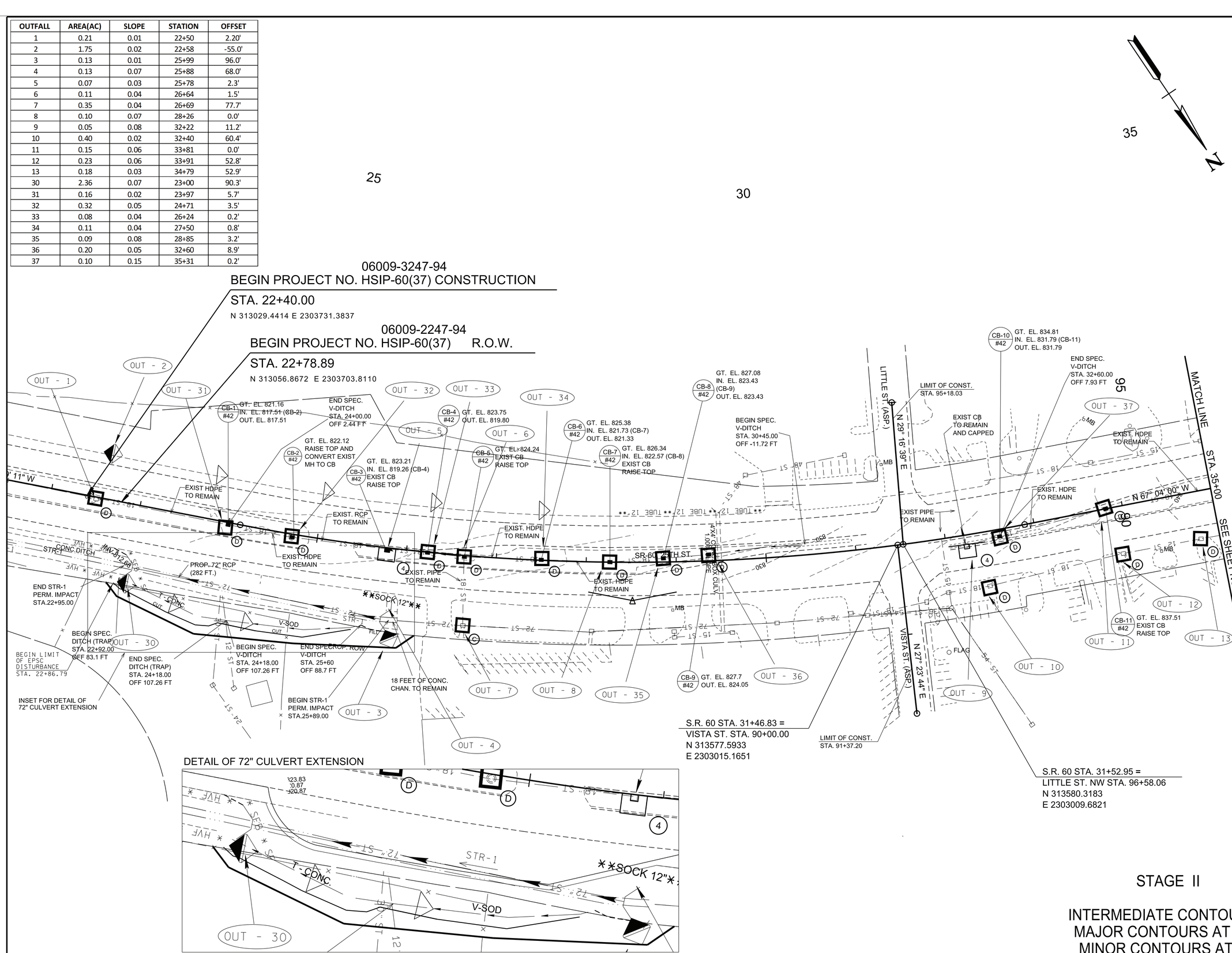
STAGE I

EXIST. CONTOURS
MAJOR CONTOURS AT 10'
MINOR CONTOURS AT 2'

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OUTFALL	AREA(AC)	SLOPE	STATION	OFFSET
1	0.21	0.01	22+50	2.20'
2	1.75	0.02	22+58	-55.0'
3	0.13	0.01	25+99	96.0'
4	0.13	0.07	25+88	68.0'
5	0.07	0.03	25+78	2.3'
6	0.11	0.04	26+64	1.5'
7	0.35	0.04	26+69	77.7'
8	0.10	0.07	28+26	0.0'
9	0.05	0.08	32+22	11.2'
10	0.40	0.02	32+40	60.4'
11	0.15	0.06	33+81	0.0'
12	0.23	0.06	33+91	52.8'
13	0.18	0.03	34+79	52.9'
30	2.36	0.07	23+00	90.3'
31	0.16	0.02	23+97	5.7'
32	0.32	0.05	24+71	3.5'
33	0.08	0.04	26+24	0.2'
34	0.11	0.04	27+50	0.8'
35	0.09	0.08	28+85	3.2'
36	0.20	0.05	32+60	8.9'
37	0.10	0.15	35+31	0.2'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	12
PIH	2026	HSIP-60(37)	13
PS&E	2026	HSIP-60(37)	13



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JOSEPH L. DELORENZO
REGISTERED ENGINEER
NUMBER
NO. 0012540
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 22+40 TO STA.35+00

SCALE: 1"=50'

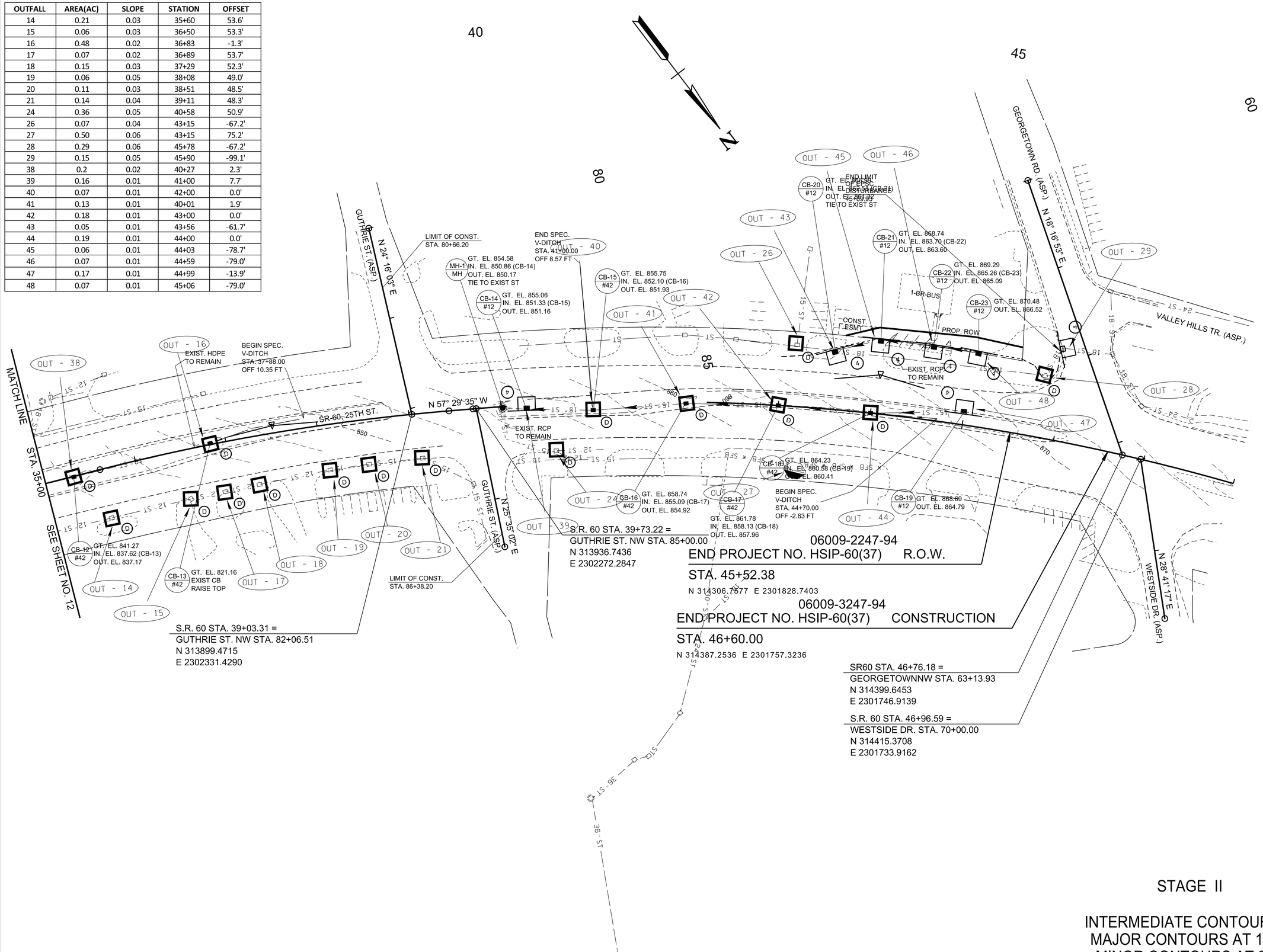
STAGE II

INTERMEDIATE CONTOURS
MAJOR CONTOURS AT 10'
MINOR CONTOURS AT 2'

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OUTFALL	AREA(AC)	SLOPE	STATION	OFFSET
14	0.21	0.03	35+60	53.6'
15	0.06	0.03	36+50	53.3'
16	0.48	0.02	36+83	-1.3'
17	0.07	0.02	36+89	53.7'
18	0.15	0.03	37+29	52.3'
19	0.06	0.05	38+08	49.0'
20	0.11	0.03	38+51	48.5'
21	0.14	0.04	39+11	48.3'
24	0.36	0.05	40+58	50.9'
26	0.07	0.04	43+15	-67.2'
27	0.50	0.06	43+15	75.2'
28	0.29	0.06	45+78	-67.2'
29	0.15	0.05	45+90	-99.1'
38	0.2	0.02	40+27	2.3'
39	0.16	0.01	41+00	7.7'
40	0.07	0.01	42+00	0.0'
41	0.13	0.01	40+01	1.9'
42	0.18	0.01	43+00	0.0'
43	0.05	0.01	43+56	-61.7'
44	0.19	0.01	44+00	0.0'
45	0.06	0.01	44+03	-78.7'
46	0.07	0.01	44+59	-79.0'
47	0.17	0.01	44+99	-13.9'
48	0.07	0.01	45+06	-79.0'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	12A
PIH	2026	HSIP-60(37)	13A
PS&E	2026	HSIP-60(37)	13A



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 35+00 TO STA.46+60

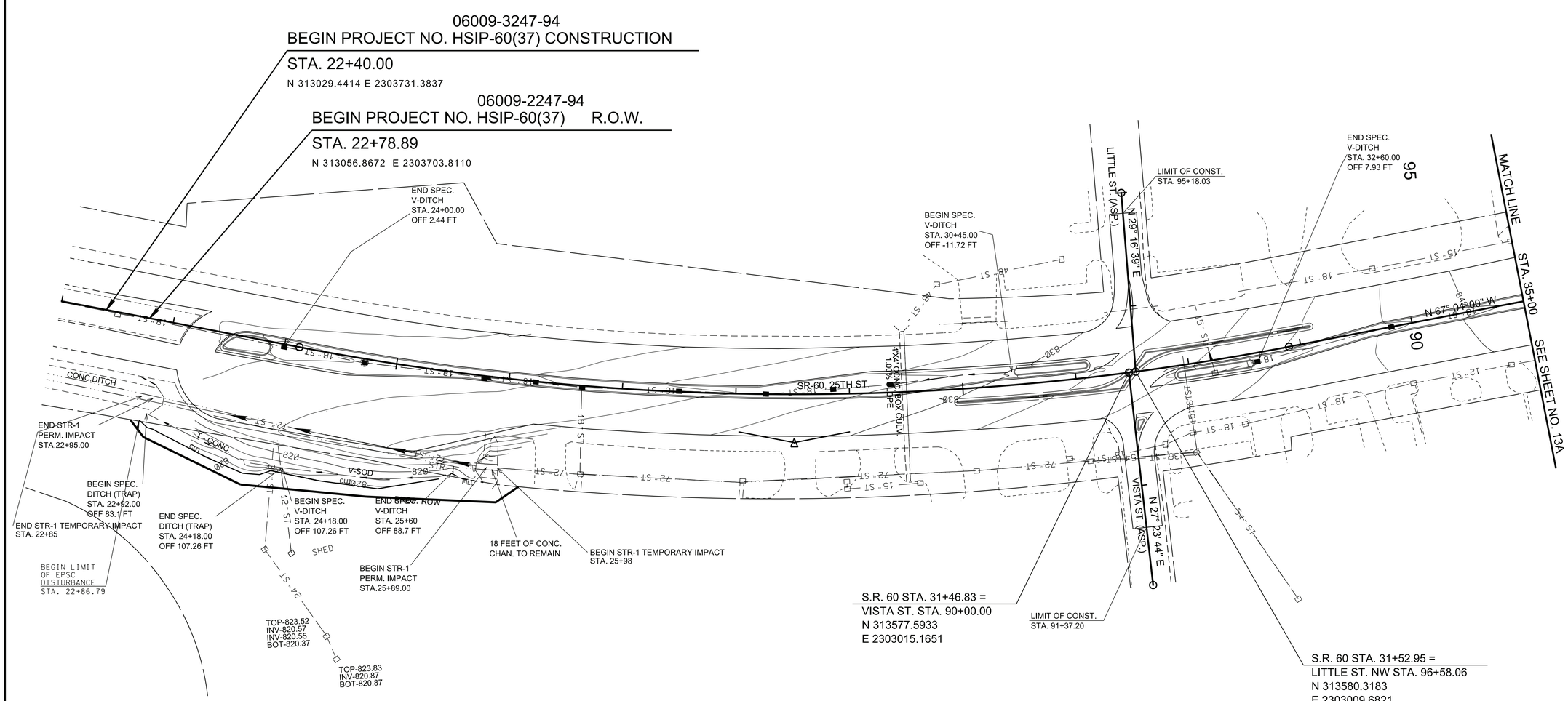
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STAGE II

INTERMEDIATE CONTOURS
MAJOR CONTOURS AT 10'
MINOR CONTOURS AT 2'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	13
PIH	2026	HSIP-60(37)	14
PS&E	2026	HSIP-60(37)	14



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REGISTERED ENGINEER
AGENT OF RECORD
COMMISSION NO. 0012540
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

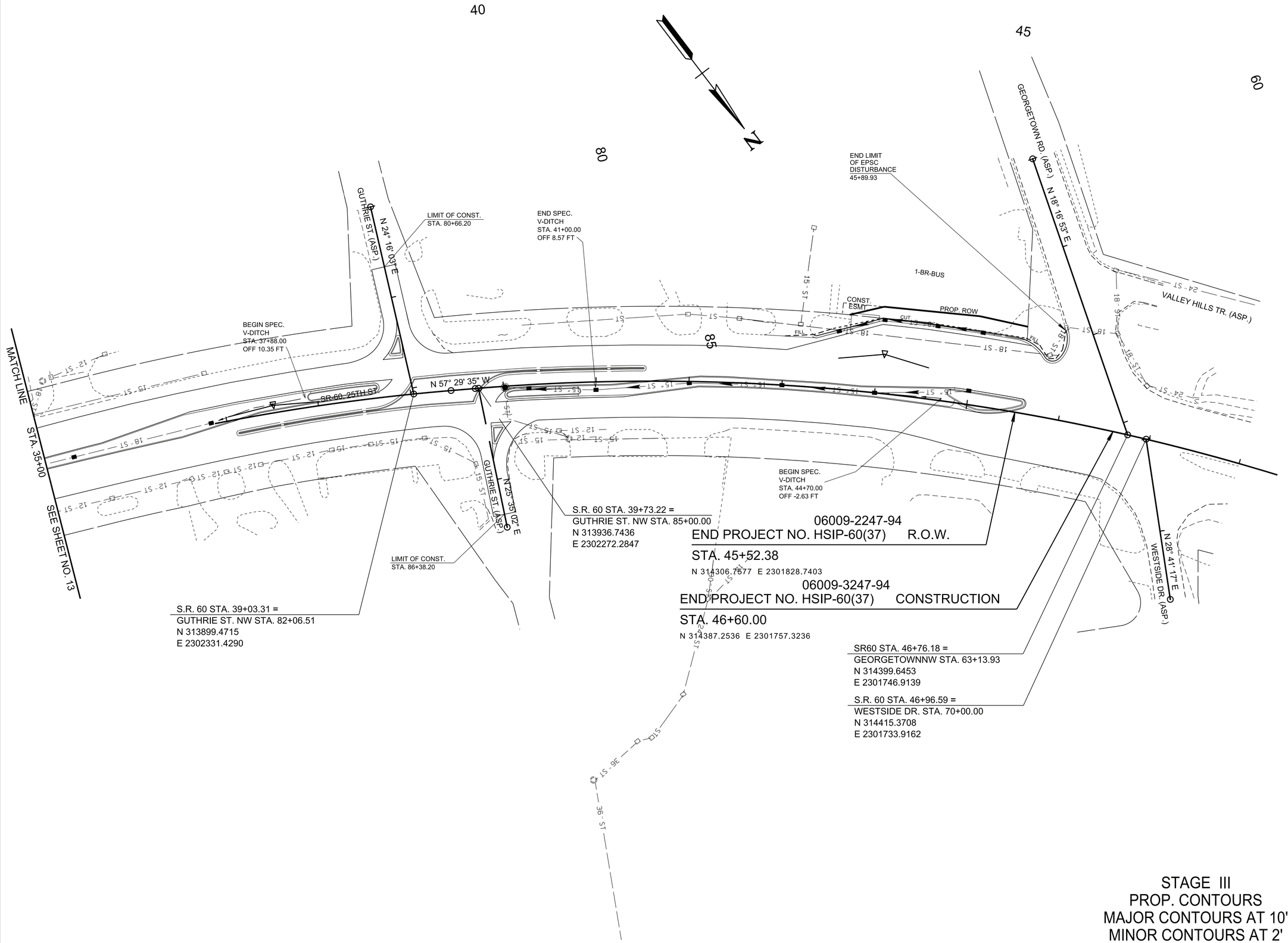
STA. 22+40 TO STA.35+00

SCALE: 1"=50'

STAGE III
PROP. CONTOURS
MAJOR CONTOURS AT 10'
MINOR CONTOURS AT 2'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	13A
PIH	2026	HSIP-60(37)	14A
PS&E	2026	HSIP-60(37)	14A



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

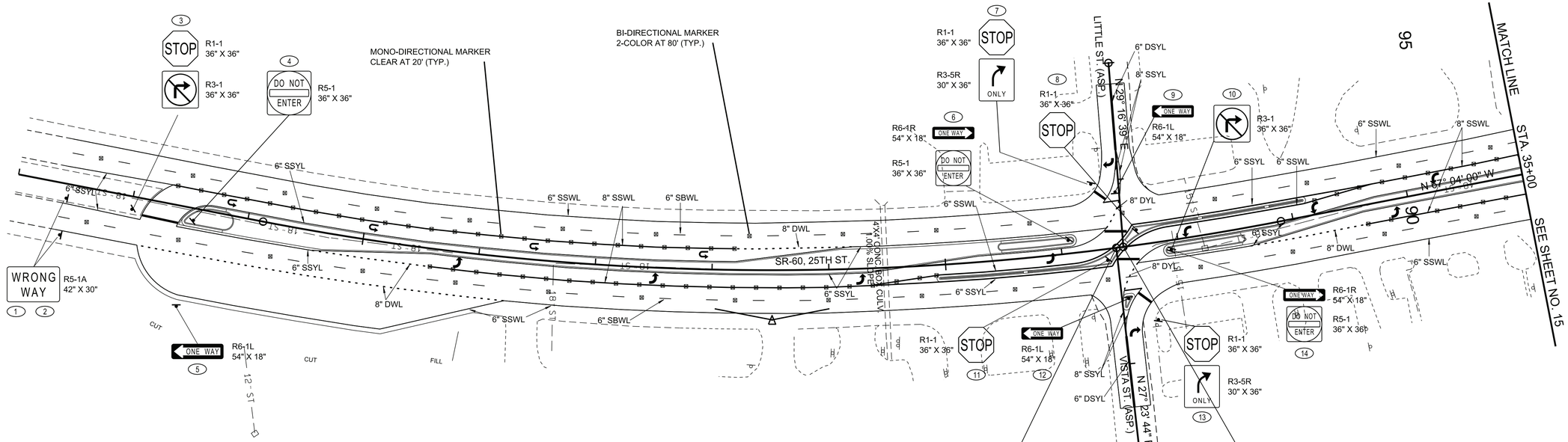
STA. 35+00 TO STA. 46+60

SCALE: 1"=50'

STAGE III
PROP. CONTOURS
MAJOR CONTOURS AT 10'
MINOR CONTOURS AT 2'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	14
PIH	2026	HSIP-60(37)	15
PS&E	2026	HSIP-60(37)	15



S.R. 60 STA. 31+46.83 =
VISTA ST. STA. 90+00.00
N 313577.5933
E 2303015.1651

S.R. 60 STA. 31+52.95 =
LITTLE ST. NW STA. 96+58.06
N 313580.3183
E 2303009.6821

PAVEMENT MARKING ABBREVIATIONS
SSWL - SINGLE SOLID WHITE LINE
SSYL - SINGLE SOLID YELLOW LINE
SBWL - SINGLE BROKEN WHITE LINE
DSYL - DOUBLE SOLID YELLOW LINE
DWL - DOTTED WHITE LINE
DYL - DOTTED YELLOW LINE

SEALED BY

JOSEPH L. DELORENZO
REGISTERED ENGINEER
No. 0015540
STATE OF TENNESSEE

07-17-26

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

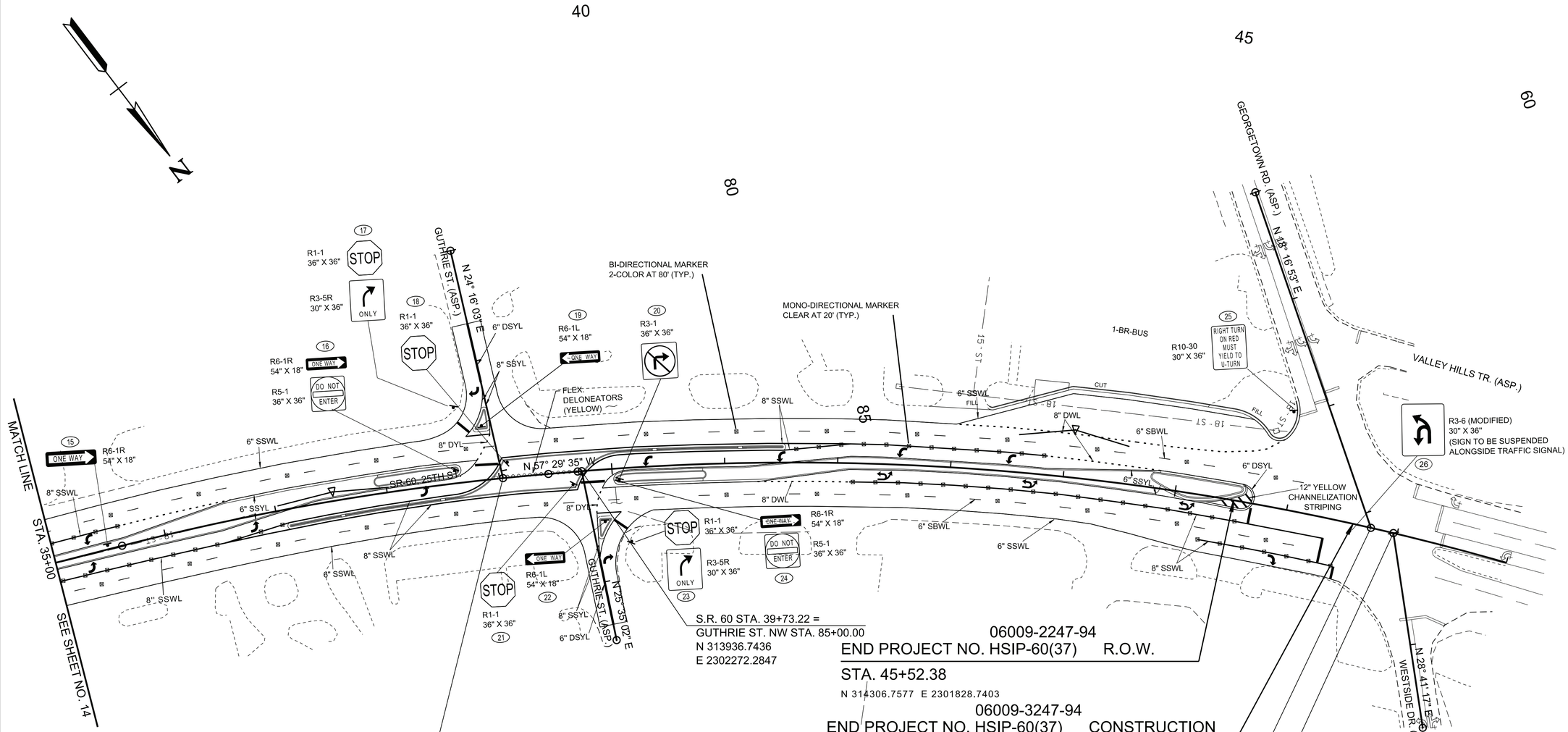
SIGNING AND PAVEMENT MARKING PLAN

STA. 22+40 TO STA. 35+00

SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	HSIP-60(37)	15
PIH	2026	HSIP-60(37)	16
PS&E	2026	HSIP-60(37)	16



PAVEMENT MARKING ABBREVIATIONS
SSWL - SINGLE SOLID WHITE LINE
SSYL - SINGLE SOLID YELLOW LINE
SBWL - SINGLE BROKEN WHITE LINE
DSYL - DOUBLE SOLID YELLOW LINE
DWL - DOTTED WHITE LINE
DYL - DOTTED YELLOW LINE

SEALED BY

JOSEPH L. DELORENZO
REGISTERED ENGINEER
COMMERCE
NO. 0012540
STATE OF TENNESSEE

07-17-26

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 35+00 TO STA. 46+60

SCALE: 1"=50'

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

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)

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	HSIP-60(37)	17
PS&E	2026	HSIP-60(37)	17

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN STEEL LBS.		
1	WRONG WAY R5-1A 42" X 30"	1	42"	30"									WHITE (REF.)	RED (REF.)	1.000" SHEET ALUMINIM	2 - P2	H=12'- 0"				5'	
2																	H=12'- 0"					
3	STOP R1-1 36" X 36"	1	36"	36"									WHITE (REF.)	RED (REF.)	1.000" SHEET ALUMINIM	2 - P5	H=15'- 9"				5'	
	R3-1 36" X 36"		36"	36"								BLACK	RED (REF.)	WHITE (REF.)	1.000" SHEET ALUMINIM		H=15'- 9"					
4	DO NOT ENTER R5-1 36" X 36"	1	36"	36"									RED (REF.)	WHITE (REF.)	1.000" SHEET ALUMINIM	P5	H=12'- 6"				5'	
5,9,12	ONE WAY R6-1L 54" X 18"	1	54"	18"								WHITE (REF.)	BLACK	BLACK	0.080" SHEET ALUMINIM	P2	H=11'- 0"				5'	
19, 22		2																				
7, 13	STOP R1-1 36" X 36"	1	36"	36"									WHITE (REF.)	RED (REF.)	1.000" SHEET ALUMINIM	2 - P5	H=15'- 9"				5'	
17, 23	ONLY R3-5R 36" X 36"	2	36"	36"								BLACK	BLACK	WHITE (REF.)	1.000" SHEET ALUMINIM		H=15'- 9"					
6, 14	ONE WAY R6-1R 54" X 18"	1	54"	18"								WHITE (REF.)	BLACK	WHITE (REF.)	0.080" SHEET ALUMINIM	P5	H=14'- 3"				5'	
16, 24	DO NOT ENTER R5-1 36" X 36"	2	36"	36"									RED (REF.)	WHITE (REF.)	1.000" SHEET ALUMINIM							
8,11	STOP R1-1 36" X 36"	1	36"	36"									WHITE (REF.)	RED (REF.)	1.000" SHEET ALUMINIM	P5	H=12'- 6"				5'	
18, 21		2																				
10	R3-1 36" X 36"	1	36"	36"								BLACK	RED (REF.)	WHITE (REF.)	1.000" SHEET ALUMINIM	P5	H=12'- 6"				5'	
20		2																				
15	ONE WAY R6-1R 54" X 18"	2	54"	18"								WHITE (REF.)	BLACK	BLACK	0.080" SHEET ALUMINIM	P2	H= 11'- 0"				5'	
25	RIGHT TURN ON RED MUST YIELD TO U-TURN R10-30 30" X 36"	2	30"	36"									BLACK	WHITE (REF.)	1.000" SHEET ALUMINIM							TO BE SUSPENDED NEXT TO THE TRAFFIC SIGNAL
26	R3-6 (MODIFIED) 30" X 36"	2	30"	36"								BLACK	BLACK	WHITE (REF.)	1.000" SHEET ALUMINIM							TO BE SUSPENDED NEXT TO THE TRAFFIC SIGNAL

SEALED BY

JOSEPH L. DELORENZO REGISTERED ENGINEER AGENCY NO 0012540 STATE OF TENNESSEE

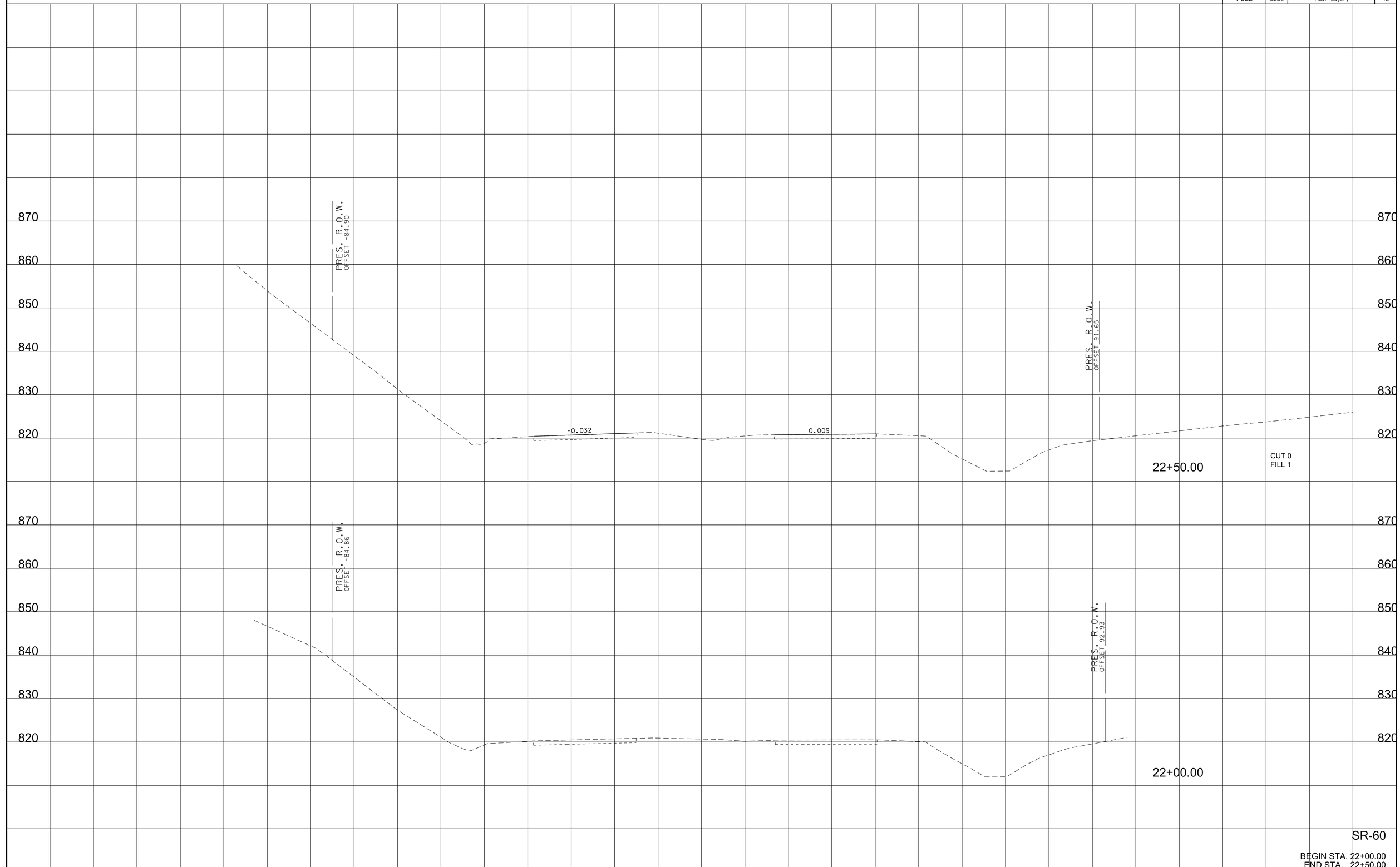
07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

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FUNC.	2024	HSIP-60(37)	17
PS&E	2026	HSIP-60(37)	18

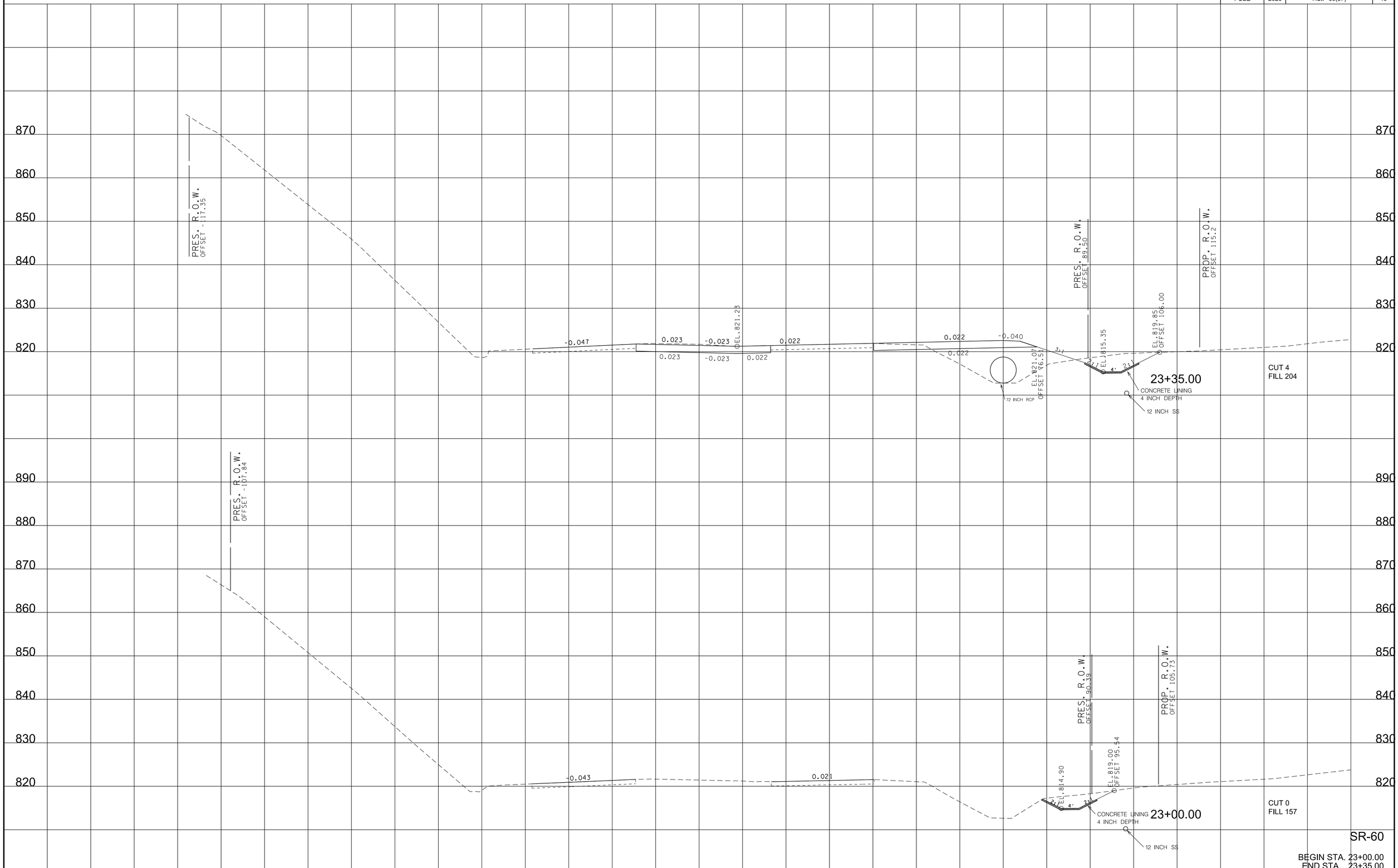


SR-60

BEGIN STA. 22+00.00
END STA. 22+50.00

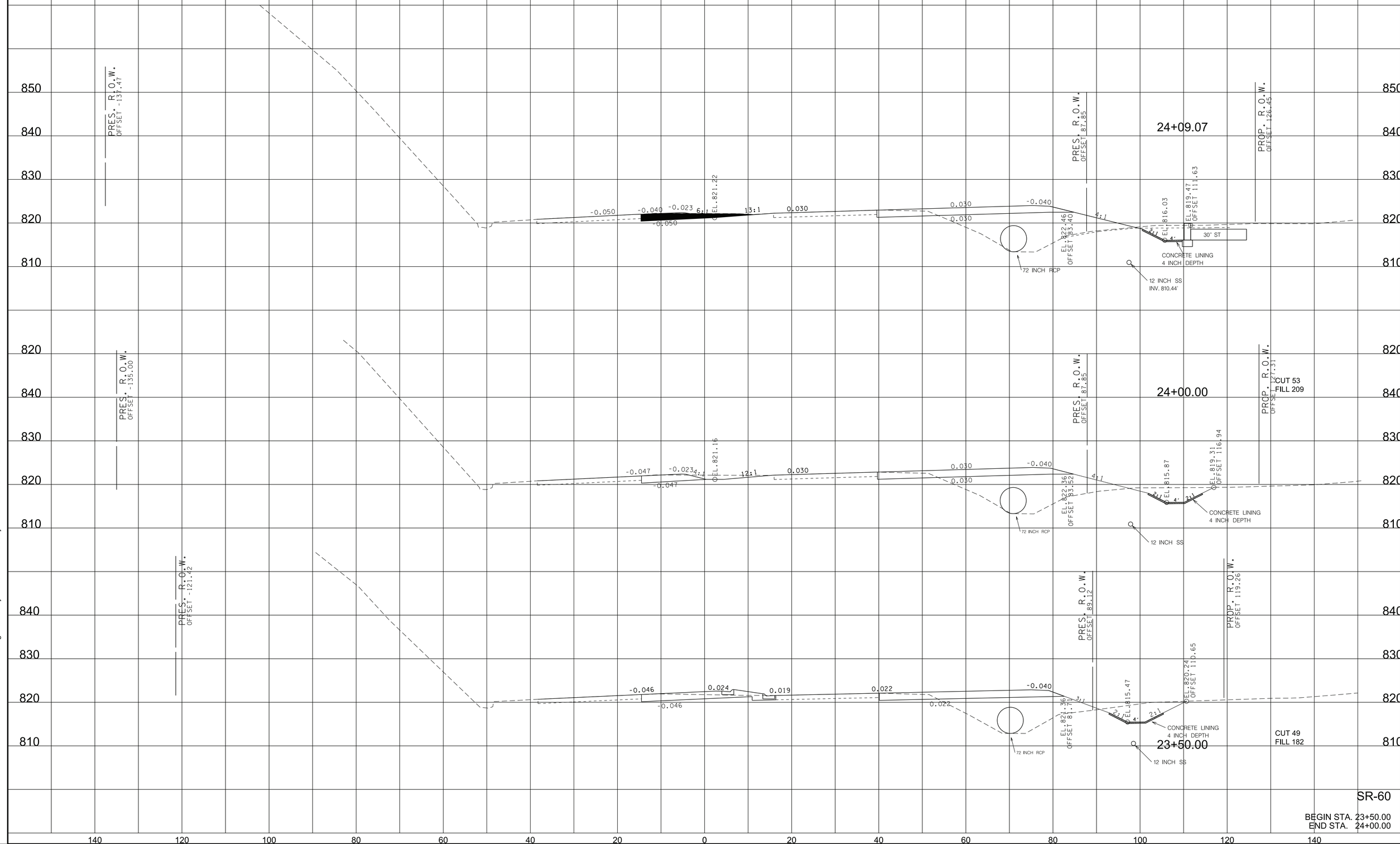
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FUNC.	2024	HSIP-60(37)	18
PS&E	2026	HSIP-60(37)	19



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FUNC.	2024	HSIP-60(37)	19
PS&E	2026	HSIP-60(37)	20

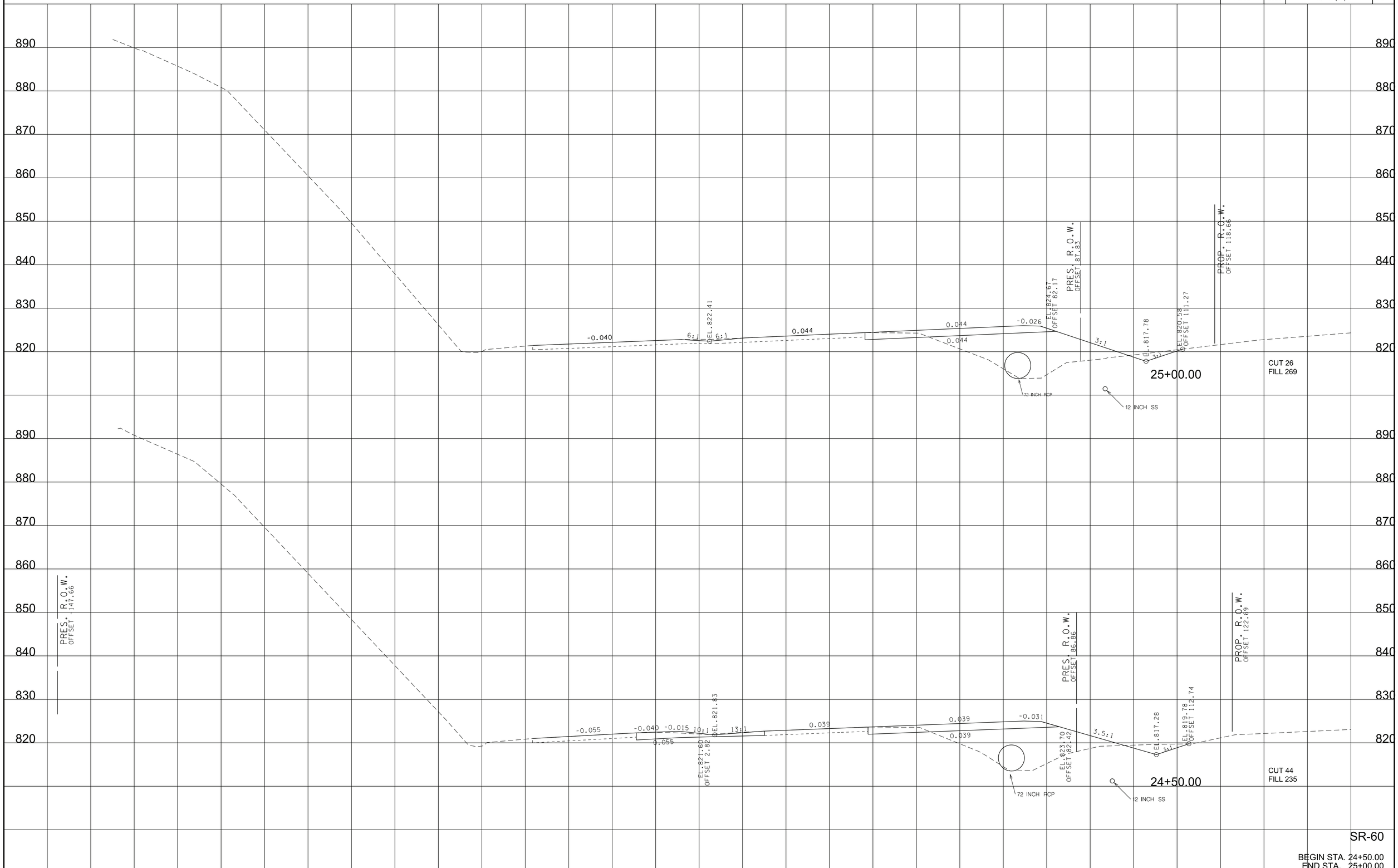


SR-60

BEGIN STA. 23+50.00
END STA. 24+00.00

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FUNC.	2024	HSIP-60(37)	20
PS&E	2026	HSIP-60(37)	21



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FUNC.	2024	HSIP-60(37)	21
PS&E	2026	HSIP-60(37)	22

910 900 890 880 870 860 850 840 830 820

PRES. R.O.W.
OFFSET -116.94

-0.056 0.014 23:1 0.058 2:1 0.058 0.058 0.058 0.009 0.058

EL. 823.47

EL. 826.20
OFFSET 51.32

PRES. R.O.W.
OFFSET 93.74

PROP. R.O.W.
OFFSET 109.49

26+00.00

CUT 44
FILL 0

910 900 890 880 870 860 850 840 830 820

PRES. R.O.W.
OFFSET -149.65

-0.048 0.012 24:1 12:1 0.055 0.055 0.055 -0.015 3:1

EL. 822.92

EL. 825.25
OFFSET 72.07

72 INCH RCP

EL. 818.28
OFFSET 95.02

12 INCH SS

PRES. R.O.W.
OFFSET -90.78

PROP. R.O.W.
OFFSET 113.50

25+50.00

CUT 43
FILL 214

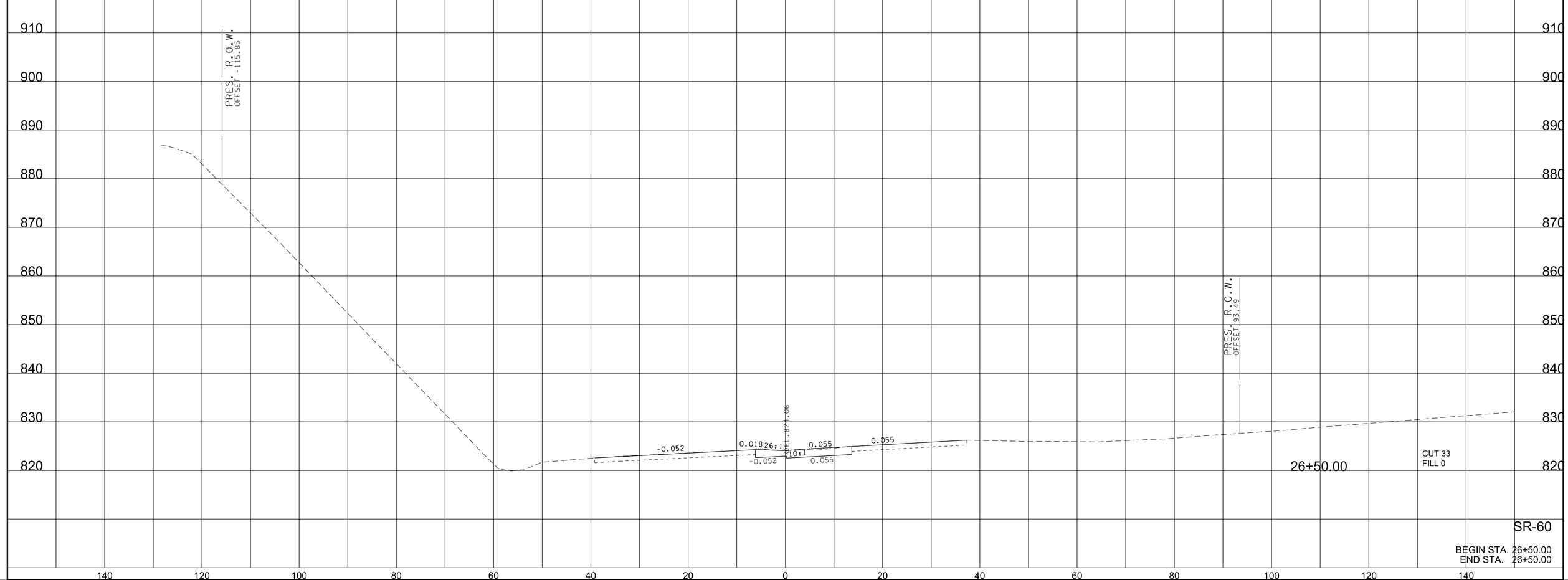
SR-60

BEGIN STA. 25+50.00
END STA. 26+00.00

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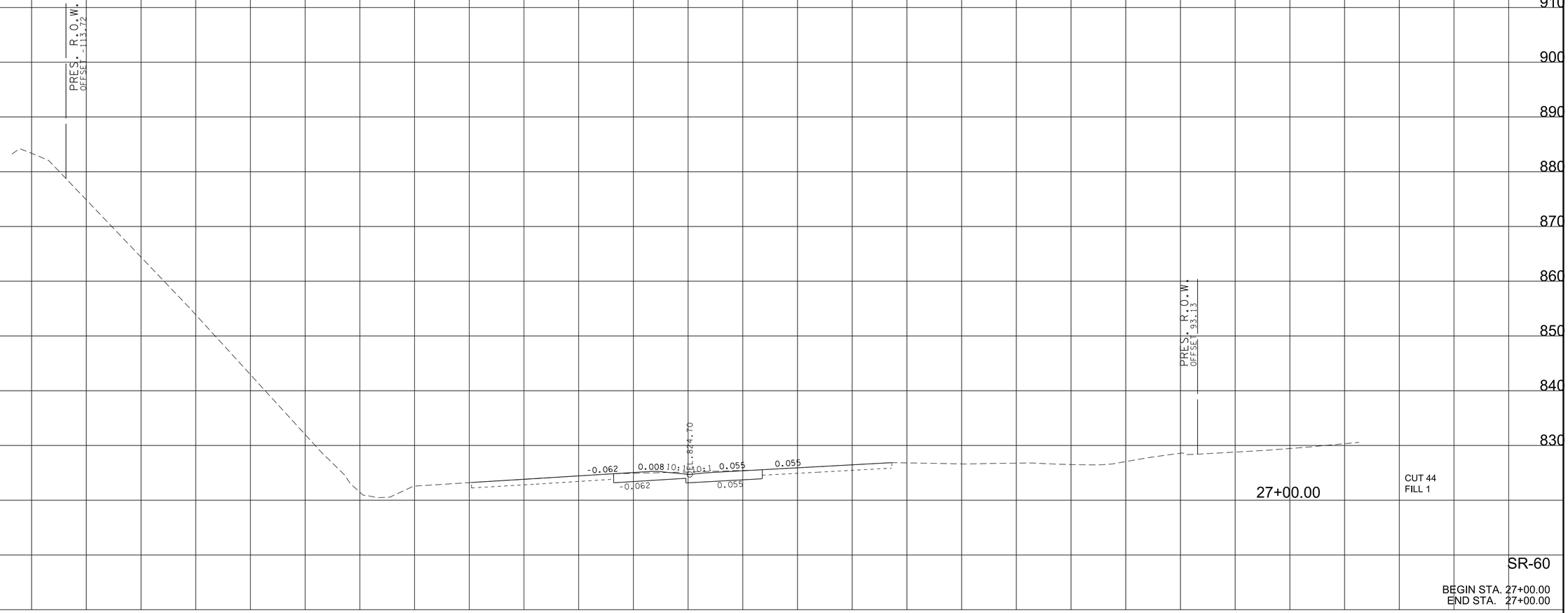
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FUNC.	2024	HSIP-60(37)	22
PS&E	2026	HSIP-60(37)	23



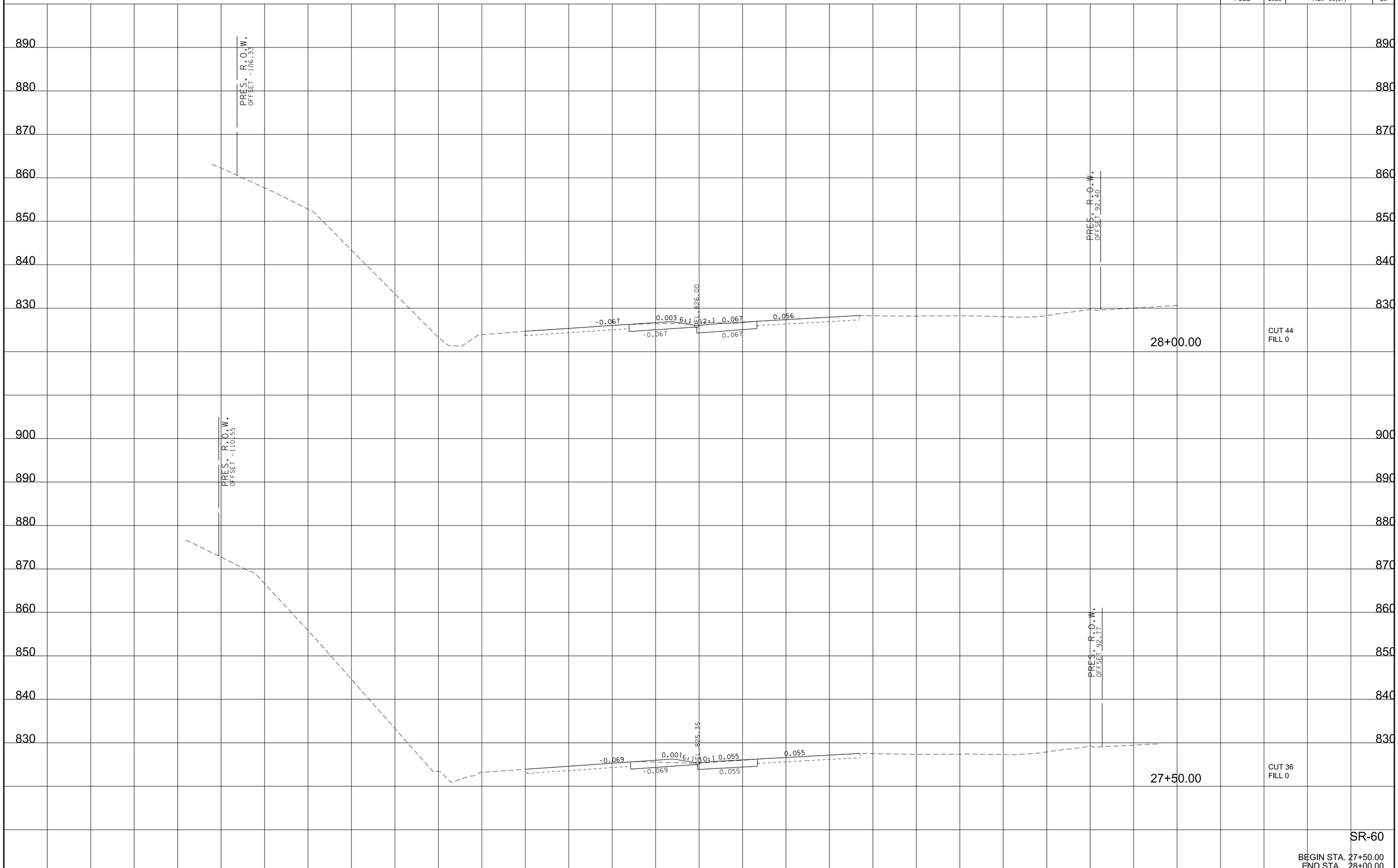
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FUNC.	2024	HSIP-60(37)	23
PS&E	2026	HSIP-60(37)	24



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FUNC.	2024	HSIP-60(37)	24
PS&E	2026	HSIP-60(37)	25

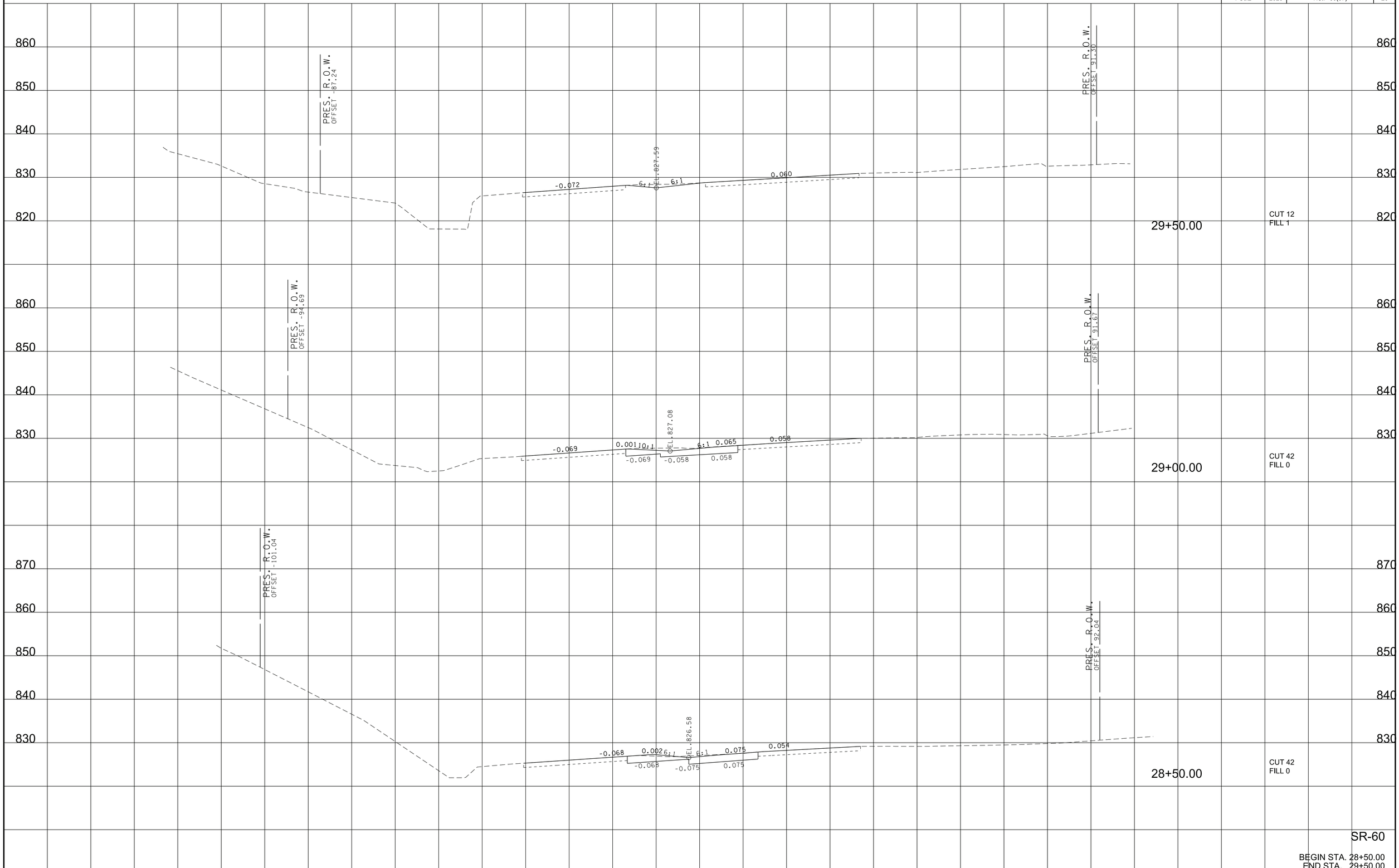


SR-60

BEGIN STA. 27+50.00
END STA. 28+00.00

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FUNC.	2024	HSIP-60(37)	25
PS&E	2026	HSIP-60(37)	26

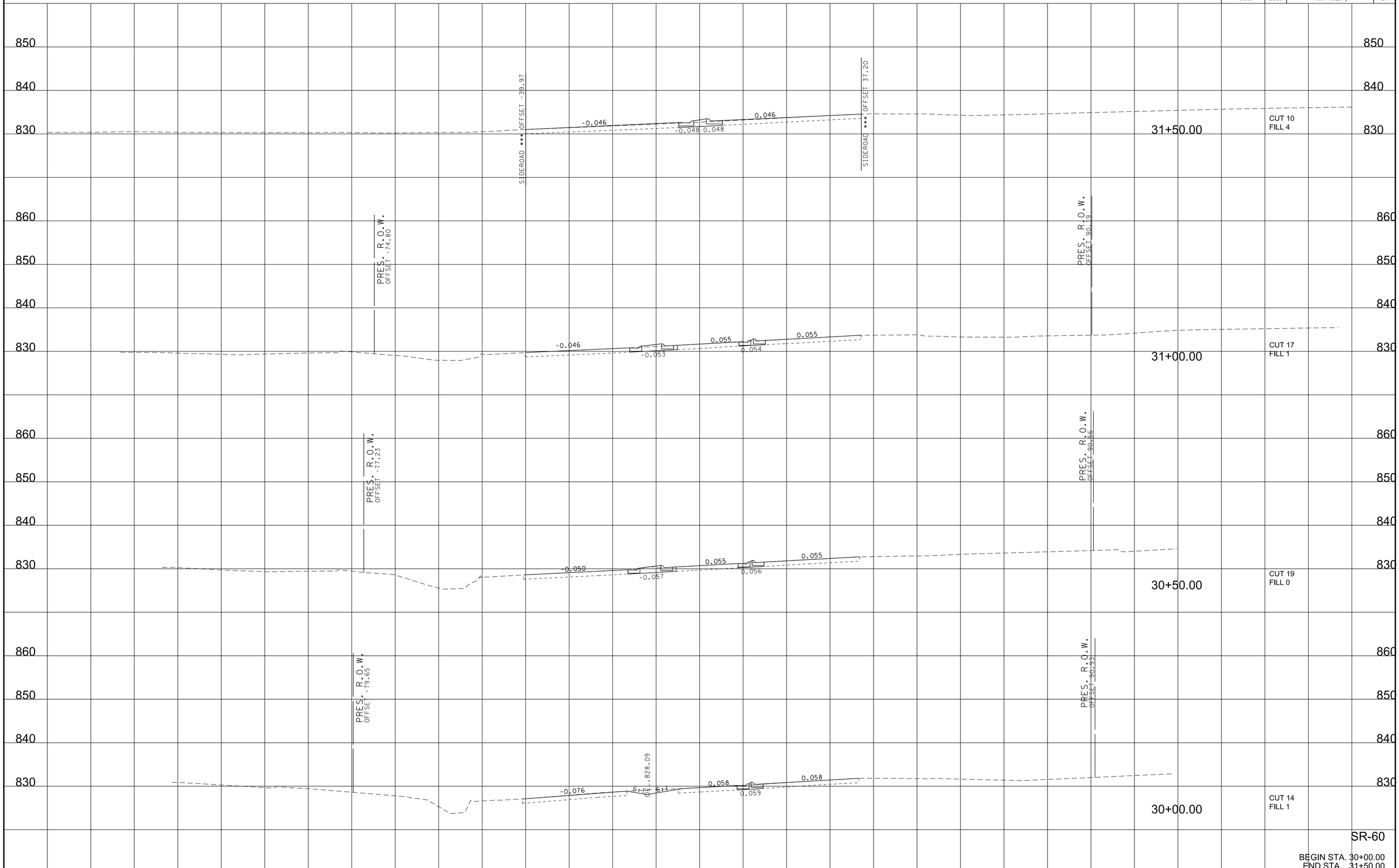


SR-60

BEGIN STA. 28+50.00
END STA. 29+50.00

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FUNC.	2024	HSIP-60(37)	26
PS&E	2026	HSIP-60(37)	27

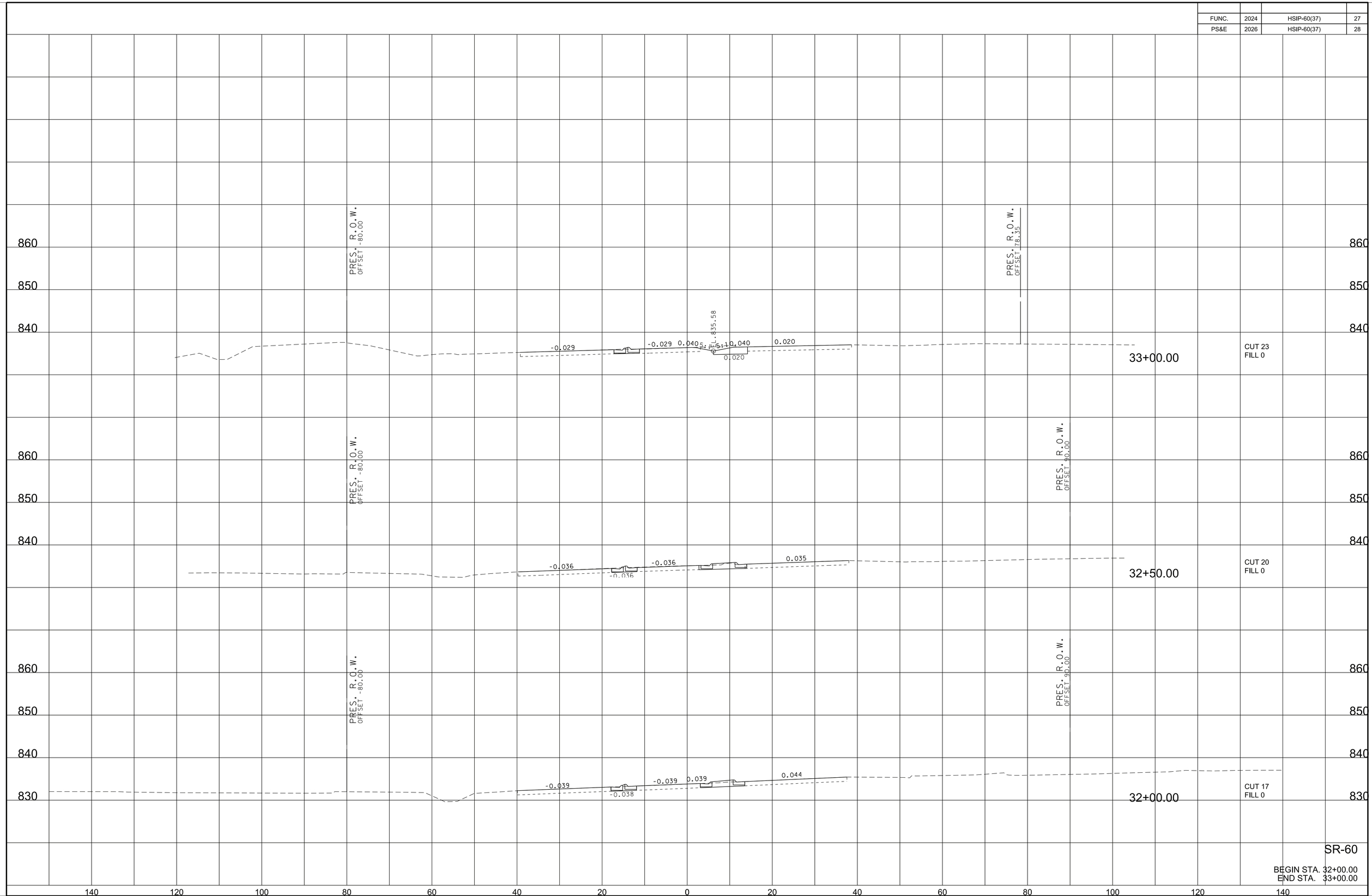


SR-60

BEGIN STA. 30+00.00
END STA. 31+50.00

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FUNC.	2024	HSIP-60(37)	27
PS&E	2026	HSIP-60(37)	28

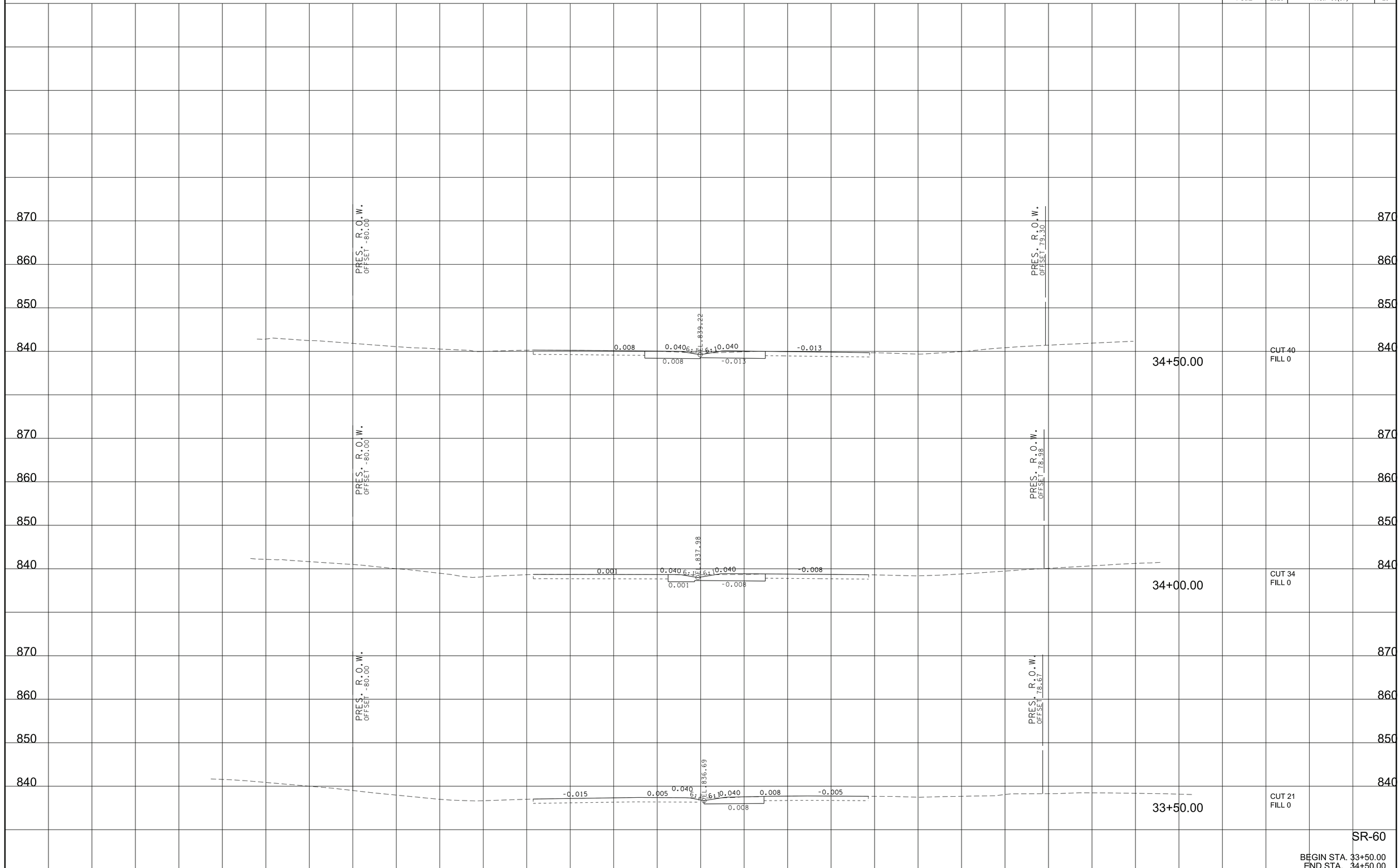


SR-60

BEGIN STA. 32+00.00
END STA. 33+00.00

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FUNC.	2024	HSIP-60(37)	28
PS&E	2026	HSIP-60(37)	29

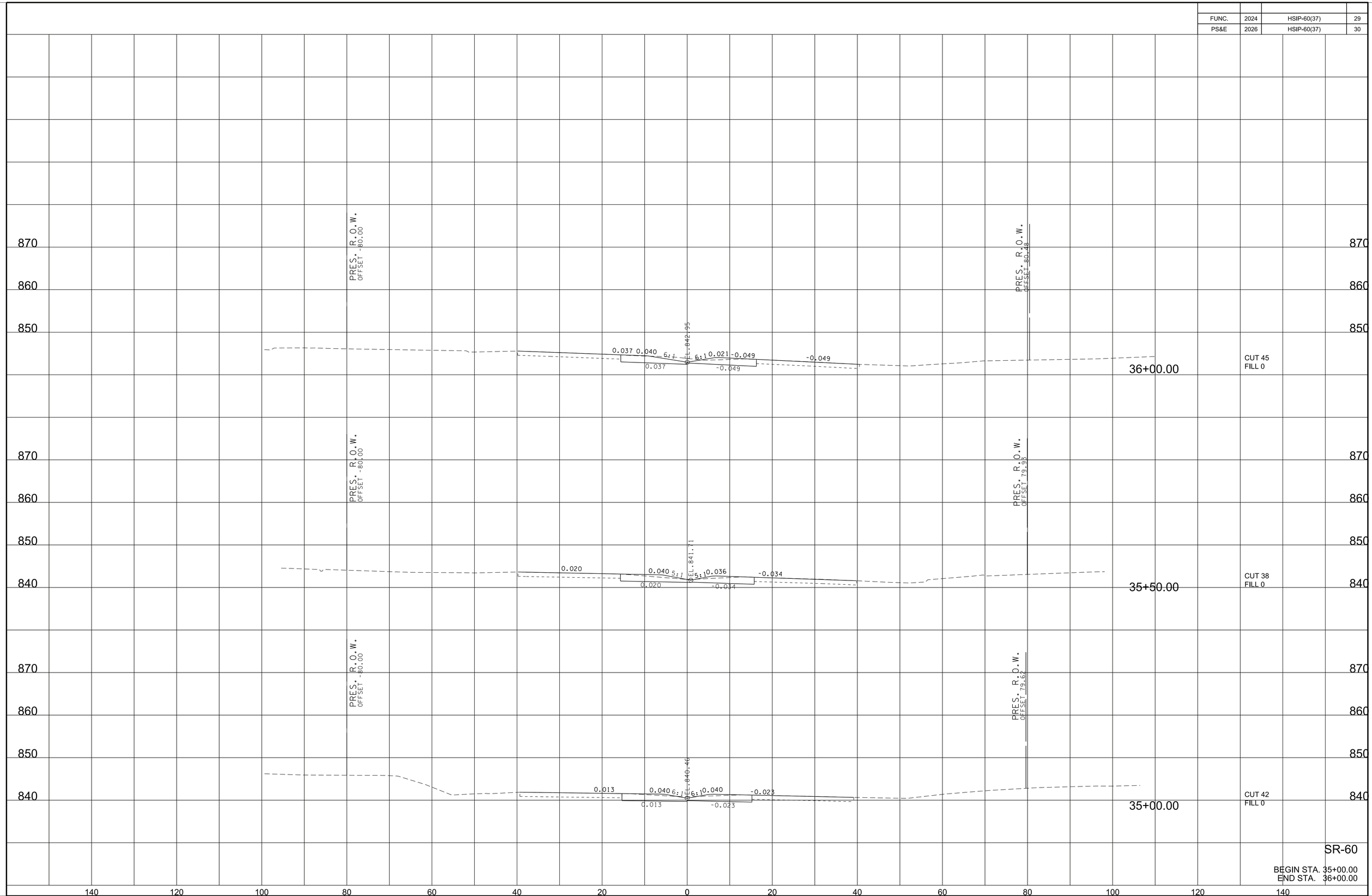


SR-60

BEGIN STA. 33+50.00
END STA. 34+50.00

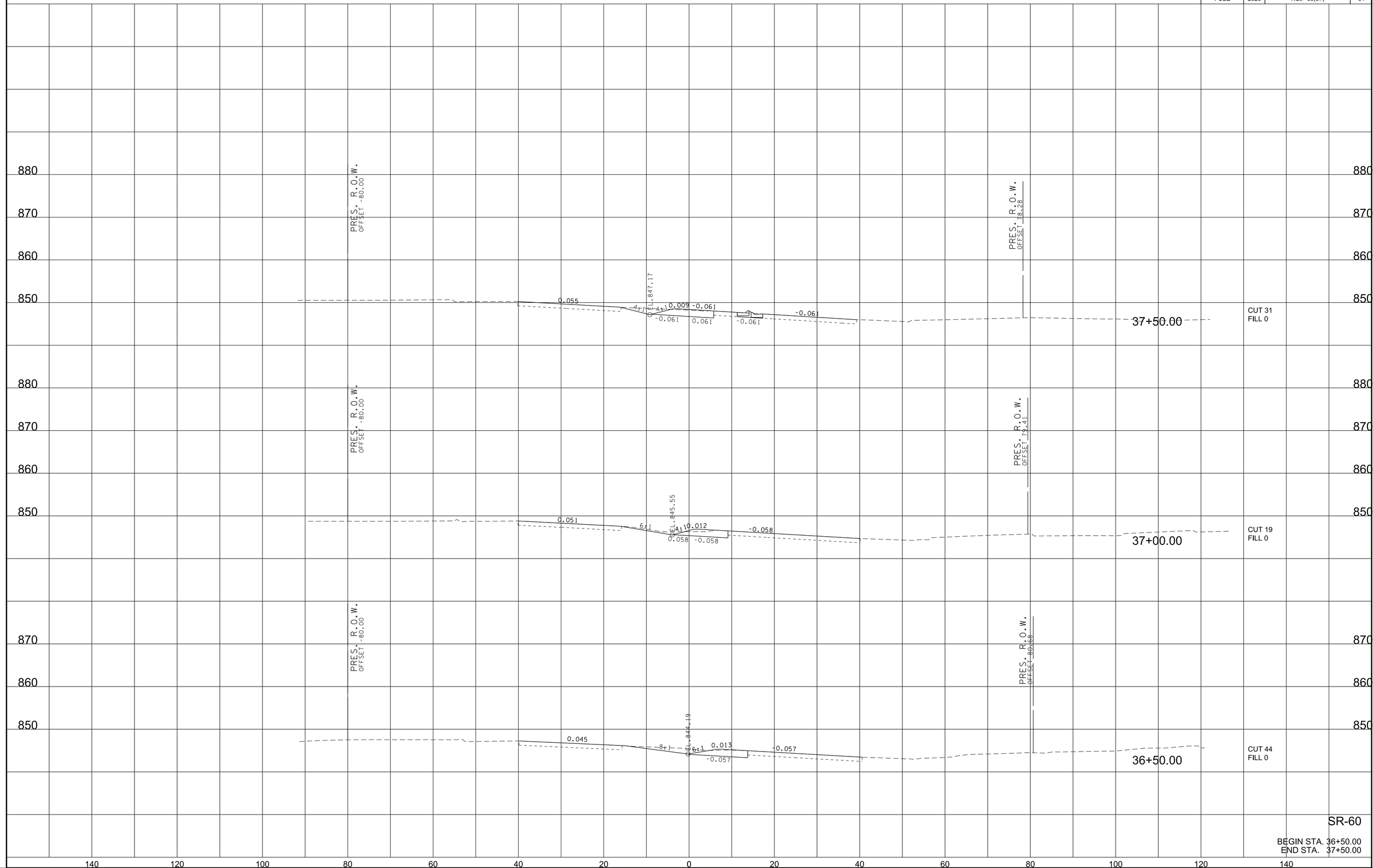
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FUNC.	2024	HSIP-60(37)	29
PS&E	2026	HSIP-60(37)	30



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FUNC.	2024	HSIP-60(37)	30
PS&E	2026	HSIP-60(37)	31



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FUNC.	2024	HSIP-60(37)	31
PS&E	2026	HSIP-60(37)	32

880
870
860
850

PRES. R.O.W.
OFFSET -122.83

SIDEROAD OFFSET -40.84

0.053 0.014 -0.056 -0.056
-0.056 0.056 -0.057

PRES. R.O.W.
OFFSET 77.12

38+50.00

CUT 34
FILL 0

880
870
860
850

PRES. R.O.W.
OFFSET -80.00

0.054 0.010 -0.060 -0.060
-0.060 0.060 -0.062

PRES. R.O.W.
OFFSET 78.00

38+00.00

CUT 34
FILL 0

880
870
860
850

SIDEROAD OFFSET -40.83

0.052 0.053 -0.053 -0.054

PRES. R.O.W.
OFFSET 82.79

39+00.00

CUT 27
FILL 0

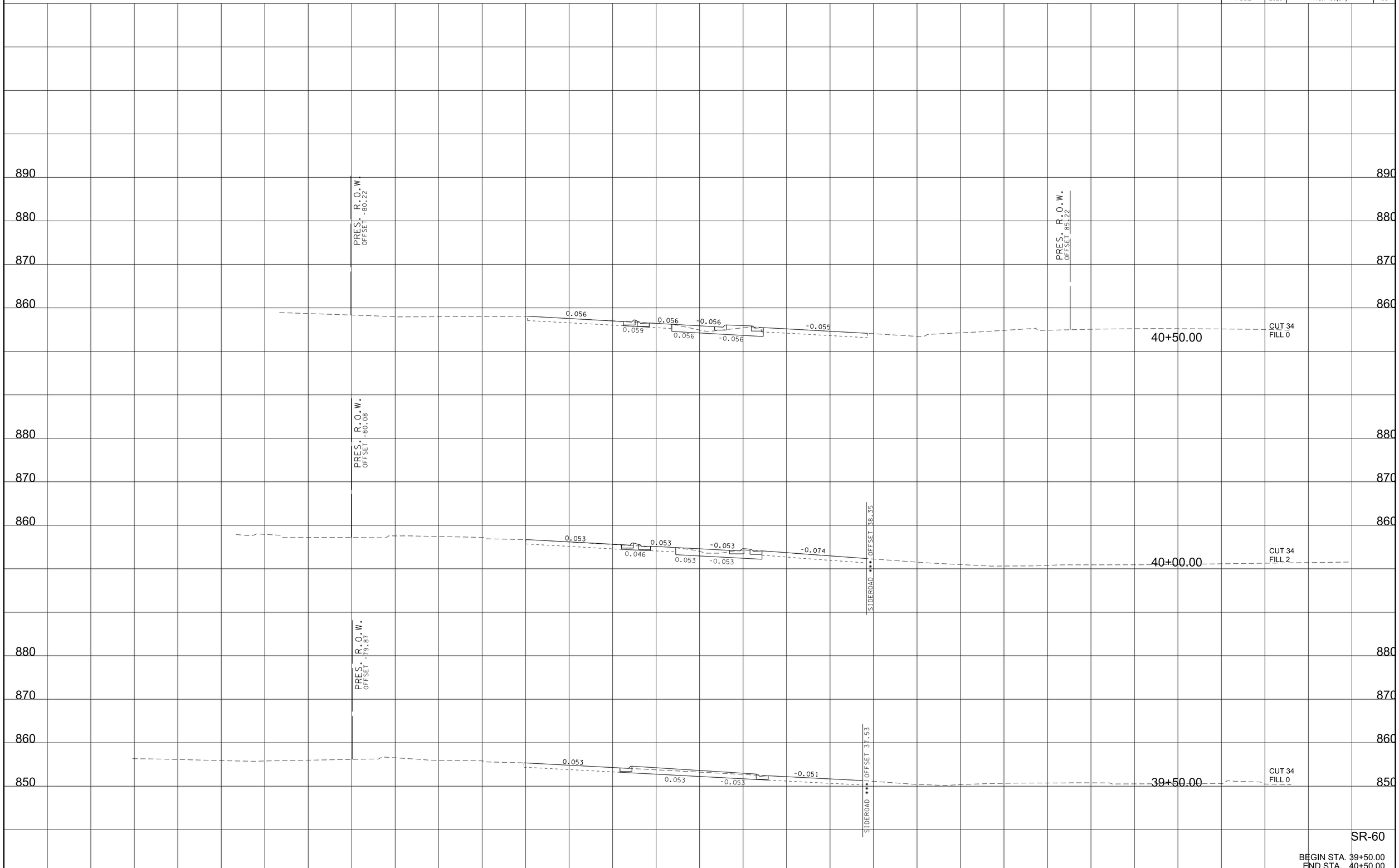
SR-60

BEGIN STA. 38+00.00
END STA. 39+00.00

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

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FUNC.	2024	HSIP-60(37)	32
PS&E	2026	HSIP-60(37)	33

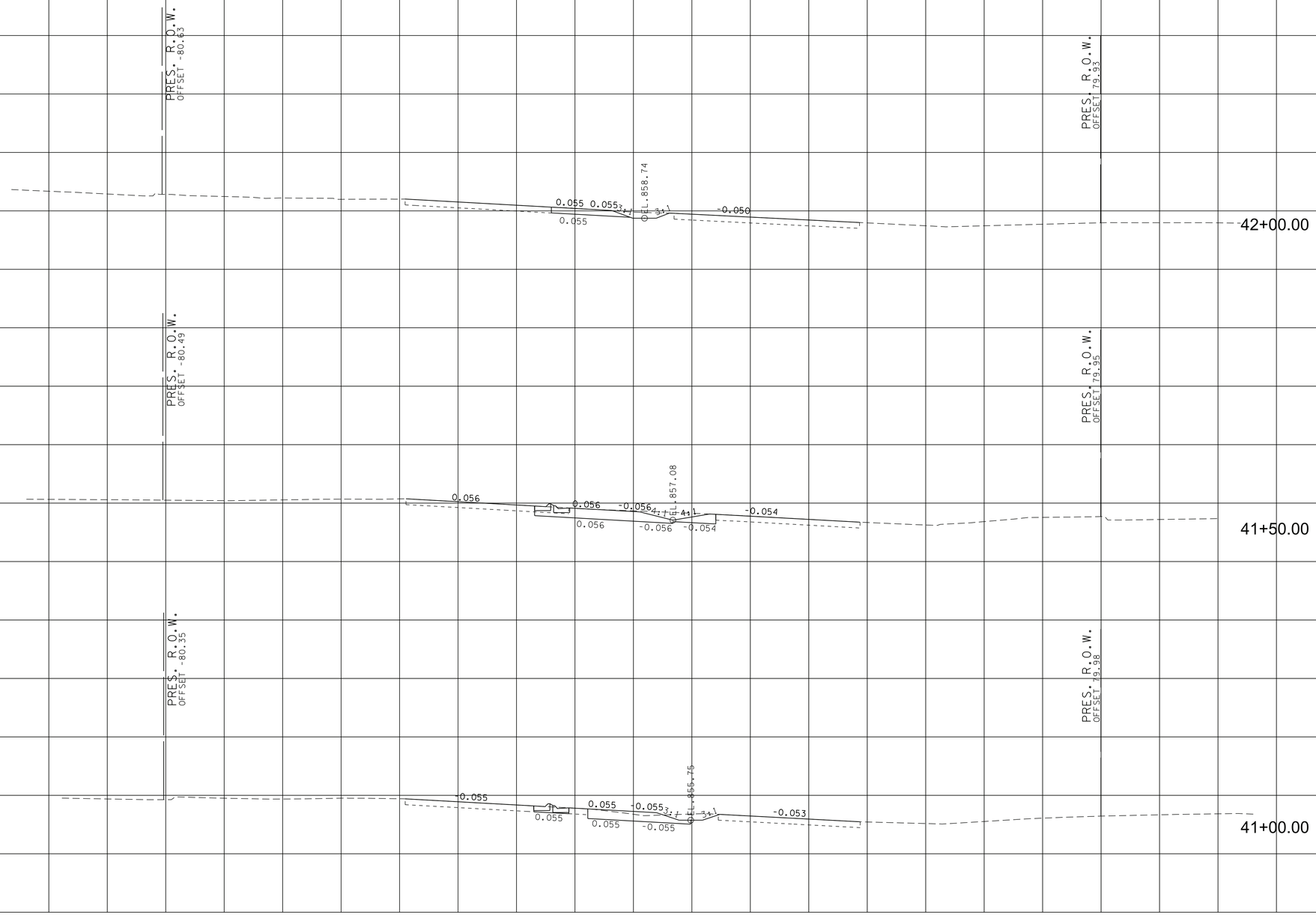


SR-60

BEGIN STA. 39+50.00
END STA. 40+50.00

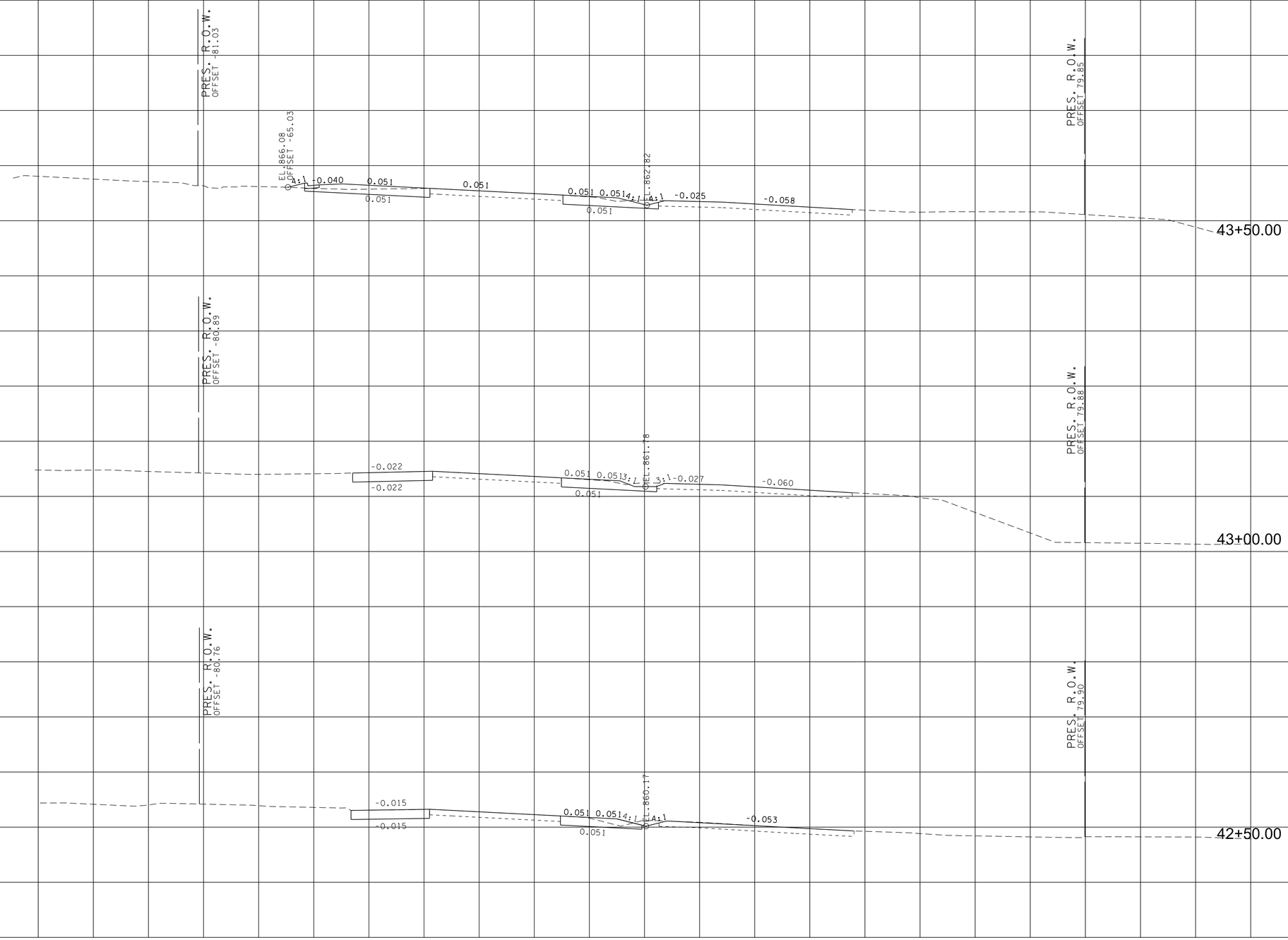
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FUNC.	2024	HSIP-60(37)	33
PS&E	2026	HSIP-60(37)	34



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FUNC.	2024	HSIP-60(37)	34
PS&E	2026	HSIP-60(37)	35

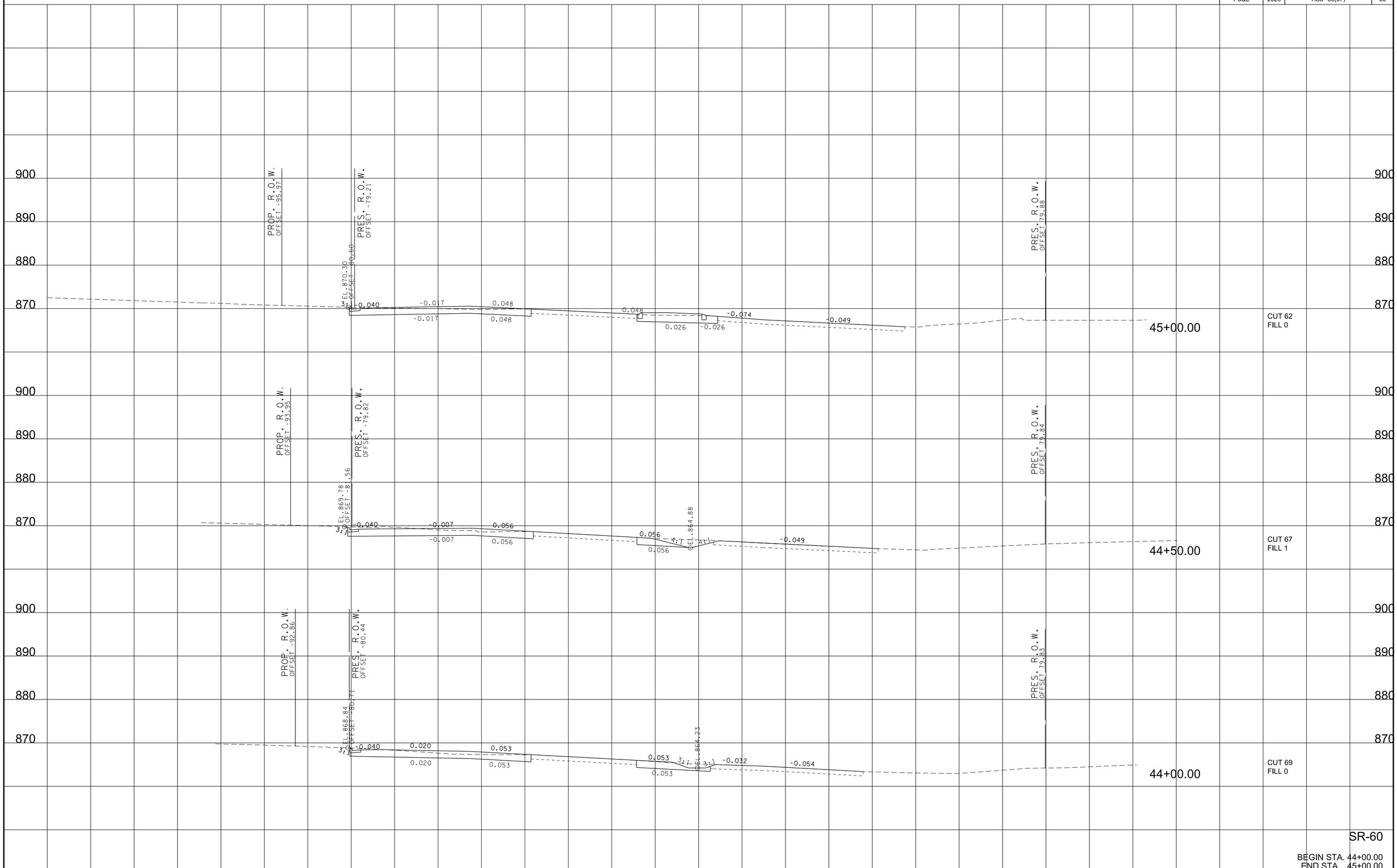


SR-60

BEGIN STA. 42+50.00
END STA. 43+50.00

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FUNC.	2024	HSIP-60(37)	35
PS&E	2026	HSIP-60(37)	36



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FUNC.	2024	HSIP-60(37)	36
PS&E	2026	HSIP-60(37)	37

890
880
870
900
890
880
870
900
890
880
870
900
890
880
870

PRES. R.O.W.
OFFSET 134.17

47+00.00

PRES. R.O.W.
OFFSET 83.35

46+50.00

PRES. R.O.W.
OFFSET 79.96

0.034
0.052
0.052
-0.052
-0.048

46+00.00

CUT 24
FILL 7

PROP. R.O.W
OFFSET -93.01

PRES. R.O.W.
OFFSET -78.59

C-EL. 871.47
OFFSET -79.30

-0.040
-0.020
-0.020
0.037
0.037
0.032
-0.032
-0.078
-0.054
-0.041

PRES. R.O.W.
OFFSET 79.92

45+50.00

CUT 68
FILL 1

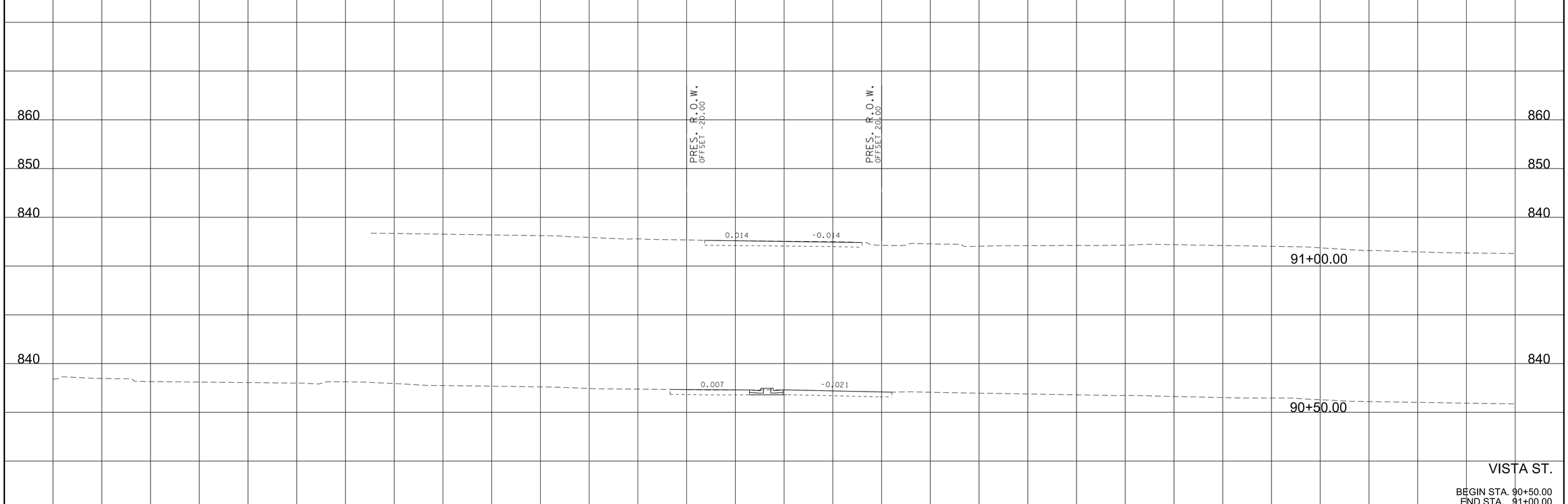
SR-60

BEGIN STA. 45+50.00
END STA. 47+00.00

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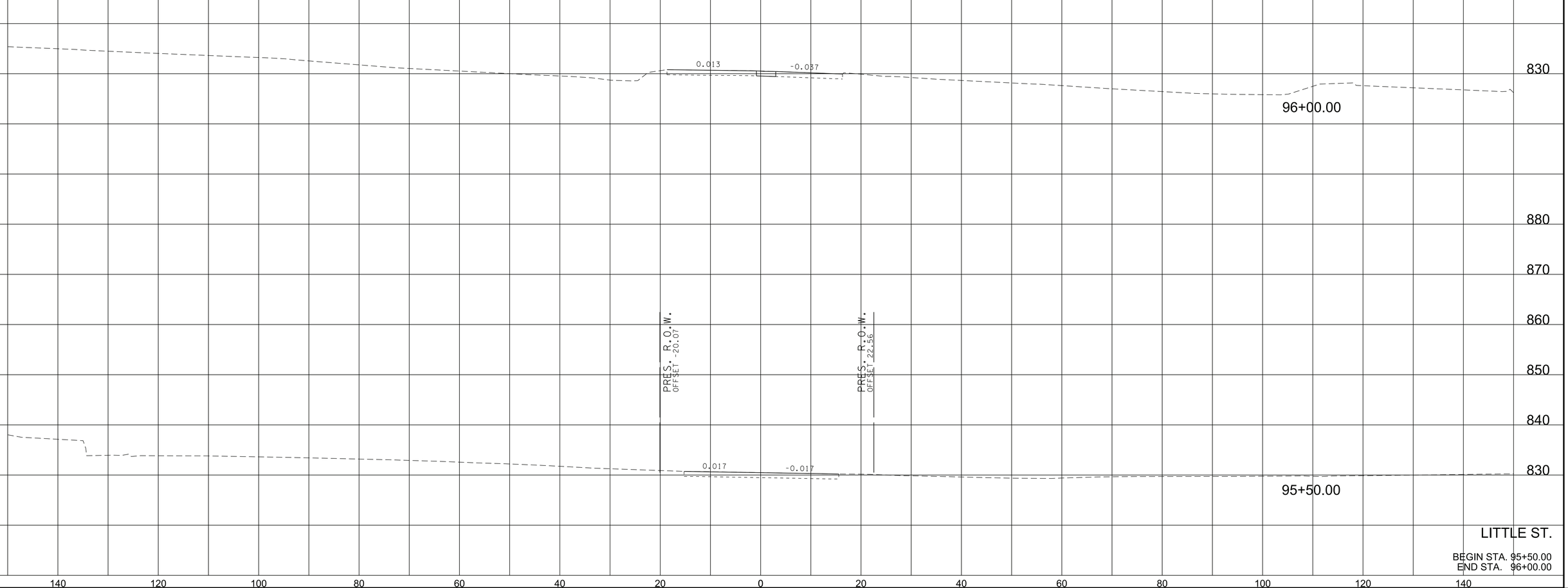
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FUNC.	2024	HSIP-60(37)	37
PS&E	2026	HSIP-60(37)	38



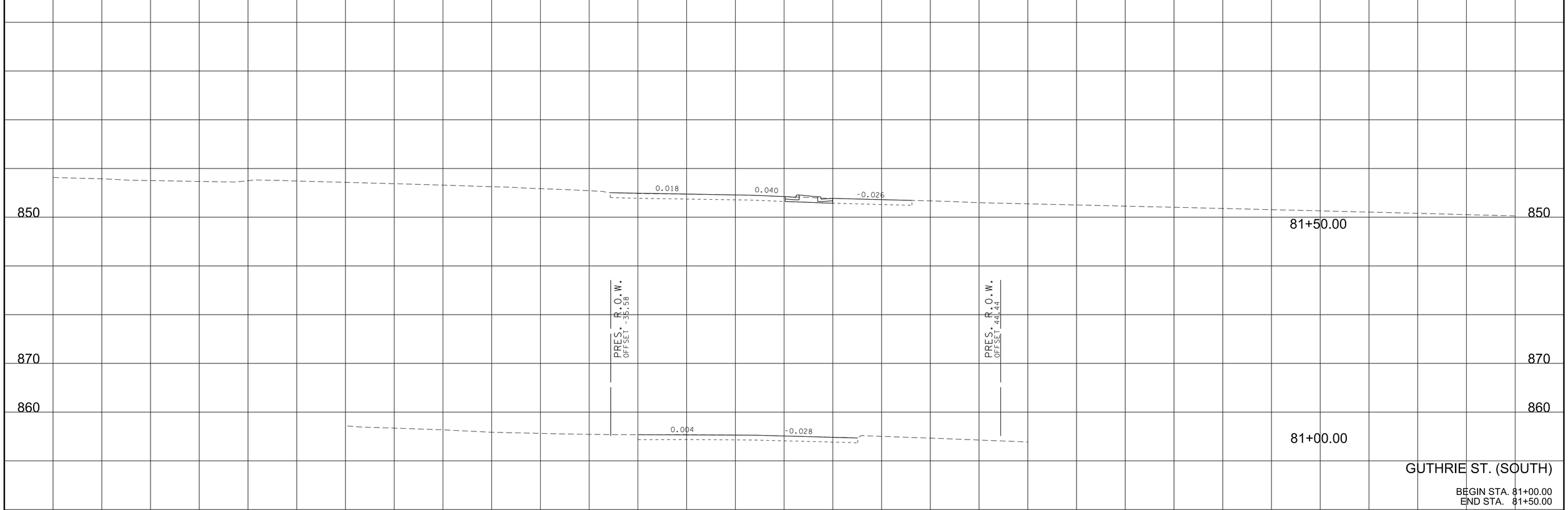
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FUNC.	2024	HSIP-60(37)	38
PS&E	2026	HSIP-60(37)	39



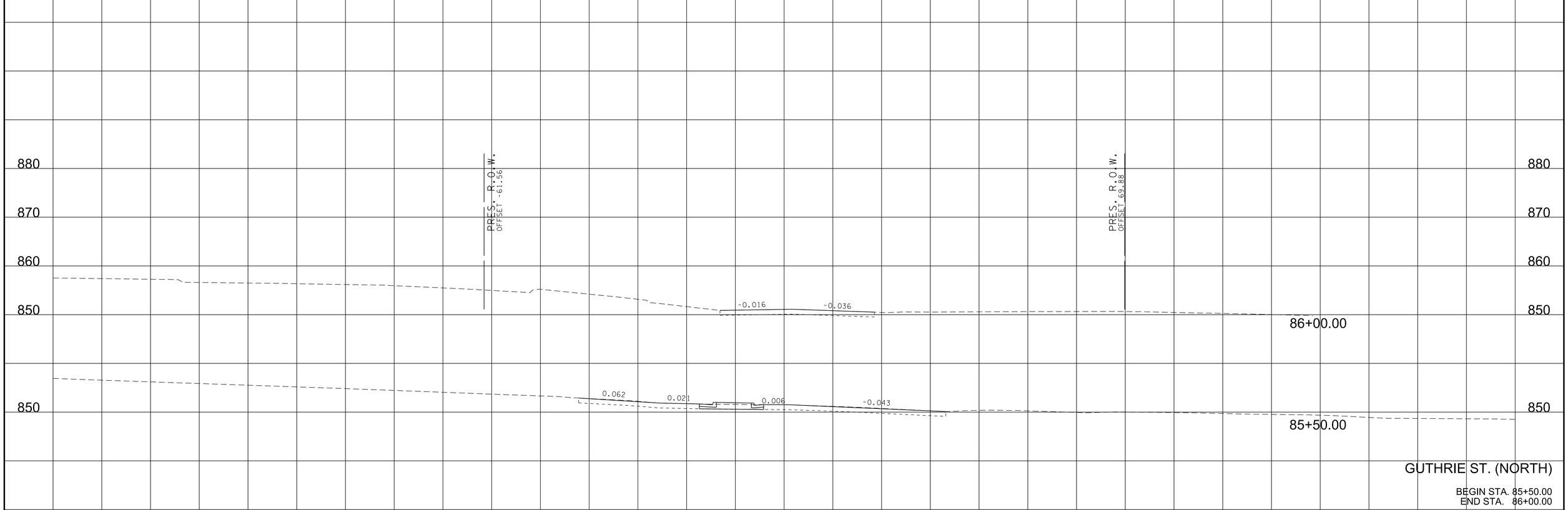
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FUNC.	2024	HSIP-60(37)	39
PS&E	2026	HSIP-60(37)	40



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FUNC.	2024	HSIP-60(37)	40
PS&E	2026	HSIP-60(37)	41



GUTHRIE ST. (NORTH)

BEGIN STA. 85+50.00
END STA. 86+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T1
PIH	2026	HSIP-60(37)	T1
PS&E	2026	HSIP-60(37)	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.

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07-17-26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T2
PIH	2026	HSIP-60(37)	T2
PS&E	2026	HSIP-60(37)	T2

TABULATED TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	PHASE I QUANTITY	PHASE II QUANTITY	PHASE IIA QUANTITY	PHASE III QUANTITY	TOTAL QUANTITY
				0	0	0	06009-3247-94
712-01	TRAFFIC CONTROL	LS					1
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	47	65	48	127	287
712-05.01	WARNING LIGHTS (TYPE A)	EACH	47	65	48	127	287
712-06	SIGNS (CONSTRUCTION)	S.F.					737
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.		200	200		400
712-08.03	ARROW BOARD (TYPE C)	EACH	1	1	1	2	2
712-09.02	REMOVABLE PAVEMENT MARKING (8" BARRIER LINE)	L.F.	860	1850	350	2230	6590
712-09.08	REMOVABLE PAVEMENT MARKING (6" LINE)	L.F.			116		5906
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH					3
716-01.05	TEMPORARY RAISED PAVEMENT MARKER	EACH		132			132
716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	390	1360	2160	4760	8670
716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.		0.9	0.8		2
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.		3832			3832

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
→	TRAFFIC FLOW
	ARROW BOARD TYPE C
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)
	TEMPORARY BARRICADE (TYPE III)

TRAFFIC CONTROL SIGN TABULATION

M.U.T.C.D. SIGN NO.	LEGEND	SIZE IN INCHES L	X	W	S.F.	NO. REQUIRED PHASE I	NO. REQUIRED PHASE II	NO. REQUIRED PHASE IIA	NO. REQUIRED PHASE III	TOTAL NO. REQUIRED	ITEM NO. 712-06 S.F.	STANDARD DRAWING NO.	REMARKS
G20-2	END ROAD WORK	48"		24"	8	4	4	4	4	4	32.00	T-WZ-11	
G20-2	END ROAD WORK	36"		18"	5	6	6	6	6	6	27.00		
M4-10R	ONE WAY (DETOUR) RIGHT	48"		18"	6		2	2		2	12.00		
R11-2	ROAD CLOSED	48"		30"	10		2	2		2	20.00		
W1-4BL	TWO LANE REVERSE CURVE LEFT	48"		48"	16		2	2		2	32.00	T-WZ-16	
W1-4BR	TWO LANE REVERSE CURVE RIGHT	48"		48"	16		2	2		2	32.00	T-WZ-16	
W4-2L	LEFT LANE ENDS SYMBOL	48"		48"	16		2	2		2	32.00	T-WZ-11	
W4-2R	RIGHT LANE ENDS SYMBOL	48"		48"	16	2			4	4	64.00	T-WZ-11	
W9-3	CENTER LANE CLOSED AHEAD	48"		48"	16				2	2	32.00		
W13-1P	ADVISORY SPEED	24"		24"	4	1	1		1	3	12.00	T-WZ-11	
W13-4P	ON RAMP PLAQUE	36"		36"	9				2	2	18.00		USE WITH ALL SIGNS PLACED ON I-75 MAINLINE
W20-1	ROAD WORK AHEAD	48"		48"	16	1	1	1	1	2	32.00	T-WZ-11	
W20-1	ROAD WORK AHEAD	36"		36"	9	8	8	6	8	8	72.00	T-WZ-11	
W20-1	ROAD WORK 1 MILE	48"		48"	16	2	2	2	2	2	32.00	T-WZ-11	
W20-1	ROAD WORK 1/2 MILE	48"		48"	16	2	2	2		2	32.00	T-WZ-11	
W20-1	ROAD WORK 1000 FT	48"		48"	16	2	2	2		2	32.00	T-WZ-11	
W20-5L	LEFT LANE CLOSED 1500 FT	48"		48"	16		2	2		2	32.00	T-WZ-11	
W20-5L	LEFT LANE CLOSED 1000 FT	48"		48"	16		2	2		2	32.00	T-WZ-11	
W20-5R	RIGHT LANE CLOSED 1/2 MILE	48"		48"	16				2	2	32.00	T-WZ-11	
W20-5R	RIGHT LANE CLOSED 1500 FT	48"		48"	16	2			4	4	64.00	T-WZ-11	
W20-5R	RIGHT LANE CLOSED 1000 FT	48"		48"	16	2			2	2	32.00	T-WZ-11	
W21-5aR	RIGHT SHOULDER CLOSED	48"		48"	16	1				1	16.00	T-WZ-18	
W21-5bR	RIGHT SHOULDER CLOSED 1500 FT	48"		48"	16	1				1	16.00	T-WZ-18	
										TOTAL	737	S.F.	

SEALED BY

JOSEPH V. DEFRENZO REGISTERED ENGINEER AGENCY NO. 00125010 COMMERCE STATE OF TENNESSEE

07-17-26

PHASE 1: CONSTRUCT BULBOUTS THROUGH BINDER

PHASE 2: CONSTRUCT MEDIAN IMPROVEMENTS AND RESURFACE INSIDE LANES FROM BEGINNING OF PROJECT TO SOUTH OF GUTHRIE ST.

PHASE 2A: CONSTRUCT MEDIAN IMPROVEMENTS AND RESURFACE INSIDE LANES FROM GUTHRIE ST. TO END OF PROJECT

PHASE 3: CONSTRUCT SIDE ROAD ISLANDS AND RESURFACE OUTSIDE LANES AND SHOULDER

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PHASING NOTES, LEGEND AND TABULATION

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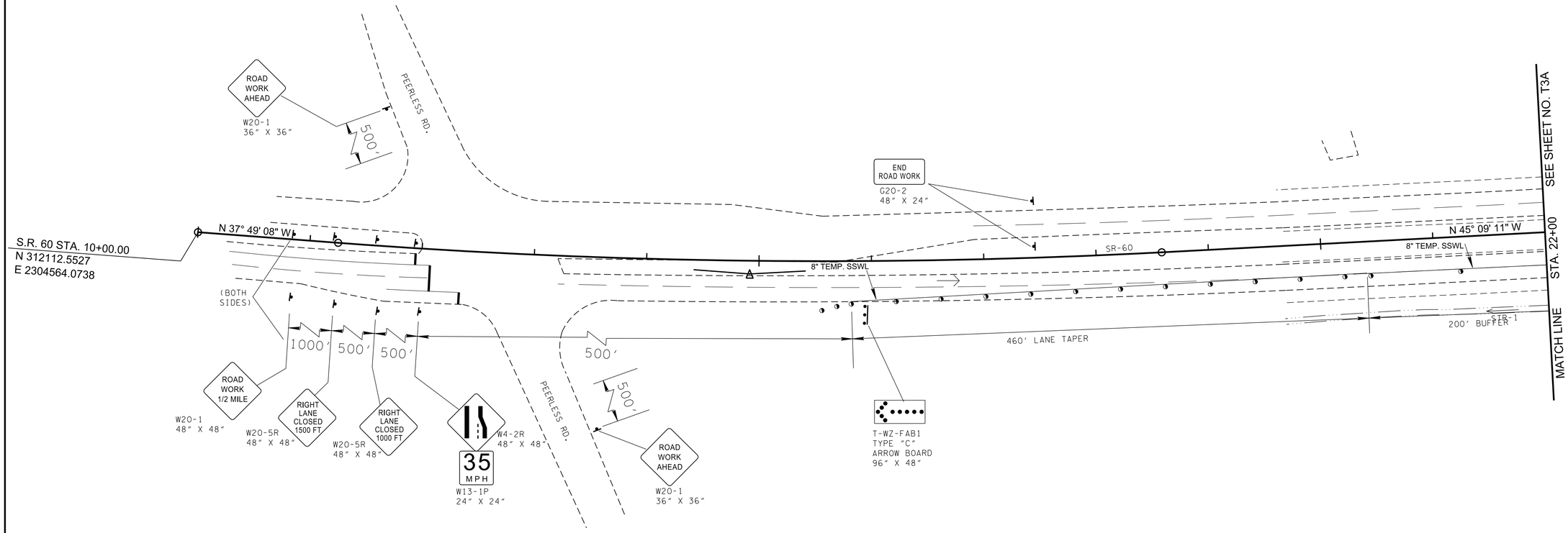
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T3
PIH	2026	HSIP-60(37)	T3
PS&E	2026	HSIP-60(37)	T3

10

15

20

N



SEALED BY

JOSEPH V. DEVENZ
REGISTERED ENGINEER
AGRICULTURE & COMMERCE
NO. 00125010
STATE OF TENNESSEE

07-17-26

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

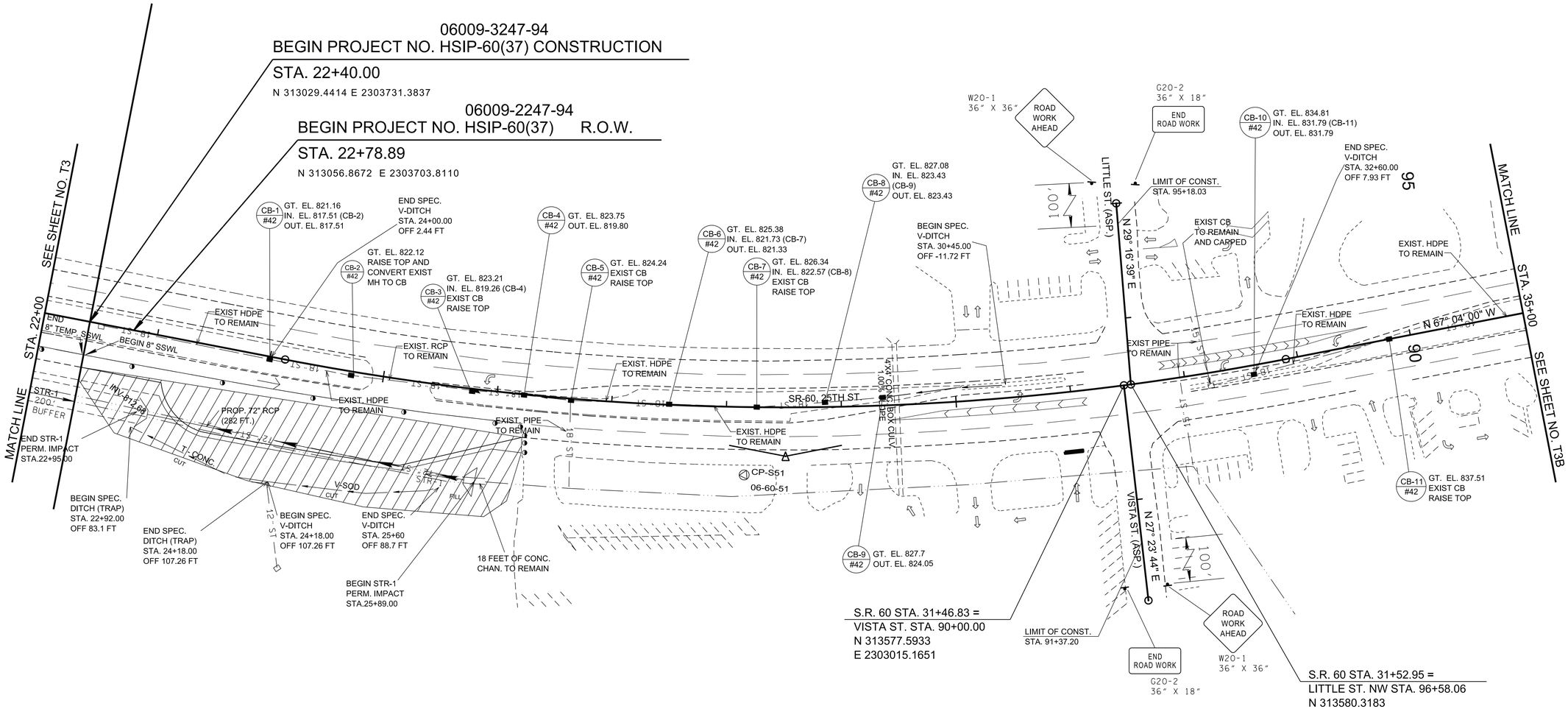
STA. 10 +00 TO STA. 22+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T3A
PIH	2026	HSIP-60(37)	T3A
PS&E	2026	HSIP-60(37)	T3A



PHASE I

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JOSEPH L. DEBRENZA
REGISTERED ENGINEER
AGENCY OWNER
COMMISSION NO. 0012500
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

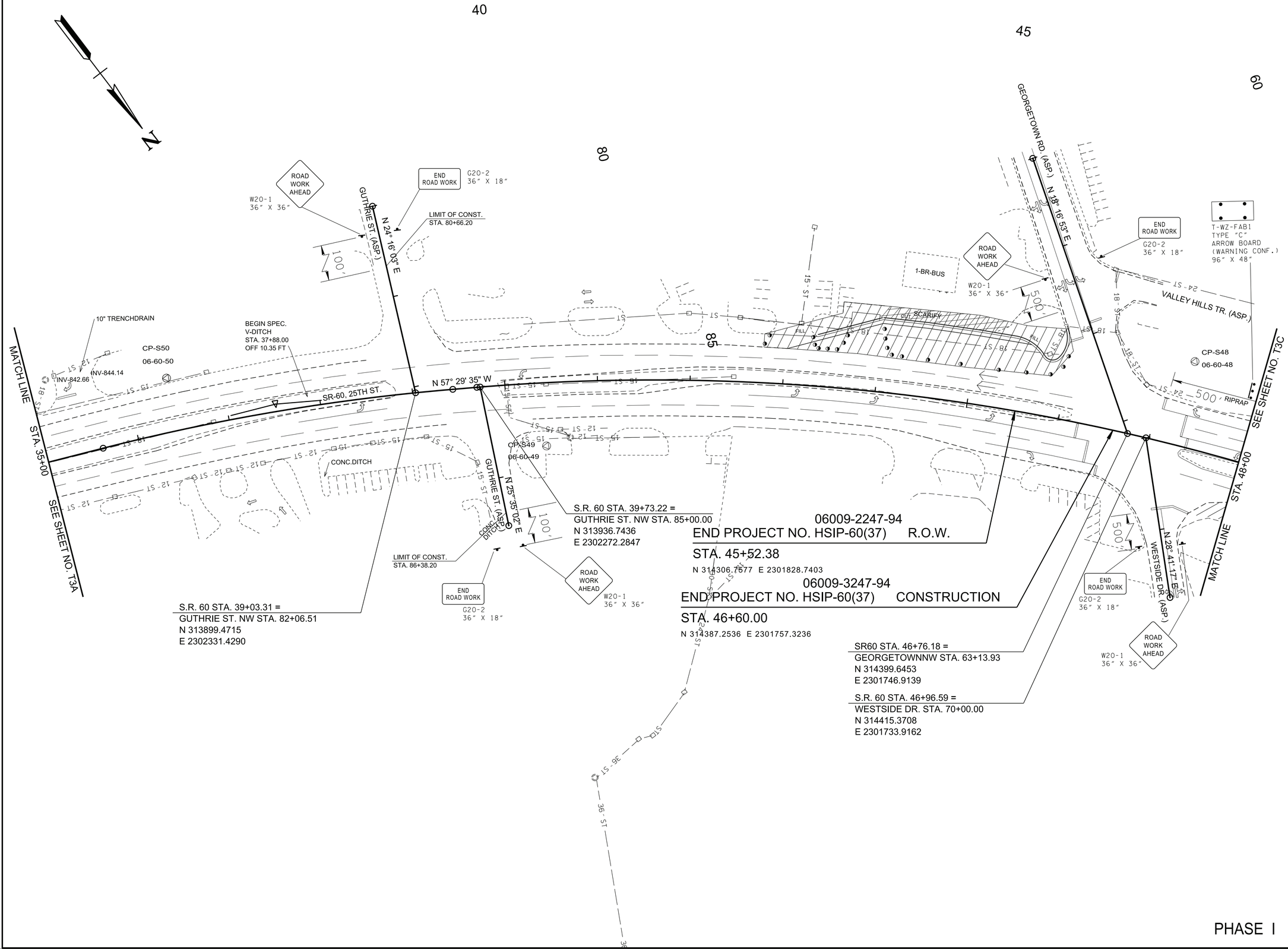
TRAFFIC CONTROL PLANS

STA. 22+00 TO STA. 35+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T3B
PIH	2026	HSIP-60(37)	T3B
PS&E	2026	HSIP-60(37)	T3B



PHASE I

SEALED BY

JOSEPH L. DEBRENZA
REGISTERED ENGINEER
AGENCY EMPLOYEE
COMMISSION NO. 0012501
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 35+00 TO STA. 48+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T3C
PIH	2026	HSIP-60(37)	T3C
PS&E	2026	HSIP-60(37)	T3C

50

70

SEE SHEET NO. T3B

STA. 48+00

MATCH LINE

N 35° 39' 38" W

RIGHT SHOULDER CLOSED

W21-5aR
48" X 48"

500'

RIGHT SHOULDER CLOSED 1500 FT

W21-5bR
48" X 48"

1000'

W20-1
48" X 48"

ROAD WORK 1000 FT

W20-1
48" X 48"

ROAD WORK 1/2 MILE

ROAD WORK 1 MILE

W20-1
48" X 48"

1600'

2600'

(BOTH SIDES)

SR-60

END ROAD WORK

G20-2
48" X 24"

ROAD WORK AHEAD

W20-1
48" X 48"

I-75 NB

I-75 SB

N

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JOSEPH L. DELORENZO
REGISTERED ENGINEER
AGRICULTURAL
No. 0012540
COMMERCIAL
STATE OF TENNESSEE

07-17-26

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 48+00 TO STA. 50+90

SCALE: 1"= 50'

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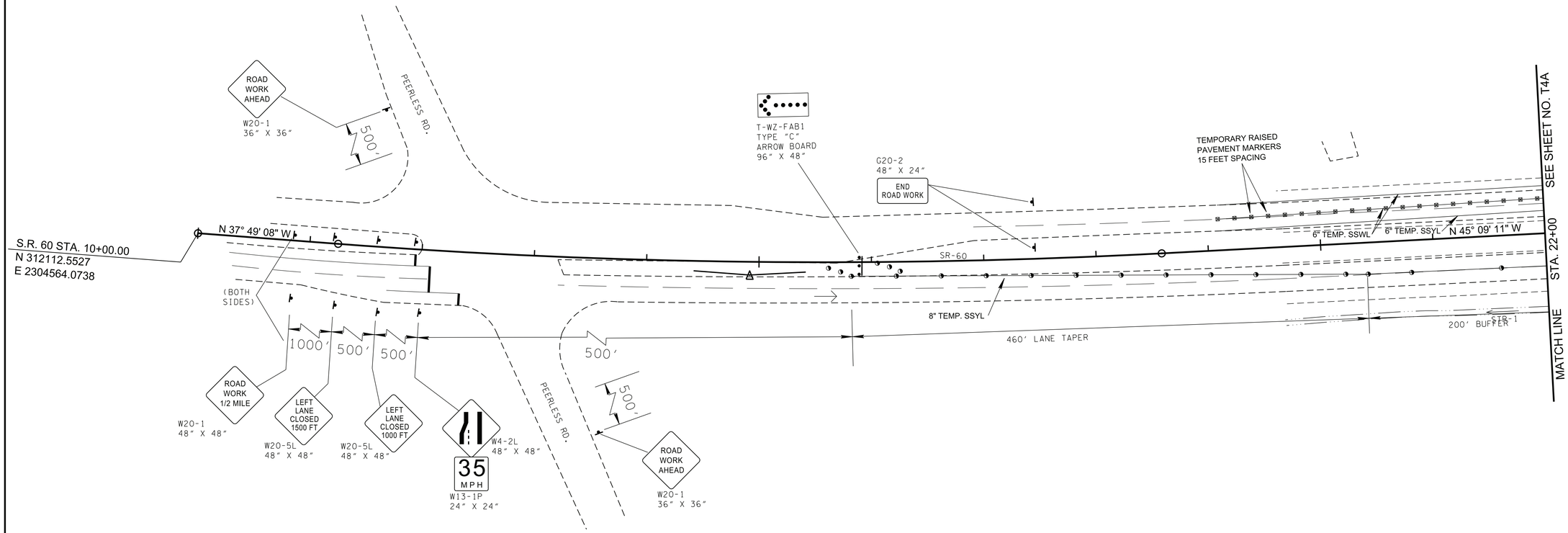
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T4
PIH	2026	HSIP-60(37)	T4
PS&E	2026	HSIP-60(37)	T4

10

15

20

N



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JOSEPH L. DELORENZO
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
AND DEVELOPMENT
STATE OF TENNESSEE

07-17-26

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

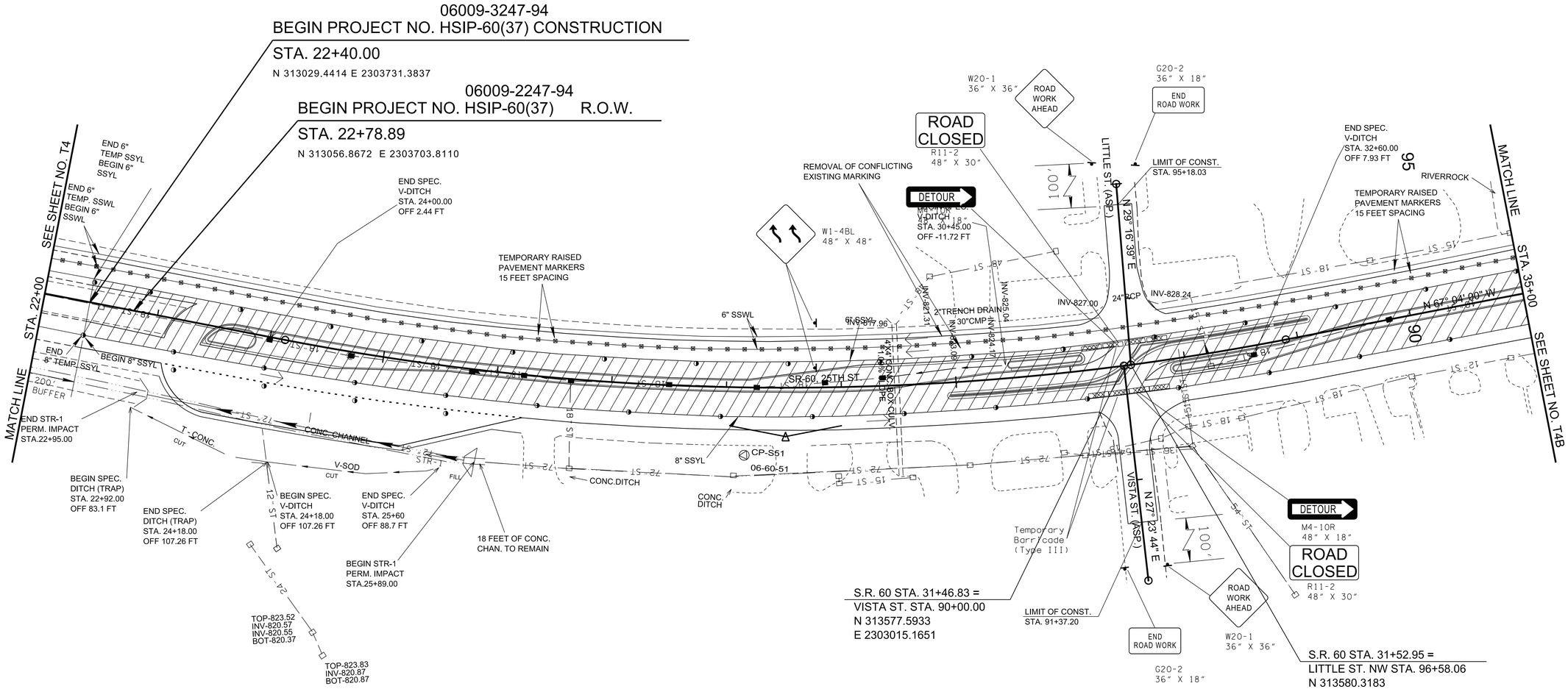
STA. 10+00 TO STA. 22+00

SCALE: 1"= 50'

PHASE II

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T4A
PIH	2026	HSIP-60(37)	T4A
PS&E	2026	HSIP-60(37)	T4A



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 22+00 TO STA. 35+00

SCALE: 1"= 50'

PHASE II

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T4B
PIH	2026	HSIP-60(37)	T4B
PS&E	2026	HSIP-60(37)	T4B

40

45

60

80

85

N

ROAD WORK AHEAD
W20-1
36" X 36"

GUTHRIE ST. (ASP.)

N 24° 16' 03" E

100'

END ROAD WORK
G20-2
36" X 18"

LIMIT OF CONST.
STA. 80+66.20

END SPEC.
V-DITCH
STA. 41+00.00
OFF 8.57 FT

W1-4BR
48" X 48"

15" ST

FILL

CUT

18" ST

1-BR-BUS

ROAD WORK AHEAD
W20-1
36" X 36"

500'

GEORGETOWN RD. (ASP.)

N 18° 16' 53" E

END ROAD WORK
G20-2
36" X 18"

24" ST

VALLEY HILLS TR. (ASP.)

CP-S48
06-60-48

SEE SHEET NO. T4C

REMOVAL OF CONFLICTING EXISTING MARKING

TEMPORARY RAISED PAVEMENT MARKERS 15 FEET SPACING

CP-S50
06-60-50

6" SSWL

BEGIN SPEC.
V-DITCH
STA. 37+88.00
OFF 10.35 FT

6" SSYL

MATCH LINE
STA. 35+00

SR-60, 25TH ST.

N 57° 29' 35" W

SEE SHEET NO. T4A

8"SSYL

12" ST

15" ST

18" ST

CP-S49
06-60-49

GUTHRIE ST. (ASP.)

N 25° 35' 02" E

100'

S.R. 60 STA. 39+73.22 =
GUTHRIE ST. NW STA. 85+00.00
N 313936.7436
E 2302272.2847

LIMIT OF CONST.
STA. 86+38.20

END ROAD WORK
G20-2
36" X 18"

ROAD WORK AHEAD
W20-1
36" X 36"

S.R. 60 STA. 39+03.31 =
GUTHRIE ST. NW STA. 82+06.51
N 313899.4715
E 2302331.4290

BEGIN SPEC.
V-DITCH
STA. 44+70.00
OFF -2.63 FT

06009-2247-94
END PROJECT NO. HSIP-60(37) R.O.W.
STA. 45+52.38
N 314306.7677 E 2301828.7403

06009-3247-94
END PROJECT NO. HSIP-60(37) CONSTRUCTION
STA. 46+60.00
N 314387.2536 E 2301757.3236

36" ST

SR60 STA. 46+76.18 =
GEORGETOWNNW STA. 63+13.93
N 314399.6453
E 2301746.9139

S.R. 60 STA. 46+96.59 =
WESTSIDE DR. STA. 70+00.00
N 314415.3708
E 2301733.9162

500'

WESTSIDE DR. (ASP.)

N 28° 41' 17" E

END ROAD WORK
G20-2
36" X 18"

ROAD WORK AHEAD
W20-1
36" X 36"

MATCH LINE
STA. 48+00

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JOSEPH L. DEDRICK
REGISTERED ENGINEER
AGENCY COPY
COMMISSION NO. 00125010
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 35+00 TO STA. 48+00

SCALE: 1"= 50'

PHASE II

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T4C
PIH	2026	HSIP-60(37)	T4C
PS&E	2026	HSIP-60(37)	T4C

50

70

SEE SHEET NO. T4B

STA. 48+00

N 35° 39' 38" W

MATCH LINE

END
ROAD WORK
G20-2
48" X 24"

SR-60

ROAD
WORK
AHEAD
W20-1
48" X 48"

I-75 NB

I-75 SB

W20-1
48" X 48"
ROAD
WORK
1000 FT

W20-1
48" X 48"
ROAD
WORK
1/2 MILE

ROAD
WORK
1 MILE

W20-1
48" X 48"

1600' 2600'

(BOTH
SIDES)

N

PHASE II

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JOSEPH L. DELORENZO
REGISTERED ENGINEER
AGENCY NO. 00125410
COMMERCE
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 48+00 TO STA. 50+90

SCALE: 1"= 50'

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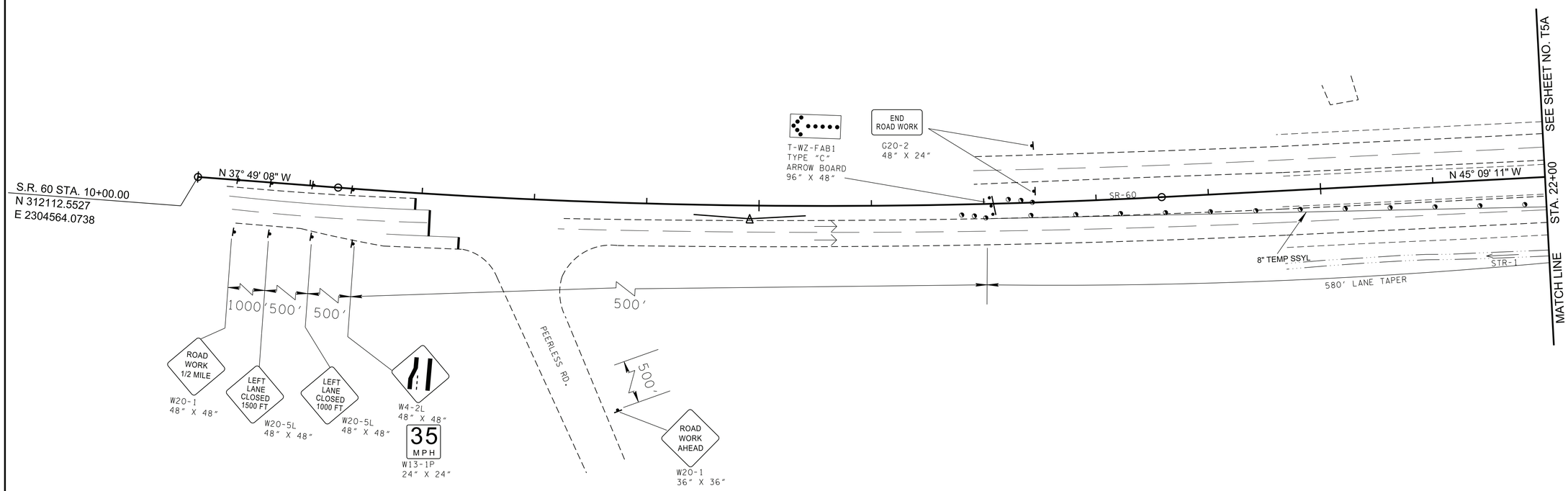
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T5
PIH	2026	HSIP-60(37)	T5
PS&E	2026	HSIP-60(37)	T5

10

15

20

N



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REGISTERED ENGINEER
AGRICULTURE
COMMERCE
AND DEVELOPMENT
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

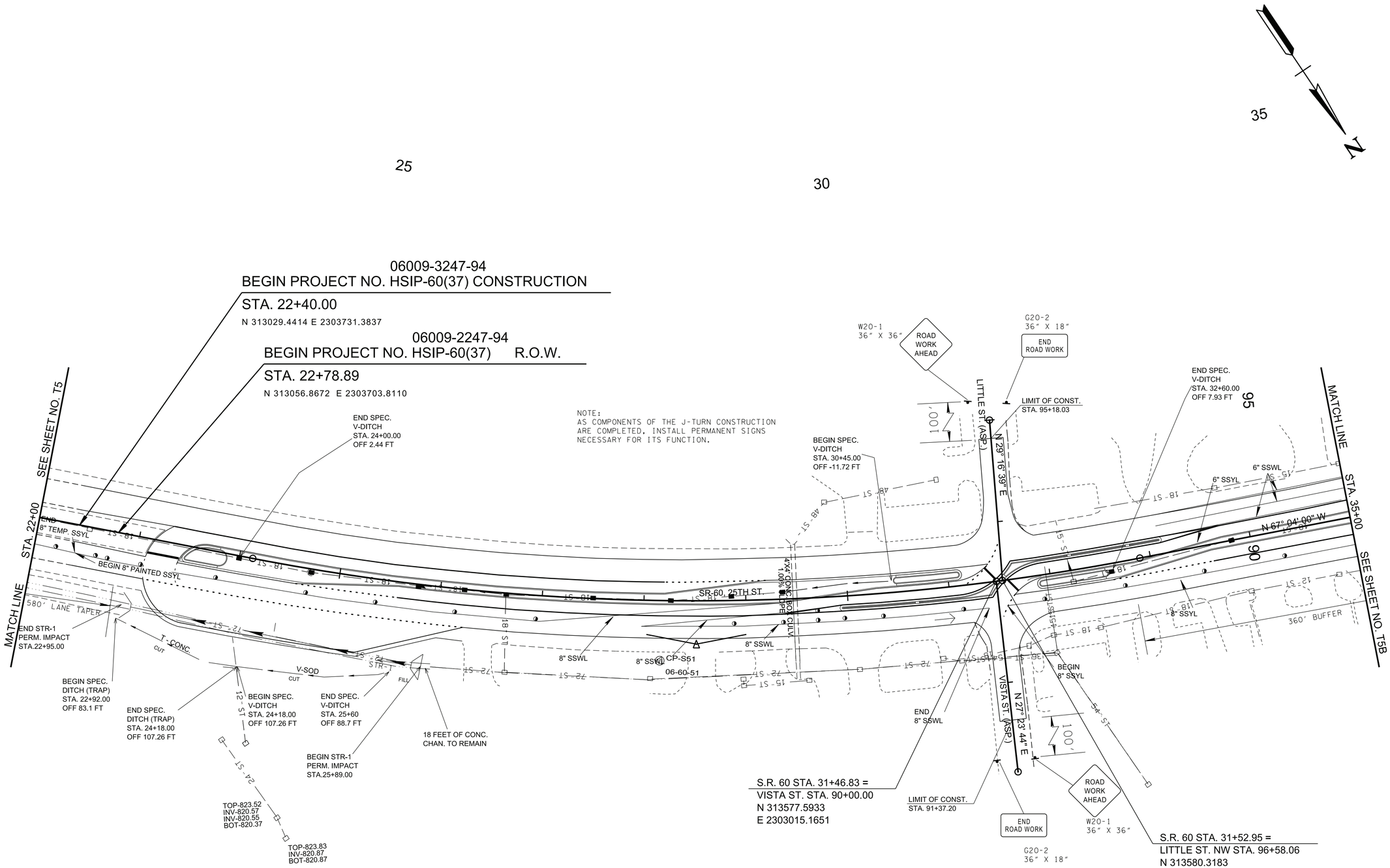
STA. 10+00 TO STA. 22+00

SCALE: 1"= 50'

PHASE IIA

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T5A
PIH	2026	HSIP-60(37)	T5A
PS&E	2026	HSIP-60(37)	T5A



PHASE IIA

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JOSEPH L. DELORIMIER REGISTERED ENGINEER COMMERCE No. 0012540 STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 22+00 TO STA. 35+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T5B
PIH	2026	HSIP-60(37)	T5B
PS&E	2026	HSIP-60(37)	T5B

40

45

60

80

85

NOTE:
AS COMPONENTS OF THE J-TURN CONSTRUCTION ARE COMPLETED, INSTALL PERMANENT SIGNS NECESSARY FOR ITS FUNCTION.

N

ROAD CLOSED
R11-2
48" X 30"

DETOUR
M4-10R
48" X 18"

ROAD WORK AHEAD
W20-1
36" X 36"

END ROAD WORK
G20-2
36" X 18"

GUTHRIE ST. (ASP.)

N 24° 16' 03" E

100'

LIMIT OF CONST.
STA. 80+66.20

W1-4BL
48" X 48"

6" SSWL

15" ST

FILL

CUT

18" ST

1-BR-BUS

500'

GEORGETOWN RD (ASP.)

N 18° 16' 53" E

VALLEY HILLS TR. (ASP.)

24" ST

BEGIN SPEC.
V-DITCH
STA. 37+88.00
OFF 10.35 FT

CP-S50
06-60-50

6" DWL

12" ST

SR-60 25TH ST

N 57° 28' 35" W

6" SSYL

CP-S48
06-60-48

MATCH LINE
STA. 35+00

SEE SHEET NO. T5A

SEE SHEET NO. T5C

STA. 48+00

MATCH LINE

8" SSYL

CP-S49
06-60-49

Temporary Barricade (Type III)

GUTHRIE ST. (ASP.)

N 25° 35' 02" E

100'

360' BUFFER

DETOUR
M4-10R
48" X 18"

ROAD CLOSED
R11-2
48" X 30"

LIMIT OF CONST.
STA. 86+38.20

END ROAD WORK
G20-2
36" X 18"

ROAD WORK AHEAD
W20-1
36" X 36"

S.R. 60 STA. 39+03.31 =
GUTHRIE ST. NW STA. 82+06.51
N 313899.4715
E 2302331.4290

S.R. 60 STA. 39+73.22 =
GUTHRIE ST. NW STA. 85+00.00
N 313936.7436
E 2302272.2847

06009-2247-94
END PROJECT NO. HSIP-60(37) R.O.W.
STA. 45+52.38
N 314306.7577 E 2301828.7403

06009-3247-94
END PROJECT NO. HSIP-60(37) CONSTRUCTION
STA. 46+60.00
N 314387.2536 E 2301757.3236

SR60 STA. 46+76.18 =
GEORGETOWNNW STA. 63+13.93
N 314399.6453
E 2301746.9139

S.R. 60 STA. 46+96.59 =
WESTSIDE DR. STA. 70+00.00
N 314415.3708
E 2301733.9162

500'

N 28° 41' 17" E

WESTSIDE DR. (ASP.)

END ROAD WORK
G20-2
36" X 18"

ROAD WORK AHEAD
W20-1
36" X 36"

36" ST

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JOSEPH L. DELORENZO
REGISTERED ENGINEER
No. 0012540
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 35+00 TO STA. 48+00

SCALE: 1"= 50'

PHASE IIA

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T5C
PIH	2026	HSIP-60(37)	T5C
PS&E	2026	HSIP-60(37)	T5C

50

70

SEE SHEET NO. T5B

STA. 48+00

MATCH LINE

W1-4BR
48" X 48"

N 35° 39' 38" W

END
ROAD WORK
G20-2
48" X 24"

SR-60

ROAD
WORK
AHEAD
W20-1
48" X 48"

I-75 NB

I-75 SB

N

W20-1
48" X 48"
ROAD
WORK
1000 FT

W20-1
48" X 48"
ROAD
WORK
1/2 MILE

ROAD
WORK
1 MILE
W20-1
48" X 48"

1600' 2600'

(BOTH
SIDES)

PHASE IIA

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JOSEPH L. DELORENZO
REGISTERED ENGINEER
AGENCY NO. 00125410
COMMERCE
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 48+00 TO STA. 50+90

SCALE: 1"= 50'

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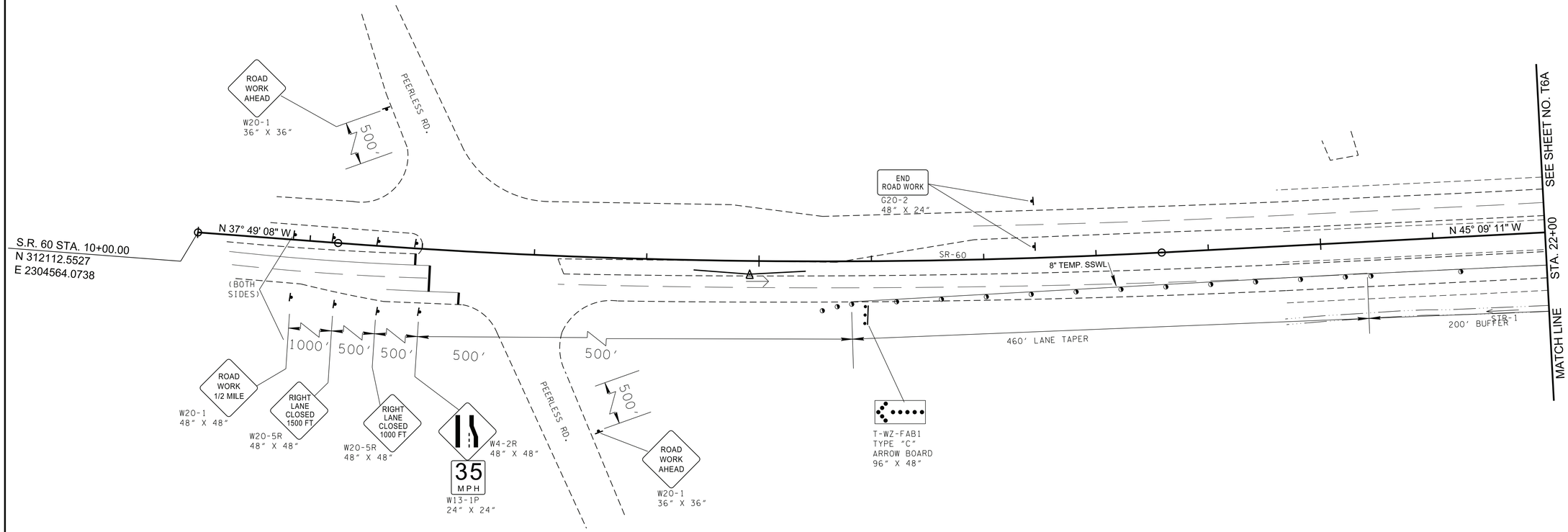
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T6
PIH	2026	HSIP-60(37)	T6
PS&E	2026	HSIP-60(37)	T6

10

15

20

N



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REGISTERED ENGINEER
LICENSE NO. 115
COMMERCE
AND DEVELOPMENT
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

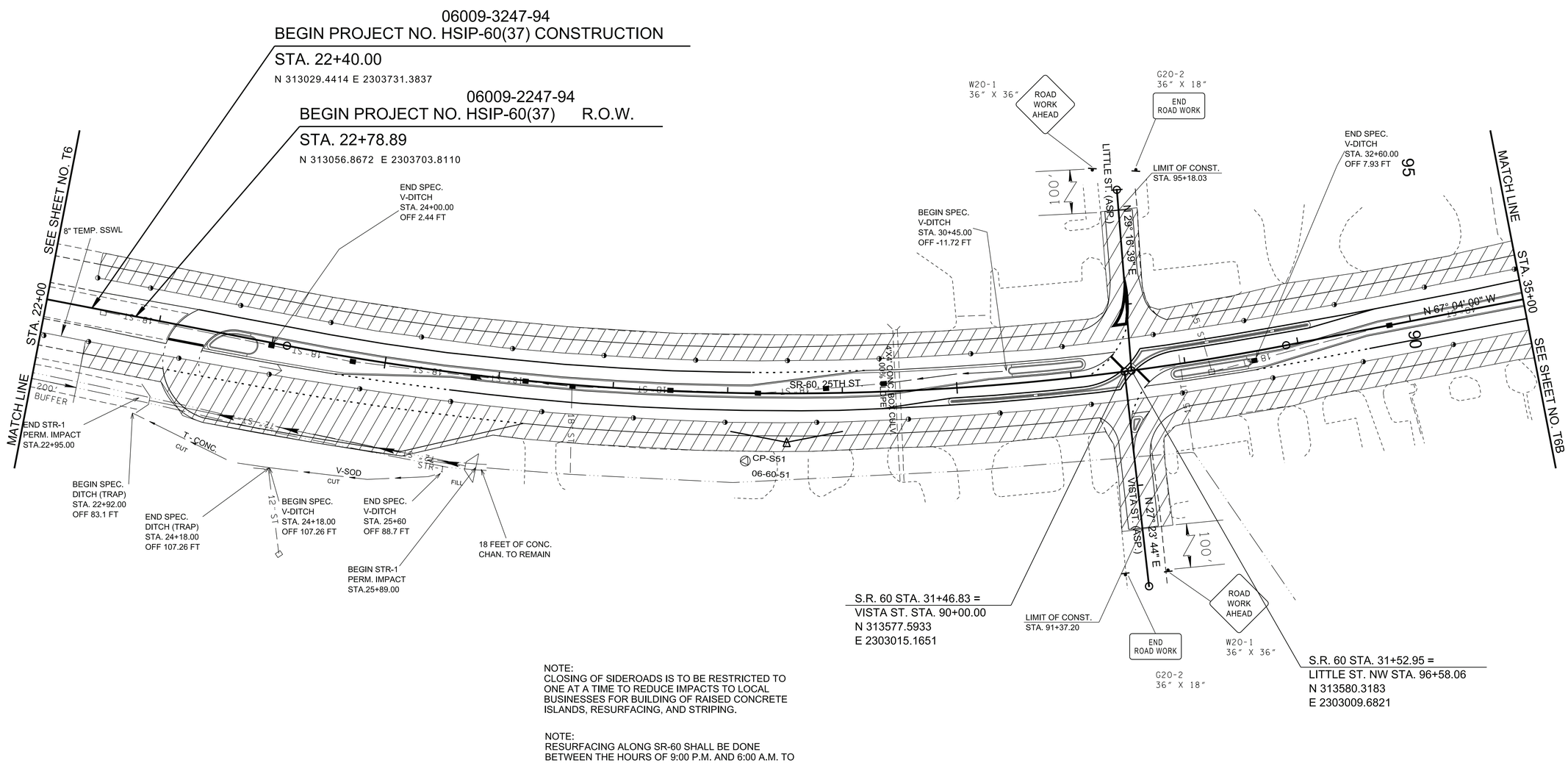
STA. 10+00 TO STA. 22+00

SCALE: 1"= 50'

PHASE III

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T6A
PIH	2026	HSIP-60(37)	T6A
PS&E	2026	HSIP-60(37)	T6A



NOTE:
CLOSING OF SIDEROADS IS TO BE RESTRICTED TO ONE AT A TIME TO REDUCE IMPACTS TO LOCAL BUSINESSES FOR BUILDING OF RAISED CONCRETE ISLANDS, RESURFACING, AND STRIPING.

NOTE:
RESURFACING ALONG SR-60 SHALL BE DONE BETWEEN THE HOURS OF 9:00 P.M. AND 6:00 A.M. TO REDUCE IMPACTS TO DAYTIME TRAFFIC PATTERNS

PHASE III

SEALED BY

JOSEPH L. DELORENZO
REGISTERED ENGINEER
No. 0010520
STATE OF TENNESSEE
07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

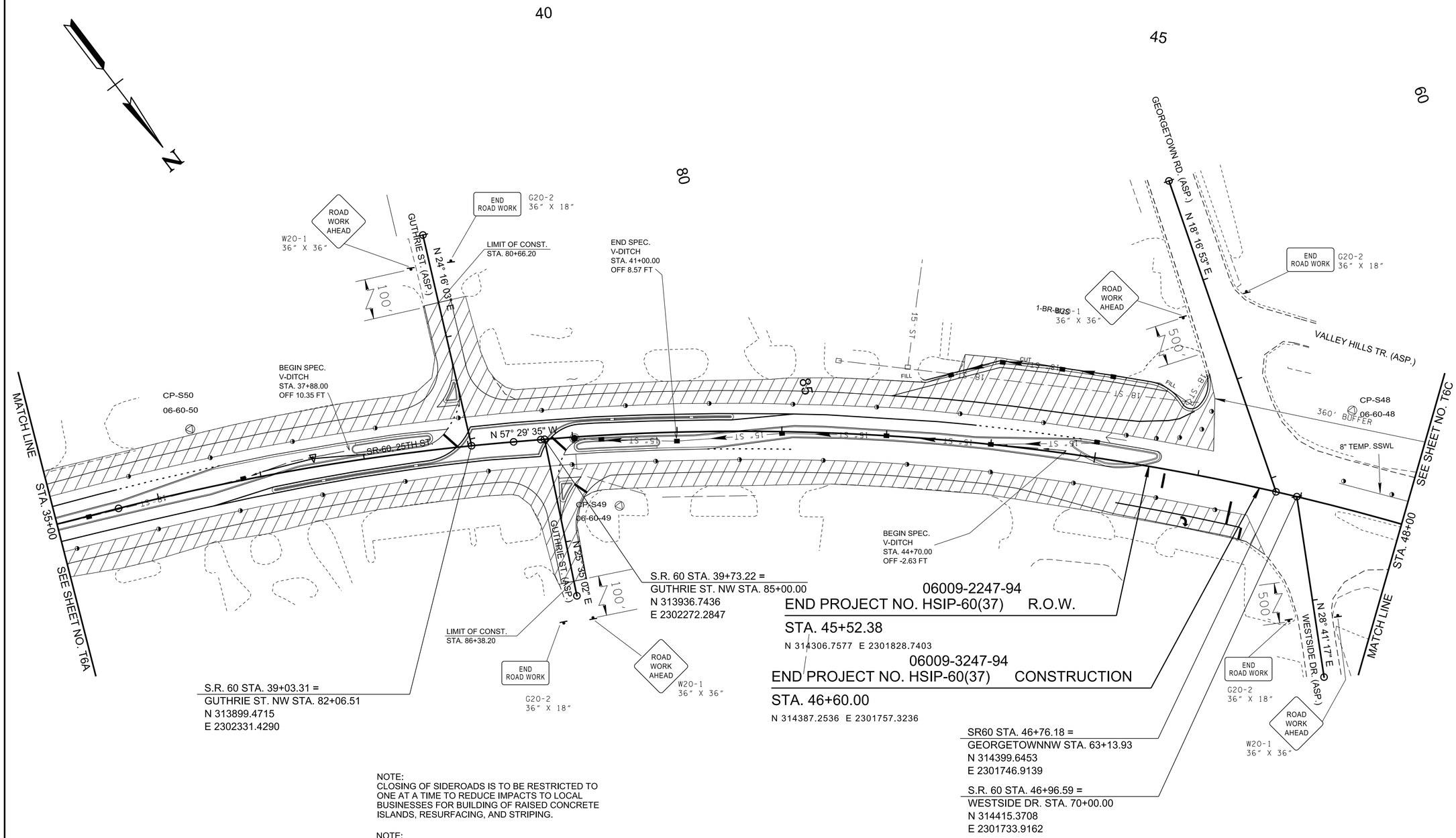
TRAFFIC CONTROL PLANS

STA. 22+00 TO STA. 35+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T6B
PIH	2026	HSIP-60(37)	T6B
PS&E	2026	HSIP-60(37)	T6B



NOTE:
CLOSING OF SIDEROADS IS TO BE RESTRICTED TO ONE AT A TIME TO REDUCE IMPACTS TO LOCAL BUSINESSES FOR BUILDING OF RAISED CONCRETE ISLANDS, RESURFACING, AND STRIPING.

NOTE:
RESURFACING ALONG SR-60 SHALL BE DONE BETWEEN THE HOURS OF 9:00 P.M. AND 6:00 A.M. TO REDUCE IMPACTS TO DAYTIME TRAFFIC PATTERNS

SEALED BY

JOSEPH L. DEBRENZA
REGISTERED ENGINEER
AGENCY USE ONLY
COMMERCE
NO. 0012501
STATE OF TENNESSEE

07-17-26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

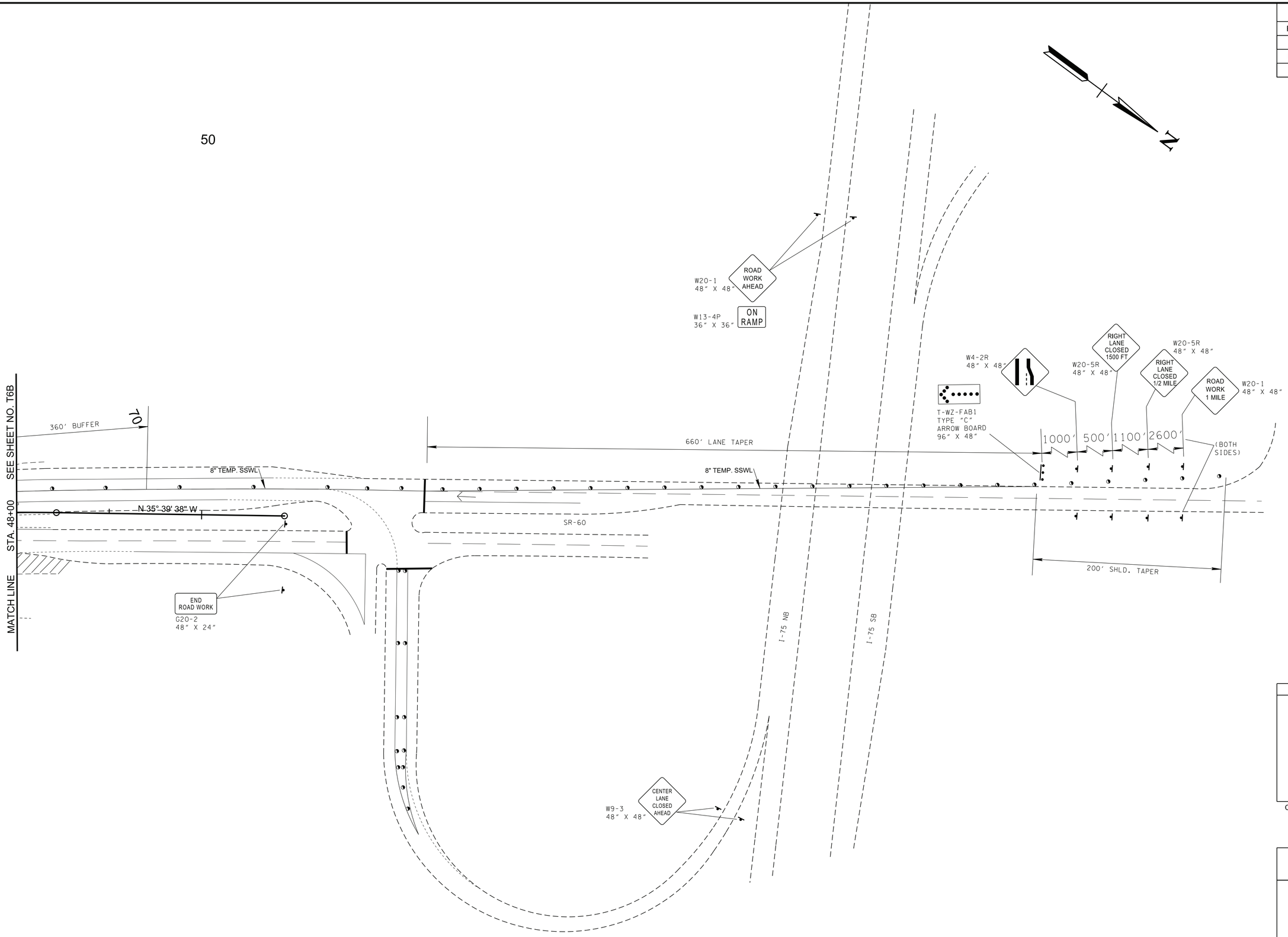
STA. 35+00 TO STA. 48+00

SCALE: 1"= 50'

PHASE III

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	HSIP-60(37)	T6C
PIH	2026	HSIP-60(37)	T6C
PS&E	2026	HSIP-60(37)	T6C



PHASE III

SEALED BY

JOSEPH L. DELORENZO
REGISTERED ENGINEER
AGENCY NO. 00125410
STATE OF TENNESSEE
07-17-26

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 48+00 TO STA. 50+90

SCALE: 1"= 50'

17-JUL-2026 13:11
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-60(37)	S-1

SWPPP INDEX OF SHEETS

DESCRIPTION	SHT.
1. SWPPP REQUIREMENTS (5.0.)	1
2. SITE DESCRIPTION (5.5.1.)	1
3. ORDER OF CONSTRUCTION ACTIVITIES (5.5.1.a)	1
4. STREAM, OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION	1-2
5. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES (5.5.3.)	2-3
6. FLOCCULANTS (3.5.3.1.b)	3
7. UTILITY RELOCATION	3-4
8. MAINTENANCE AND INSPECTION	4
9. SITE ASSESSMENTS (5.5.3.8.)	4
10. STORMWATER MANAGEMENT (5.5.3.11.h)	4-5
11. NON-STORMWATER DISCHARGES (5.5.3.12.)	5
12. SPILL PREVENTION, MANAGEMENT AND NOTIFICATION (5.5.3.7.c, 6.1)	5
13. RECORD-KEEPING	6
14. SITE WIDE/PRIMARY PERMITTEE CERTIFICATION (8.7.5.)	7
15. SECONDARY PERMITTEE (OPERATOR) CERTIFICATION (8.7.6.)	7
16. ENVIRONMENTAL PERMITS (1.5.2.)	7
17. OUTFALL TABLE (5.5.1.c, 6.4.1.e, 6.4.1.f)	8-9

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): 10.250 ACRES

2.3. TOTAL AREA TO BE DISTURBED (5.5.1.b): 1.958 ACRES

2.4. PROJECT DESCRIPTION (5.5.1.a):

TITLE: SR-60, From Near Vista Street to Near Guthrie Street Northwest in Cleveland
COUNTY: Bradley
PIN: 129430.00

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) 12, 12A, DRAINAGE MAP SHEET(S) 7, 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: _____

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)**
Prader silt loam (Melvin)	B/D	32.6	0.43
Sequoia silty clay loam, eroded undulating phase	C	22.8	0.37
Montevallo shaly silt loam, eroded hilly phase	D	16.3	0.24
Sequoia silty clay, severely eroded rolling phase	C	6.7	0.28
Cotaco silt loam	C	6.3	0.37
Sequoia silty clay loam, eroded rolling phase	C	6.0	0.37
Muse silt loam, eroded rolling phase	C	5.1	0.43
Montevallo channery silt loam, 5 to 12 percent slopes	D	2.1	N/A
Tasso-Minvale complex, 2 to 5 percent slopes	C	1.6	0.20
Montevallo shaly silt loam, hilly phase	D	0.3	0.24
Minvale silt loam, eroded rolling phase	B	0.1	0.37
Tasso-Minvale complex, 5 to 12 percent slopes	C	0.1	0.20

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**
PAVEMENT	6.23	60.7		0.9
GRASS	2.65	25.9		0.4
WOODED	1.37	13.4		0.3
WEIGHTED CURVE NUMBER OR C-FACTOR =				0.69

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS				
AREA TYPE	**AREA(AC)**	**PERCENTAGE OF TOTAL AREA (%)**	**RUNOFF CN**	**C FACTOR**
PAVEMENT	7.14	69.7		0.9
GRASS	1.99	19.4		0.4
WOODED	1.12	10.9		0.3
WEIGHTED CURVE NUMBER OR C-FACTOR =				0.74

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 11)

3.2. INSTALL STABILIZED CONSTRUCTION EXITS.

3.3. INSTALL PERIMETER PROTECTION WHERE RUNOFF SHEET FLOWS FROM THE SITE.

3.4. INSTALL INITIAL EPSC MEASURES BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CULVERT OR BRIDGE CONSTRUCTION, CUTTING, FILLING, OR ANY OTHER EARTHWORK OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.

3.5. PERFORM CLEARING AND GRUBBING (NOT MORE THAN TWO WEEKS PRIOR TO GRADING OR EARTH-MOVING. REFER TO THE STABILIZATION PRACTICES BELOW.).

3.6. REMOVE AND STORE TOPSOIL.

3.7. STABILIZE DISTURBED AREAS WITHIN 2 WEEKS OF COMPLETING ANY STAGE AND/OR PHASE OF ACTIVITY (STEEP SLOPES SHALL BE STABILIZED WITHIN 1 WEEK AFTER CONSTRUCTION ACTIVITY HAS TEMPORARY OR PERMANENTLY CEASED).

3.8. INSTALL STORM SEWERS AND CULVERTS.

3.9. INSTALL INLET AND CULVERT PROTECTION ONCE STRUCTURES ARE IN PLACE AND CAPABLE OF INTERCEPTING FLOW.

3.10. PERFORM FINAL GRADING AND INSTALL BASE STONE.

3.11. COMPLETE FINAL PAVING AND SEALING OF CONCRETE.

3.12. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.

3.13. COMPLETE PERMANENT STABILIZATION (TOPSOIL, SEEDING, MULCH, EROSION CONTROL BLANKET, SOD, ETC.)

3.14. REMOVE TEMPORARY EROSION CONTROLS AND ACCUMULATED SEDIMENT FROM AREAS THAT HAVE ESTABLISHED AT LEAST 70 PERCENT UNIFORM PERMANENT VEGETATIVE COVER.

3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

4. STREAM, OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION

4.1. STREAM INFORMATION (5.5.1.h, 5.5.1.i)

4.1.1. WILL CONSTRUCTION AND/OR EROSION PREVENTION AND SEDIMENT CONTROLS IMPACT ANY STREAMS WITHIN THE PROJECT LIMITS? ☒ YES ☐ NO

IF YES, THE IMPACT(S) HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE WATER QUALITY PERMITS.

4.1.2. HAVE ANY OF THE RECEIVING STATE WATERS LESS THAN OR EQUAL TO 1 FLOW MILE DOWN GRADIENT OF THE PROJECT LIMITS BEEN CLASSIFIED BY TDEC AS FOLLOWS (CHECK ALL THAT APPLY):

- ☒ 303d WITH UNAVAILABLE PARAMETERS FOR SILTATION
- ☐ EXCEPTIONAL TENNESSEE WATERS (ETW)

4.1.3. RECEIVING WATERS OF THE STATE (5.5.1.h, 5.5.1.j, 5.5.1.k).

RECEIVING WATERS OF THE STATE INFORMATION					
TDOT STATE WATER LABEL FROM EBR	**NAME OF RECEIVING STATE WATER**	**303d WITH UNAVAILABLE PARAMETERS FOR SILTATION (YES OR NO)**	**ETW (YES OR NO)**	**LOCATED WITHIN PROJECT LIMITS (YES OR NO)**	**LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)**
N/A	South Mouse Creek	Yes	No	No	Yes

4.1.4. RECEIVING WATERS OF THE US (NON STATE WATERS) (4.1.2). LIST ANY FEATURE THAT IS IDENTIFIED AS A WET WEATHER

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

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

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) _____.

IF YES, CHECK THE APPROPRIATE BOX BELOW FOR SIZE OF BUFFER.

☐ 60-FEET FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS (ETW) (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 30-FEET).

A 60 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STATE STREAM WITH THIS DESIGNATION SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 30 FEET AT ANY MEASURED LOCATION. IF THE CONSTRUCTION SITE ENCOMPASSES BOTH SIDES OF A STREAM, BUFFER AVERAGING CAN BE APPLIED TO BOTH SIDES, BUT MUST BE APPLIED INDEPENDENTLY.

☐ 30-FEET FOR ALL OTHER STREAMS (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 15-FEET).

A 30 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STATE STREAM SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 30 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 15 FEET AT ANY MEASURED LOCATION. IF THE CONSTRUCTION SITE ENCOMPASSES BOTH SIDES OF A STREAM, BUFFER AVERAGING CAN BE APPLIED TO BOTH SIDES, BUT MUST BE APPLIED INDEPENDENTLY.

☐ 15-FEET FOR ANY WET WEATHER CONVEYANCES IDENTIFIED AS WATERS OF THE US BY THE US ARMY CORPS OF ENGINEERS.

4.1.6. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES NOT REQUIRED FOR STATE WATERS DUE TO A TDEC ARAP? (1.5.2.)

☒ YES ☐ NO

4.1.7. ARE THERE WATER QUALITY RIPARIAN BUFFER ZONE EXEMPTIONS? (4.1.2.1.) ☐ YES ☒ NO

IF YES, EXISTING CONDITIONS DESCRIPTION:_____

4.1.8. EVERY ATTEMPT SHOULD BE MADE FOR CONSTRUCTION ACTIVITIES TO NOT TAKE PLACE WITHIN THE WATER QUALITY RIPARIAN BUFFER ZONE AND FOR EXISTING FORESTED AREAS TO BE PRESERVED. (4.1.2., 6.4.2.)

4.1.9. BECAUSE OF HEAVY SEDIMENT LOAD ASSOCIATED WITH CONSTRUCTION SITE RUNOFF, WATER QUALITY RIPARIAN BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE WATER QUALITY RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA.

4.1.10. WHERE IT IS NOT PRACTICABLE TO MAINTAIN A FULL WATER QUALITY RIPARIAN BUFFER, BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MUST BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CGP. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

4.2. OUTFALL INFORMATION

4.2.1. OUTFALL TABLE (5.5.1.c). SEE SWPPP SHEET S-8, 9 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) _____.

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) _____.

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 5-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.)?

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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 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.).

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 11 (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.

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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.

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

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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).

☒ FERTILIZERS AND LIME

☐ PESTICIDES AND/OR HERBICIDES

☒ DIESEL AND GASOLINE

☒ MACHINERY LUBRICANTS (OIL AND GREASE)

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

11. NON-STORMWATER DISCHARGES (5.5.3.12.)

11.1. THE FOLLOWING NON-STORMWATER DISCHARGES ARE ANTICIPATED DURING THE CONSTRUCTION OF THIS PROJECT (CHECK ALL THAT APPLY):

☒ DEWATERING OF WORK AREAS OF COLLECTED STORMWATER AND GROUND WATER.

☐ WATERS USED TO WASH VEHICLES (OF DUST AND SOIL) WHERE DETERGENTS ARE NOT USED AND DETENTION AND/OR FILTERING IS PROVIDED BEFORE THE WATER LEAVES THE SITE.

☒ WATER USED TO CONTROL DUST. (3.5.3.1.n)

☐ POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHING FROM WHICH CHLORINE HAS BEEN REMOVED TO THE MAXIMUM EXTENT PRACTICABLE.

☐ UNCONTAMINATED GROUNDWATER OR SPRING WATER.

☐ FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH POLLUTANTS.

☐ OTHER: _____

11.2. ALL ALLOWABLE NON-STORMWATER DISCHARGES WILL BE DIRECTED TO STABLE DISCHARGE STRUCTURES PRIOR TO LEAVING THE SITE. FILTERING OR CHEMICAL TREATMENT MAY BE NECESSARY PRIOR TO DISCHARGE. ALL CHEMICAL TREATMENTS MUST BE APPLIED PER SECTION 6 FLOCCULANTS.

11.3. THE DESIGN OF ALL IMPACTED EPSC MEASURES RECEIVING FLOW FROM ALLOWABLE NON-STORMWATER DISCHARGES MUST BE DESIGNED TO HANDLE THE VOLUME OF THE NON-STORMWATER COMPONENT.

11.4. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS WILL NOT BE PERMITTED ON-SITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.

11.5. ARE ANY DISCHARGES ASSOCIATED WITH INDUSTRIAL (NON-CONSTRUCTION STORMWATER) ACTIVITY EXPECTED (5.5.1.g)?

☐ YES ☒ NO

IF YES, SPECIFY THE LOCATION OF THE ACTIVITY AND ITS PERMIT NUMBER: _____

12. SPILL PREVENTION, MANAGEMENT AND NOTIFICATION (5.5.3.7.c, 6.1)

12.1. SPILL PREVENTION (5.5.3.7.c)

12.1.1. CONTRACTOR'S BULK FUEL AND PETROLEUM PRODUCTS STORED ON-SITE OR ADJACENT TO THE R.O.W. IN ABOVE GROUND STORAGE TANKS WITH AGGREGATE STORAGE CAPACITY IN EXCESS OF 1,320 GALLONS SHALL HAVE SECONDARY CONTAINMENT.

12.1.2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN AS REQUIRED BY TDOT SPECIAL PROVISION 107FP (REGARDING WATER QUALITY AND STORM WATER PERMITS) AND THE LAW PRIOR TO STORING 1320 GALLONS ON SITE.

12.1.3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ANY NECESSARY LOCAL, STATE, AND FEDERAL PERMITS. THE SPCC PLAN AND/OR PERMITS SHALL BE KEPT ON-SITE AND A COPY PROVIDED TO THE TDOT CONSTRUCTION ENGINEER.

12.2. MATERIAL MANAGEMENT

12.2.1. HOUSEKEEPING

ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ON-SITE BY THE CONTRACTOR. EXCEPT FOR BULK MATERIALS THE CONTRACTOR WILL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING WILL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHEN POSSIBLE, ALL PRODUCTS WILL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFF SITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS WILL BE FOLLOWED. THE CONTRACTOR'S SITE SUPERINTENDENT WILL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL. DUST GENERATED WILL BE CONTROLLED IN AN ENVIRONMENTALLY SAFE MANNER. VEGETATION AREAS NOT ESSENTIAL TO THE CONSTRUCTION PROJECT WILL BE PRESERVED AND MAINTAINED AS NOTED ON THE PLANS.

12.2.2. HAZARDOUS MATERIALS

PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS UNLESS THE CONTAINER IS NOT RE-SEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS WILL BE RETAINED IN A SAFE PLACE TO RELAY IMPORTANT PRODUCT INFORMATION. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S LABEL DIRECTIONS FOR DISPOSAL WILL BE FOLLOWED. MAINTENANCE AND REPAIR OF ALL EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, DE-GREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS WILL BE CONDUCTED ON AN IMPERVIOUS SURFACE AND UNDER COVER DURING WET WEATHER TO PREVENT THE RELEASE OF CONTAMINANTS ONTO THE GROUND. WHEEL WASH WATER WILL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER WILL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM. POTENTIAL pH-MODIFYING MATERIALS SUCH AS: BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHINGS AND CURING WATERS, CONCRETE PUMPING, AND MIXER WASHOUT WATERS WILL BE COLLECTED ON SITE AND MANAGED TO PREVENT CONTAMINATION OF STORMWATER RUNOFF.

12.3. PRODUCT SPECIFIC PRACTICES

12.3.1. PETROLEUM PRODUCTS: ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.

12.3.2. FERTILIZERS: FERTILIZERS WILL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED BY TDOT. ONCE APPLIED, FERTILIZERS WILL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER. FERTILIZERS WILL BE STORED IN AN ENCLOSED AREA UNDER COVER. THE CONTENTS OF PARTIALLY USED FERTILIZER BAGS WILL BE TRANSFERRED TO SEALABLE CONTAINERS TO AVOID SPILLS.

12.3.3. PAINTS: ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. THE EXCESS WILL BE DISPOSED OF PER THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.

12.3.4. CONCRETE TRUCKS: CONTRACTORS WILL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED AND NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. UPON COMPLETION OF CONSTRUCTION WASHOUT AREAS WILL BE PROPERLY STABILIZED.

12.4. SPILL MANAGEMENT

IN ADDITION TO THE PREVIOUS HOUSEKEEPING AND MANAGEMENT PRACTICES, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP IF NECESSARY:

12.4.1. ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANGE OF LEAKAGE AND SPILLS.

12.4.2. FOR ALL HAZARDOUS MATERIALS STORED ON SITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP WILL BE CLEARLY POSTED. SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.

12.4.3. APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT WILL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ON-SITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.

12.4.4. ALL SPILLS SHALL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

12.4.5. THE CONTRACTOR'S RESPONSIBLE PARTY WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.

12.4.6. IF SPILLS REPRESENT AN IMMINENT THREAT OF ESCAPING THE SITE AND ENTERING RECEIVING WATERS, PERSONNEL WILL RESPOND IMMEDIATELY TO CONTAIN THE RELEASE AND NOTIFY THE SUPERINTENDENT AFTER THE SITUATION HAS BEEN STABILIZED.

12.4.7. IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION WILL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR WILL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.

12.4.8. IF A SPILL OCCURS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE TDOT PROJECT RESPONSIBLE PARTY. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

12.5. SPILL NOTIFICATION (6.1)

WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO, OR MORE THAN A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD:

12.5.1. THE TDOT PROJECT ENGINEER IS RESPONSIBLE FOR NOTIFYING THE REGIONAL PROJECT DEVELOPMENT OFFICE (E.G. TRANSPORTATION ENVIRONMENTAL STUDIES SPECIALIST) AS SOON AS HE OR SHE HAS KNOWLEDGE OF THE DISCHARGE.

12.5.2. THE TDOT REGIONAL PROJECT DEVELOPMENT OFFICE WILL NOTIFY THE LOCAL TDEC ENVIRONMENTAL FIELD OFFICE AND ANY OTHER APPLICABLE REGULATORY AGENCIES WITHIN 24 HOURS OF THE SPILL.

12.5.3. IN ADDITION TO ANY FOLLOW UP NOTIFICATIONS REQUIRED BY FEDERAL LAW, A WRITTEN DESCRIPTION OF THE RELEASE, DATE OF RELEASE AND CIRCUMSTANCES LEADING TO THE RELEASE, WHAT ACTIONS WERE TAKEN TO MITIGATE EFFECTS OF THE RELEASE, AND STEPS TAKEN TO MINIMIZE THE CHANCE OF FUTURE OCCURRENCES WILL BE SUBMITTED TO THE APPROPRIATE TDEC ENVIRONMENTAL FIELD OFFICE WITHIN 2 WEEKS OF KNOWLEDGE OF THE RELEASE.

12.5.4. THE SWPPP MUST BE MODIFIED WITHIN 2 WEEKS OF KNOWLEDGE OF THE RELEASE PROVIDING A DESCRIPTION OF THE RELEASE, CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF RELEASE. THE SWPPP WILL BE REVIEWED AND MODIFIED AS NECESSARY TO IDENTIFY MEASURES TO PREVENT THE REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES.

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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

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.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-60(37)	S-7

14. SITE WIDE/PRIMARY PERMITTEE CERTIFICATION (8.7.5.)

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED BY ME, OR UNDER MY DIRECTION OR SUPERVISION. THE SUBMITTED INFORMATION IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. AS SPECIFIED IN TENNESSEE CODE ANNOTATED SECTION 39-16-702(a)(4), THIS DECLARATION IS MADE UNDER PENALTY OF PERJURY.

AUTHORIZED TDOT PERSONNEL SIGNATURE (5.3.3.)

Scott Medlin

PRINTED NAME

TDOT Manager

TITLE

4/24/2026

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			
CORPS OF ENGINEERS (USACE)			
TVA 26A			
TDEC CGP			
OTHER:			

*THE TDOT ENVIRONMENTAL DIVISION MUST BE NOTIFIED SIX MONTHS PRIOR TO PERMIT EXPIRATION DATE.

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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		STA 22+50 RT	0.01	0.38	0.21		N/A	N/A	STR-1	
OUT-2		STA 22+58 LT	0.02	1.75	1.75		N/A	N/A	STR-1	
OUT-3		STA 25+99 RT	0.07	0.13	0.13		N/A	N/A	STR-1	
OUT-4		STA 25+88 RT	0.06	0.13	0.13		N/A	N/A	STR-1	
OUT-5		STA 25+78 RT	0.01	0.11	0.07		N/A	N/A	STR-1	
OUT-6		STA 26+64 RT	0.02	0.19	0.11		N/A	N/A	STR-1	
OUT-7		STA 26+69 RT	0.04	0.35	0.35		N/A	N/A	STR-1	
OUT-8		STA 28+26 RT	0.05	0.35	0.10		N/A	N/A	STR-1	
OUT-9		STA 32+22 RT	0.01	0.14	0.05		N/A	N/A	STR-1	
OUT-10		STA 32+40 RT	0.03	0.40	0.40		N/A	N/A	STR-1	
OUT-11		STA 33+81 RT	0.03	0.26	0.15		N/A	N/A	STR-1	
OUT-12		STA 33+91 RT	0.02	0.23	0.23		N/A	N/A	STR-1	
OUT-13		STA 34+79 RT	0.01	0.18	0.18		N/A	N/A	STR-1	
OUT-14		STA 35+60 RT	0.03	0.21	0.21		N/A	N/A	STR-1	
OUT-15		STA 36+50 RT	0.03	0.06	0.06		N/A	N/A	STR-1	
OUT-16		STA 36+83 LT	0.02	0.23	0.48		N/A	N/A	STR-1	
OUT-17		STA 36+89 RT	0.02	0.07	0.07		N/A	N/A	STR-1	
OUT-18		STA 37+29 RT	0.03	0.15	0.15		N/A	N/A	STR-1	
OUT-19		STA 38+08 RT	0.03	0.06	0.06		N/A	N/A	STR-1	
OUT-20		STA 38+51 RT	0.03	0.11	0.11		N/A	N/A	STR-1	
OUT-21		STA 39+11 RT	0.04	0.14	0.14		N/A	N/A	STR-1	
OUT-22		STA 40+02 RT	0.04	0.15			N/A	N/A	STR-1	
OUT-23		STA 40+44 RT	0.05	0.12			N/A	N/A	STR-1	
OUT-24		STA 40+58 RT	0.05	0.36	0.36		N/A	N/A	STR-1	
OUT-25		STA 42+47 LT	0.05	0.27			N/A	N/A	STR-1	
OUT-26		STA 43+15 LT	0.04	0.15	0.07		N/A	N/A	STR-1	
OUT-27		STA 43+15 RT	0.06	0.50	0.50		N/A	N/A	STR-1	
OUT-28		STA 45+78 LT	0.06	0.29	0.29		N/A	N/A	STR-1	
OUT-29		STA 45+90 LT	0.05	0.15	0.15		N/A	N/A	STR-1	
OUT-30		STA 23+00 RT	0.07		2.36		N/A	N/A	STR-1	
OUT-31		STA 23+97 RT	0.02		0.16		N/A	N/A	STR-1	
OUT-32		STA 24+71 RT	0.05		0.32		N/A	N/A	STR-1	
OUT-33		STA 26+24 RT	0.04		0.08		N/A	N/A	STR-1	
OUT-34		STA 27+50 RT	0.04		0.11		N/A	N/A	STR-1	
OUT-35		STA 28+85 RT	0.08		0.09		N/A	N/A	STR-1	
OUT-36		STA 32+60 RT	0.05		0.20		N/A	N/A	STR-1	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	HSIP-60(37)	S-9

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-37		STA 35+31 RT	0.15		0.10		N/A	N/A	STR-1	
OUT-38		STA 40+27 RT	0.02		0.20		N/A	N/A	STR-1	
OUT-39		STA 41+00 RT	0.01		0.16		N/A	N/A	STR-1	
OUT-40		STA 42+00 RT	0.01		0.07		N/A	N/A	STR-1	
OUT-41		STA 40+01 RT	0.01		0.13		N/A	N/A	STR-1	
OUT-42		STA 43+00 RT	0.01		0.18		N/A	N/A	STR-1	
OUT-43		STA 43+56 LT	0.01		0.05		N/A	N/A	STR-1	
OUT-44		STA 44+00 RT	0.01		0.19		N/A	N/A	STR-1	
OUT-45		STA 44+03 LT	0.01		0.06		N/A	N/A	STR-1	
OUT-46		STA 44+59 LT	0.01		0.07		N/A	N/A	STR-1	
OUT-47		STA 44+99 LT	0.01		0.17		N/A	N/A	STR-1	
OUT-48		STA 45+06 LT	0.01		0.07		N/A	N/A	STR-1	

ALL UNUSED FIELDS WITHIN THE OUTFALL TABLE ARE TO BE SHADED, HATCHED, OR REMOVED TO INDICATE THEIR NON-USAGE.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	HSIP - 60 (37)	U1-1
		129430.00	

Index Of Sheets	
SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITIES OWNERS, GENERAL NOTES AND UTILITY SHEETS	U1-1
WATER RELOCATION PLANS	U2-1
ELECTRIC RELOCATION PLANS	U3-1 AND U3-2
SEWER RELOCATION PLANS	U4-1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

BRADLEY COUNTY

STATE ROUTE 60 SAFETY J-TURN BETWEEN
VISTA STREET AND GUTHRIE STREET NW

UTILITY OWNERS AND CONTACTS:

ELECTRIC:
CLEVELAND UTILTIES - ELECTRICAL/LIGHTING
2450 GUTHRIE AVE NW
CLEVELAND, TN 37311

KIMBERLY DUNCAN-OPERATIONS
KDUNCAN@CLEVELANDUTILITIES.COM
(423) 478 - 9316

WATER :
CLEVELAND UTILITIES - WATER
2450 GUTHRIE AVE NW
CLEVELAND, TN 37311

MR. SAM DYER
SDYER@CLEVELANDUTILITIES.COM
(423) 478-6296

(NOT ON PROJECT)
CABLE TV:
CHARTER COMMUNICATIONS
1103 S. HAMILTON ST
DALTON, GA 30720

MR. ERIC CHADWICK
ERIC.CHADWICK@CHARTER.COM
(706) 483-4925

SANITARY SEWER :
CLEVELAND UTILITIES - SEWER
2450 GUTHRIE AVE NW
CLEVELAND, TN 37311

MR. GREG CLARK
GCLARK@CLEVELANDUTILITIES.COM
(423) 478-9777

(NO KNOWN CONFLICTS)
GAS:
CHATTANOOGA GAS CO.(SOUTHERN CO-ATLANTA GAS)
P.O. BOX 4569
ATLANTA, GA 30302

MR. TAHA HAVELIWALA
X2THAVEL@SOUTHERNCO.COM
(404) 499-5694

(NO KNOWN CONFLICTS)
TELEPHONE:
BELLSOUTH DBA AT&T
300 E MARTIN LUTHER KING BLVD, 5TH FL
CHATTANOOGA, TN 37403

MR. JOE PERREL
JP1389@ATT.COM
(423) 488- 2825

SPECIAL NOTES

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

ALL UTILITIES ARE EITHER NOT IN CONFLICT OR ARE MOVING AT OWN COST DURING THE CONSTRUCTION OF THE PROJECT. CONTRACTOR SHALL GIVE SEVEN (7) DAYS NOTICE CLEVELAND UTILITIES AS SHOWN ON FOLLOWING UTILITY REFERENCE SHEETS.

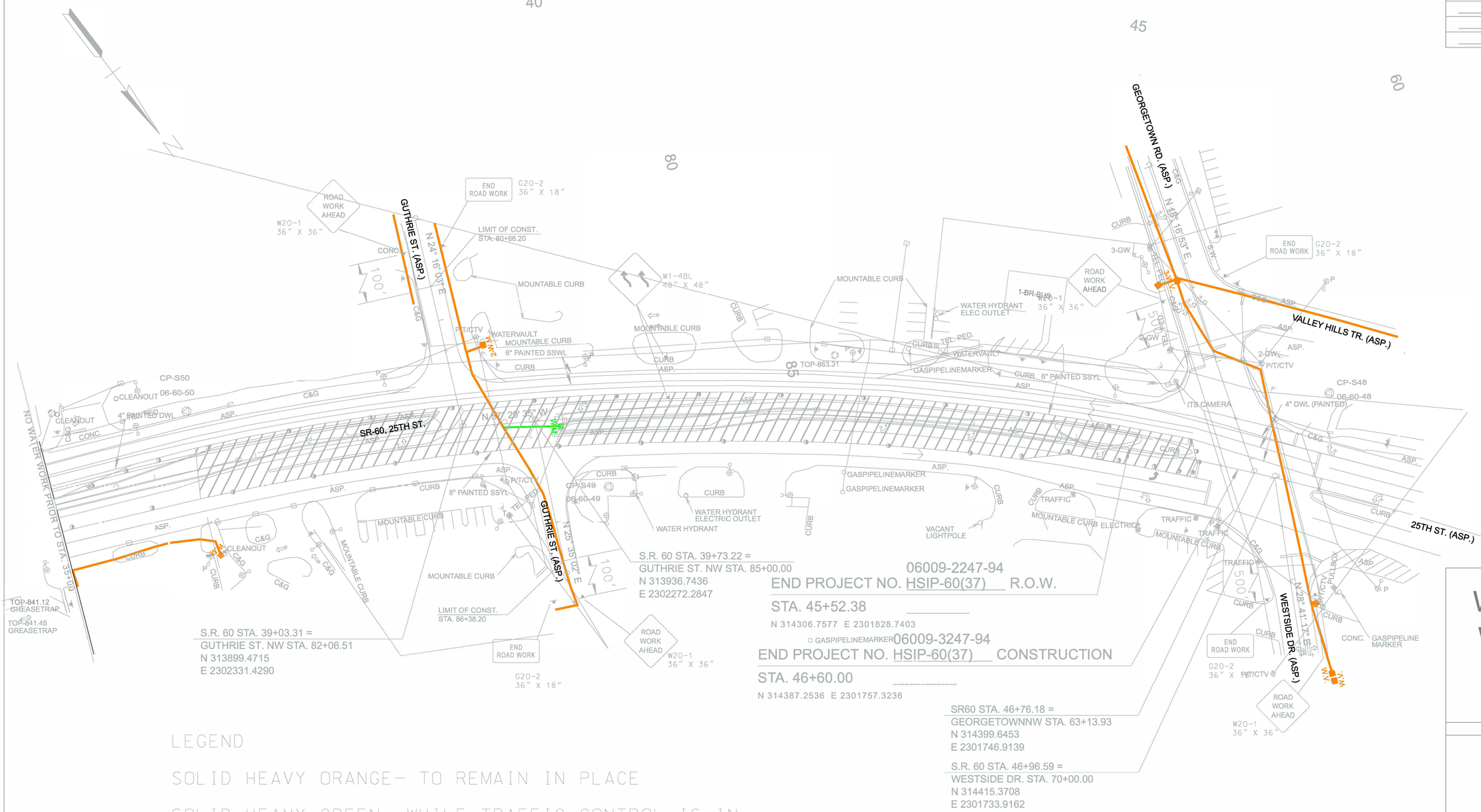
SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY
REFERENCE

$$$$SYTIME$$$$$$
$$$DGNSPEC$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	HSIP - 60 (37)	U2 - 1



LEGEND

SOLID HEAVY ORANGE- TO REMAIN IN PLACE

SOLID HEAVY GREEN- WHILE TRAFFIC CONTROL IS IN PHASE IIA AND NO TRAFFIC IN THE AREA OF EXISTING ASPHALT BETWEEN MEDIANS; CLEVELAND UTILITIES WILL MOBILIZE AND CAP OFF 1 IN. LINE AND REMOVE METER

CONTRACTOR TO CALL AND COORDINATE WITH CLEVELAND UTILITIES TO EXTENT OF 1 WEEK NOTICE BEFORE CLOSURE OF LANES, COMMUNICATE WHEN THEY MAY BRING THEIR FORCES INTO WORK AREA, AND ALLOW THEM ROOM TO DO THE CAPPING OFF OF THE 1 IN. FEEDER LINE

CLEVELAND WATER UTILITY
PHASE IIA WORK BETWEEN
GUTHRIE STREET SOUTH &
GUTHRIE STREET NORTH

WATER WORK ONLY

SEALED BY

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 35+00 TO STA. 46 + 60
SCALE: 1"= 50'

$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

SNAP PT
$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	HSIP-60(37)	U3 - 2

40

45

60

80

85

SEVEN DAYS PRIOR TO CONTRACTOR SETTING OUT TRAFFIC CONTROL DEVICES FOR PHASE III WORK- CONTACT CLEVELAND UTILITIES FOR REMOVAL OF LIGHT POLE AND CIRCUIT.

N

ROAD WORK AHEAD
W20-1
36" X 36"

END ROAD WORK
G20-2
36" X 18"

GUTHRIE ST. (ASP.)
N 24° 16' 03" E
100'

LIMIT OF CONST.
STA. 80+66.20

MATCH LINE
STA. 35+00

SEE SHEET NO. U3 - 1

CP-S50
06-60-50

SR-60, 25TH ST.
N 57° 29' 35" W

CP-S49
06-60-49

GUTHRIE ST. (ASP.)
N 24° 16' 02" E
100'

LIMIT OF CONST.
STA. 86+38.20

S.R. 60 STA. 39+03.31 =
GUTHRIE ST. NW STA. 82+06.51
N 313899.4715
E 2302331.4290

S.R. 60 STA. 39+73.22 =
GUTHRIE ST. NW STA. 85+00.00
N 313936.7436
E 2302272.2847

END ROAD WORK
G20-2
36" X 18"

ROAD WORK AHEAD
W20-1
36" X 36"

06009-2247-94
END PROJECT NO. HSIP-60(37) R.O.W.
STA. 45+52.38
N 314306.7577 E 2301828.7403

06009-3247-94
END PROJECT NO. HSIP-60(37) CONSTRUCTION
STA. 46+60.00
N 314387.2536 E 2301757.3236

GEORGETOWN RD. (ASP.) N 18° 16' 53" E

ROAD WORK AHEAD
1-BR-60S-1
36" X 36"
500'

END ROAD WORK
G20-2
36" X 18"

VALLEY HILLS TR. (ASP.)

CP-S48
360° BUFFER
06-60-48

NO LIGHTS BEYOND STA. 48+00

WESTSIDE DR. (ASP.)
N 28° 41' 17" E
1500'

END ROAD WORK
G20-2
36" X 18"

ROAD WORK AHEAD
W20-1
36" X 36"

SR60 STA. 46+76.18 =
GEORGETOWNNW STA. 63+13.93
N 314399.6453
E 2301746.9139

S.R. 60 STA. 46+96.59 =
WESTSIDE DR. STA. 70+00.00
N 314415.3708
E 2301733.9162

LIGHT POLE ONLY

SEALED BY

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 35+00 TO STA. 48+00
SCALE: 1"= 50'

PHASE III

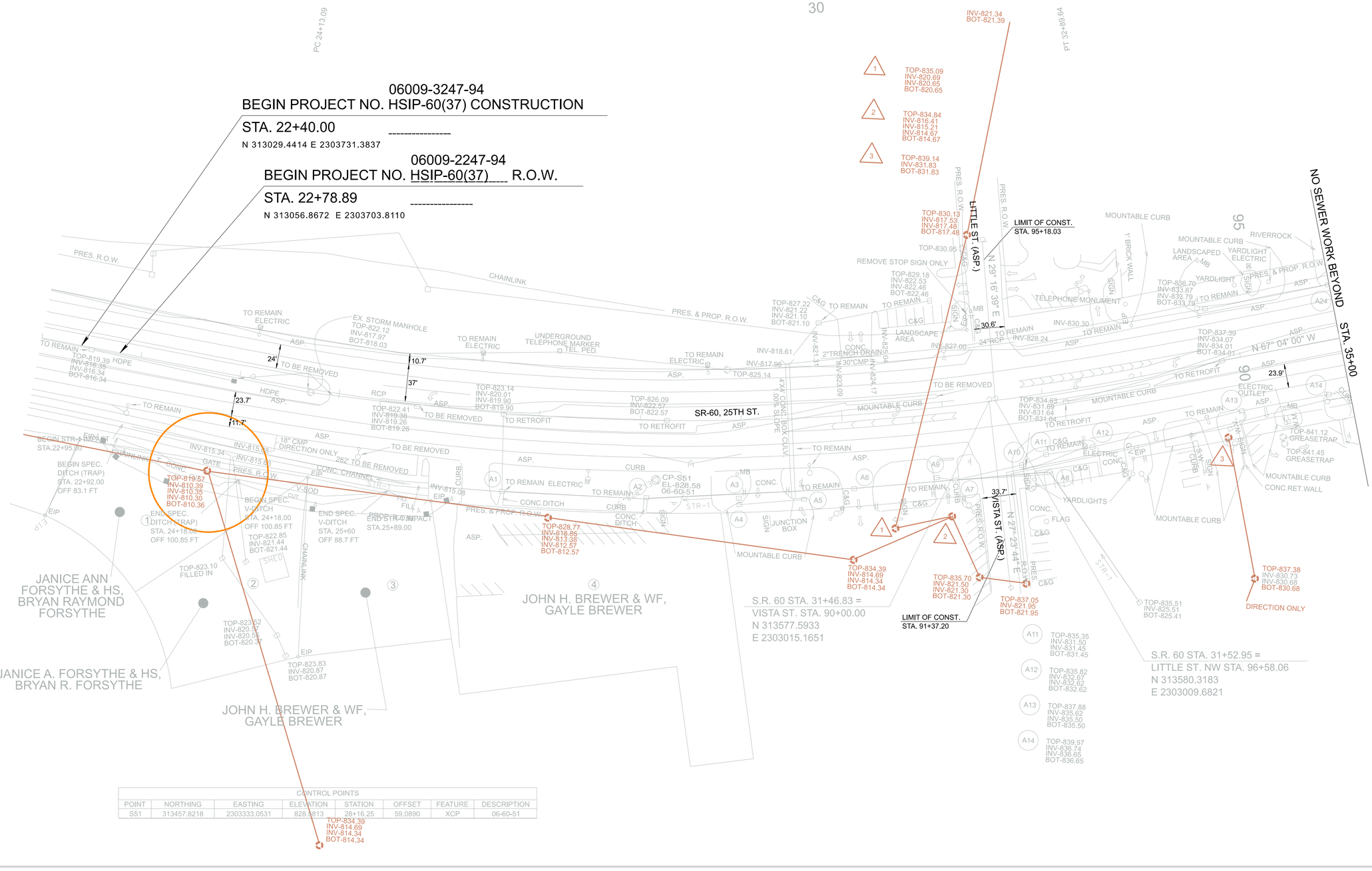
$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
P S & E	2026	HSIP-60(37)	U4 - 1

LEGEND

HEAVY ORANGE LINE INDICATES ALL SANITARY SEWER TO REMAIN (NOT IN CONFLICT)

WITHIN HEAVY ORANGE CIRCLE'S CENTER INDICATES SINGLE MANHOLE RISER TO BE ADAPTED TO FINAL SLOPE BEHIND GUARDRAIL AT STATION 23 + 87.06 (98 FT. RIGHT)



CONTROL POINTS							
POINT	NORTHING	EASTING	ELEVATION	STATION	OFFSET	FEATURE	DESCRIPTION
S51	313457.8218	2303333.0531	828.3813	28+16.25	59.0890	XCP	06-60-51

SANITARY MANHOLE PLANS

SEALED BY

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00003 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

STA. 22+40 TO STA. 35+00
SCALE: 1"= 50'

$$$$SYTIME$$$$$$
$$$DGNSPEC$$$$$$$