THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Digitally signed by ERIC MU YOUNG KIM
Date: 2026.05.29 14:40:16 -04'00'

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TENNESSEE DEPARTMENT OF TRANSPORTATION
7345 REGION LANE
KNOXVILLE, TN 37914
ERIC KIM, P.E. NO. 127831

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

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD TRAFFIC DESIGN DRAWINGS	1A3
ESTIMATED ROADWAY QUANTITIES	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B
TYPICAL SECTIONS	2B1, 2B2
GENERAL NOTES	2C, 2C1
SPECIAL NOTES	2D
ENVIRONMENTAL NOTES	2E
TABULATED QUANTITIES	2F, 2F1
RIGHT-OF-WAY NOTES, UTILITY NOTES, AND UTILITY OWNERS	3
RIGHT-OF-WAY ACQUISITION TABLE	3A
PROPERTY MAP	3B
PRESENT LAYOUT	4
RIGHT-OF-WAY DETAILS	4A
PROPOSED LAYOUT	4B
PROPOSED PROFILE	4C
SIDE ROADS PROFILE	5
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILE	6
DRAINAGE MAP	7
CULVERT SECTION	8
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	9 – 13
ROADWAY CROSS SECTIONS	15 – 20
SIDE ROAD CROSS SECTIONS	21 – 40
DRIVEWAY CROSS SECTIONS	41 – 44
TRAFFIC CONTROL PLANS	T1 – T6

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Bryan Bartnik
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TENNESSEE DEPARTMENT OF TRANSPORTATION
7345 REGION LANE
KNOXVILLE, TN 37914
BRYAN BARTNIK, P.E. NO. 119211

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

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN1
SIGN SCHEDULE SHEET	14

YEAR	PROJECT NO.	SHEET NO.
2026	NH-SIP-9(124)	ROADWAY-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEETS

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Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

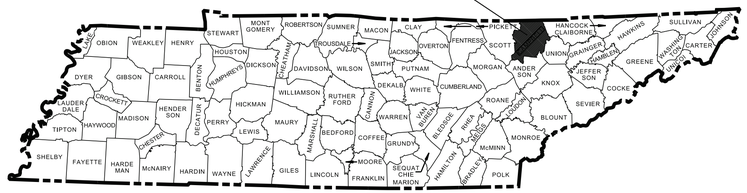
DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES	NO X
WORK ZONE SIGNIFICANCE DETERMINATION		
SIGNIFICANT	YES	NO X
RAILROAD INVOLVEMENT	YES	NO X

TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	NH-SIP-9(124)	
STATE PROJ. NO.	07S009-F3-002	

CAMPBELL COUNTY

S.R. 9 (U.S. 25W): INTERSECTION AT
HUNTERS BRANCH ROAD IN LAFOLLETTE

CAMPBELL COUNTY - S.R. 9
BRIDGE ID. # 07SR0090015
07SR0090017

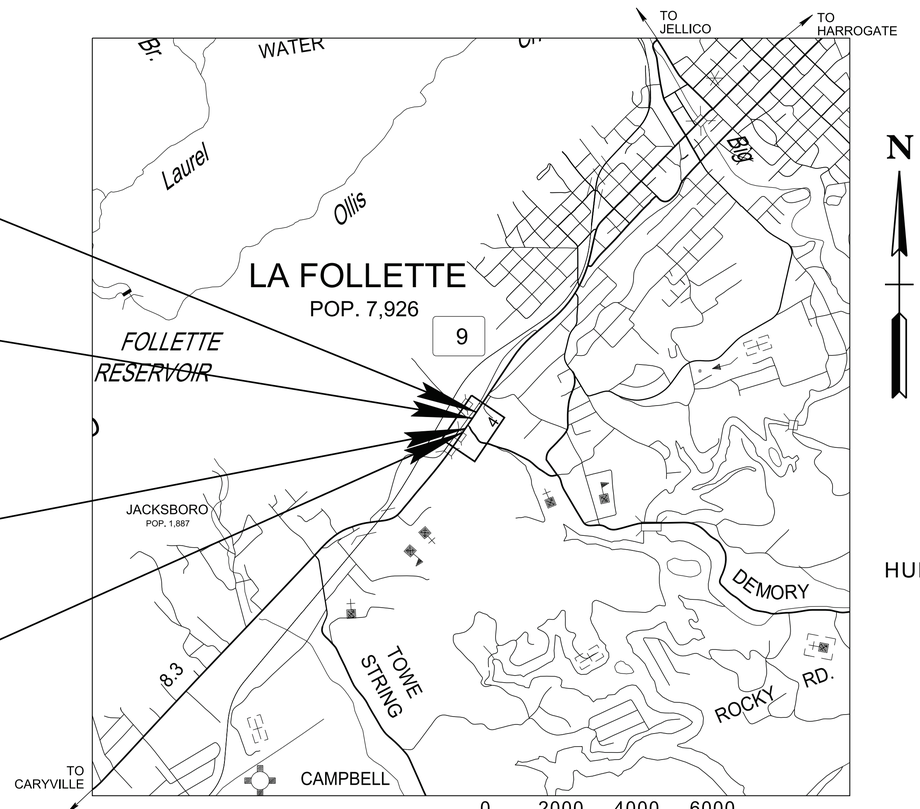


NH-SIP-9(124)
END PROJECT NO. 07S009-F3-002 CONSTRUCTION
STA. 108+20.00
N 743313.6217 E 2515754.5146

END PROJECT NO. 07S009-S2-004 RIGHT-OF-WAY
STA. 106+25.00
N 743151.9868 E 2515645.4401

BEGIN PROJECT NO. 07S009-S2-004 RIGHT-OF-WAY
STA. 102+97.00
N 742880.0983 E 2515461.9640

NH-SIP-9(124)
BEGIN PROJECT NO. 07S009-F3-002 CONSTRUCTION
STA. 101+78.00
N 742781.4607 E 2515395.4013



NO EXCLUSIONS

HUNTERS BRANCH ROAD TO BE CLOSED DURING CONSTRUCTION

SEALED BY
ERIC KIM
REGISTERED ENGINEER
AGRICULTURE
NUMBER 127851
STATE OF TENNESSEE
05/29/2026

PROJECT OF LIMITED SCOPE

APPROVED:
SHANE HESTER, CHIEF ENGINEER
DATE:
APPROVED:
WILL REID, COMMISSIONER

SPECIAL NOTES

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

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED APRIL 1, 2026 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT PROJECT MANAGER : ERIC WILSON, P.E.
DESIGNER : JOHN CLEGHORN CHECKED BY : AARON HAYS, P.E.
P.E. NO. 07S009-S1-002 (DESIGN)
PIN NO. 131606.00

R.O.W. LENGTH	0.062 MILES
ROADWAY LENGTH	0.121 MILES
BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.011 MILES ▲
PROJECT LENGTH	0.121 MILES

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

HUNTERS BRANCH RD. 01-28-26

TRAFFIC DATA	
ADT (2026)	2940
ADT (2046)	3880
DHV (2046)	394
D	55 - 45
T (ADT)	3 %
T (DHV)	2 %
V	30 MPH

S.R. 9 01-28-26

SURVEY 07-29-21	TRAFFIC DATA	
03-23-22 UPDATED	ADT (2026)	30410
05-26-22 UPDATED	ADT (2046)	34930
	DHV (2046)	3449
	D	55 - 45
	T (ADT)	4 %
	T (DHV)	3 %
	V	40 MPH

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	NH-SIP-9(124)	1A

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
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TRAFFIC CONTROL PLANS	T1 – T6
GEOTECHNICAL PLANS	G-1
SIGNAL PLANS	SIG-1
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PLANS	S-1
UTILITY PLANS	U1-1

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

*NO PROJECT COMMITMENTS SHEET INCLUDED IN THIS SET OF PLANS.

STANDARD ROADWAY DRAWINGS

STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS

DWG.	REV.	DESCRIPTION
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-3	03-01-23	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	10-01-24	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL

STANDARDS ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
RD11-SE-1		TRANSITION AND CROSS SLOPE DETAILS
RD11-SE-2		SUPERELEVATION TRANSITION DETAILS FOR UNDIVIDED ROADWAYS
RD11-SE-2A		SUPERELEVATION TRANSITION SECTIONS FOR UNDIVIDED ROADWAYS
RD18-TS-3A	01-30-26	RURAL MINOR COLLECTOR (2-LANE)
RD18-TS-6C		RURAL MAJOR ARTERIAL FLUSH MEDIAN (4-5-6 LANE)
RD11-LR-1		MINIMUM RUNOFF LENGTHS (LR) FOR URBAN HIGHWAYS
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD11-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD11-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD11-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
RD11-SD-4		INTERSECTION SIGHT DISTANCE 4-LANE AND 5-LANE UNDIVIDED ROADWAYS

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

DWG.	REV.	DESCRIPTION
D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-2	03-01-23	STANDARD DETAILS FOR FLEXIBLE PIPE INSTALLATION
D-PB-3	11-30-20	INDUCED TRENCH SOIL EMBANKMENT FOR PIPE CULVERT INSTALLATION
D-PE-4	06-28-19	STRAIGHT CONCRETE ENDWALLS (PIPE SIZES 18" TO 30")
D-PG-3	06-28-19	FERROUS AND ALUMINUM CORRUGATED METAL PIPE
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)
D-PEW-4		PROTECTED STRAIGHT ENDWALLS (PIPE SIZES 18" TO 30" & EQU. OVAL PIPES)
D-SEW-1A	01-30-26	TYPE "SAFETY" SIDE DRAIN ENDWALL WITH STEEL PIPE GRATE, FOR 15' THRU 48" PIPES, 6:1 SLOPE

ROADWAY, PAVEMENT APPURTENANCES, AND FENCES

DWG.	REV.	DESCRIPTION
RP-I-5	05-01-20	EXAMPLES OF STREET & ALLEY INTERSECTIONS
RP-R-1	04-21-25	STANDARD RAMP DETAILS FOR ROADWAYS AND DRIVEWAYS
S-F-1	03-01-23	HIGH VISIBILITY FENCE
S-RP-2	06-28-19	STANDARD CONCRETE RIGHT-OF-WAY MARKERS

SAFETY DESIGN AND GUARDRAILS

DWG.	REV.	DESCRIPTION
S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
S-PL-1	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED
S-PL-1A	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED (FOR RIGID OBJECTS)
S-PL-1B	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED ON CURVED ROADWAYS
S-PL-6	04-30-26	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-PL-7	04-30-26	SAFETY PLAN HARDWARE PLACEMENT AT INTERSECTIONS
S-CC-1	10-01-24	CRASH CUSHION
S-GR31-1	10-31-25	GUARDRAIL DETAILS
S-GR31-1A	06-28-19	GUARDRAIL AND BLOCK-OUT DETAILS
S-GR31-1B		GUARDRAIL FASTENING HARDWARE
S-GR31-1C	07-07-23	GUARDRAIL GENERAL NOTES AND POST DETAILS
S-GRS-3	06-28-19	SPECIAL CASE GUARDRAIL FOOTING
S-GRS-4	05-04-22	SPECIAL CASE GUARDRAIL HEIGHT TRANSITION DETAIL
S-GRS-8		SAFETY PLAN AT SIDEROADS OR DRIVEWAYS FOR LOW SPEED ROADWAYS
S-GRT-2	06-28-19	TYPE 38 GUARDRAIL END TERMINAL
S-GRT-2P	10-16-20	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL
S-GRT-2R	06-28-19	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINALS (RETROFIT)
S-GRA-3	01-09-24	TYPE 13 GUARDRAIL ANCHOR
S-GRA-4	03-01-23	IN-LINE GUARDRAIL ANCHOR TO PRIVATE DRIVE

EROSION PREVENTION AND SEDIMENT CONTROL

DWG.	REV.	DESCRIPTION
EC-STR-8	06-10-14	FILTER SOCK
EC-STR-6	11-30-20	ROCK CHECK DAM
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-11	03-16-17	CULVERT PROTECTION TYPE 1
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-34	05-04-22	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-37	06-10-14	SEDIMENT TUBE

SEALED BY

ERIC KIM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
12783
STATE OF TENNESSEE

05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

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STANDARD TRAFFIC DESIGN DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	NH-SIP-9(124)	1A3

DWG.	REV.	DESCRIPTION
SIGNS		
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-16	07-30-25	GROUND MOUNTED ROADSIDE 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-23C	07-30-25	BREAKAWAY POST SIGN SUPPORTS
SIGNALS		
T-SG-2	12-18-25	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-3B		ALTERNATE DETECTION DETAILS
T-SG-5	12-18-25	CONTROLLER CABINET DETAILS
T-SG-7	12-18-25	SIGNAL HEAD ASSEMBLIES
T-SG-7A	12-18-25	TYPICAL SIGNAL HEAD PLACEMENT APPROACHES WITH NO THROUGH MOVEMENTS
T-SG-7C	12-18-25	TYPICAL SIGNAL HEAD PLACEMENT ONE-LANE AND TWO-LANE APPROACHES
T-SG-7F	12-18-25	TYPICAL SIGNAL HEAD PLACEMENT THREE-LANE APPROACHES
T-SG-9	12-18-25	CANTILEVER SIGNAL SUPPORT DETAIL
T-SG-9A	12-18-25	MISCELLANEOUS SIGNAL DETAILS
T-SG-10	12-18-25	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
T-SG-12	12-18-25	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
PAVEMENT MARKINGS		
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-16	01-24-25	RUMBLE STRIPE INSTALLATION LAYOUT
T-M-16A	01-24-25	RUMBLE STRIPE DETAILS FOR EDGE OF PAVEMENT AND CENTERLINE
WORK ZONES		
T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-18	03-26-25	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-WZ-PBR1	03-26-25	INTERCONNECTED PORTABLE BARRIER RAIL
T-WZ-PBR2	03-26-25	DETAILS FOR WORK ZONE CHANNELIZATION DEVICES
T-WZ-PCB1	03-26-25	10 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB2	03-26-25	20 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB3	03-26-25	PORTABLE CONCRETE BARRIER RAIL DETAILS

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STANDARD
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	2
PS&E	2026	NH-SIP-9(124)	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 07S009-F3-002
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
(1)	202-01.13	REMOVAL OF PIPE (15" RCP, STA. 600+48.76)	L.F.	45
(1)	202-01.14	REMOVAL OF PIPE (15" HDPE, STA. 602+28.06)	L.F.	40
(1)	202-01.50	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	EACH	1
(1)	202-01.51	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	EACH	1
(1)	202-01.52	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	EACH	1
(1)	202-01.53	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	EACH	1
(1)(2)(3)(4)(7)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	23410
(5)	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	125
	203-06	WATER	M.G.	12
	203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	1182
(6)	208-01.05	BROOMING & DEGRASSING SHOULDERS	L.M.	0.2
(7)	209-03.21	FILTER SOCK (12 INCH)	L.F.	2391
(7)	209-05	SEDIMENT REMOVAL	C.Y.	50
(7)	209-08.07	ROCK CHECK DAM	EACH	18
(7)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	1
(1)(8)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	1383
(7)(9)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	15
(1)	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	312
(1)(10)	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	4
(1)	411-01.10	ACS MIX(PG64-22) GRADING D	TON	219
(1)	411-02.10	ACS MIX(PG70-22) GRADING D	TON	253
	411-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	0.2
(1)	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	290
(1)(11)	602-01	STRUCTURAL STEEL	LB.	130
(1)(11)	604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.	2
(1)(12)(13)	607-37.02	18" CORRUGATED METAL PIPE CULVERT	L.F.	36
(1)	607-39.02	18" PIPE CULVERT (SIDE DRAIN)	L.F.	33
(1)	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	2
(1)	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	90
(1)	705-02.10	GUARDRAIL TRANSITION 27IN TO 31IN	EACH	1
(1)(10)	705-06.02	W BEAM GR (TYPE 2) MASH TL-3 (LONG POST)	L.F.	675
(1)	705-06.10	GR TERMINALTRAILING END (TYPE 13) MASH TL-3	EACH	1
(1)	705-06.11	GR TERMINAL (IN-INLINE) MASH TL-3	EACH	2
(1)	705-06.20	TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH	1
(1)	706-01	GUARDRAIL REMOVED	L.F.	210
(1)	706-06.03	RADIUS RAIL	L.F.	119
(1)	706-10.26	ROUNDED END ELEMENT	EACH	1
(7)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	960
(1)	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	1
(7)(14)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	100
(7)(15)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	46
(1)(16)	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	3
(17)	709-05.09	MACHINED RIP-RAP (CLASS C)	TON	845
	712-01	TRAFFIC CONTROL	LS	1
	712-02.10	PORTABLE BARRIER RAIL (MASH TL-3)	L.F.	820
	712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	4
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	79
	712-04.50	BARRIER RAIL DELINEATOR	EACH	45
(18)	712-06	SIGNS (CONSTRUCTION)	S.F.	906
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	144
(19)	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
(20)	713-15.02	REMOVAL & RELOCATION OF SIGN & SUPPORT	EACH	1
	716-01.21	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	28
	716-01.22	SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR)	EACH	15
(21)	716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	30
(22)	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	88
(22)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	75
(22)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	1
(22)	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	75

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 07S009-F3-002
(22)	716-02.12	PLASTIC PAVEMENT MARKING (8IN LINE)	L.M.	0.1
(23)	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	1
(24)	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	1
	717-01	MOBILIZATION	LS	1
(7)(25)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	1342
(5)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	150
(7)	740-11.03	TEMPORARY SEDIMENT TUBE 18IN	L.F.	1429
(26)(27)	801-01	SEEDING (WITH MULCH)	UNIT	1
(7)(27)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	80
(7)(27)	801-02	SEEDING (WITHOUT MULCH)	UNIT	80
(7)(28)	801-03	WATER (SEEDING & SODDING)	M.G.	16
(7)	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	8553

FOOTNOTES

(1) SEE SHEET NOS. 2F AND 2F1 FOR TABULATED QUANTITIES.
(2) INCLUDES 18574 C.Y. FOR ROCK EXCAVATION (SEE FOOTNOTE NO. 4), AND 14 C.Y. FOR TEMPORARY CONSTRUTION EXITS.
(3) SEE GRADING SPECIAL NOTES ON SHEET NO. 2D.
(4) GEOTECH ESTIMATED 80% OF THE EXCAVATION MATERIAL WILL BE ROCK BASED ON THE FIELD CONDITIONS. THEREFORE, 80% OF THE QUANTITIES WILL BE INCLUDED IN ITEM NO. 203-01.
(5) SEE GEOTECHNICAL PLANS G-1 SERIES SHEETS.
(6) INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK. SEE SHEET NO. 2C, FINAL PAVEMENT MARKING NOTE (6) FOR MORE INFORMATION.
(7) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE AND REPLACEMENT. ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.
(8) INCLUDES 273 TONS FOR DRIVEWAYS.
(9) INCLUDES 8 TONS FOR CULVERT PROTECTION (TYPE 1), AND 7 TONS FOR PLACEMENT OF GUARDRAIL IN ROCK FILL (SEE SHEET 2B1 FOR DETAILS).
(10) TO BE INCREASED OR DECREASED AS DIRECTED BY THE ENGINEER.
(11) TO BE USED FOR 10' X 5' CONCRETE GUARDRAIL FOOTING TO AVOID PROPOSED CULVERT AT STA. 604+00.00 HUNTERS BRANCH.
(12) THE STRAIGHT CONCRETE ENDWALLS ARE TO BE USED AT BOTH ENDS OF THE PIPE.
(13) THE BEDDING MATERIAL SHALL BE INCLUDED IN THE COST OF THE PROPOSED PIPE CULVERT. SEE STANDARD DRAWING NO. D-PB-1 AND D-PB-2 FOR ADDITIONAL DETAILS.
(14) INCLUDES 100 TONS FOR TEMPORARY CONSTRUCTION EXITS.
(15) TO BE USED FOR CULVERT PROTECTION (TYPE 1).
(16) TO BE USED AT OUTLET OF CULVERT AT STA. 604+00.00 HUNTERS BRANCH ROAD.
(17) TO BE USED FOR RIP-RAP LINED DITCHES FOR DRIVEWAY.
(18) FOR PLACEMENT OF CONSTRUCTION SIGNS. SEE TRAFFIC CONTROL SHEETS.
(19) INCLUDES SIGNS AND BASE NOTED AS "TO BE REMOVED" ON THE PRESENT LAYOUT, SHEET 4. SIGNS AND BEACONS SHALL BE RETURNED TO THE CITY OF LAFOLLETTE.
(20) INCLUDES THE COST OF ALL ITEMS NECESSARY FOR THE PROPER INSTALLATION OF THE RELOCATED SIGNS.
(21) ANY DAMAGE OCCURRED DURING REMOVAL SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE TDOT MANAGER.
(22) THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
(23) TO BE USED FOR TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS. INCLUDES 0.1 L.M. FOR TEMPORARY SHOULDER CLOSURE ON S.R. 9.
(24) THE CONTRACTOR SHALL USE THE EXTRUDED OR RIBBON METHOD FOR APPLICATION.
(25) INCLUDES 1062 S.Y. FOR RIP-RAP DITCH, 172 S.Y. FOR TEMPORARY CONSTRUCTION EXITS, AND 54 S.Y. FOR CULVERT PROTECTION (TYPE 1).
(26) TO BE USED FOR SCARIFIED AREAS.
(27) THE COST OF FERTILIZER AND LIME USED IN INITIAL SEED BED PREPARATION IS TO BE INCLUDED IN THE COST OF SEEDING. SEE SECTION 801 OF TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
(28) INCLUDES 16 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.

GRADED SOLID ROCK DESIGN, QUANTITIES, AND NOTES WERE PROVIDED BY THE TDOT REGION 1 GEOTECHNICAL SECTION.

SEALED BY

ERIC KIM
REGISTERED ENGINEER
AGRICULTURE
NUMBER 127831
STATE OF TENNESSEE
05/29/2026

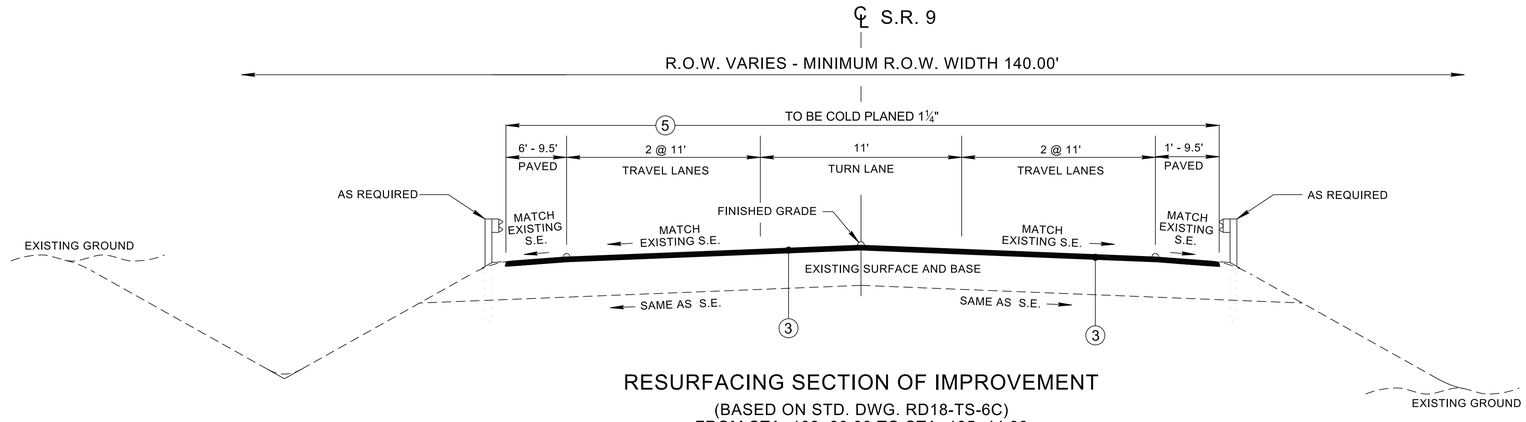
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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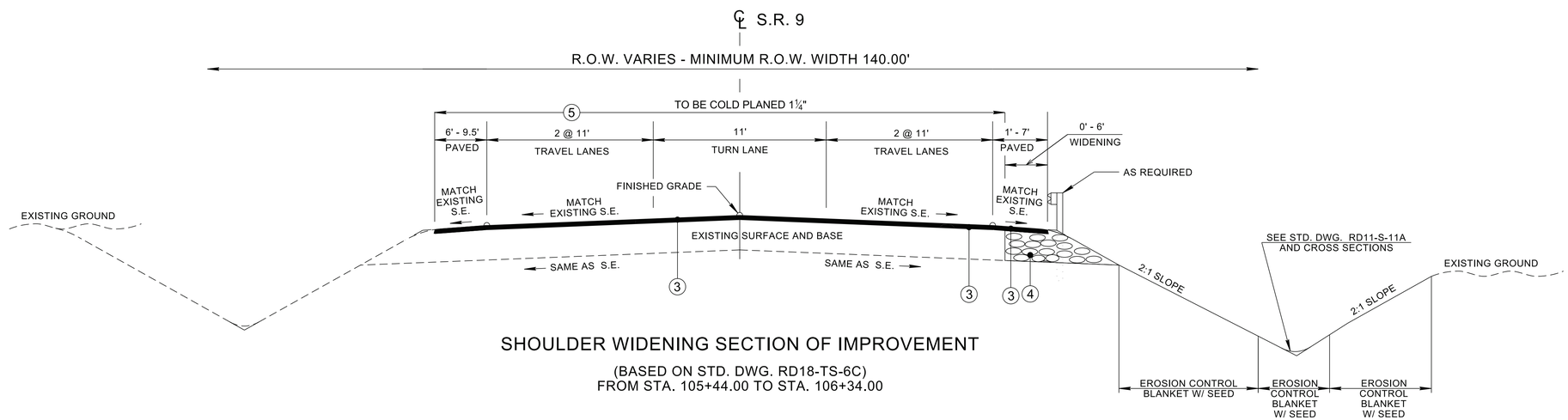
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	2B
PS&E	2026	NH-SIP-9(124)	2B

REV. 10/30/24 : REVISED S.R. 9 TYPICAL TO ADD SHOULDER WIDENING DETAIL.



RESURFACING SECTION OF IMPROVEMENT

(BASED ON STD. DWG. RD18-TS-6C)
FROM STA. 103+00.00 TO STA. 105+44.00
FROM STA. 106+34.00 TO STA. 108+20.00



SHOULDER WIDENING SECTION OF IMPROVEMENT

(BASED ON STD. DWG. RD18-TS-6C)
FROM STA. 105+44.00 TO STA. 106+34.00

PROPOSED PAVEMENT SCHEDULE

(1) ASPHALTIC CONCRETE SURFACE (HOT MIX) - HUNTERS BRANCH RD.

411-01.10 ASPHALTIC CONCRETE MIX (PG64-22) GRADING "D" @ 1.25"+ THICK (APPROX. 132.5 LB./S.Y.)

403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
(SEE SECTION 403.05 OF THE STANDARD SPECIFICATION FOR DETERMINING APPLICATION RATE IN FIELD)

(2) BITUMINOUS PLANT MIX BASE (HOT MIX) - HUNTERS BRANCH RD.

307-01.08 ASPHALT CONCRETE MIX (PG64-22) GRADING "B-M2" @ 2.00"+ THICK (APPROX. 226 LB./S.Y.)

(3) ASPHALTIC CONCRETE SURFACE (HOT MIX) PG70-22 - S.R. 9

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

403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
(SEE SECTION 403.05 OF THE STANDARD SPECIFICATION FOR DETERMINING APPLICATION RATE IN FIELD)

(4) MINERAL AGGREGATE BASE (ROADWAY) & FULL DEPTH (SHOULDERS)

303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D" @ 10.00"+ THICK (ROADWAY & FULL DEPTH (SHOULDERS)

(5) COLD PLANE @ 1.25"+ THICK

415-01.01 COLD PLANING BITUMINOUS PAVEMENT

PAVEMENT & SHOULDER TRANSITIONS

ROADWAY	TYPE	BEGIN STA.	END STA.	BEGIN OFFSET	END OFFSET	LENGTH (ft)
S.R. 9	SHOULDER	105+44.00	106+34.00	34.65	28.85	90
HUNTERS BRANCH ROAD	SHOULDER	602+20.00	602+50.00	18.00	11.00	30
HUNTERS BRANCH ROAD	PAVEMENT	602+20.00	602+50.00	12.00	11.00	30
HUNTERS BRANCH ROAD	SHOULDER	602+20.00	602+50.00	-18.00	-11.00	30
HUNTERS BRANCH ROAD	PAVEMENT	602+20.00	602+50.00	-12.00	-11.00	30

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05/29/2026

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DEPARTMENT OF TRANSPORTATION

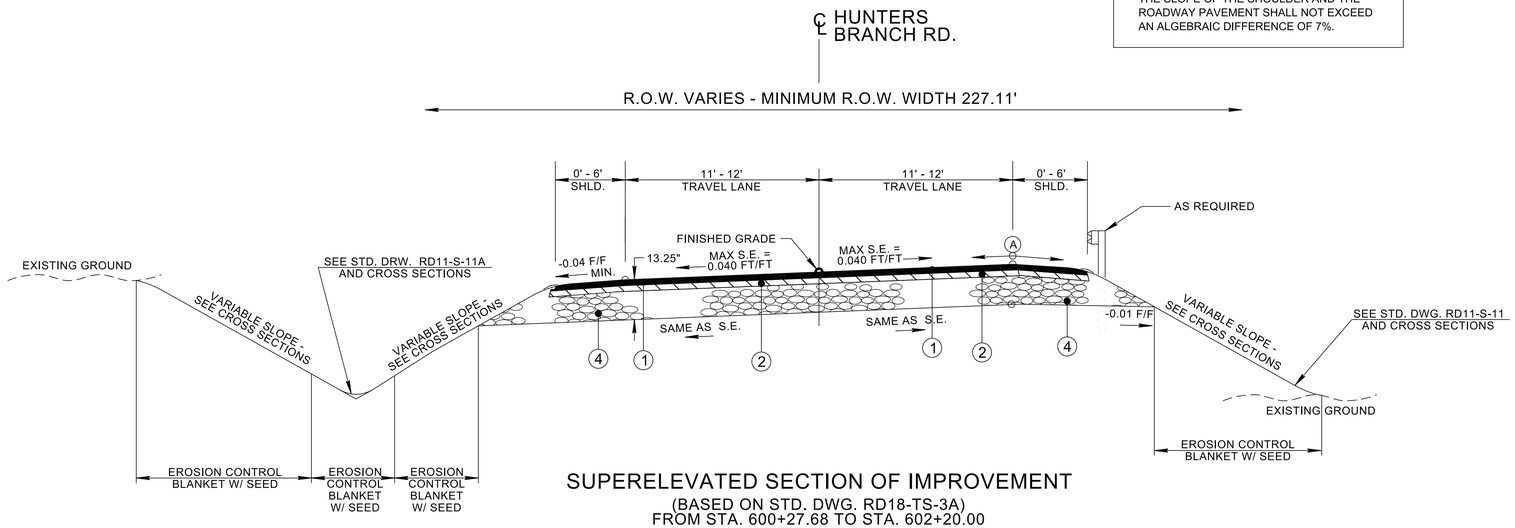
TYPICAL SECTIONS AND PAVEMENT SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	2B1
PS&E	2026	NH-SIP-9(124)	2B1

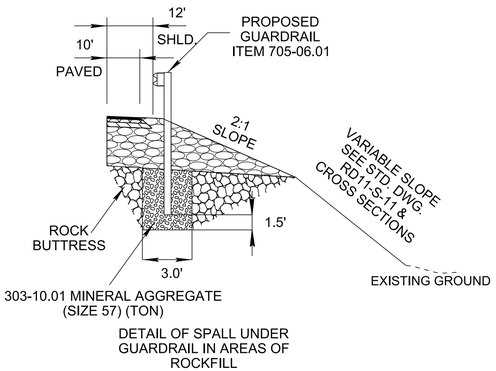
REV. 10/30/24 : ADDED S.R. 9 TYPICAL FOR RESURFACING.

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



SUPERELEVATED SECTION OF IMPROVEMENT

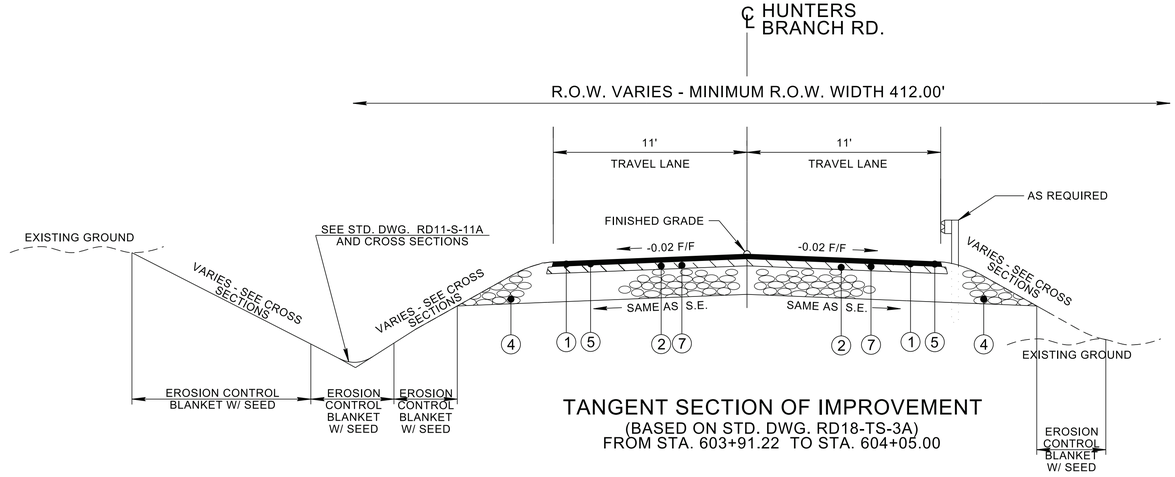
(BASED ON STD. DWG. RD18-TS-3A)
FROM STA. 600+27.68 TO STA. 602+20.00
FROM STA. 602+20.00 TO STA. 602+50.00(TRANSITION FROM 2@12' LANES WITH 6' SHOULDER TO 2@11' LANES WITH 0' SHOULDER)
FROM STA. 602+50.00 TO STA. 603+91.22



DETAIL OF SPALL UNDER GUARDRAIL IN AREAS OF ROCKFILL

GUARDRAIL DETAIL HUNTERS BRANCH

FROM STA. 600+40.00 TO STA. 600+75.00



TANGENT SECTION OF IMPROVEMENT

(BASED ON STD. DWG. RD18-TS-3A)
FROM STA. 603+91.22 TO STA. 604+05.00

SEE SHEET 2B FOR PAVEMENT SCHEDULE

SEALED BY

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AGRICULTURE
KIMMERER
12781
STATE OF TENNESSEE

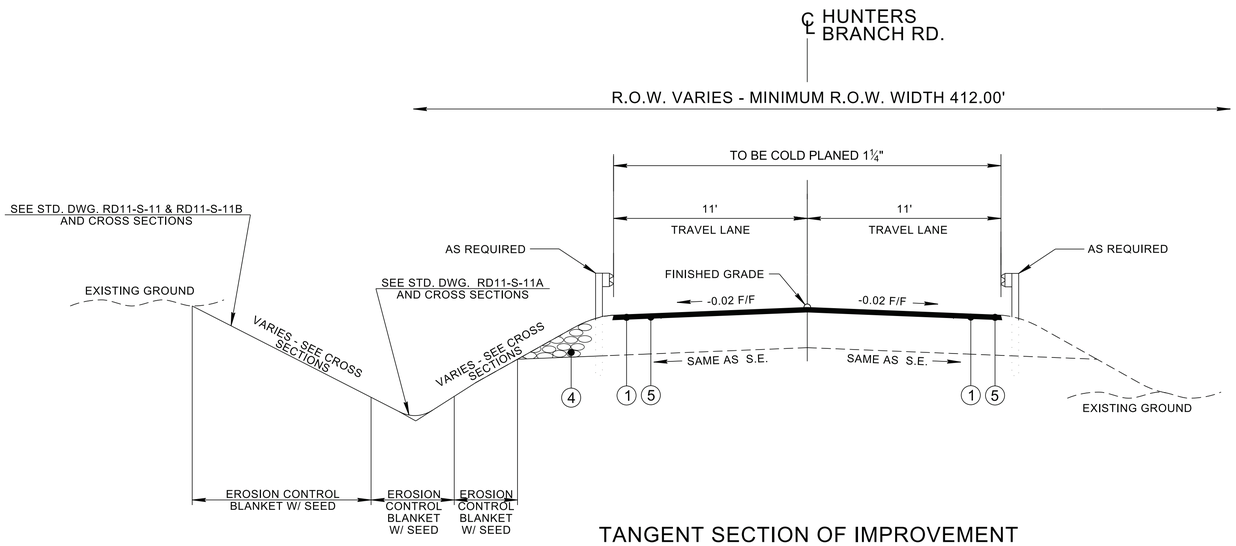
05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

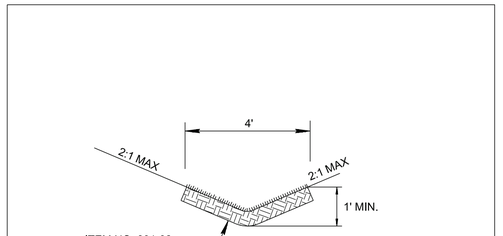
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	2B2
PS&E	2026	NH-SIP-9(124)	2B2

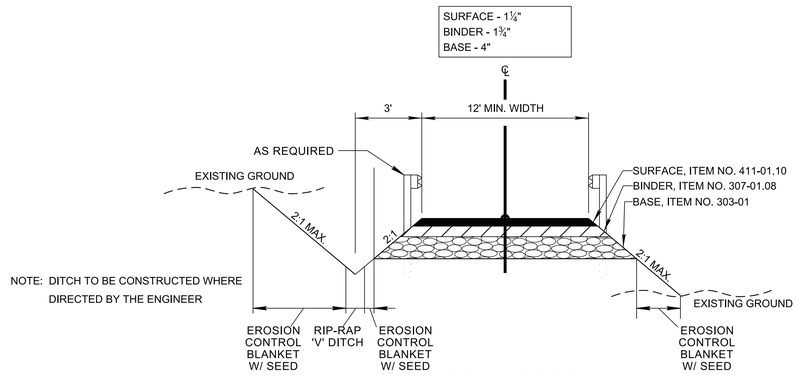


TANGENT SECTION OF IMPROVEMENT

(BASED ON STD. DWG. RD18-TS-3A)
FROM STA. 604+05.00 TO STA. 604+50.88

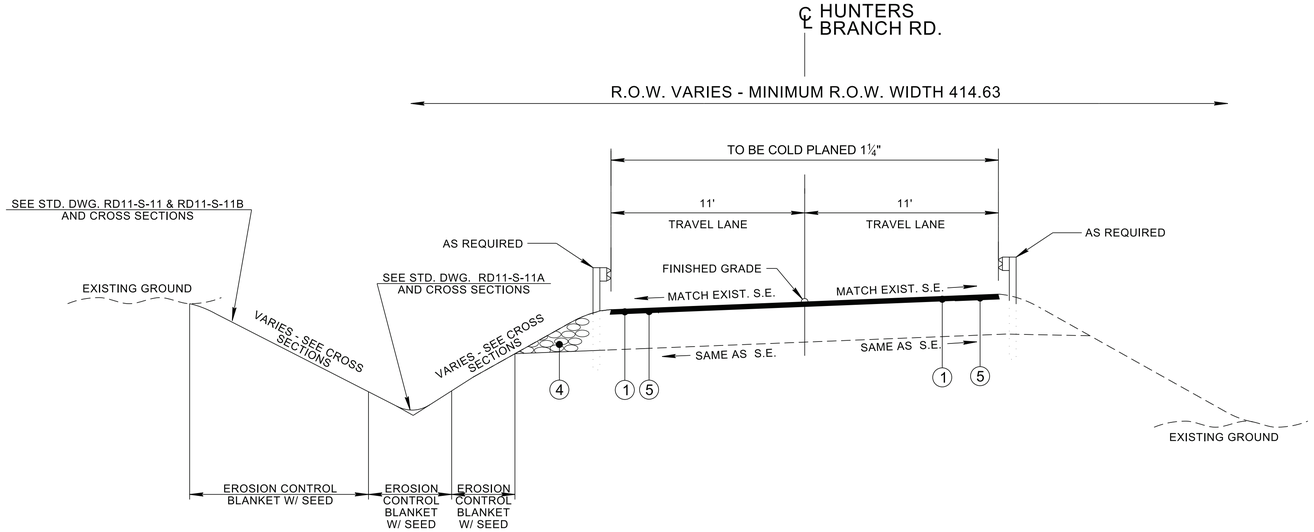


PROP. SPECIAL DITCH DETAILS



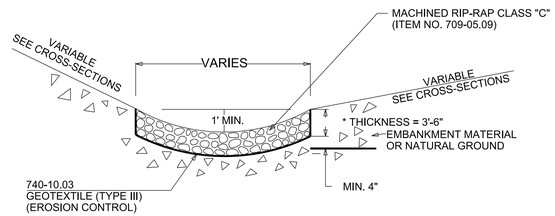
TYPICAL SECTION

PRIVATE DRIVE TO BUSINESS,
FIELD, OR RESIDENTIAL PROPERTY



SUPERELEVATED SECTION OF IMPROVEMENT

(BASED ON STD. DWG. RD18-TS-3A)
FROM STA. 604+50.88 TO STA. 604+60.00 (TRANSITIONING TO MATCH EXISTING S.E.)
FROM STA. 604+60.00 TO STA. 605+50.00



DETAIL OF RIP-RAP 'V' DITCH

RIP-RAP 'V' DITCHES

LOCATION	STATION		SIDE
	FROM	TO	
DRIVEWAY - TRACT 9	0+25.00	4+42.00	LT.
DRIVEWAY - TRACT 9	0+25.00	4+42.00	RT.

SEE SHEET 2B FOR PAVEMENT SCHEDULE

SEALED BY

ERIC KIM
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AGRICULTURE
No. 127851
STATE OF TENNESSEE
05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	NH-SIP-9(124)	2C

GENERAL NOTES

GRADING

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

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

SEEDING AND SODDING

(1) ALL EXISTING ROADS WITHIN THE RIGHT-OF-WAY AND NOT IN THE GRADED AREA THAT ARE TO BE ABANDONED SHALL BE SCARIFIED, OBLITERATED, TOPSOILED AND SEEDED. SCARIFYING AND OBLITERATING THE PAVEMENT WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS. TOPSOIL, IN ACCORDANCE WITH SECTION 203 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 203-04 AND/OR 203-07. SEEDING, IN ACCORDANCE WITH SECTION 801 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 801-01.

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

(5) ITEM NO. 801-02, SEEDING (WITHOUT MULCH) AND EROSION CONTROL BLANKET, SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS AS WELL AS LOCATIONS DIRECTED BY THE ENGINEER.

GUARDRAIL

(1) THE CONTRACTOR SHALL NOT REMOVE ANY SECTIONS OF EXISTING GUARDRAIL TO REWORK SHOULDERS OR FLATTEN SLOPES UNTIL THE ENGINEER CONCURS IN THE NECESSITY OF REMOVAL DUE TO CONSTRUCTION REQUIREMENTS AND THE APPROPRIATE WARNING DEVICES ARE INSTALLED. THE PROPOSED GUARDRAIL, INCLUDING ANY ANCHOR SYSTEM, SHALL BE INSTALLED QUICKLY TO MINIMIZE TRAFFIC EXPOSURE TO ANY HAZARD. NO PAYMENT WILL BE MADE FOR A SECTION OF PROPOSED GUARDRAIL, INCLUDING ANCHORS, UNTIL IT IS COMPLETE IN PLACE.

(3) IF ANY APPROACH END OF A SECTION OF GUARDRAIL OR BRIDGE RAIL MUST TEMPORARILY BE LEFT INCOMPLETE AND EXPOSED TO TRAFFIC, THE CONTRACTOR SHALL USE TWO (2) TEMPORARY BARRICADES OR DRUMS WITH TYPE “A” LIGHTS AND ROUNDED END ELEMENTS AS MINIMUM MEASURES TO PROTECT TRAFFIC FROM THE HAZARD OF AN EXPOSED END. ALL COST OF FURNISHING AND INSTALLING TEMPORARY BARRICADES OR DRUMS WITH TYPE “A” LIGHTS TO DELINEATE GUARDRAIL END AND A TEMPORARY ROUNDED END ELEMENT SHALL BE INCLUDED IN THE COST OF THE PROPOSED GUARDRAIL END TERMINAL.

(4) GUARDRAIL IS TO BE COMPLETE IN PLACE BEFORE THE MAINLINE ROADWAY IS OPENED TO TRAFFIC.

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 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

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

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

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

ROAD CLOSURE

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

PAVEMENT MARKINGS

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.

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.

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(16) THE PAVEMENT MARKING ON THE DETOUR FOR CENTERLINE AND EDGLINES 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.

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

SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

(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

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

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

RESURFACING

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

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

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

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

SEALED BY

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05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	NH-SIP-9(124)	2C1

GENERAL NOTES (CONT.)

GRADED SOLID ROCK

1) THE ROCK FILL (GRADED SOLID ROCK) MATERIAL SHALL CONSIST OF SOUND, NON-DEGRADABLE LIMESTONE OR SANDSTONE WITH A MAXIMUM SIZE OF 3'-0". AT LEAST 50% (BY WEIGHT) OF THE ROCK SHALL BE UNIFORMLY DISTRIBUTED BETWEEN 1'-0" AND 3'-0" IN DIAMETER, AND NO GREATER THAN 10% (BY WEIGHT) SHALL BE LESS THAN 2" IN DIAMETER. THE MATERIAL SHALL BE ROUGHLY EQUIDIMENSIONAL; THIN, SLABBY MATERIALS WILL NOT BE ACCEPTED. THE CONTRACTOR SHALL BE REQUIRED TO PROCESS THE MATERIAL WITH AN ACCEPTABLE MECHANICAL MEANS (A SCREENING PROCESS CAPABLE OF PRODUCING THE REQUIRED GRADATION). THE ROCK SHALL BE APPROVED BY A REPRESENTATIVE OF THE DIVISION OF MATERIALS AND TESTS BEFORE USE.

(2) THIS GRADED SOLID ROCK MATERIAL SHALL BE PLACED IN LAYERS NOT EXCEEDING FIVE FEET IN DEPTH.

SIGNING

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

(5) AFTER THE SIGN LOCATIONS HAVE BEEN STAKED, BUT PRIOR TO ORDERING ANY MATERIAL FOR THE SUPPORTS, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE REGIONAL OPERATIONS OFFICE.

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

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

(13) AFTER THE PERMANENT SIGN LOCATIONS HAVE BEEN STAKED, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE CONSTRUCTION FIELD OFFICE. PAYMENT FOR LOCATION AND STAKING SHOULD BE INCLUDED IN THE BID PRICE FOR OTHER ITEMS OF CONSTRUCTION. ANY RELOCATION REQUIRED, DUE TO THE SIGN NOT BEING INSTALLED IN THE CORRECT LOCATION, WILL BE DONE AT THE CONTRACTOR'S EXPENSE.

TRAFFIC CONTROL DIRECTIONAL SIGNING

(7) WHEN EXISTING "TOURIST ORIENTED DIRECTIONAL SIGNS" (TODS) ARE ON NON-ACCESS CONTROLLED CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THESE SIGNS IN FULL VIEW TO THE MOTORING PUBLIC DURING ALL PHASES OF CONSTRUCTION. ALL WORK IN MOVING THESE "TODS" AND TEMPORARY SUPPORTS ARE TO BE PAID FOR UNDER ITEM NO. 712-06, AS DIRECTED BY THE ENGINEER. NEW SUPPORTS AND SIGN FACE FOR FINAL LOCATION WILL BE PAID FOR UNDER OTHER ITEMS OF CONSTRUCTION.

SIGNALIZATION

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

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

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

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

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

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

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

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

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

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

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

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

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

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GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	NH-SIP-9(124)	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.

(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.

PAVEMENT

SIGNING

(1) ALL SIGNS MARKED "TO BE REMOVED" AND "T.B.R" ARE TO BE REMOVED BY THE CONTRACTOR AND PAID FOR UNDER ITEM NO. 713-15 AND BE RETURNED TO THE CITY OF LAFOLLETTE.

SIGNALIZATION

(1) THE DESIGN OF TRAFFIC SIGNAL SUPPORT POLES, MAST ARMS, STRAIN POLES, ETC. SHALL BE IN CONFORMANCE WITH THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, CURRENT EDITION. OVERHEAD CANTILEVERED TRAFFIC SIGNAL STRUCTURES SHALL BE DESIGNED FOR FATIGUE CATEGORY 1.

(2) SEE SHEET SIG-2B FOR SIGNAL PHASING AND TIMING.

SEEDING AND SODDING

(1) ITEM NO. 801-01.07, TEMPORARY SEEDING (WITH MULCH), SHALL BE USED WHERE EROSION CONTROL BLANKET OR SOD ARE NOT APPLIED.

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SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	2E
PS&E	2026	NH-SIP-9(124)	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 PLANS, SPECIFICATION, AND ESTIMATE (PS&E) 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 PLANS, SPECIFICATIONS, AND ESTIMATE (PS&E) 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 PLANS, SPECIFICATION, AND ESTIMATE (PS&E) 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 SPECIAL NOTES

ENVIRONMENTAL

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

ECOLOGY

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

(3) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ATTEND THE PRECONSTRUCTION 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

(1) THIS PROJECT INCLUDES INSTALLING TRAFFIC SIGNALS AND TWO POLES AT THE INTERSECTION OF S.R. 9 (U.S. 25W) AND HUNTERS BRANCH ROAD. THE WORK INVOLVES SHIFTING ALIGNMENT AND IMPROVING THE TURNING RADIUS FROM S.R. 9 TO HUNTERS BRANCH ROAD. THE BUSINESS ENTRANCE TO TRACT 9 IS TO BE RELOCATED. ALSO INCLUDES THE REMOVAL OF 15" RCP AND 15" HDPE PIPES AND THE CONSTRUCTION OF 18" RCP PIPE WITH ENDWALLS AS INDICATED ON THE ROADWAY PLANS, PROFILE, AND CULVERT CROSS SECTION SHEET OR AS DIRECTED BY THE TDOT MANAGER.

(2) THIS PROJECT INCLUDES THE GRADING, DRAINAGE, BASE AND PAVEMENT FOR HUNTER BRANCH ROAD TO LINES AND GRADE AS INDICATED ON THE ROADWAY PLANS, PROFILE, AND CROSS SECTION SHEETS OR AS DIRECTED BY THE TDOT MANAGER.

(3) IT INCLUDES THE APPLICATION OF EPSC DEVICES, SEEDING, SODDING, PAVEMENT MARKING, GUARDRAILS, TRAFFIC CONTROL DEVICES, AND OTHER DESIGN FEATURES ON THE ROADWAY PLANS OR AS DIRECTED BY THE TDOT MANAGER.

(4) ALL WORK SHALL BE CONSTRUCTED AS INDICATED IN THE ROADWAY PLANS OR AS DIRECTED BY THE TDOT MANAGER.

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ENVIRONMENTAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	2F
PS&E	2026	NH-SIP-9(124)	2F

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)
	EXC.	EMB.	EXC.
MAINLINE	68	0	65
SIDE ROADS	10637	170	10106
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES	12691	2	12057
INDEPENDENT DITCHES	0	0	
TEMPORARY CONSTRUCTION EXITS	14	0	14
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)	0	0	
TOPSOIL (EMB.)	0		
TOPSOIL (EXC.)	0		
TOPSOIL TOTALS (SEE TOPSOIL TABLE)			

ROCK (C.Y.)		TOTALS (C.Y.)				
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	23410	172	23410	23410	22240

BALANCE SUMMARY

SHRINK = 5 % SWELL = 15 %

EXC.		EMB.
22240	VS.	-172
AVAILABLE	=	22068
WASTE MATERIAL	=	23172

THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SATISFACTORY DISPOSAL OF 23172 C.Y. OF WASTE MATERIAL.

TOPSOIL

IF EXISTING TOPSOIL IS NOT 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.
63808	N/A	N/A	N/A	1182	N/A	1182	N/A

PAVEMENT QUANTITIES

LOCATION (ROADWAY)	TYPE - GRADE - PAY ITEM (TON)					COLD PLANING BITUMINOUS PLANT
	MINERAL AGG. BASE (HOT MIX)	BITUMINOUS PLANT MIX BASE (HOT MIX)	TACK COAT	ASPHALTIC CONCRETE SURFACE (HOT MIX)		
	D	B-M2		D	D	TON
	303-01	307-01.08	403-01	411-02.10	411-01.10	415-01.01
S.R. 9			2	253		251
HUNTERS BRANCH ROAD	1110	198	1		141	39
DRIVEWAY	273	114	1		78	
TOTALS	1383	312	4	253	219	290

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE		STATIONS		GUARDRAIL					TERMINAL ANCHORS			GUARDRAIL FOOTING		REMARKS
		LT	RT	FROM	TO	GUARDRAIL REMOVED 706-01 (L.F.)	GUARDRAIL TRANSITION 27 IN TO 31 IN 705-02.10 (EACH)	W BEAM GR (TYPE 2) MASH TL3 (LONG POST) 705-06.02 (L.F.)	RADIUS RAIL 706-06.03 (L.F.)	ROUND END ELEMENT 706-10.26 (EACH)	TYPE 13 MASH TL3 (9.375') 705-06.10 (EACH)	IN-LINE MASH TL3 705-06.11 (EACH)	TYPE 38 MASH TL3 (46.875') 705-06.20 (EACH)	CLASS A CONCRETE (ROADWAY) 604-01.01 (C.Y.)	STRUCTURAL STEEL (ROADWAY) 602-01 (LB.)	
4B	S.R. 9		X	101+78.54	104+00.67	210		211	23	1		2				
4B	S.R. 9	X		103+98.12	105+31.40			77			1		1			
4B	HUNTERS BRANCH ROAD		X	600+37.08	604+97.98		1	387	96					2	130	GR FOOTING BASED ON 10' X 5' SLAB; TRANSITION TO EXISTING GUARDRAIL
TOTALS						210	1	675	119	1	1	2	1	2	130	

REMOVAL OF STRUCTURES

SHEET NO.	STATION	LOCATION	DESCRIPTION	REMARKS
4	600+48.76	HUNTERS BRANCH ROAD	15" RCP, 45 L.F.	ITEM NO. 202-01.13
4	602+28.06	HUNTERS BRANCH ROAD	15" HDPE. 40 L.F.	ITEM NO. 202-01.14
4	105+48.34	S.R. 9	FLASHING BEACON	ITEM NO. 202-01.50
4	600+44.95	HUNTERS BRANCH ROAD	STONE WALL, 29 L.F.	ITEM NO. 202-01.51
4	600+68.07	HUNTERS BRANCH ROAD	OLD MARQUEE SIGN	ITEM NO. 202-01.52
4	600+72.98	HUNTERS BRANCH ROAD	WOOD UTILITY POLE	ITEM NO. 202-01.53

RIGHT OF WAY MARKERS

SHEET NO.	Item #: 708-02.01 QUANTITIES			
	"A"	"B"	"C"	TOTALS
4			1	1
TOTALS			1	1

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ERIC KIM REGISTERED ENGINEER AGRICULTURE NUMBER 127831 STATE OF TENNESSEE

05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 1 OF 2

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	NH-SIP-9(124)	2F1

CROSS DRAIN TABULATION

STATION	SKEW	RCP CLASS III OR CMP 12 GA OR PVC OR SRTRP OR HDPE OR PP FILL HEIGHT ≤ 16 FT. (L.F.)						END TREATMENT				RIP-RAP CLASS B 709-05.08 TON	REMARKS
								INLET		OUTLET			
		18"	24"	30"	36"	42"	48"	TYPE	DRAWING NO.	TYPE	DRAWING NO.		
604+00.00	90°	36						ST	D-PE-4	ST	D-PE-4	3	HUNTERS BRANCH ROAD
TOTALS		36											

PIPE TABULATION FOR COLLECTOR ROADWAYS

CROSS DRAIN ENDWALLS

LOCATION \ SHEET NO.	STATION	OFFSET (FT.)	SKEW	CODE	TYPE	STANDARD DRAWING NO.	PROTECTED ENDWALLS	
							CLASS "A" CONCRETE 611-07.01 (C.Y.)	STEEL BAR REINFORCING 611-07.02 (LB.)
HUNTERS BRANCH ROAD / 4B	604+00.00	-17.29	90°	1	ST	D-PE-4	1	45
HUNTERS BRANCH ROAD / 4B	604+00.00	18.24	90°	1	ST	D-PE-4	1	45
TOTALS							2	90

SPECIAL & ROADSIDE DITCHES

ROADWAY	STATION		SIDE	CONFIGURATION			RIP-RAP CLASS "C" 709-05.09 (TONS)	GEOTEXTILE TYPE III 740-10.03 (S.Y.)	SEEDING W/O MULCH 801-02 (UNITS)
	FROM	TO		FORE (H/V)	BOTTOM WIDTH (FT.)	BACK (H/V)			
HUNTERS BRANCH ROAD	602+50.00	604+00.00	LT.	2:1	0	2:1			3
HUNTERS BRANCH ROAD	604+00.00	605+50.00	LT.	2:1	0	2:1			3
DRIVEWAY	0+29.50	4+42.00	LT.	2:1	0	2:1	405	509	
DRIVEWAY	0+26.80	4+42.00	RT.	2:1	0	2:1	440	553	
TOTALS							845	1062	6

SIDE DRAIN TABULATION

STATION	LOCATION		DESCRIPTION	SURFACE WIDTH FT.	SKEW	RCP CLASS III OR CMP 16 GA OR PVC OR SRTRP OR HDPE OR PP (L.F.) FILL HEIGHT ≤ 10 FT.						REMARKS
	LT.	RT.				18"	24"	30"	36"	42"	48"	
603+08.00	X		HUNTERS BRANCH ROAD	18	90°	33						
TOTALS						33						

PIPE TABULATION FOR PRIVATE DRIVES, BUSINESS & FIELD ENTRANCES

SEALED BY



05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

SHEET 2 OF 2

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	3
PS&E	2026	NH-SIP-9(124)	3

RIGHT-OF-WAY

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

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

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

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

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

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

(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.

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

UTILITY

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

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

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

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

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

UTILITY OWNERS

CABLE:

XFINITY (COMCAST)
1725 WEARS VALLEY RD
SEVIERVILLE, TN 37862
CONTACT: JASON KELLY
OFFICE PHONE: 865 862 5061
CELL PHONE: 865 437 0295
Email: JASON_KELLY@CABLE.COMCAST.COM

WATER & SEWER:

CARYVILLE-JACKSBORO UTILITY COMMISSION
P.O. BOX 121, SUITE 2
585 MAIN STREET
JACKSBORO, TN 37757
CONTACT: FRANK WALLACE
OFFICE PHONE: 423 562 9776
CELL PHONE: 865 740 2602
Email: CJUC@CJUC.NET

GAS:

POWELL CLINCH UTILITY DISTRICT
P.O. BOX 423
203 FIRST STREET
LAKE CITY, TN 37769
CONTACT: AARON MCCOY
OFFICE PHONE: 865 426 3084
CELL PHONE: 865 964 5439
Email: AARON@PCUD.ORG

TELEPHONE:

AT&T
9733 PARKSIDE DR
KNOXVILLE, TN 37922
CONTACT: JAY FRAZIER
CELL PHONE: 865 387 2685
Email: JF092G@ATT.COM

ELECTRIC:

LAFOLLETTE UTILITIES BOARD
P.O. BOX 1411
302 NORTH TENNESSEE AVENUE
LAFOLLETTE, TN 37766
CONTACT: KEITH ATKINS
OFFICE PHONE: 423 562 3316
CELL PHONE: 423 736 6163
Email: KEITH.ATKINS@LUBMAIL.ORG

WATER & SEWER:

LAFOLLETTE UTILITIES BOARD
302 NORTH TENNESSEE AVENUE
LAFOLLETTE, TN 37766
CONTACT: COBIE HERRIN
OFFICE PHONE: 423 907 1010
Email: COBIE.HERRIN@LUBMAIL.COM

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ERIC KIM
REGISTERED ENGINEER
AGRICULTURE & COMMERCE
127951
STATE OF TENNESSEE
05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	3A
PS&E	2026	NH-SIP-9(124)	3A

REV. 10/30/24 : REVISED AREA TO BE ACQUIRED AND CONSTRUCTION EASEMENT FOR TRACT 9. REVISED DISTURBED AREA.

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (SQUARE FEET)				
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM DRAINAGE	SLOPE	CONST ①	AIR RIGHTS	PERM RAILROAD
				BOOK	PAGE													
~~1~~	~~LONNIE WELDEN AND WIFE ZANDRA WELDEN~~	~~103DA~~	~~28~~	~~489~~	~~389~~	~~0.889~~		~~0.889~~				~~0.889~~						
~~2~~	~~PROPERTIES, D. INC.~~	~~094~~	~~9.00~~	~~W526~~	~~732~~		~~30.344~~	~~30.344~~					~~30.344~~					
~~3~~	~~DUSTIN WOODSON~~	~~103DA~~	~~5~~	~~498~~	~~800~~	~~3.231~~		~~3.231~~				~~3.231~~						
~~4~~	~~LEE & JOE LINDSAY~~	~~103DA~~	~~29~~	~~248~~	~~757~~	~~0.111~~		~~0.111~~				~~0.111~~						
5	CAMPBELL COUNTY POST #58, THE AMERICAN LEGION OF CAMPBELL COUNTY, TENNESSEE	094PA	1.00	M124/141	636/313		0.123	0.123					0.123			525 S.F.		
~~6~~	~~JAMES EDWARD PARTIN~~	~~103DA~~	~~4~~	~~415~~	~~647~~	~~0.209~~		~~0.209~~				~~0.209~~						
~~7~~	~~NANNY SUE THACKER TEAGUE~~	~~103DA~~	~~3.01~~	~~419~~	~~279~~	~~0.294~~		~~0.294~~				~~0.294~~						
~~8~~	~~CAROLYN THACKER, SUE TEAGUE, JOYCE GAYLOR AND LOIS BRUCE~~	~~103DA~~	~~3~~	~~428~~	~~346~~	~~0.631~~		~~0.631~~				~~0.631~~						
9	CAMPBELL COUNTY POST #58, THE AMERICAN LEGION OF CAMPBELL COUNTY, TENNESSEE	094PA	1.00	M124/141	636/313		4.769	4.769		0.555	0.555		4.214			1.620		
~~10~~	~~MIKE KIMBERLIN~~	~~103DA~~	~~3.02~~	~~503~~	~~399~~	~~3677 S.F.~~		~~3677 S.F.~~				~~3677 S.F.~~						
~~11~~	~~LYK-NU AUTO COLLISION AND SERVICE CENTER, INC.~~	~~094IA~~	~~25~~	~~350~~	~~574~~	~~2.309~~		~~2.309~~				~~2.309~~						
~~12~~	~~JACK KENNETH FORD AND SONS, RONALD JACK FORD AND~~	~~094PA~~	~~2~~	~~452~~	~~784~~		~~1.962~~	~~1.962~~					~~1.962~~					
ACQUISITION TOTALS (ACRES)										**0.555**						**1.632**		

① FOR WORKING ROOM, AND EPSC.

DISTURBED AREA		
IN BETWEEN SLOPE LINES	1.920	(AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	0.868	(AC)
TOTAL DISTURBED AREA	2.788	(AC)
TOTAL PROJECT AREA	3.956	(AC)

SEALED BY

ERIC KIM REGISTERED ENGINEER AGRICULTURE COMMERCE 127851 STATE OF TENNESSEE

05/29/2026

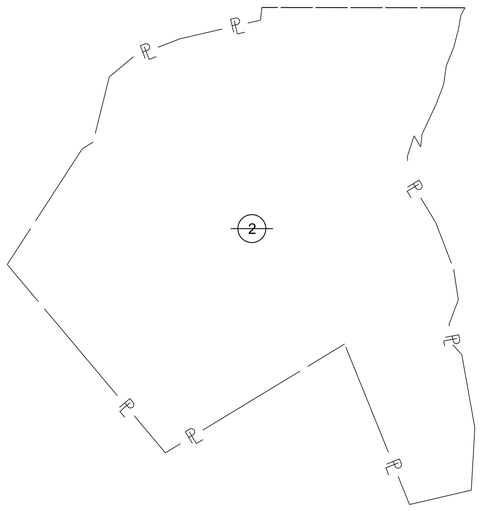
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

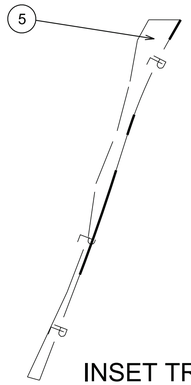
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	3B
PS&E	2026	NH-SIP-9(124)	3B

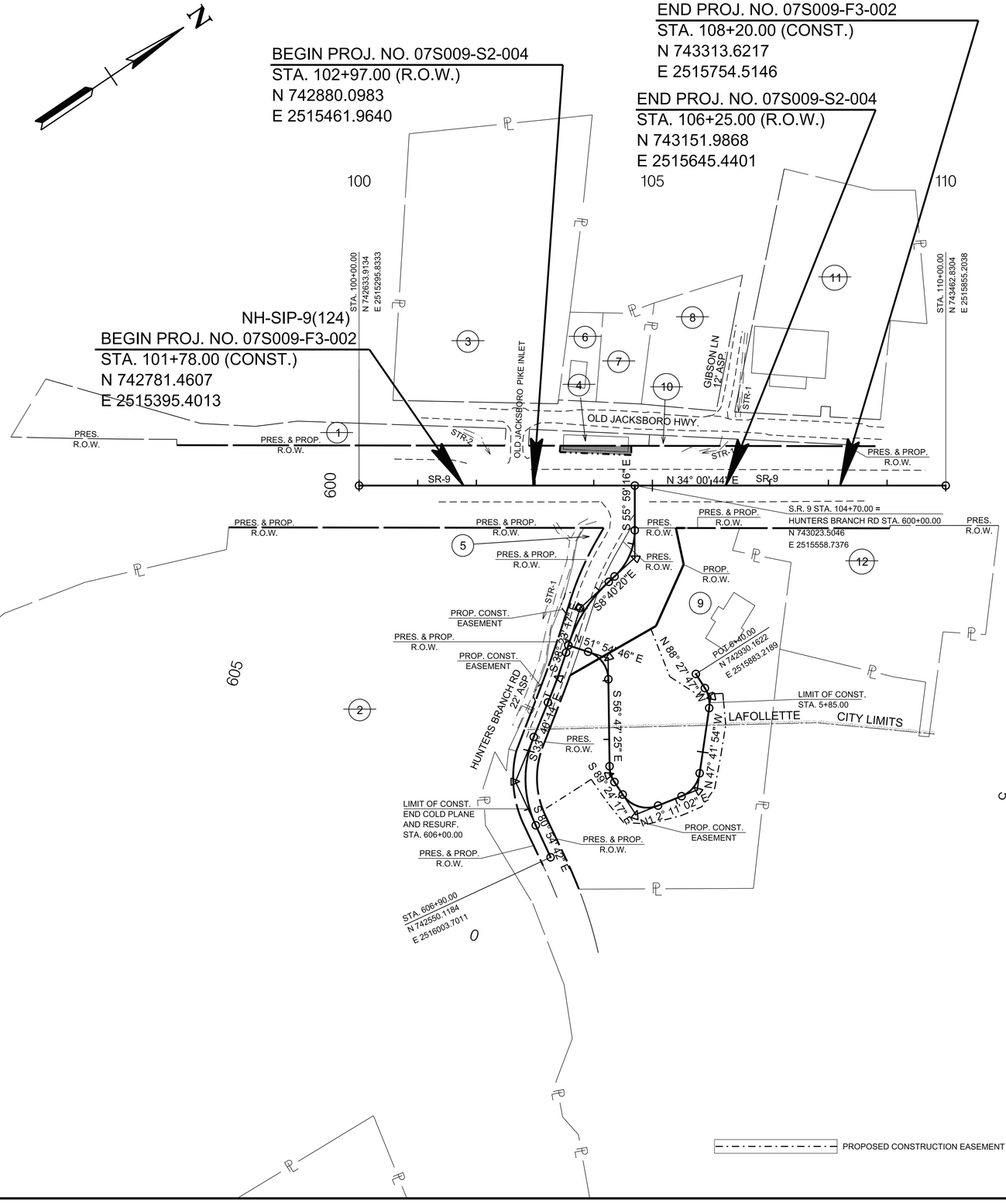
REV. 10/30/24 : REVISED PROPOSED R.O.W. AND CONSTRUCTION EASEMENT FOR TRACT 9.



INSET TRACT 2
N.T.S.



INSET TRACT 5
N.T.S.



SEALED BY

ERIC KIMMERLE
REGISTERED ENGINEER
AGRICULTURE
KIMMERLE
12783
STATE OF TENNESSEE

05/29/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA.102+97.00 TO STA. 106+25.00
SCALE: 1"=100'

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BEGIN PROJ. NO. 07S009-S2-004
STA. 102+97.00 (R.O.W.)
N 742880.0983
E 2515461.9640

END PROJ. NO. 07S009-S2-004
STA. 106+25.00 (R.O.W.)
N 743151.9868
E 2515645.4401

NH-SIP-9(124)
END PROJ. NO. 07S009-F3-002
STA. 108+20.00 (CONST.)
N 743313.6217
E 2515754.5146

100
NH-SIP-9(124)
BEGIN PROJ. NO. 07S009-F3-002
STA. 101+78.00 (CONST.)
N 742781.4607
E 2515395.4013

105

110

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	4
PS&E	2026	NH-SIP-9(124)	4

REV. 10/30/24 : REVISED PROPOSED R.O.W. AND CONSTRUCTION EASEMENT FOR TRACT 9. REVISED POLE NO. 1 LOCATION AND SLOPE LINES ALONG S.R. 9.

1 ~~LONNIE WELDEN AND WIFE ZANDRA WELDEN~~
2 ~~PROPERTIES D INC.~~
3 ~~DUSTIN WOODSON~~
4 LEE & JOE LINDSAY
5 CAMPBELL COUNTY POST #58, THE AMERICAN LEGION OF CAMPBELL COUNTY, TENNESSEE
6 ~~JAMES EDWARD PARTIN~~
7 ~~NANNY SUE THACKER TEAGUE~~
8 ~~CAROLYN THACKER, SUE TEAGUE, JOYCE GAYLOR AND LOIS BRUCE~~
9 CAMPBELL COUNTY POST #58, THE AMERICAN LEGION OF CAMPBELL COUNTY, TENNESSEE
10 MIKE KIMBERLIN
11 ~~LYK-NU AUTO COLLISION AND SERVICE CENTER, INC.~~
12 ~~JACK KENNETH FORD AND SONS, RONALD JACK FORD AND KENNETH WAYNE FORD~~

HUNTERS BRANCH RD.
PI 601+23.10
N 742,954.6480
E 2,515,660.7745
Δ 47° 18' 56" (RT)
D 53° 32' 51"
R 107.00
L 88.36
T 46.88
SE 0.020 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 64
PC 600+76.22
PT 601+64.58

HUNTERS BRANCH RD.
PI 602+44.45
N 742,829.3552
E 2,515,679.8847
Δ 29° 42' 57" (LT)
D 22° 55' 06"
R 250.00
L 129.66
T 66.32
SE 0.040 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 109.5
PC 601+78.13
PT 603+07.79

HUNTERS BRANCH RD.
PI 603+65.98
N 742,731.7586
E 2,515,757.2057
Δ 4° 43' 03" (RT)
D 5° 12' 31"
R 1,100.00
L 90.57
T 45.31
SE 0.040 FT/FT
DESIGN SPEED 30 MPH
PC 603+20.67
PT 604+11.24

HUNTERS BRANCH RD.
PI 605+57.19
N 742,572.5869
E 2,515,863.2420
Δ 47° 14' 28" (LT)
D 30° 28' 35"
R 188.00
L 155.01
T 82.22
SE 0.060 FT/FT
DESIGN SPEED 25 MPH
PC 604+74.97
PT 606+29.98

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, AND SEEDED.

LICENSED STATE R.O.W. AREA

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
XCP47	743490.8440	2515831.7937	1093.42	110+10.13	-35.08
XCP48	743043.2793	2515526.8312	1083.02	104+68.54	-37.51
XCP49	742564.8586	2515198.3090	1084.22	98+88.21	-42.21

STATION AND OFFSETS ARE REFERENCED TO SR-9

1 TRUCKS ENTERING HIGHWAY SIGN CONTRACTOR TO REMOVE SIGN & RETURN THE EQUIPMENT TO THE CITY OF LAFOLLETTE

PROPOSED CONSTRUCTION EASEMENT

CURVE DC751	CURVE DC752	CURVE DC753	CURVE DC754	CURVE DC755
PI 0+71.18	PI 2+60.51	PI 3+40.71	PI 4+40.23	PI 5+94.46
N 742,821.1116	N 742,712.2123	N 742,711.3705	N 742,821.4994	N 742,928.8976
E 2,515,777.2302	E 2,515,943.5819	E 2,516,024.5710	E 2,516,048.3500	E 2,515,930.3299
Δ 71° 17' 51" (RT)	Δ 32° 36' 52" (LT)	Δ 78° 24' 41" (LT)	Δ 59° 52' 56" (LT)	Δ 40° 45' 53" (LT)
D 114° 35' 30"	D 114° 35' 30"	D 114° 35' 30"	D 114° 35' 30"	D 114° 35' 30"
R 50.00	R 50.00	R 50.00	R 50.00	R 50.00
L 62.22	L 28.46	L 68.43	L 52.26	L 35.57
T 35.86	T 14.63	T 40.79	T 28.80	T 18.58
PC 0+35.32	PC 2+45.88	PC 2+99.92	PC 4+11.43	PC 5+75.88
PT 0+97.54	PT 2+74.34	PT 3+68.35	PT 4+63.69	PT 6+11.45

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ERIC KIM
REGISTERED ENGINEER
AGRICULTURE
NUMBER 127851
STATE OF TENNESSEE
05/29/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA.102+97.00 TO STA.106+25.00
SCALE: 1"= 50'

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BEGIN PROJ. NO. 07S009-S2-004
STA. 102+97.00 (R.O.W.)
N 742880.0983
E 2515461.9640

BEGIN PROJ. NO. 07S009-F3-002
STA. 101+78.00 (CONST.)
N 742781.4607
E 2515395.4013

END PROJ. NO. 07S009-S2-004
STA. 106+25.00 (R.O.W.)
N 743151.9868
E 2515645.4401

NH-SIP-9(124)
END PROJ. NO. 07S009-F3-002
STA. 108+20.00 (CONST.)
N 743313.6217
E 2515754.5146

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	4A
PS&E	2026	NH-SIP-9(124)	4A

REV. 10/30/24 : REVISED PROPOSED R.O.W. AND CONSTRUCTION EASEMENT FOR TRACT 9. REVISED SLOPE LINES ALONG S.R. 9.

REV. 10/18/25 : REVISED BEARING INFO. ON TRACT 9.

1 ~~LONNIE WELDEN AND WIFE ZANDRA WELDEN~~

2 ~~PROPERTIES D INC.~~

3 ~~DUSTIN WOODSON~~

4 ~~LEE & JOE LINDSAY~~ ~~MIKE KIMBERLIN~~

5 CAMPBELL COUNTY POST #58, THE AMERICAN LEGION OF CAMPBELL COUNTY, TENNESSEE

6 ~~JAMES EDWARD PARTIN~~

7 ~~NANNY SUE THACKER TEAGUE~~

8 ~~CAROLYN THACKER, SUE TEAGUE, JOYCE GAYLOR AND LOIS BRUCE~~

9 CAMPBELL COUNTY POST #58, THE AMERICAN LEGION OF CAMPBELL COUNTY, TENNESSEE

10 ~~MIKE KIMBERLIN~~

11 ~~LYK-NU AUTO COLLISION AND SERVICE CENTER, INC.~~

12 ~~JACK KENNETH FORD AND SONS, RONALD JACK FORD AND KENNETH WAYNE FORD~~

100 NH-SIP-9(124) BEGIN PROJ. NO. 07S009-F3-002 STA. 101+78.00 (CONST.) N 742781.4607 E 2515395.4013

105

110

GIBSON LN

OLD JACKSBORO HWY

OLD JACKSBORO PIKE INLET

HUNTERS BRANCH RD

LAFOLLETTE CITY LIMITS

LICENSED STATE R.O.W.

S.R. 9

S.R. 9 STA. 104+70.00 = HUNTERS BRANCH RD STA. 600+00.00 N 743023.5046 E 2515558.7376

STA. 100+00.00 N 742633.9134 E 2515295.8333

STA. 110+00.00 N 743462.8304 E 2515655.2038

CP-XCP47 CP-XCP48 CP-XCP49

STA. 606+90.00 N 742550.1184 E 2516003.7011

POT 6+40.00 N 742930.1622 E 2515883.2189

PROPOSED CONSTRUCTION EASEMENT

PROP. CONST. EASEMENT

LIMIT OF CONST. STA 606+00.00

PROP. R.O.W CUT

PRES. R.O.W

PRES. & PROP. R.O.W

PIPE

CUT

PROPERTY LINE TABLE		
LINE	DIRECTION	DISTANCE
LINE SL01	N 27° 09' 25" W	24.67'
LINE SL02	N 45° 50' 15" W	44.27'
LINE SL03	N 41° 21' 32" W	30.83'
LINE SL04	S 41° 21' 32" E	22.99'
LINE SL05	N 34° 04' 40" W	60.17'
LINE SL06	N 47° 48' 47" W	56.79'
LINE SL07	N 35° 00' 22" W	62.17'
LINE SL50	N 34° 05' 34" E	33.77'
LINE SL51	S 26° 06' 00" E	24.06'
LINE SL52	S 38° 21' 58" E	39.48'
LINE SL60	S 49° 18' 03" W	13.23'
LINE SL61	S 49° 36' 50" E	37.73'
LINE SL62	N 86° 36' 47" W	38.42'

LICENSED STATE R.O.W. AREA

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
XCP47	743490.8440	2515831.7937	1093.42	110+10.13	-35.08
XCP48	743043.2793	2515526.8312	1083.02	104+68.54	-37.51
XCP49	742564.8586	2515198.3090	1084.22	98+88.21	-42.21

STATION AND OFFSETS ARE REFERENCED TO SR-9

SEALED BY

ERIC KIM REGISTERED ENGINEER AGRICULTURE NUMBER 127831 STATE OF TENNESSEE

05/29/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAILS

STA. 102+97.00 TO STA. 106+25.00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	4B
PS&E	2026	NH-SIP-9(124)	4B

REV. 10/30/24 : ADDED GUARDRAIL FROM APPROX. STA. 103+98 TO 105+21. REVISED SHOULDER, GUARDRAIL, AND POLE NO. 1 LOCATION.

BEGIN PROJ. NO. 07S009-S2-004
STA. 102+97.00 (R.O.W.)
N 742880.0983
E 2515461.9640

END PROJ. NO. 07S009-S2-004
STA. 106+25.00 (R.O.W.)
N 743151.9868
E 2515645.4401

NH-SIP-9(124)
END PROJ. NO. 07S009-F3-002
STA. 108+20.00 (CONST.)
N 743313.6217
E 2515754.5146

100
NH-SIP-9(124)
BEGIN PROJ. NO. 07S009-F3-002
STA. 101+78.00 (CONST.)
N 742781.4607
E 2515395.4013

105

110

STA. 100+00.00
N 742633.9134
E 2515295.8333

STA. 110+00.00
N 743462.8304
E 2515855.2038

BEGIN COLD PLANE AND RESURF. STA. 103+00.00

END COLD PLANE AND RESURF. STA. 108+20.00

S.R. 9 STA. 104+70.00 = HUNTERS BRANCH RD STA. 600+00.00
N 743023.5046
E 2515558.7376

STR-1

STREET STOP

STR-2

PROP. SIGNAL POLE NO. 1
STA.104+45.00 OFF. 43.00 LT

TYPE 13
STA. 103+98.12
36.24 LT.

TYPE 38
STA. 105+31.40
36.18 LT.

07SR00900015 (TO REMAIN)

7@6.2"@ 85.5°C.B.C. 07SR00900015(TO REMAIN)

203.2'@10°45' R.C.B.C.

S.R. 9

N 34° 00' 44" E

12"HYL

6"DSYL

BEGIN GRADED SOLID ROCK BUTTRESS STA. 600+40.00

6"SSWL

6"SBWL

6"SSYL

S 55° 59' 16" E

R 60'

R 50'

R 45'

R 40'

7.0'

TYPE IN-LINE
STA. 102+08.71
42.61 (RT.)

TYPE IN-LINE
STA. 104+00.67
37.08 (RT.)

END GRADED SOLID ROCK BUTTRESS STA. 600+75.00

ROUND END
STA. 101+78.54
69.57 (LT.)

BEGIN TAPER
STA. 105+44.00
OFFSET 33.65

END TAPER
STA. 106+34.00
OFFSET 28.85

90' PVMT. TRANS.

PROP. SIGNAL POLE NO. 2
STA.105+20.00 OFF. 55.00 RT

30' PVMT. TRANS.

BEGIN TAPER
STA. 602+20.00
OFFSET 18.00

END TAPER
STA. 602+50.00
OFFSET 11.00

20 MPH

S 8° 30' 10" E

12.0'

12.0'

6.0'

12.0'

6.0'

12.0'

6

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	4C
PS&E	2026	NH-SIP-9(124)	4C

NOTE: PROFILE IS FOR REFERENCE ONLY. FINISHED GRADE IS TO FOLLOW EXISTING GRADE.

BEGIN PROJ. NO. 07S009-S2-004
STA. 102+97.00 (R.O.W.)
N 742880.0983
E 2515461.9640

NH-SIP-9(124)
BEGIN PROJ. NO. 07S009-F3-002
STA. 101+78.00 (CONST.)
N 742781.4607
E 2515395.4013

END PROJ. NO. 07S009-S2-004
STA. 106+25.00 (R.O.W.)
N 743151.9868
E 2515645.4401

NH-SIP-9(124)
END PROJ. NO. 07S009-F3-002
STA. 108+20.00 (CONST.)
N 743313.6217
E 2515754.5146

BEGIN COLD PLANE AND RESURF. STA. 103+00.00

END COLD PLANE AND RESURF. STA. 108+20.00

OH WIRE
STA. 106+52.78
LOW WIRE EL.1118.03'
TEMP. 78 DEG.
1 POWER
1 TELEPHONE
1 CABLE
2 GUY WIRE

S.R. 9 STA. 104+70.00 = HUNTERS BRANCH RD STA. 600+00.00
N 743023.5046
E 2515568.7376

FINISHED GRADE

EXIST. GRADE

UNDERGROUND PHONE LINE HAS BEEN ABANDONED

UNDERGROUND PHONE LINE HAS BEEN ABANDONED

10" CAST IRON WATERLINE HAS BEEN ABANDONED

T (UG) T (LG) F (UG) 10" W

BRIDGE ID. # 07SR0090017

BRIDGE ID. # 07SR0090015

DRAINAGE DATA FOR
STATION: 102+68.32
EXISTING STRUCTURE:
2 8'X5' CONCRETE BOX CULVERTS

INLET	1064.77	ELEV.
OUTLET	1062.82	ELEV.
SKEW	45	DEG.
FLOW	RIGHT	
DRAINAGE AREA	528.38	AC.
TERRAIN	ROLLING	
IMPERVIOUS AREA		%
DISCHARGE (Q50)	358.30	CFS
DISCHARGE (Q100)	422.42	CFS
VELOCITY (Q50)	5.71	FT/S
VELOCITY (Q100)	6.60	FT/S

CP-XCP48
STA. 104+68.54, 37.51'(LT)
N 743043.2793
E 2515526.8312
ELEV 1083.02
ALUM. DISK

S.R. 9

DRAINAGE DATA FOR
STATION: 104+68.18
EXISTING STRUCTURE:
2 10'X5' CONCRETE BOX CULVERTS

INLET	1062.89	ELEV.
OUTLET	1062.39	ELEV.
SKEW	27 / 45	DEG.
FLOW	RIGHT	
DRAINAGE AREA	627.95	AC.
TERRAIN	ROLLING	
IMPERVIOUS AREA		%
DISCHARGE (Q50)	405.44	CFS
DISCHARGE (Q100)	477.51	CFS
VELOCITY (Q50)	5.84	FT/S
VELOCITY (Q100)	6.28	FT/S

CP-XCP47
STA. 110+10.13, 35.08'(LT)
N 743490.8440
E 2515831.7937
ELEV 1093.42
ALUM. DISK

1135 1130 1125 1120 1115 1110 1105 1100 1095 1090 1085 1080 1075 1070 1065 1060 1055 1050 1045 1040

100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00

SEALED BY

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REGISTERED ENGINEER
AGRICULTURE
COMMERCE
12783
STATE OF TENNESSEE

05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

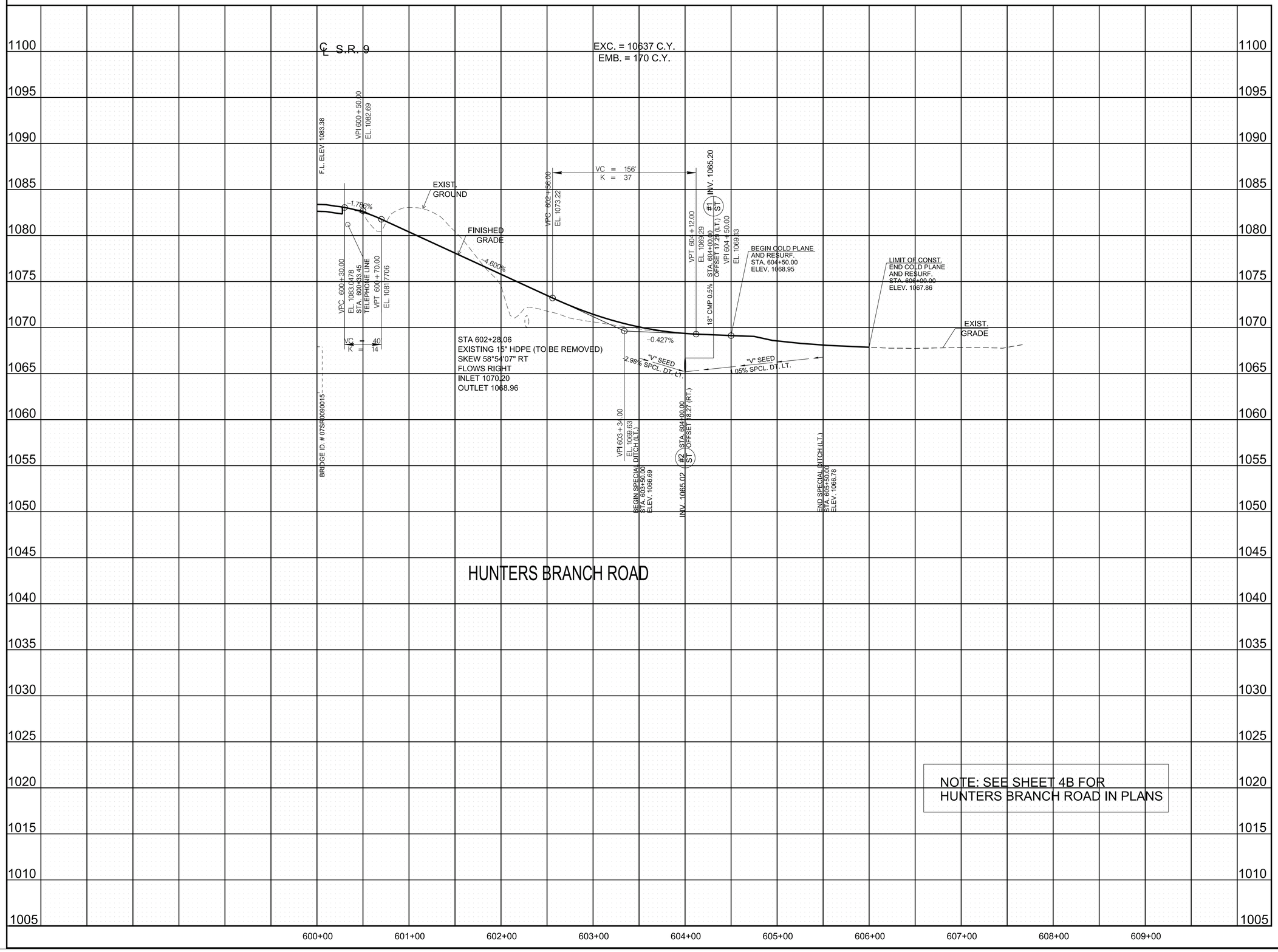
PROPOSED PROFILE

STA. 101+78.00 TO STA. 108+20.00

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	5
PS&E	2026	NH-SIP-9(124)	5



SEALED BY



05/29/2026

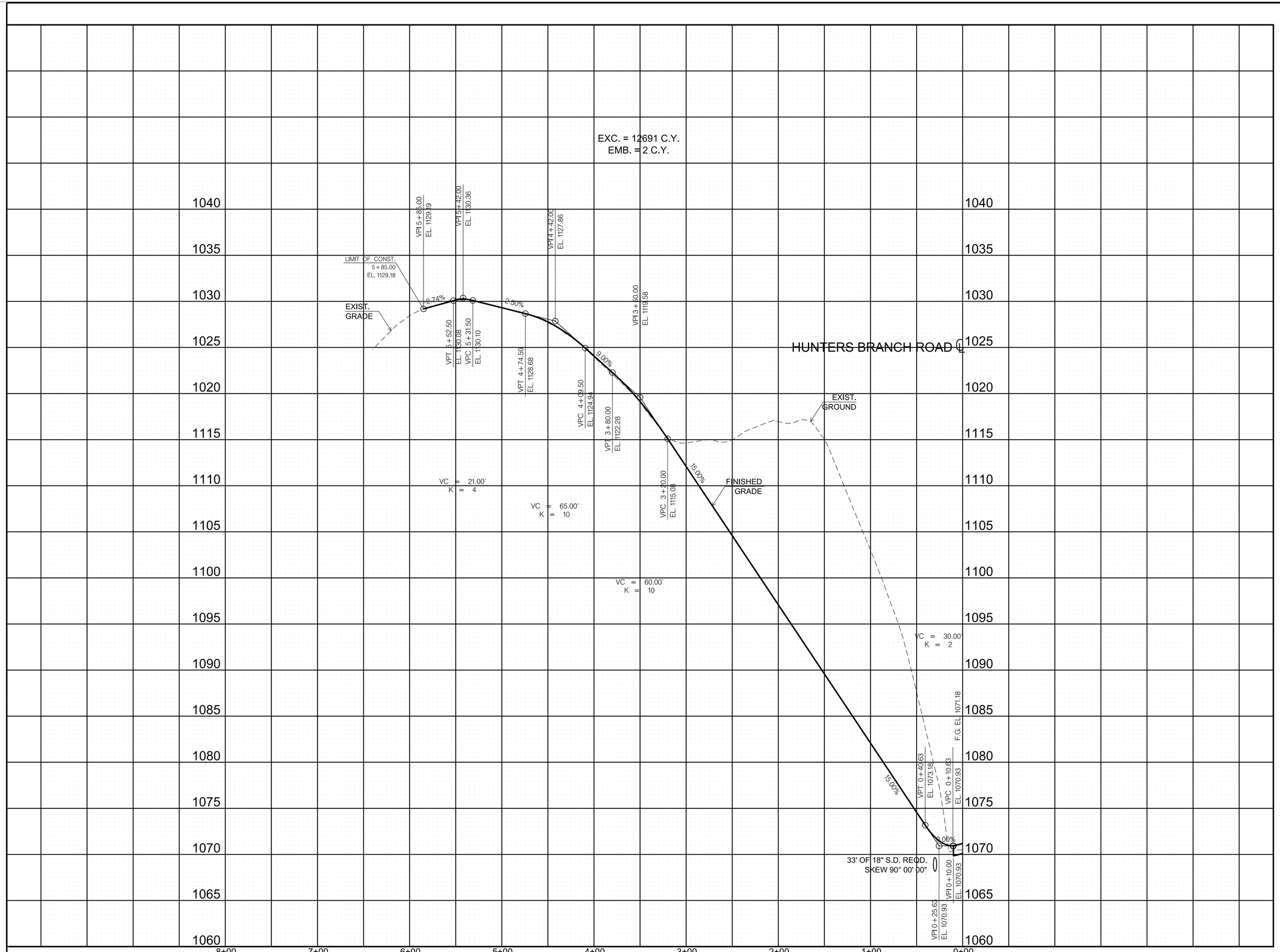
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DEPARTMENT OF TRANSPORTATION

SIDE ROADS PROFILE

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	6
PS&E	2026	NH-SIP-9(124)	6



SEALED BY

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REGISTERED ENGINEER
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AGRICULTURE
COMMERCE
12783
STATE OF TENNESSEE

05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILE

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	7
PS&E	2026	NH-SIP-9(124)	7

BEGIN PROJ. NO. 07S009-S2-004
STA. 102+97.00 (R.O.W.)
N 742880.0983
E 2515461.9640

END PROJ. NO. 07S009-S2-004
STA. 106+25.00 (R.O.W.)
N 743151.9868
E 2515645.4401

NH-SIP-9(124)
END PROJ. NO. 07S009-F3-002
STA. 108+20.00 (CONST.)
N 743313.6217
E 2515754.5146

NH-SIP-9(124)
BEGIN PROJ. NO. 07S009-F3-002
STA. 101+78.00 (CONST.)
N 742781.4607
E 2515395.4013

STA. 100+00.00
N 742633.9134
E 2515265.8333

STA. 110+00.00
N 743462.8304
E 2515855.2038

STA. 606+90.00
N 742550.1184
E 2516003.7011

POT-6+40.00
N 742590.1622
E 2516893.2781

POT-11+14.00
N 743023.5046
E 2515558.7376

S.R. 9 STA. 104+70.00 = HUNTERS BRANCH RD STA. 600+00.00

S.R. 9
55' ASP

OLD JACKSBORO HWY

GIBSON LN

HUNTERS BRANCH RD

OLD JACKSBORO PIKE INLET

12' ASP

2'X2' CONC

2'X3' CONC

18" RCP

24"RCP

15" HDPE TO BE REMOVED

RIP-RAP

STR-1

STR-2

12'X5' R.C.B.C.

10'X5' R.C.B.C.

203.2' @ 10'X5' R.C.B.C.

07SR0090015

07SR0090017

48.5' @ 8'X5' R.C.B.C.

N 34° 00' 44" E

S 55° 59' 16" E

S 33° 40' 14" E

S 88° 23' 17" E

S 80° 34' 42" E

S 88° 40' 07" E

S 33° 44' 40" E

S 36° 47' 25" E

N 12° 14' 02" E

N 88° 27' 47" W

N 47° 41' 54" W

TOP-1114.40

TOP-1072.73

INV-1065.86

INV-1065.22

INV-1064.77

INV-1065.05

INV-1063.30

INV-1062.99

INV-1065.39

INV-1065.34

INV-1065.45

INV-1065.23

INV-1070.71

INV-1070.69

INV-1062.39

INV-1062.49

INV-1063.18

INV-1062.82

INV-1075.83

INV-1074.07

INV-1068.96

INV-1070.20

INV-1080.97

605

5

1 DRAINAGE DATA FOR DUAL 8'X5' BOX CULVERT
STATION 102+68.74

DIRECTION OF FLOW: RIGHT

DRAINAGE AREA 529.42 ACRES, (X) ROLLING

PRESENT STRUCTURE: 2 8'X5' CONCRETE BOX CULVERTS

EXISTING STRUCTURE CONDITION: GOOD

REMARKS:

2 DRAINAGE DATA FOR DUAL 10'X5' BOX CULVERT
STATION 104+64.24

DIRECTION OF FLOW: RIGHT

DRAINAGE AREA 627.13 ACRES, (X) ROLLING

PRESENT STRUCTURE: 2 10'X5' CONCRETE BOX CULVERTS

EXISTING STRUCTURE CONDITION: GOOD

REMARKS:

3 DRAINAGE DATA FOR 15" HDPE
STATION 600+48.76

DIRECTION OF FLOW: RIGHT

DRAINAGE AREA 4.31 ACRES, (X) HILLY

PRESENT STRUCTURE: DITCH

EXISTING STRUCTURE CONDITION: GOOD

REMARKS:

N.T.S.

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COMMERCE
12781
STATE OF TENNESSEE

05/29/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

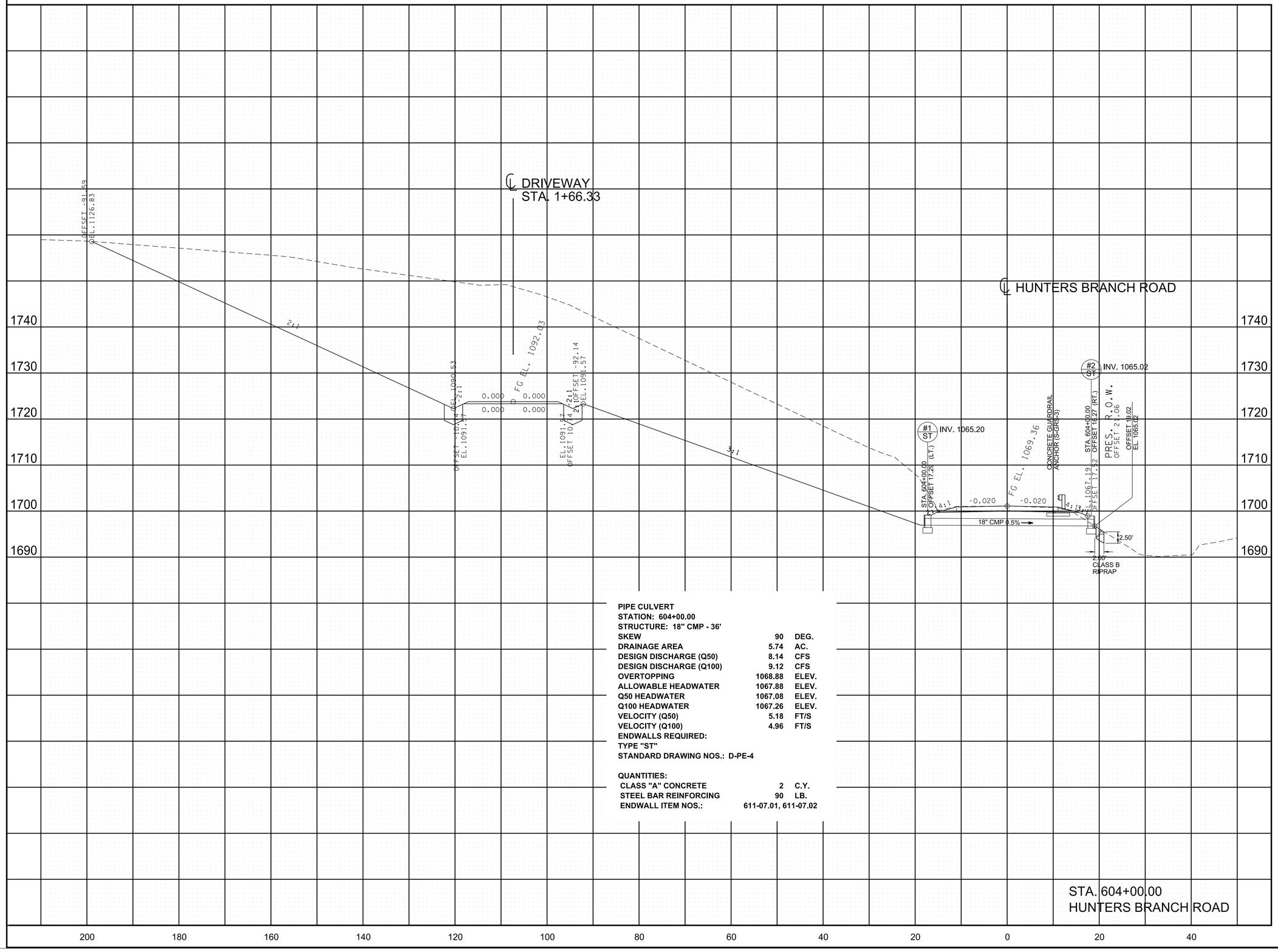
DRAINAGE MAP

STA.101+78..00 TO STA.108+20.00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	8
PS&E	2026	NH-SIP-9(124)	8



PIPE CULVERT
STATION: 604+00.00
STRUCTURE: 18" CMP - 36'

SKEW	90	DEG.
DRAINAGE AREA	5.74	AC.
DESIGN DISCHARGE (Q50)	8.14	CFS
DESIGN DISCHARGE (Q100)	9.12	CFS
OVERTOPPING	1068.88	ELEV.
ALLOWABLE HEADWATER	1067.88	ELEV.
Q50 HEADWATER	1067.08	ELEV.
Q100 HEADWATER	1067.26	ELEV.
VELOCITY (Q50)	5.18	FT/S
VELOCITY (Q100)	4.96	FT/S

ENDWALLS REQUIRED:
TYPE "ST"
STANDARD DRAWING NOS.: D-PE-4

QUANTITIES:

CLASS "A" CONCRETE	2	C.Y.
STEEL BAR REINFORCING	90	LB.
ENDWALL ITEM NOS.:	611-07.01, 611-07.02	

STA. 604+00.00
HUNTERS BRANCH ROAD

SEALED BY

ERIC KIM
REGISTERED ENGINEER
AGRICULTURE
No. 127851
COMMERCE
STATE OF TENNESSEE

05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTION

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	9
PS&E	2026	NH-SIP-9(124)	9

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

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.

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.

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05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	10
PS&E	2026	NH-SIP-9(124)	10

TABULATED EPSC QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	STAGE I QUANTITY 07S009-F3-002	STAGE II QUANTITY 07S009-F3-002	STAGE III QUANTITY 07S009-F3-002	TOTAL QUANTITY
(1)(2)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	7	7		14
(1)	209-03.21	FILTER SOCK (12 INCH)	L.F.	1796	595		2391
(1)	209-05	SEDIMENT REMOVAL	C.Y.	50			50
(1)	209-08.07	ROCK CHECK DAM	EACH		18		18
(1)	209-08.08	ENHANCED ROCK CHECK DAM	EACH		1		1
(1)(3)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON		8		8
(1)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	622	338		960
(1)(4)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	50	50		100
(1)(5)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON		46		46
(1)(6)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	86	194		280
(1)	740-11.03	TEMPORARY SEDIMENT TUBE 18IN	L.F.		1429		1429
(7)(8)	801-01	SEEDING (WITH MULCH)	UNIT			1	1
(1)(8)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT		80		80
(1)(8)	801-02	SEEDING (WITHOUT MULCH)	UNIT			80	80
(1)(9)	801-03	WATER (SEEDING & SODDING)	M.G.		8	8	16
(1)	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.			8853	8853

FOOTNOTES

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

(2) INCLUDES 14 C.Y. FOR TEMPORARY CONSTRUCTION EXITS.

(3) INCLUDES 8 TONS FOR CULVERT PROTECTION (TYPE 1).

(4) INCLUDES 100 TONS FOR TEMPORARY CONSTRUCTION EXITS, AND

(5) TO BE USED FOR CULVERT PROTECTION (TYPE 1).

(6) INCLUDES 172 S.Y. FOR TEMPORARY CONSTRUCTION EXITS, AND 54 S.Y. FOR CULVERT PROTECTION (TYPE 1).

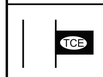
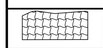
(7) TO BE USED FOR SCARIFIED AREAS.

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

(9) INCLUDES 16 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.

ALL ALL EPSC MEASURES ARE TEMPORARY AND WILL BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

	SYMBOL	ITEM	STD. DWG.
		ROCK CHECK DAM (V-DITCH)	EC-STR-6
		ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	* *SOCK 12"* *SOCK 12"* *	12 INCH FILTER SOCK	EC-STR-8
		CULVERT PROTECTION (TYPE 1)	EC-STR-11
*		TEMPORARY CONSTRUCTION EXIT	EC-STR-25
		EROSION CONTROL BLANKET	EC-STR-34
	* *TUBE 18"* *TUBE 18"* *	18 INCH SEDIMENT TUBE	EC-STR-37
	* HVF * HVF *	HIGH VISIBILITY FENCE	S-F-1

* TEMPORARY CONSTRUCTION EXIT TO BE LOCATED BY THE ENGINEER.

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05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) LEGEND & TABULATION

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	11
PS&E	2026	NH-SIP-9(124)	11

REV. 10/30/24 : REVISED PROPOSED R.O.W. AND CONSTRUCTION EASEMENT FOR TRACT 9. REVISED SLOPE LINES ALONG S.R. 9.

BEGIN PROJ. NO. 07S009-S2-004
STA. 102+97.00 (R.O.W.)
N 742880.0983
E 2515461.9640

END PROJ. NO. 07S009-S2-004
STA. 106+25.00 (R.O.W.)
N 743151.9868
E 2515645.4401

NH-SIP-9(124)
END PROJ. NO. 07S009-F3-002
STA. 108+20.00 (CONST.)
N 743313.6217
E 2515754.5146

100
NH-SIP-9(124)
BEGIN PROJ. NO. 07S009-F3-002
STA. 101+78.00 (CONST.)
N 742781.4607
E 2515395.4013

105

110

STA. 100+00.00
N 742633.9134
E 2515295.8333

STA. 110+00.00
N 743462.8304
E 2515655.2038

GIBSON LN
12' ASP
STR-1
OLD JACKSBORO PIKE INLET
OLD JACKSBORO HWY
LICENSED STATE R.O.W.
TOP 1072.73
PRES. & PROP. R.O.W
PRES. R.O.W
S.R. 9
55' ASP
N 34° 00' 44" E
S 55° 59' 16" E
S.R. 9 STA. 104+70.00 =
HUNTERS BRANCH RD STA. 600+00.00
N 743023.5046
E 2515558.7376
UNDISTURBED AREA
LIMITS OF DISTURBANCE
12" FILTER SOCK (STACKED)
OUT - 1
PROP. CONST. EASEMENT
S 8° 40' 20" E
S 28° 23' 17" E
HUNTERS BRANCH RD
12' ASP
S 54° 46" E
PROP. R.O.W
FLAG
POT 6+40.00
N 742930.1922
E 2516883.2188
TOP 1114.40
STA. 603+08.00
18' ASP, PVT. DR.
33' - 18" SD REQD.
LIMIT OF CONST.
STA. 5+85.00
N 88° 27' 47" W
S 33° 40' 14" E
S 56° 47' 25" E
S 89° 24' 17" E
N 12° 11' 02" E
N 4° 47' 54" W
S 80° 54' 42" E
LIMIT OF CONST. END COLD PLANE AND RESURF. STA 606+00.00
STA. 606+00.00
N 742560.1784
E 2516003.7011
605

OUTFALLS		
Outfall No.	Drainage Area	Average Slope
1	4.310 AC	10.02%

STAGE I

LIMITS OF DISTURBED AREA

EXISTING CONTOURS

SEALED BY

ERIC KIM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
12781
STATE OF TENNESSEE

05/29/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 101+78.00 TO STA. 108+20.00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	12
PS&E	2026	NH-SIP-9(124)	12

REV. 10/30/24 : REVISED PROPOSED R.O.W. AND CONSTRUCTION EASEMENT FOR TRACT 9. ADDED GUARDRAILS AT APPROX. STA. 103+98 TO STA. 105+21. REVISED SHOULDER, GUARDRAIL, POLE NO. 1 LOCATION, PROPOSED CONTOUR AND SLOPE LINES ALONG S.R. 9.

BEGIN PROJ. NO. 07S009-S2-004
STA. 102+97.00 (R.O.W.)
N 742880.0983
E 2515461.9640

END PROJ. NO. 07S009-S2-004
STA. 106+25.00 (R.O.W.)
N 743151.9868
E 2515645.4401

NH-SIP-9(124)
END PROJ. NO. 07S009-F3-002
STA. 108+20.00 (CONST.)
N 743313.6217
E 2515754.5146

100
NH-SIP-9(124)
BEGIN PROJ. NO. 07S009-F3-002
STA. 101+78.00 (CONST.)
N 742781.4607
E 2515395.4013

STA. 100+00.00
N 742633.9134
E 2515295.8333

STA. 110+00.00
N 743462.8304
E 2515655.2038

PRES. & PROP. R.O.W

LICENSED STATE R.O.W.

N 34° 00' 44" E

S 55° 59' 16" E

S 8° 10' 20" E

S 33° 40' 14" E

S 56° 47' 23" E

S 80° 54' 42" E

N 51° 19' 46" E

N 88° 27' 46" E

N 37° 12' 41" W

S 89° 25' 15" E

S.R. 9 STA. 104+70.00 =
HUNTERS BRANCH RD STA. 600+00.00
N 743023.5046
E 2515558.7376

PT. STA. 604+40.00
N 742930.1922
E 2516883.2188

STA. 603+08.00
18' ASP, PVT. DR.
33' - 18" SD REQD.

LIMIT OF CONST.
STA. 5+85.00

LIMIT OF CONST.
END COLD PLANE
AND RESURF.
STA 606+00.00

STA. 606+90.00
N 742550.1184
E 2516008.7011

OUT - 2

OUT - 3

INV. 1065.02

INV. 1065.20

STR-1

STR-2

STR-3

STR-4

PROP. CONST. EASEMENT

BEGIN SPECIAL DITCH
STA. 603+00.00
OFFSET 17.00 LT.

END SPECIAL DITCH
STA. 604+00.00
OFFSET 18.88 LT.

BEGIN SPECIAL DITCH
STA. 604+00.00
OFFSET 18.88 LT.

END SPECIAL DITCH
STA. 605+50.00
OFFSET 13.17 LT.

18" CMP

TUBE 18"

SEED

UNDISTURBED AREA

LIMITS OF DISTURBANCE

605

OUTFALLS		
Outfall No.	Drainage Area	Average Slope
2	5.370 AC	8.89%
3	0.209 AC	4.30%

STAGE II

LIMITS OF DISTURBED AREA

EXISTING CONTOURS

PROPOSED CONTOURS

SEALED BY

ERIC KIM
REGISTERED ENGINEER
AGRICULTURE
TENNESSEE
12781
STATE OF TENNESSEE
05/29/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 101+78.00 TO STA. 108+20.00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	13
PS&E	2026	NH-SIP-9(124)	13

REV. 10/30/24 : REVISED PROPOSED R.O.W. AND CONSTRUCTION EASEMENT FOR TRACT 9. ADDED GUARDRAILS AT APPROX. STA. 103+98 TO STA. 105+21. REVISED SHOULDER, GUARDRAIL, POLE NO. 1 LOCATION, AND SLOPE LINES ALONG S.R. 9.

BEGIN PROJ. NO. 07S009-S2-004
STA. 102+97.00 (R.O.W.)
N 742880.0983
E 2515461.9640

END PROJ. NO. 07S009-S2-004
STA. 106+25.00 (R.O.W.)
N 743151.9868
E 2515645.4401

NH-SIP-9(124)
END PROJ. NO. 07S009-F3-002
STA. 108+20.00 (CONST.)
N 743313.6217
E 2515754.5146

NH-SIP-9(124)
BEGIN PROJ. NO. 07S009-F3-002
STA. 101+78.00 (CONST.)
N 742781.4607
E 2515395.4013

STA. 100+00.00
N 742633.9134
E 2515295.8333

STA. 110+00.00
N 743462.8304
E 2515655.2038

100 105 110

605

PRES. & PROP. R.O.W

LICENSED STATE R.O.W.

N 34° 00' 44" E

S 55° 59' 16" E

S 8° 40' 20" E

S 28° 23' 11" E

N 51° 54' 48" E

S 33° 40' 14" E

S 56° 47' 25" E

S 80° 54' 42" E

N 88° 27' 41" E

N 47° 21' 17" W

N 12° 17' 02" E

S.R. 9 STA. 104+70.00 =
HUNTERS BRANCH RD STA. 600+00.00
N 743023.5046
E 2515558.7376

POT 6+40.00
N 742930.1822
E 2516863.2084

STA. 600+00.00
OFFSET 18.87 (LT)

STA. 601+00.00
OFFSET 17.89 (LT)

STA. 602+00.00
OFFSET 17.89 (LT)

STA. 603+08.00
18" ASP, PVT. DR.
33' - 18" SD REQD.

LIMIT OF CONST.
STA. 5+85.00

BEGIN SPECIAL DITCH
STA. 602+00.00
OFFSET 7.00 LT.

END SPECIAL DITCH
STA. 603+00.00
OFFSET 18.88 LT.

BEGIN SPECIAL DITCH
STA. 604+00.00
OFFSET 18.88 LT.

END SPECIAL DITCH
STA. 605+50.00
OFFSET 13.17 LT.

STA. 606+00.00
N 742550.1184
E 2516003.7011

INV. 1065.02

INV. 1066.20

OUT - 2

OUT - 3

STR-1

STR-2

STR-3

PROP. CONST. EASEMENT

PROP. CONST. EASEMENT

PROP. CONST. EASEMENT

UNDISTURBED AREA

LIMITS OF DISTURBANCE

16" CMP @ 3%

24" SEED

APPROXIMATE LOCATION ONLY - NOT VERIFIED BY SURVEY

LIMIT OF CONST. END COLD PLANE AND RESURF. STA 606+00.00

OUTFALLS		
Outfall No.	Drainage Area	Average Slope
2	5.370 AC	8.89%
3	0.209 AC	4.30%

STAGE III

LIMITS OF DISTURBED AREA

EXISTING CONTOURS

PROPOSED CONTOURS

SEALED BY

ERIC KIM
REGISTERED ENGINEER
AGRICULTURE
No. 127451
STATE OF TENNESSEE

05/29/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

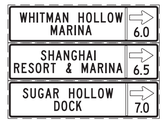
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 101+78.00 TO STA. 108+20.00

SCALE: 1"= 50'

ALL SIGNS SHOWN WITH DESIGNATIONS ARE TO BE FABRICATED AS DETAILED IN THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" OR THE CURRENT EDITION OF THE "TENNESSEE SUPPLEMENT TO THE STANDARD HIGHWAY SIGNS BOOK"

CONCRETE AND STEEL QUANTITIES FOR FOOTINGS ARE PER EACH

SIGN NO.	LEGEND	SHEET NO.	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN. STEEL LBS.		
1 2 3	 W3-3	4B	36"	36"									YELLOW/ RED/GREEN (REF.)		0.100" SHEET ALUMINUM	P5	h = 13'-3" h = 10'-9" h = 13'-0"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORT REQUIRES SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A. INCLUDE SIGN POST DELINEATION ENHANCEMENT ITEM NO. 713-02.21 ON SIGN POSTS. SEE STD. DWG. T-S-16A.
4		4B	60" 60" 60"	15" 15" 15"												P5	h1 = 14'-0" h2 = 14'-6"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORT REQUIRES SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A.
5 6	 W1-4R W13-1P	SIG-2	36" 18"	36" 18"									BLACK	YELLOW /(REF.)	0.100" SHEET ALUMINUM 0.080" SHEET ALUMINUM	P6 P3	h = 15'-0" h = 5'-6"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P6 SUPPORT REQUIRES SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A.
8 9	 R10-12	SIG-2	30"	36"									BLACK	WHITE/ GREEN (REF.)	0.080" SHEET ALUMINUM						17'	OVERHEAD SIGN - SEE SIGNAL SHEETS FOR PLACEMENT
10		SIG-2	120"	24"	2¼"	1"	12"	9"		B			WHITE	GREEN/ (REF.)	0.100" SHEET ALUMINUM						17'	OVERHEAD SIGN - SEE SIGNAL SHEETS FOR PLACEMENT
11		SIG-2	96"	24"	2¼"	1"	12"	9"		C			WHITE	GREEN/ (REF.)	0.100" SHEET ALUMINUM						17'	OVERHEAD SIGN - SEE SIGNAL SHEETS FOR PLACEMENT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	NH-SIP-9(124)	14

SEALED BY

BRYAN BARTNIK
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 119311
STATE OF TENNESSEE

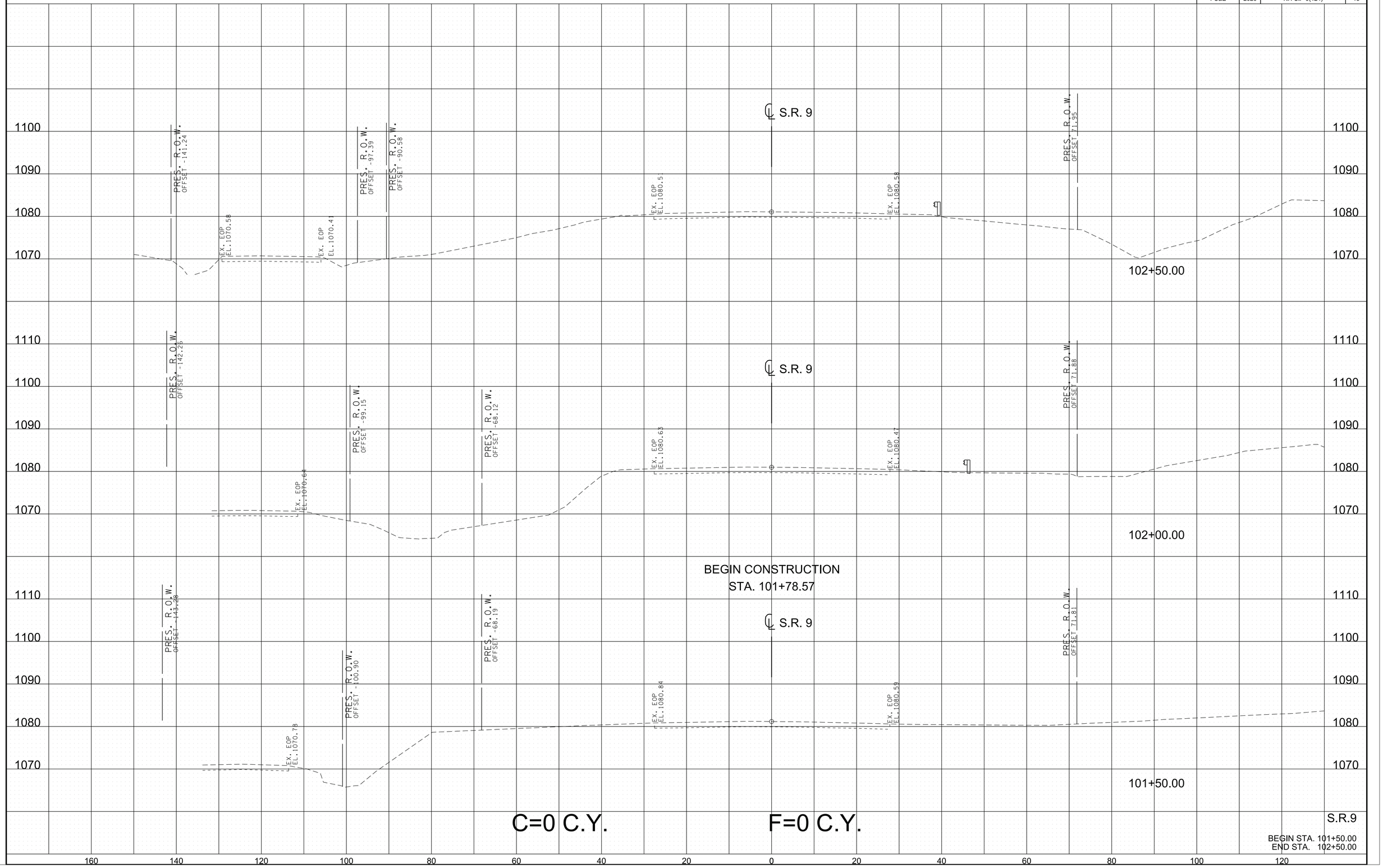
5/27/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	14
PS&E	2026	NH-SIP-9(124)	15

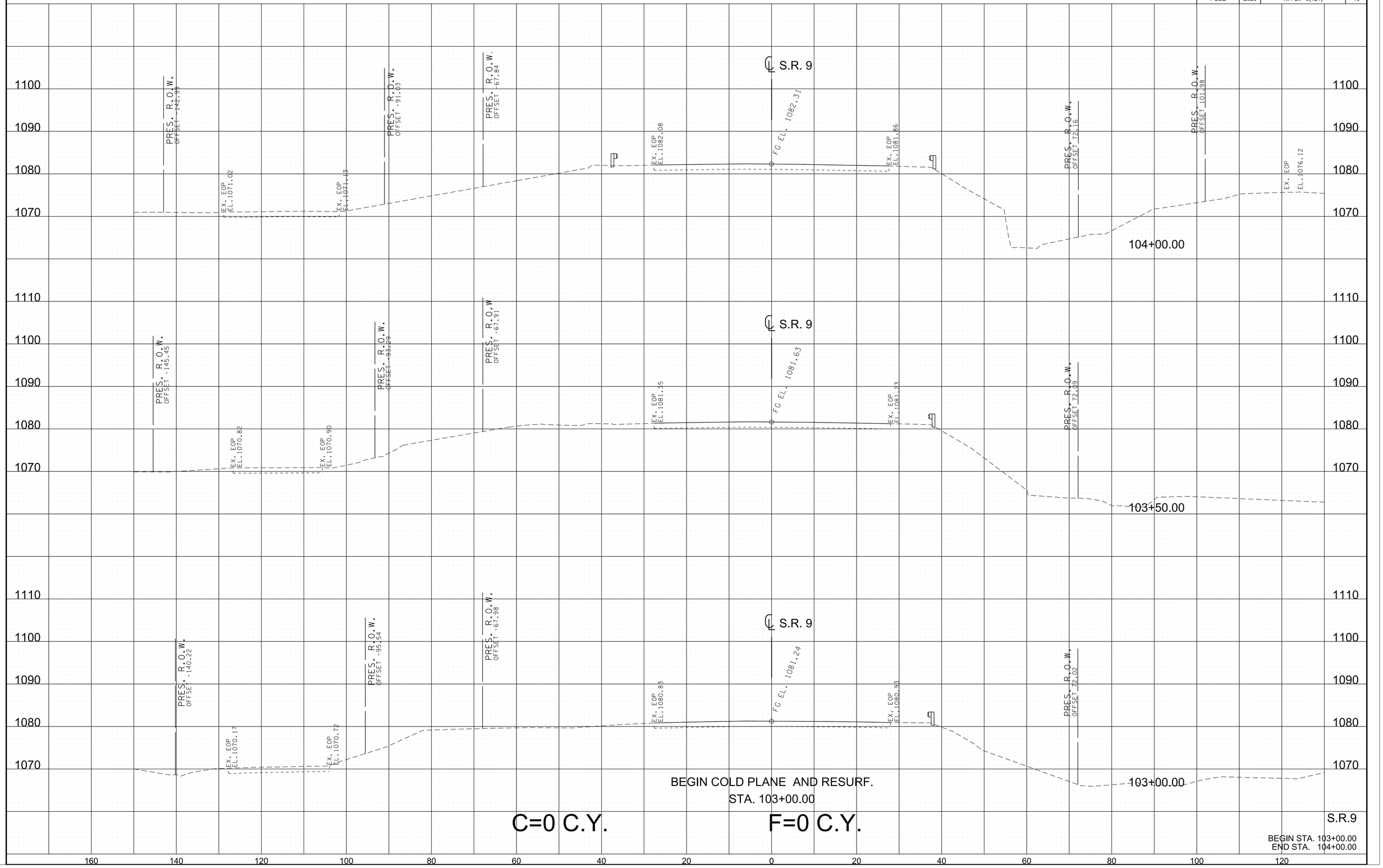


S.R.9

BEGIN STA. 101+50.00
END STA. 102+50.00

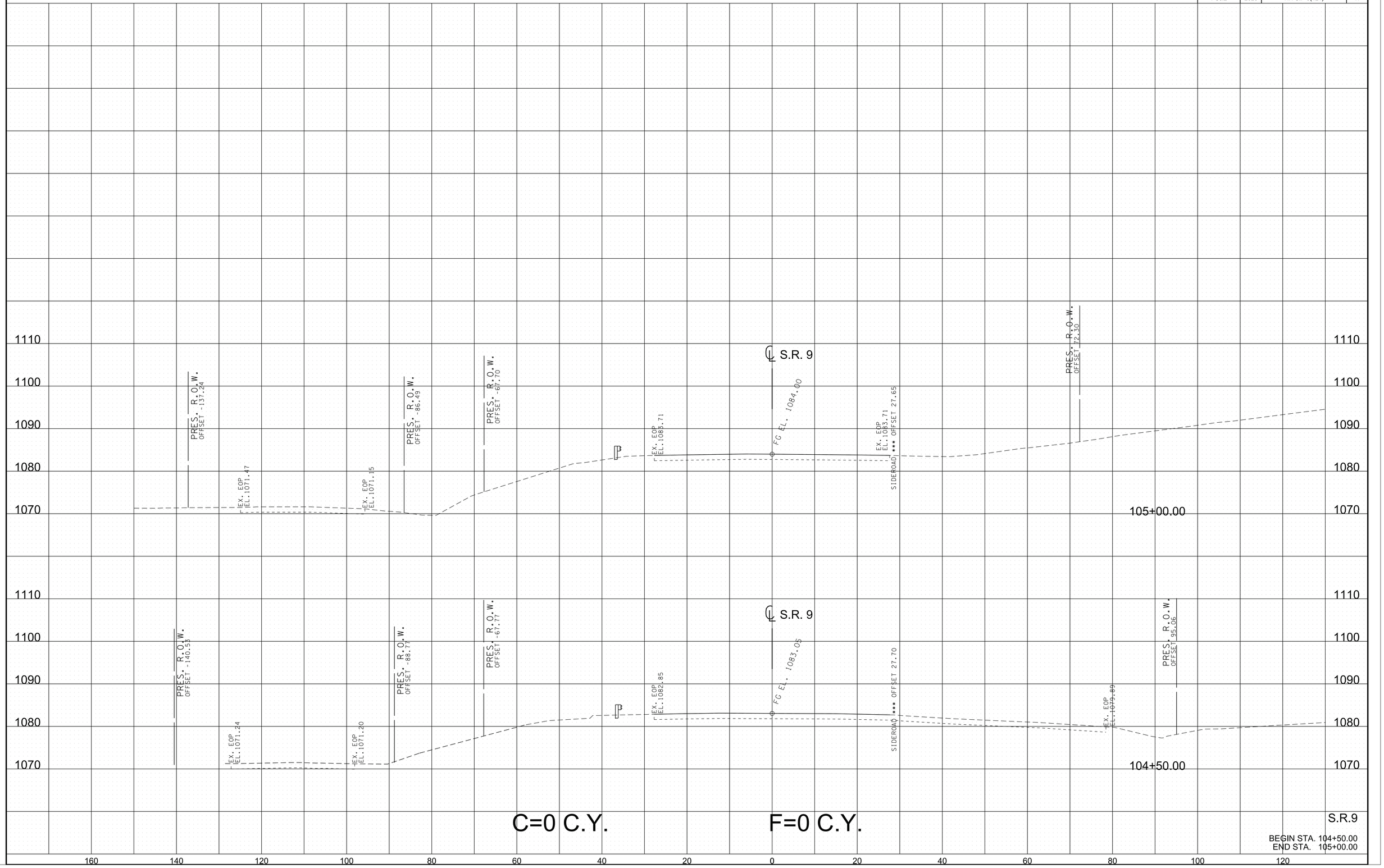
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	15
PS&E	2026	NH-SIP-9(124)	16



5/29/2026 11:32:09 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	16
PS&E	2026	NH-SIP-9(124)	17



C=0 C.Y.

F=0 C.Y.

S.R.9

BEGIN STA. 104+50.00
END STA. 105+00.00

5/29/2026 11:32:10 AM
\\tdot01nas002.tdot.state.tn.us\01\Shared\SURVDES\Design\PROJECTS\Campbell SR 9 Intersection at Hunters Branch Rd in LaFollette\015-020XSMainline.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	17
PS&E	2026	NH-SIP-9(124)	18

REV. 10/30/24 : ADDED WIDENED SHOULDER FOR STA. 105+50 AND 106+00.

END SHOULDER WIDENING (RT.)
STA. 106+34.00

℄ S.R. 9

FG EL. 1086.09

PRES. R.O.W. OFFSET -127.95
PRES. R.O.W. OFFSET -81.41
PRES. R.O.W. OFFSET -67.56
PRES. R.O.W. OFFSET 72.44

EX. EOP EL.1071.86
EX. EOP EL.1072.18
EX. EOP EL.1085.58
EX. EOP EL.1085.79
EL. 1083.90 OFFSET 35.41

2:1

CUT =6 S.F.
FILL =0 S.F.

CUT=62 C.Y.
FILL=0 C.Y.

106+00.00

BEGIN SHOULDER WIDENING (RT.)
STA. 105+26.95

℄ S.R. 9

FG EL. 1085.02

PRES. R.O.W. OFFSET -132.49
PRES. R.O.W. OFFSET -83.95
PRES. R.O.W. OFFSET -67.63
PRES. R.O.W. OFFSET 72.37

EX. EOP EL.1071.85
EX. EOP EL.1071.42
EX. EOP EL.1084.58
EX. EOP EL.1084.81
EL. 1083.07
EL. 1094.90 OFFSET 62.34

2:1

CUT =61 S.F.
FILL =0 S.F.

CUT=0 C.Y.
FILL=0 C.Y.

105+50.00

C=62 C.Y. F=0 C.Y.

S.R.9

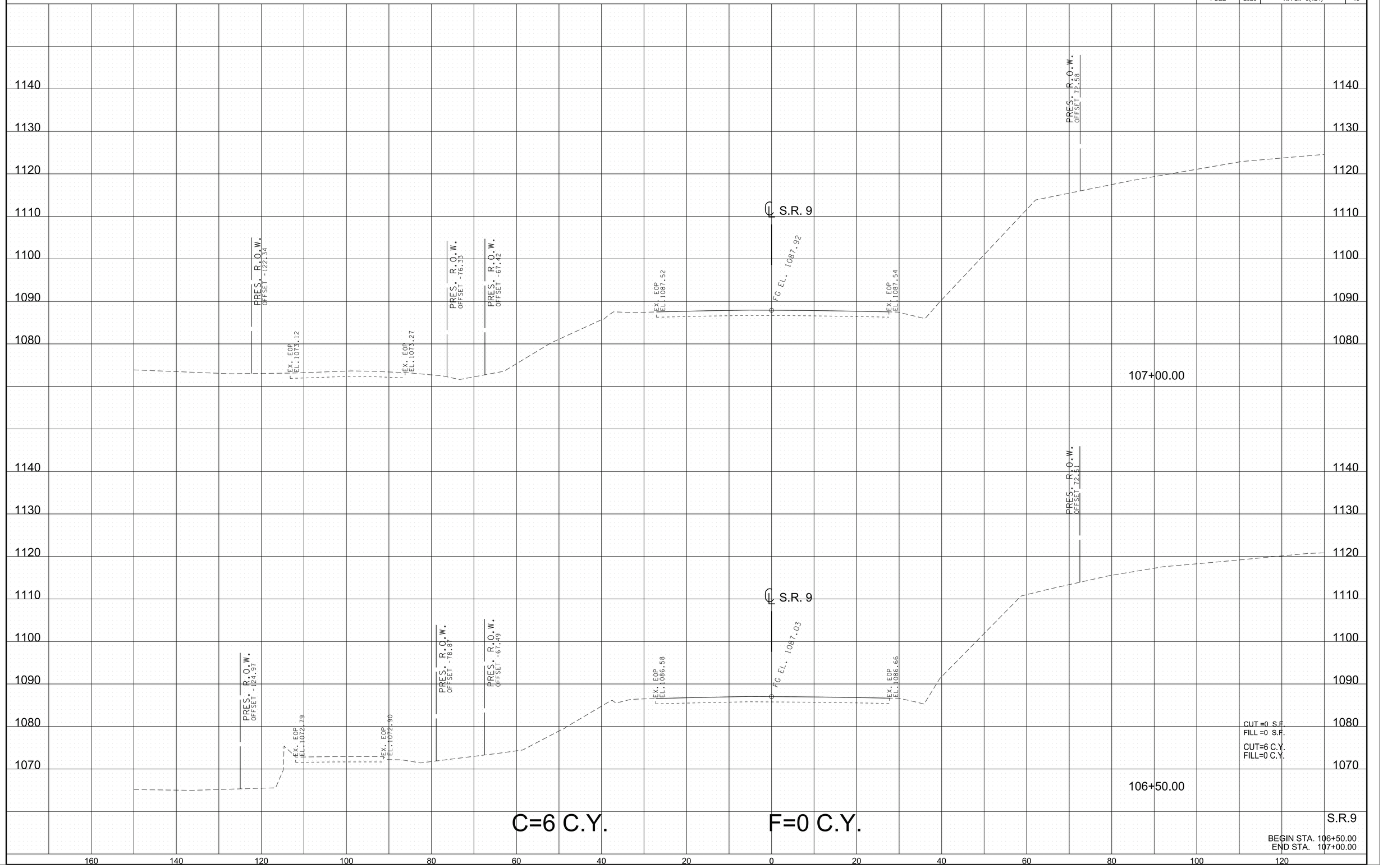
BEGIN STA. 105+50.00
END STA. 106+00.00

1130 1120 1110 1100 1090 1080 1070

160 140 120 100 80 60 40 20 0 20 40 60 80 100 120

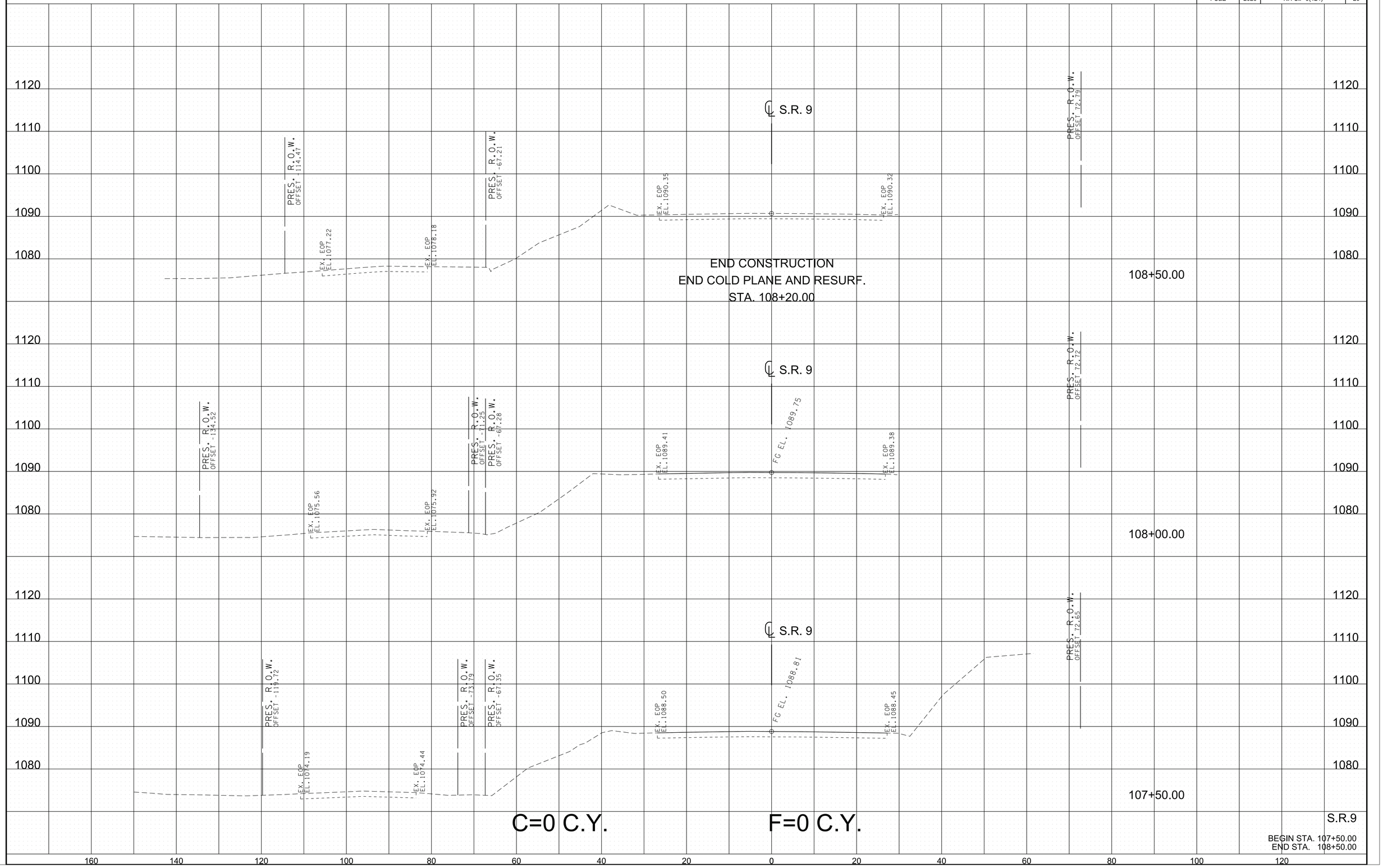
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	18
PS&E	2026	NH-SIP-9(124)	19



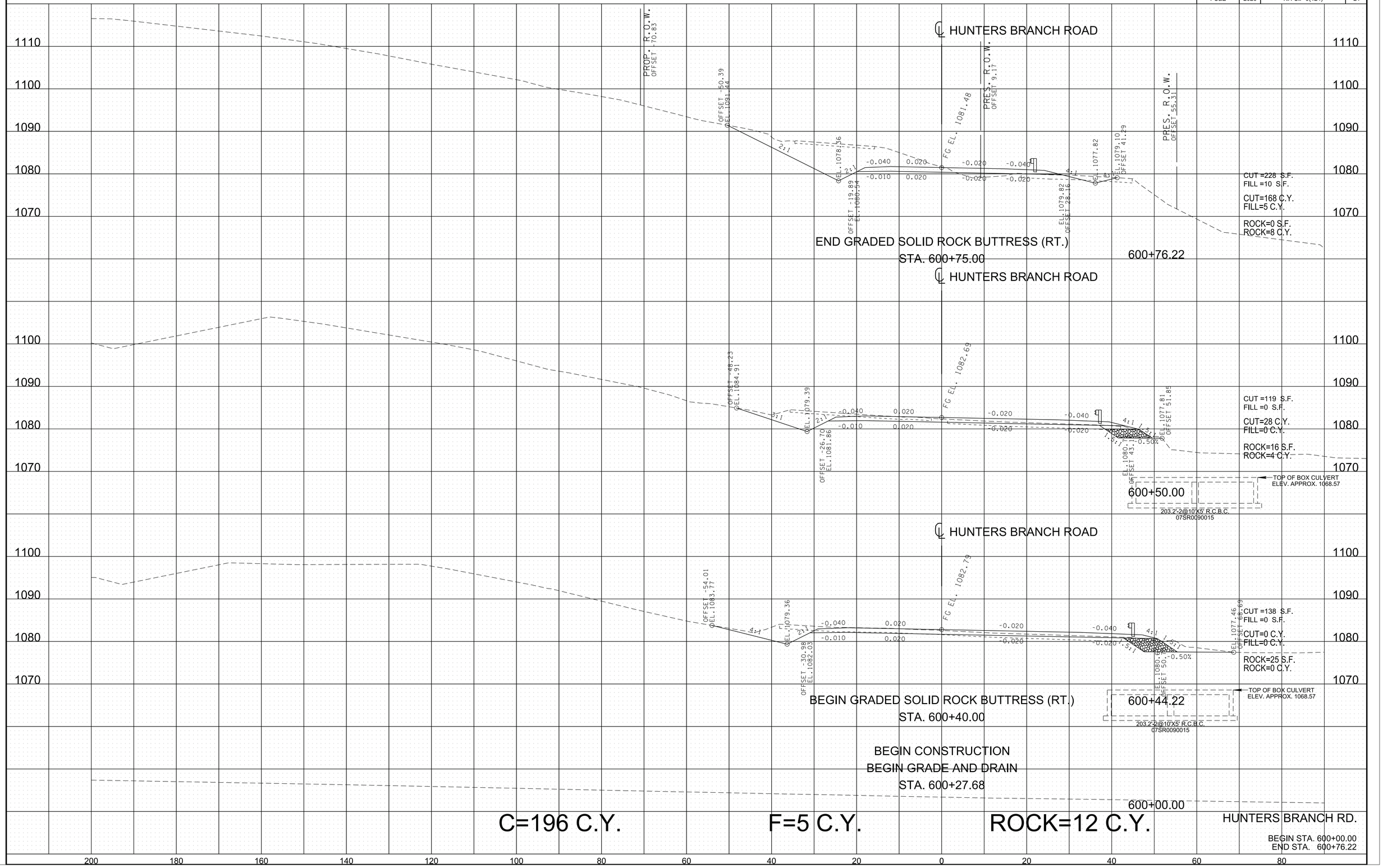
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	19
PS&E	2026	NH-SIP-9(124)	20



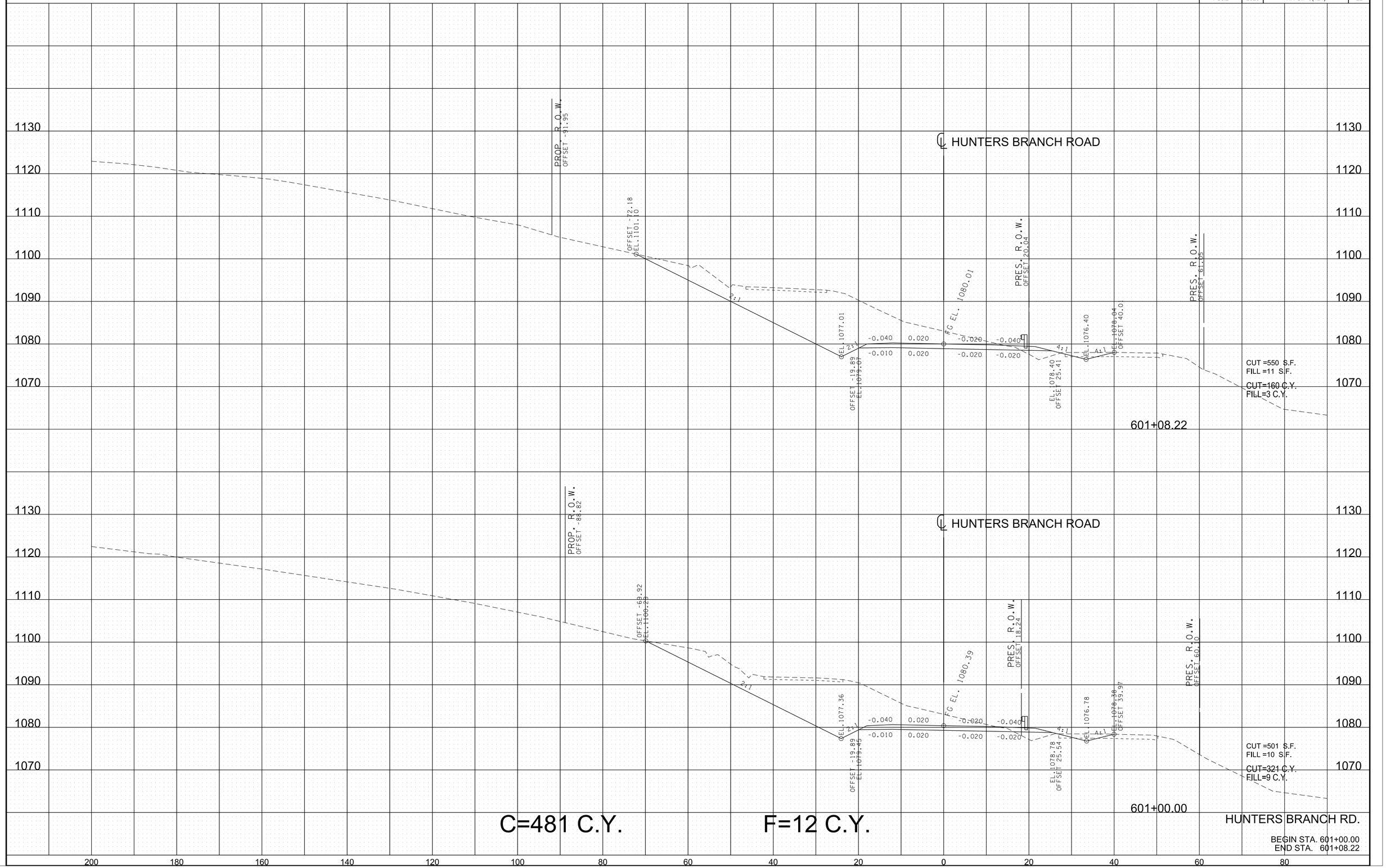
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	20
PS&E	2026	NH-SIP-9(124)	21



5/29/2026 11:32:15 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	21
PS&E	2026	NH-SIP-9(124)	22

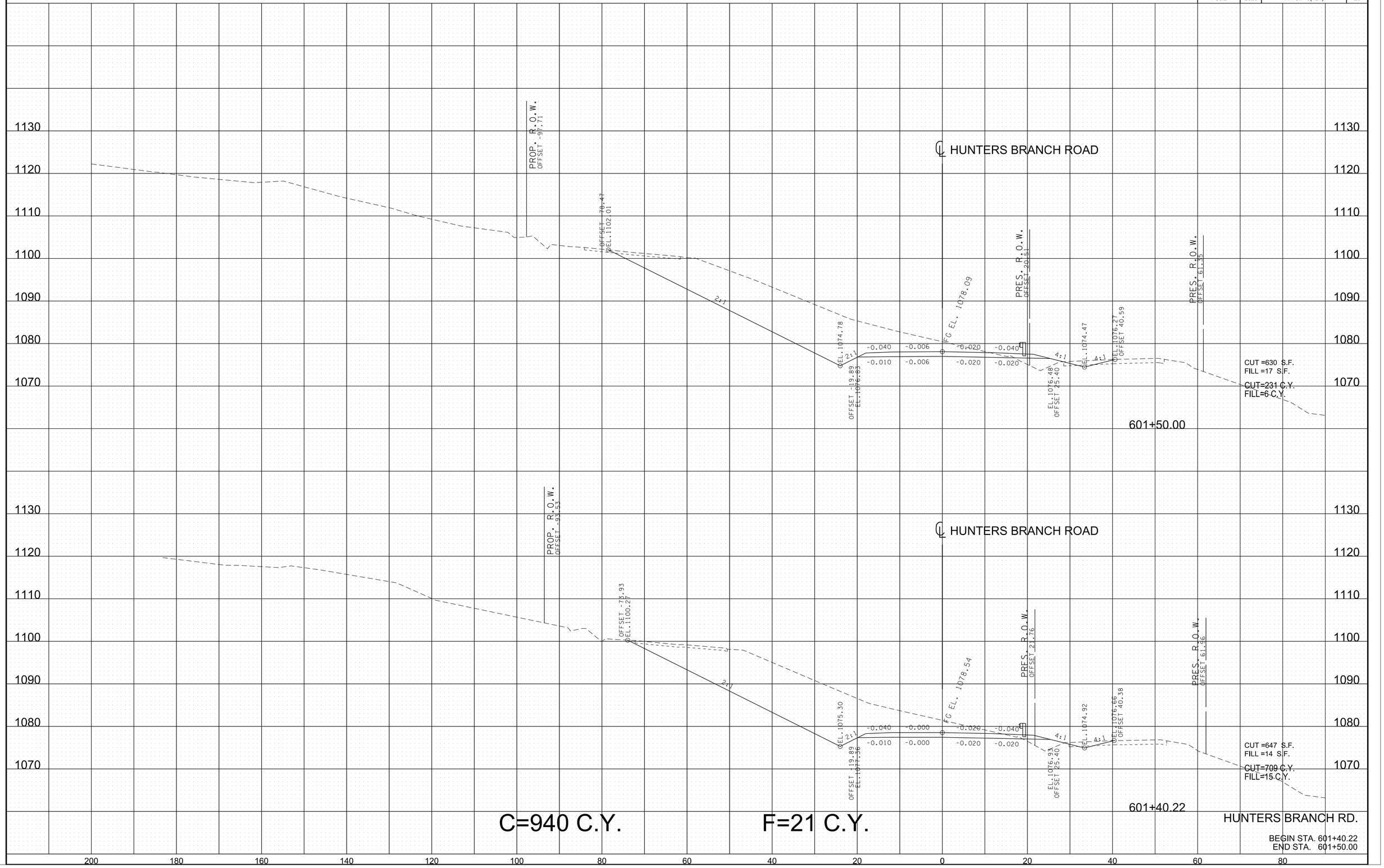


C=481 C.Y.

F=12 C.Y.

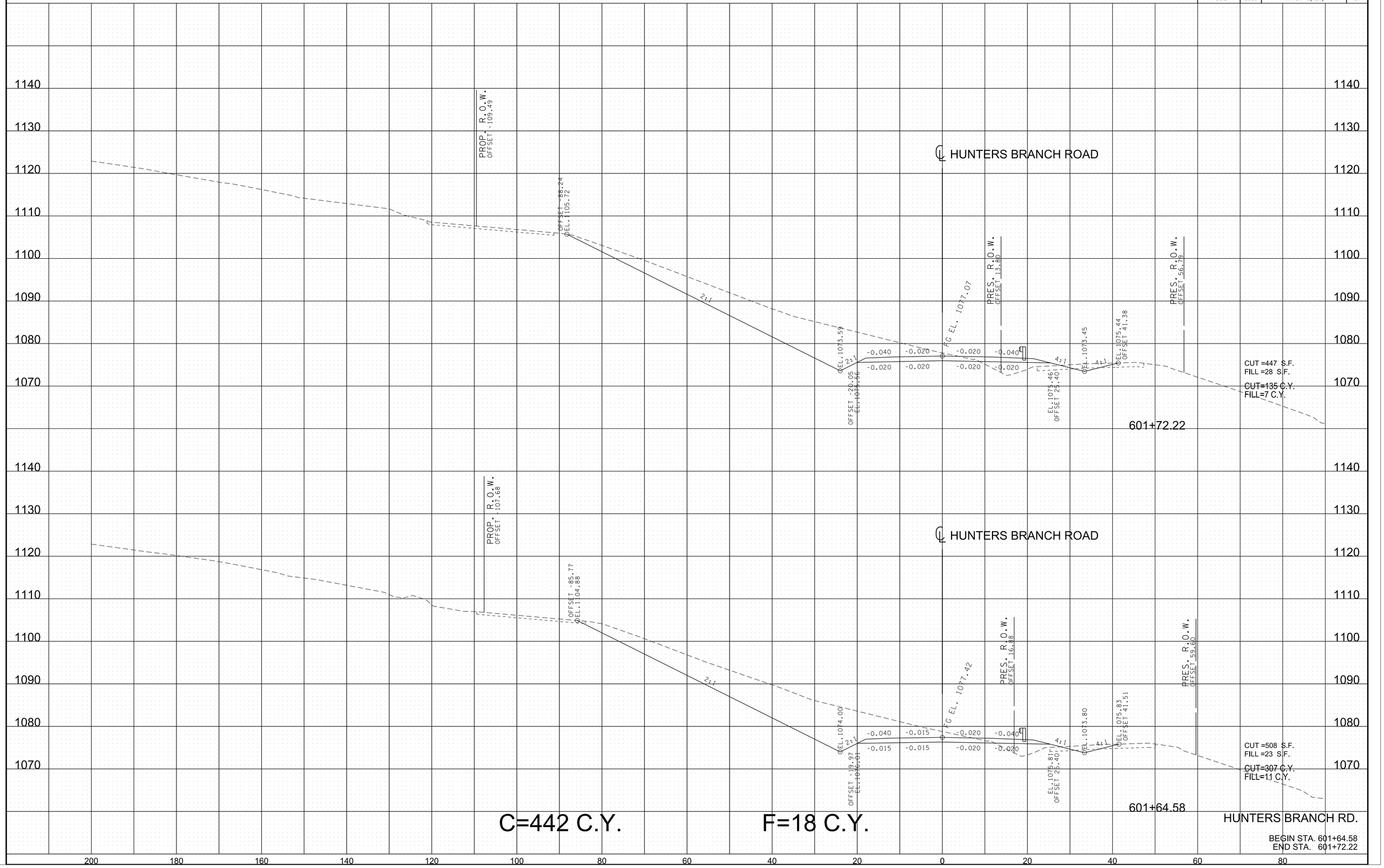
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	22
PS&E	2026	NH-SIP-9(124)	23



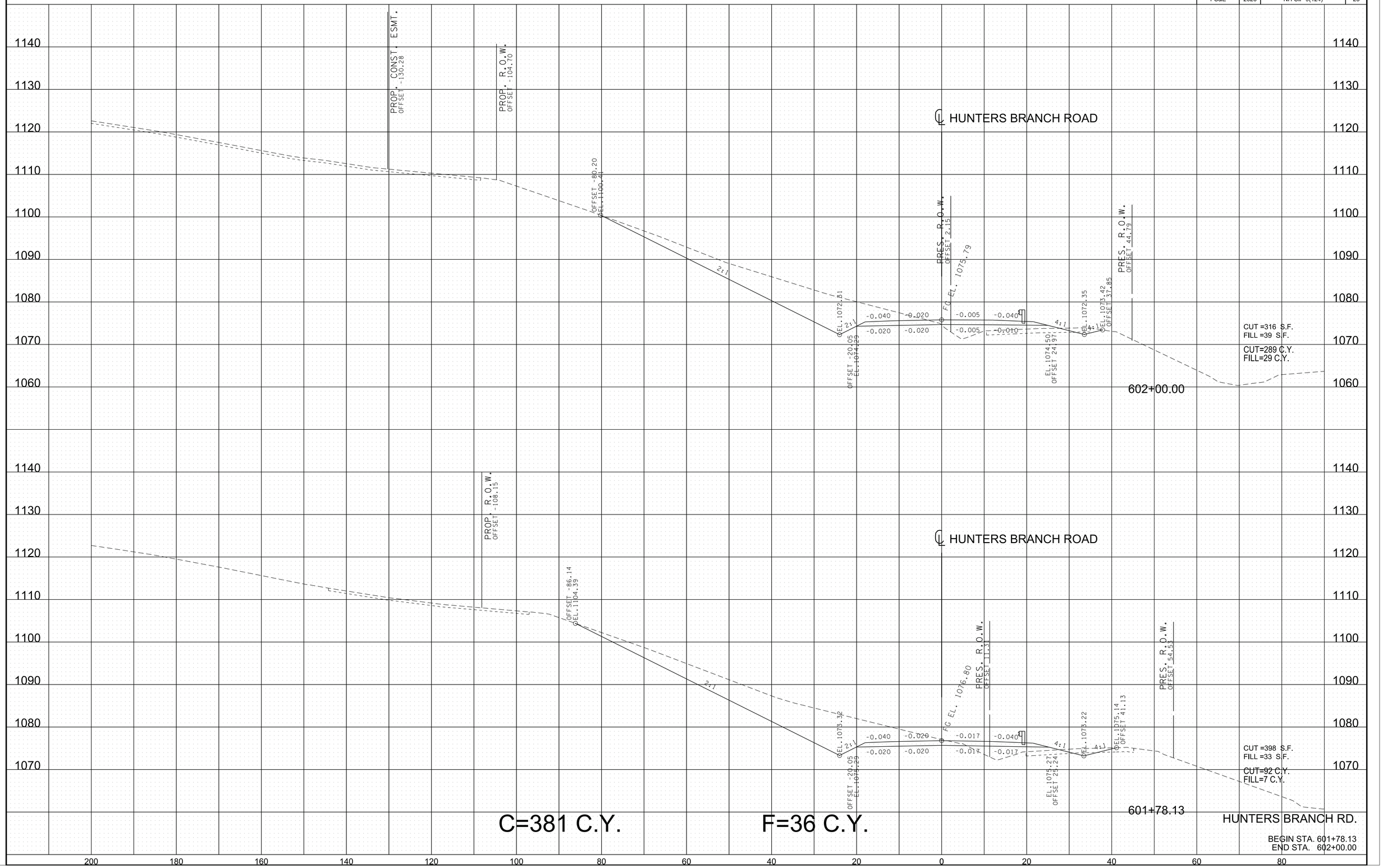
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	23
PS&E	2026	NH-SIP-9(124)	24



5/29/2026 11:32:19 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	24
PS&E	2026	NH-SIP-9(124)	25



5/29/2026 11:32:21 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	25
PS&E	2026	NH-SIP-9(124)	26

PROP. CONST. ESMT.
OFFSET -161.40

PROP. R.O.W.
OFFSET -99.05

OFFSET -53.62
EL. 1088.20

2:1

PRES. R.O.W.
OFFSET -12.60

℄ HUNTERS BRANCH ROAD

FG EL. 1073.71

OFFSET -14.38
EL. 1072.32

EL. 1070.45

-0.040
-0.020
-0.020
-0.020
-0.020
0.020
-0.040
-0.010
4:1

EL. 1072.77
OFFSET 16.60

EL. 1070.90
EL. 1071.39
OFFSET 26.11

PRES. R.O.W.
OFFSET 28.68

CUT =131 S.F.
FILL =22 S.F.

CUT=291 C.Y.
FILL=42 C.Y.

602+45.22

PROP. CONST. ESMT.
OFFSET -138.18

PROP. R.O.W.
OFFSET -102.96

OFFSET -78.24
EL. 1099.03

2:1

℄ HUNTERS BRANCH ROAD

PRES. R.O.W.
OFFSET -1.15

FG EL. 1075.39

OFFSET -20.05
EL. 1073.88

EL. 1071.91

-0.040
-0.020
-0.020
0.000
0.000
-0.040
-0.010
4:1

EL. 1074.17
OFFSET 23.54

EL. 1072.07
EL. 1072.86
OFFSET 35.08

PRES. R.O.W.
OFFSET 41.26

CUT =300 S.F.
FILL =40 S.F.

CUT=99 C.Y.
FILL=13 C.Y.

C=390 C.Y.

F=55 C.Y.

602+08.72

HUNTERS BRANCH RD.

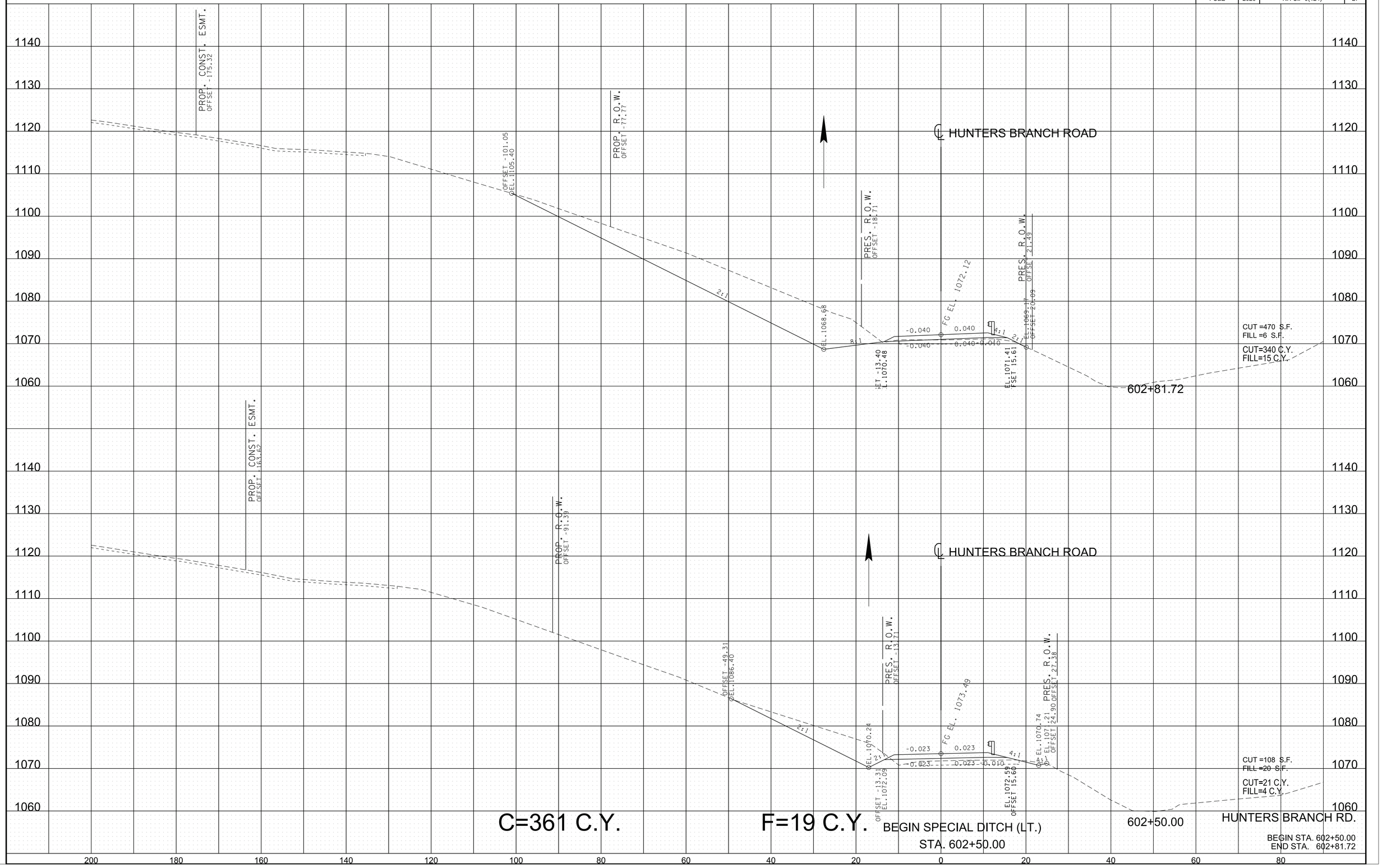
BEGIN STA. 602+08.72
END STA. 602+45.22

1140
1130
1120
1110
1100
1090
1080
1070
1060

200 180 160 140 120 100 80 60 40 20 0 20 40 60 80

5/29/2026 11:32:22 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	26
PS&E	2026	NH-SIP-9(124)	27



5/29/2026 11:32:24 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	27
PS&E	2026	NH-SIP-9(124)	28

5/29/2026 11:32:25 AM
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PROP. CONST. ESMT.
OFFSET -180.27

PROP. R.O.W.
OFFSET -67.38

OFFSET -74.72
EL 1096.94

PRES. R.O.W.
OFFSET -19.71

EL 1068.12

2:1

-0.030

0.030

FG EL. 1071.45

-0.030

0.030

-0.030

EL 1070.65
OFFSET 13.84

EL 1069.63
OFFSET 15.75

PRES. R.O.W.
OFFSET 20.29

ET -13.36
L.1069.94

CUT =194 S.F.
FILL =1 S.F.

CUT=225 C.Y.
FILL=2 C.Y.

HUNTERS BRANCH ROAD

603+00.00

HUNTERS BRANCH RD.

BEGIN STA. 603+00.00
END STA. 603+00.00

C=225 C.Y.

F=2 C.Y.

1140
1130
1120
1110
1100
1090
1080
1070
1060

200 180 160 140 120 100 80 60 40 20 0 20 40 60 80

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	28
PS&E	2026	NH-SIP-9(124)	29

5/29/2026 11:32:27 AM
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1140
1130
1120
1110
1100
1090
1080
1070
1060

HUNTERS BRANCH ROAD

OFFSET -88.34
EL. 1102.69

PROP. R.O.W.
OFFSET -52.67

PRES. R.O.W.
OFFSET -19.52

2:1

EL. 1067.02

OFFSET -13.36
EL. 1068.84

-0.020
-0.020

FG EL. 1070.23

0.020
0.020

EL. 1068.85
OFFSET 13.92

EL. 1067.59
OFFSET 11.69

PRES. R.O.W.
OFFSET 20.49

CUT =312 S.F.
FILL =0 S.F.

CUT=171 C.Y.
FILL=0 C.Y.

603+18.22

C=171 C.Y.

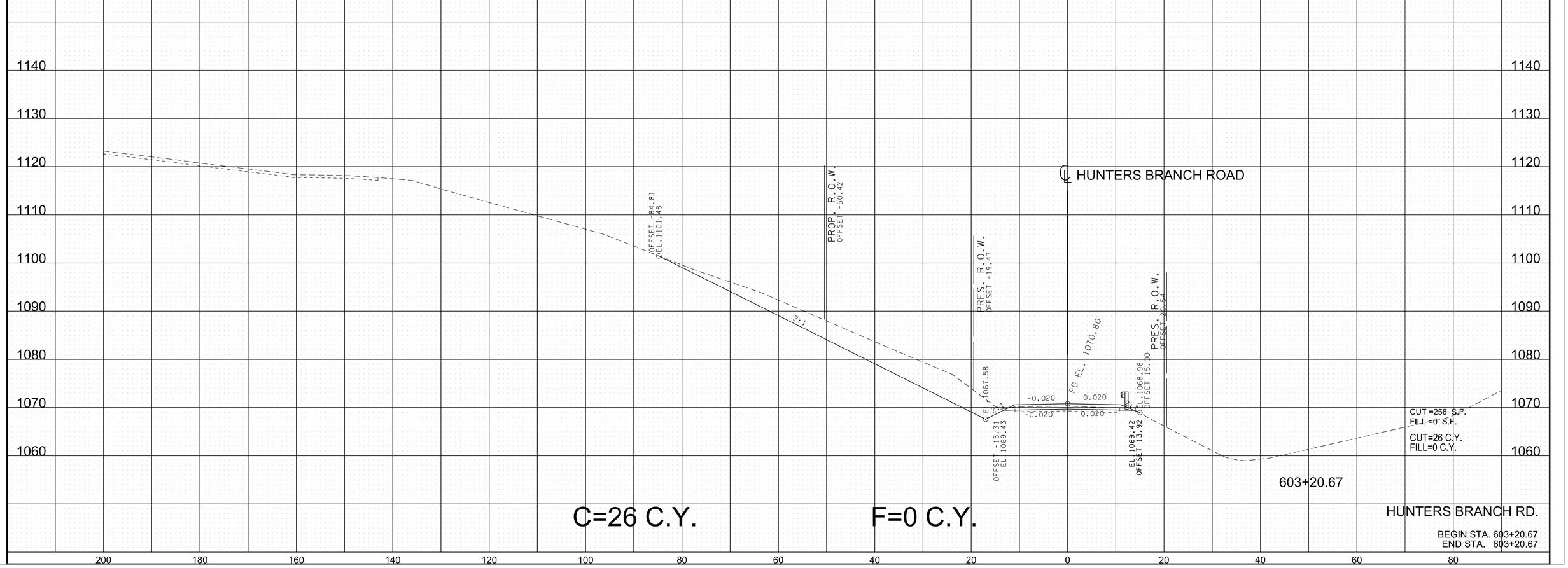
F=0 C.Y.

HUNTERS BRANCH RD.

BEGIN STA. 603+18.22
END STA. 603+18.22

200 180 160 140 120 100 80 60 40 20 0 20 40 60 80

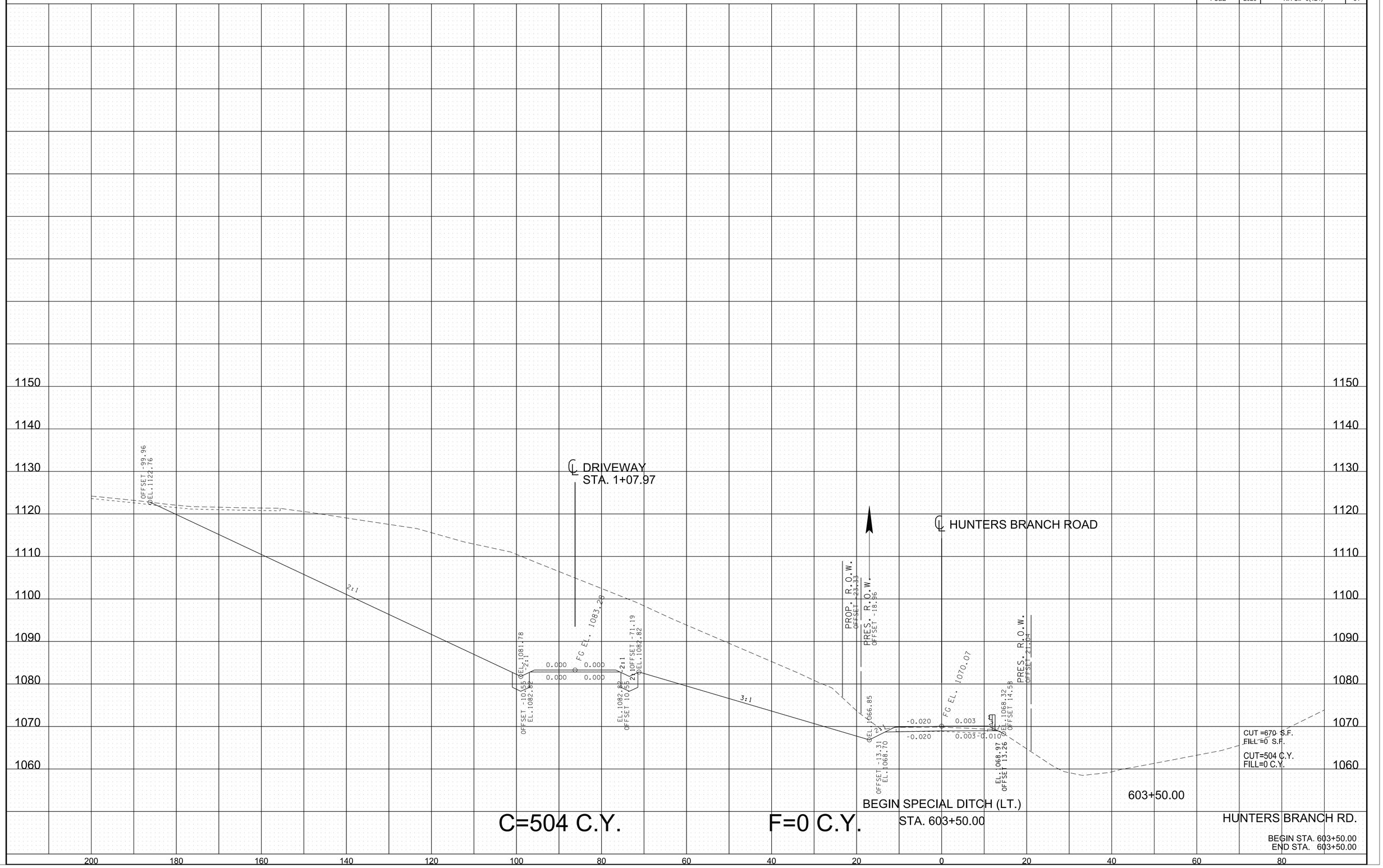
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	29
PS&E	2026	NH-SIP-9(124)	30



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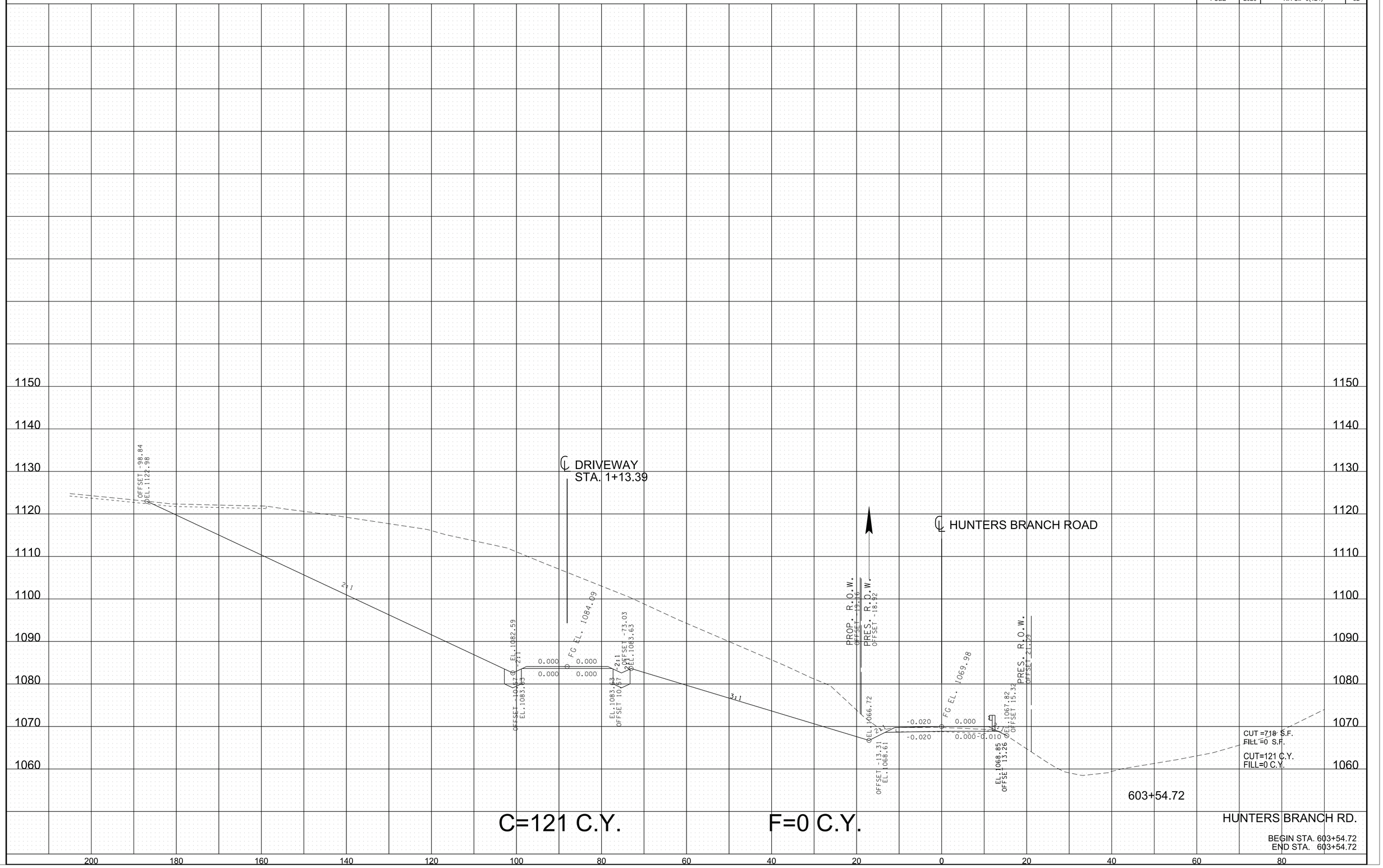
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	30
PS&E	2026	NH-SIP-9(124)	31

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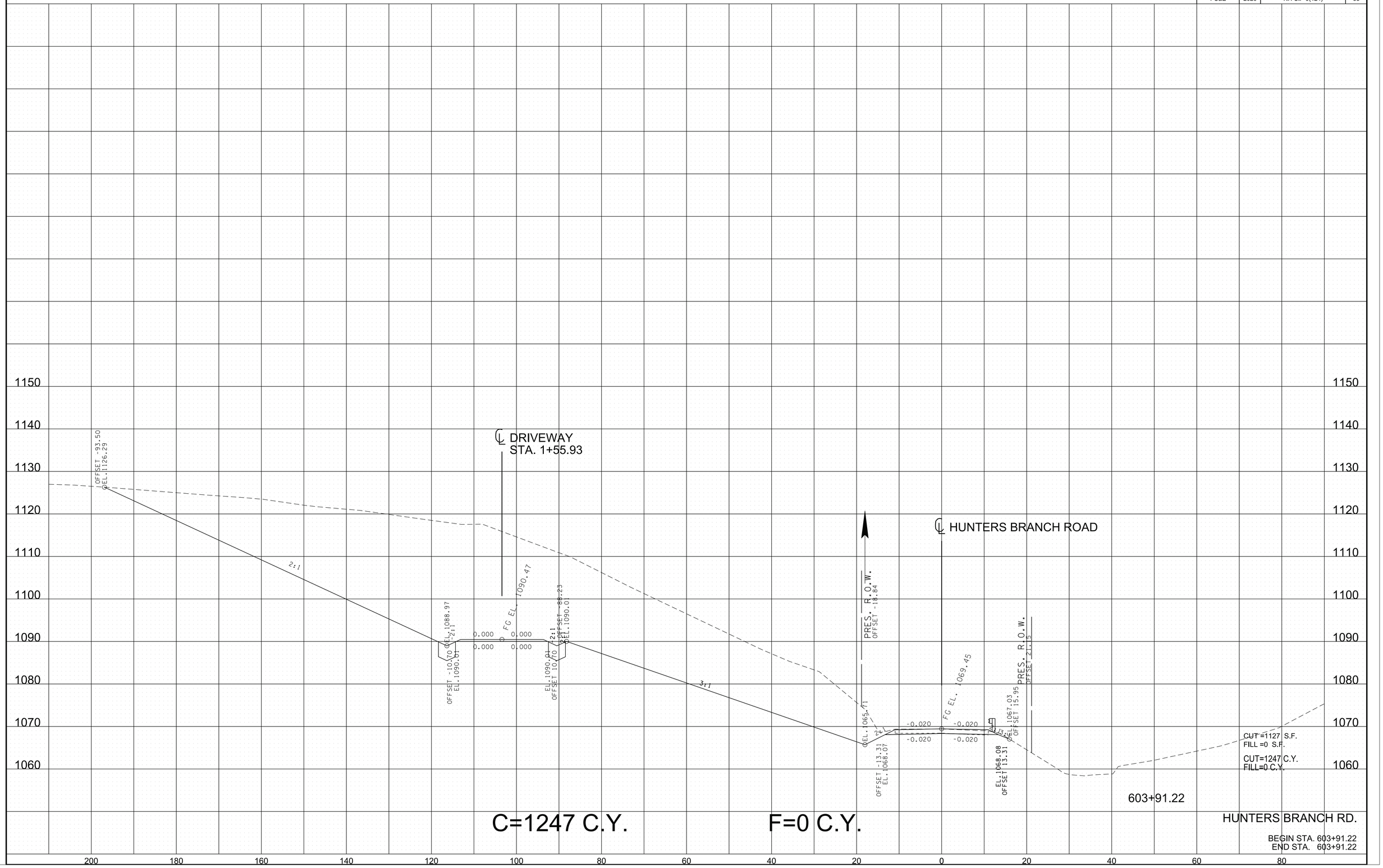


TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	31
PS&E	2026	NH-SIP-9(124)	32

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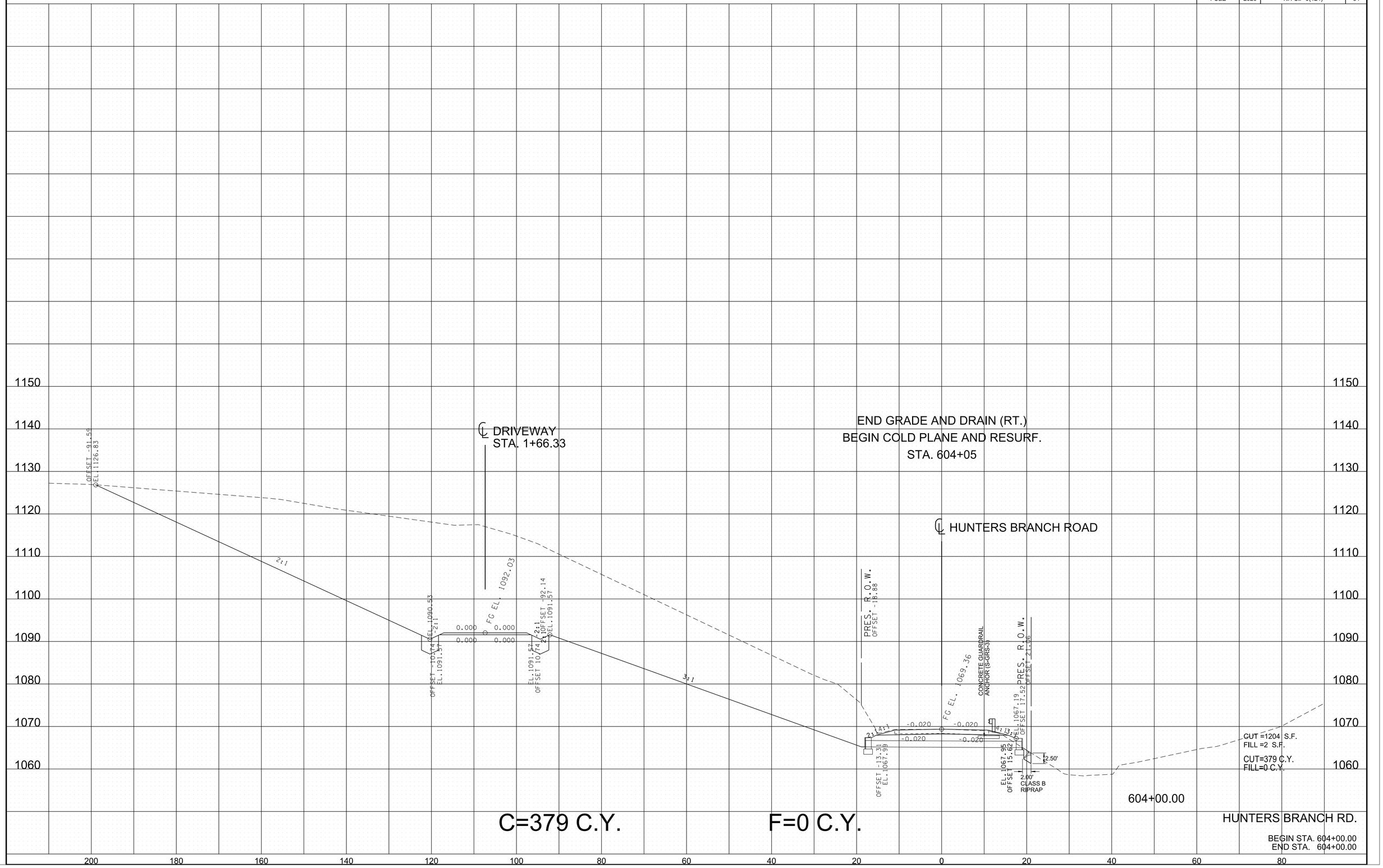
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	32
PS&E	2026	NH-SIP-9(124)	33



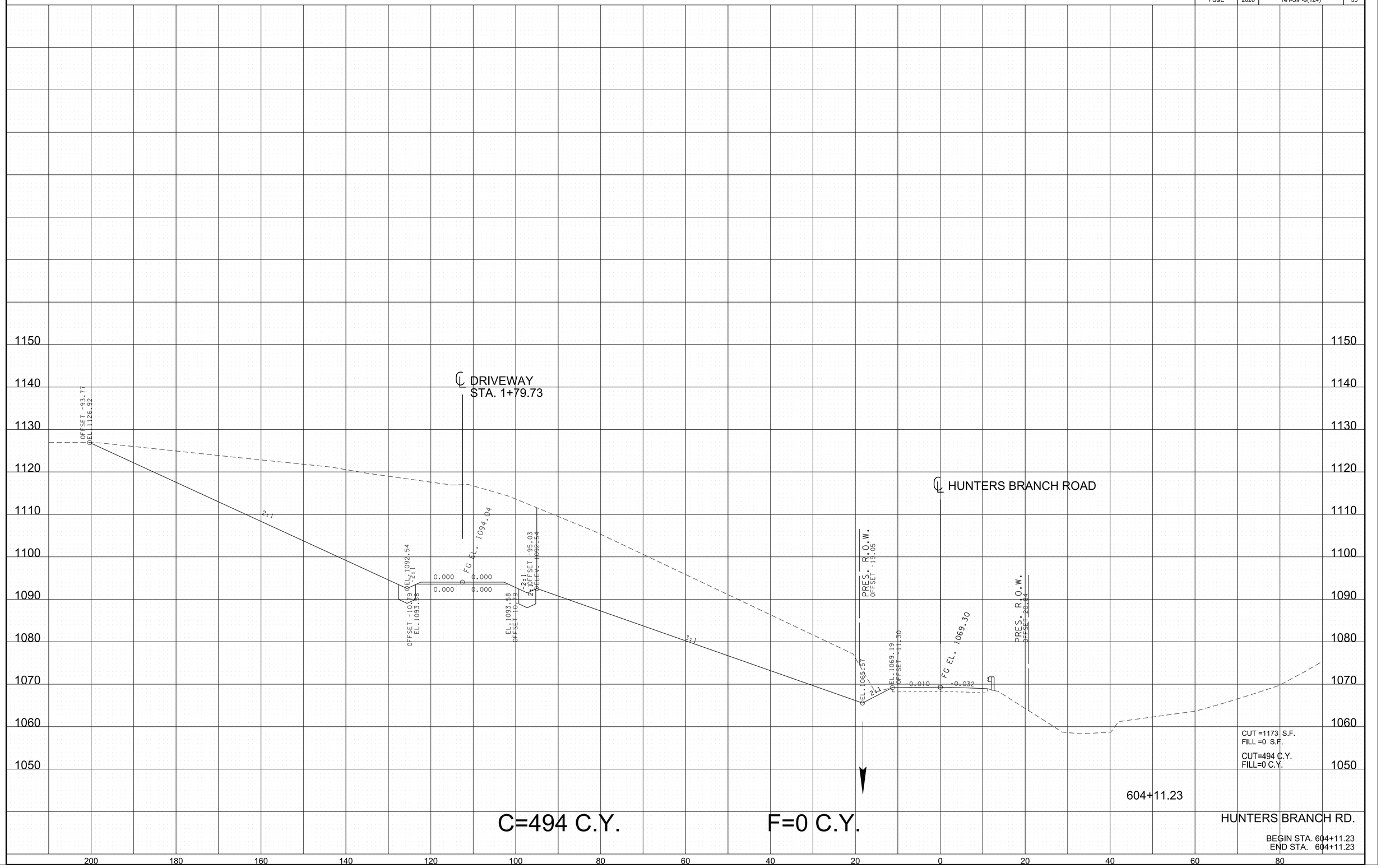
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	33
PS&E	2026	NH-SIP-9(124)	34

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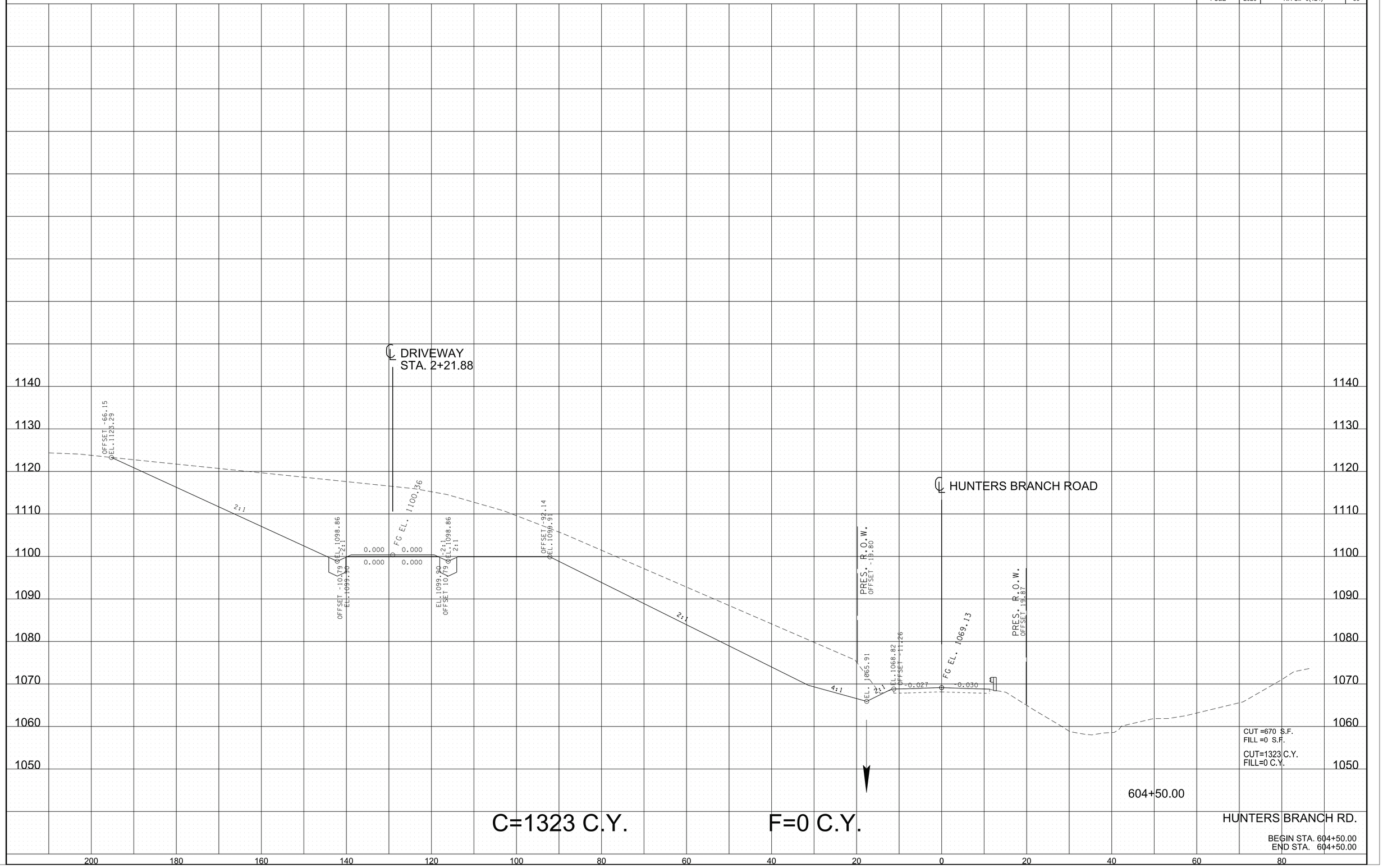


TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	34
PS&E	2026	NH-SIP-9(124)	35



5/29/2026 11:32:35 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	35
PS&E	2026	NH-SIP-9(124)	36



5/29/2026 11:32:36 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	36
PS&E	2026	NH-SIP-9(124)	37

DRIVEWAY
STA. 2+49.08

TIE PROP. GUARDRAIL TO EXIST. GUARDRAIL (RT.)
STA. 604+97.98

HUNTERS BRANCH ROAD

OFFSET -53.17
EL.1120.68

2:1

OFFSET -11
EL.1103.38

EL.1102.94
2:1

0.000
0.000

FG EL. 1104.44

0.000
0.000

EL.1102.94
2:1

EL.1103.98
OFFSET 11

OFFSET -101.05
EL.1103.98

2:1

PRES. R.O.W.
OFFSET 20.28

PRES. R.O.W.
OFFSET 19.25

EL. 1066.26

4:1

2:1

10:1

EL. 1068.54
OFFSET -11.37

-0.044

FG EL. 1069.04

0.020

4:1

CUT =819 S.F.
FILL =1 S.F.

CUT=689 C.Y.
FILL=0 C.Y.

604+74.97

C=689 C.Y.

F=0 C.Y.

HUNTERS BRANCH RD.

BEGIN STA. 604+74.97
END STA. 604+74.97

1140
1130
1120
1110
1100
1090
1080
1070
1060
1050

200 180 160 140 120 100 80 60 40 20 0 20 40 60 80

5/29/2026 11:32:37 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	37
PS&E	2026	NH-SIP-9(124)	38

℄ DRIVEWAY
STA. 2+68.57

OFFSET -47.83
EL.1121.31

2:1

OFFSET -11.06
EL.1106.91

2:1

0.000 0.000
0.000 0.000

FG EL. 1107.37

EL.1106.81
OFFSET 11.06

2:1

EL.1105.87

2:1

EL.1109.85
OFFSET 22.25

℄ HUNTERS BRANCH ROAD

OFFSET -84.34
EL.1097.88

2:1

PRES. R.O.W.
OFFSET -19.59

EL.1066.78
OFFSET -13.17

8:1

-0.051

FG EL. 1068.12

0.058

6:1

PRES. R.O.W.
OFFSET 20.99

CUT =440 S.F.
FILL =0 S.F.

CUT=1147 C.Y.
FILL=1 C.Y.

605+50.00

END SPECIAL DITCH (LT.)
STA. 605+50.00

℄ DRIVEWAY
STA. 2+56.03

OFFSET -51.49
EL.1120.90

2:1

OFFSET -11.15
EL.1105.03

2:1

0.000 0.000
0.000 0.000

FG EL. 1105.49

EL.1105.03
OFFSET 11.15

2:1

EL.1103.99

2:1

OFFSET -105.68
EL.1105.03

2:1

℄ HUNTERS BRANCH ROAD

PRES. R.O.W.
OFFSET -19.86

EL.1066.25

10:1

EL.1068.19
OFFSET -11.18

-0.034

FG EL. 1068.57

0.022

6:1

PRES. R.O.W.
OFFSET 20.40

CUT =799 S.F.
FILL =1 S.F.

CUT=750 C.Y.
FILL=1 C.Y.

605+00.00

HUNTERS BRANCH RD.

BEGIN STA. 605+00.00
END STA 605+50.00

C=1897 C.Y.

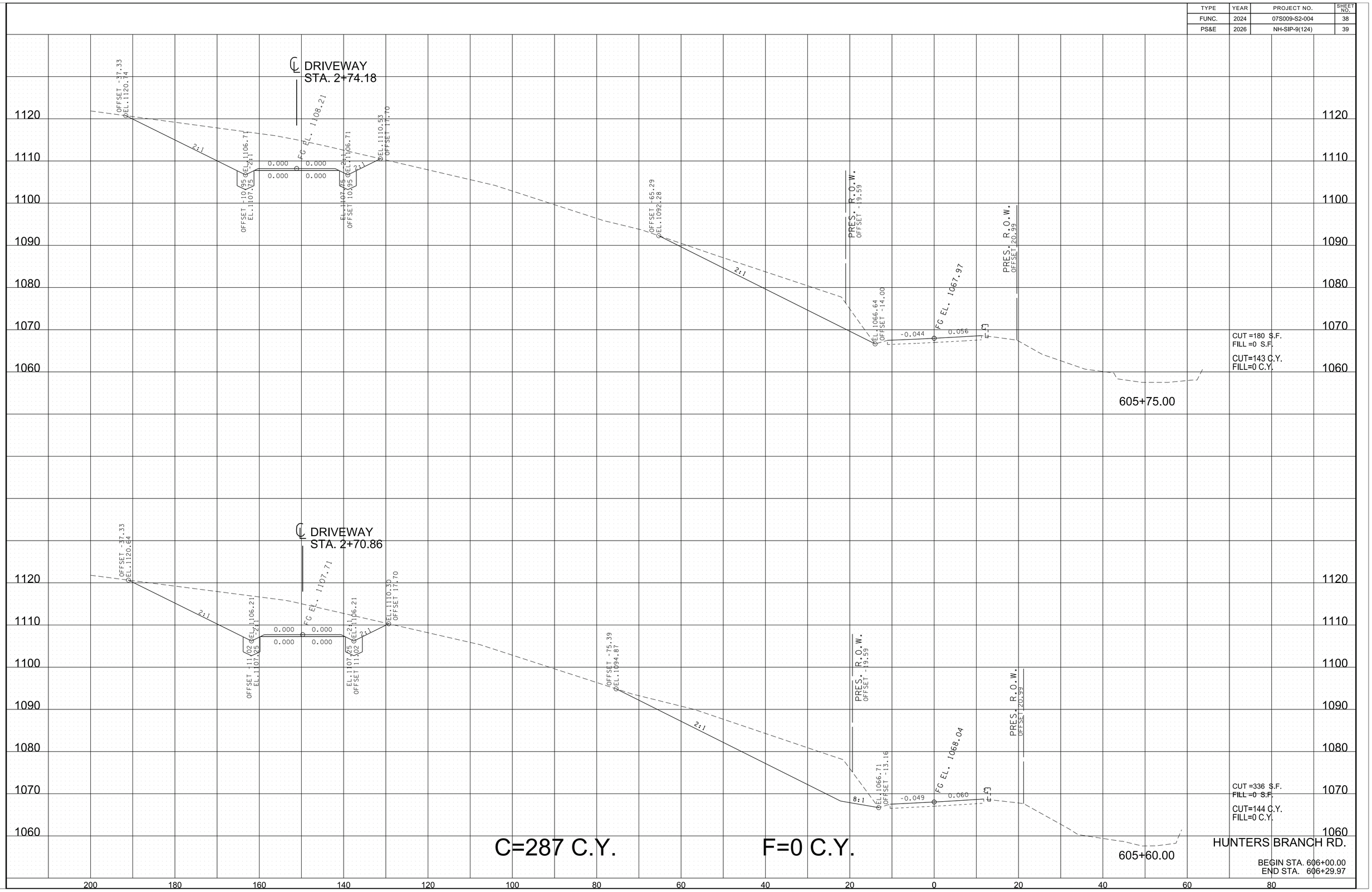
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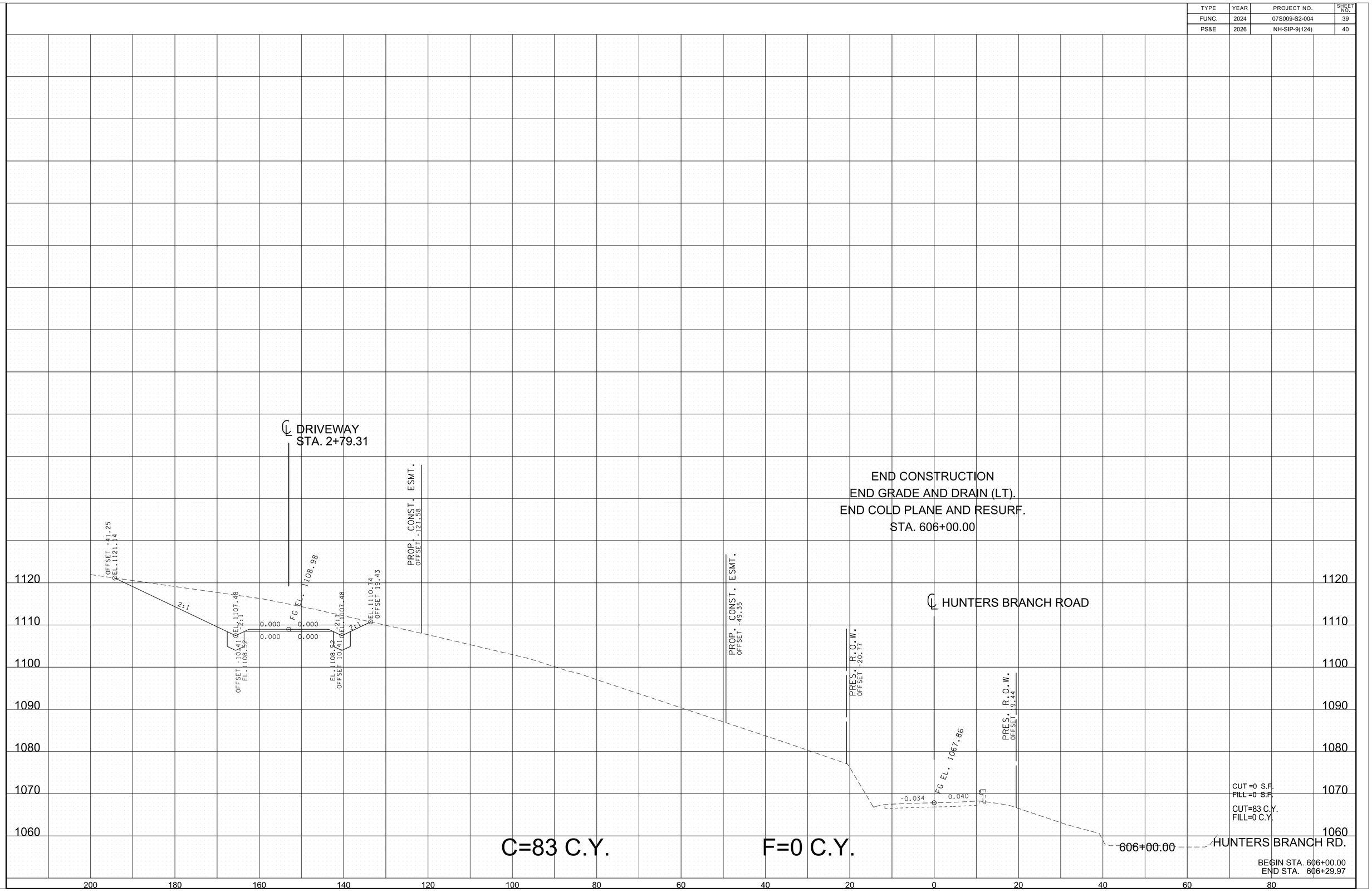
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	38
PS&E	2026	NH-SIP-9(124)	39



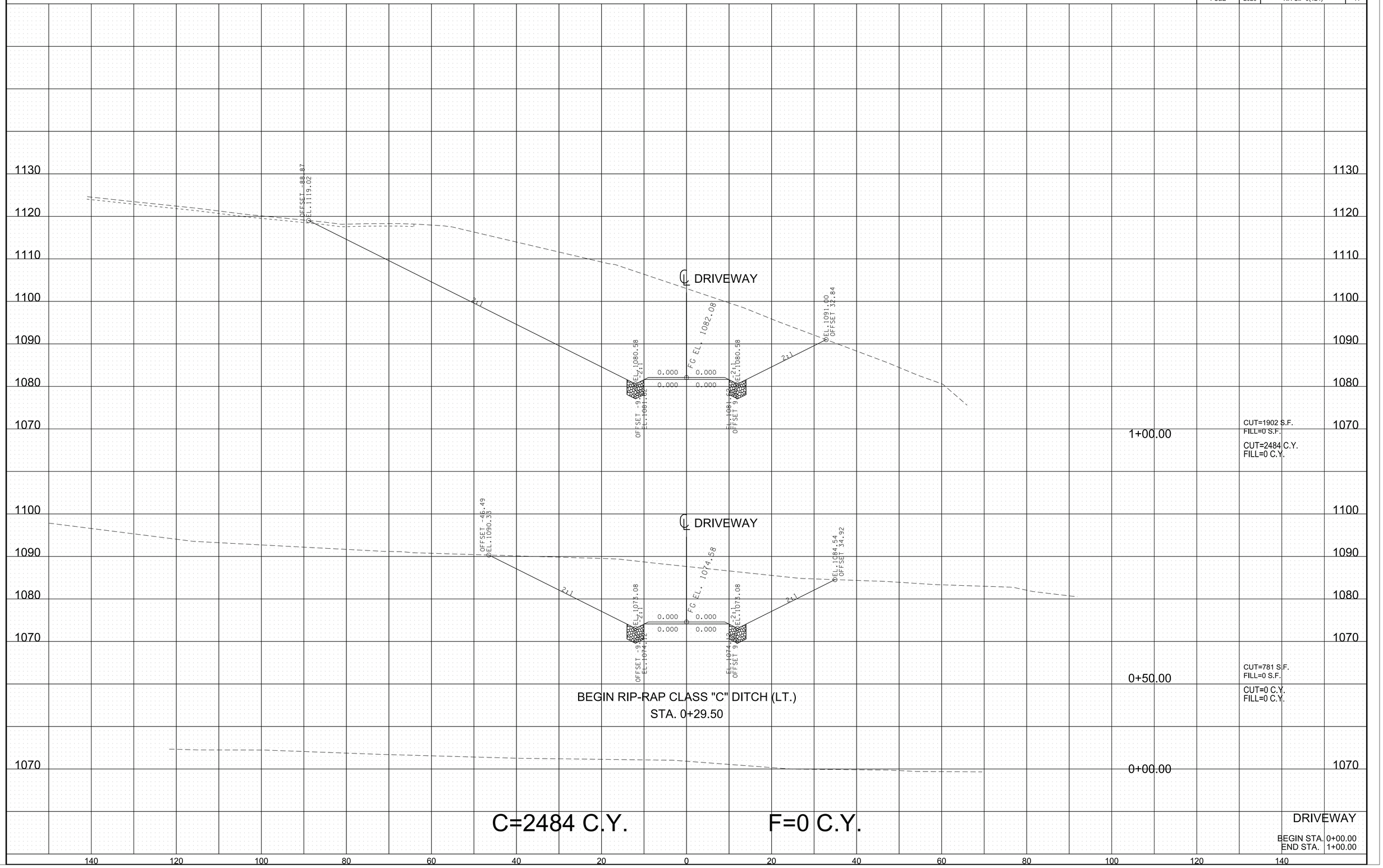
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	39
PS&E	2026	NH-SIP-9(124)	40



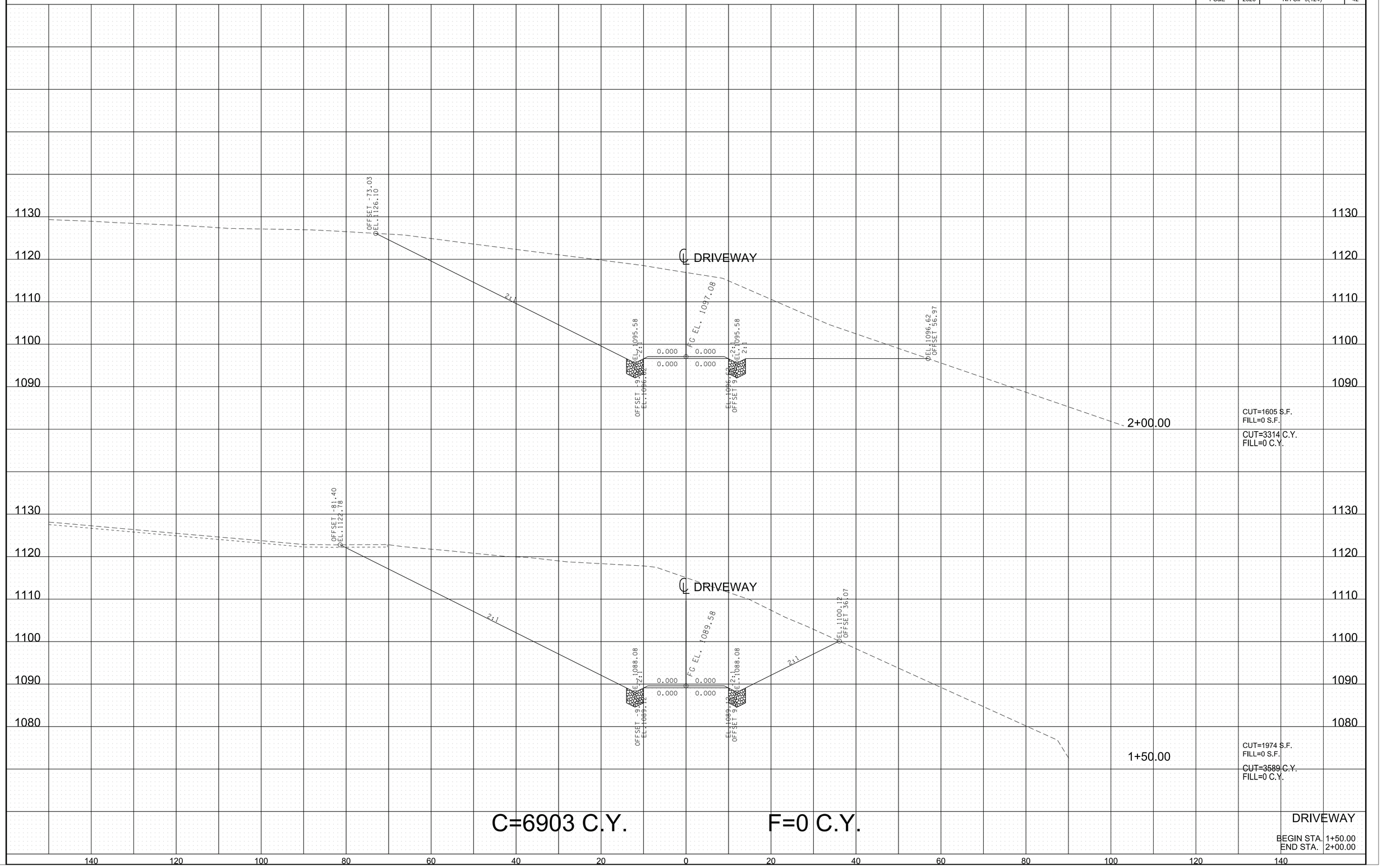
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	39
PS&E	2026	NH-SIP-9(124)	41



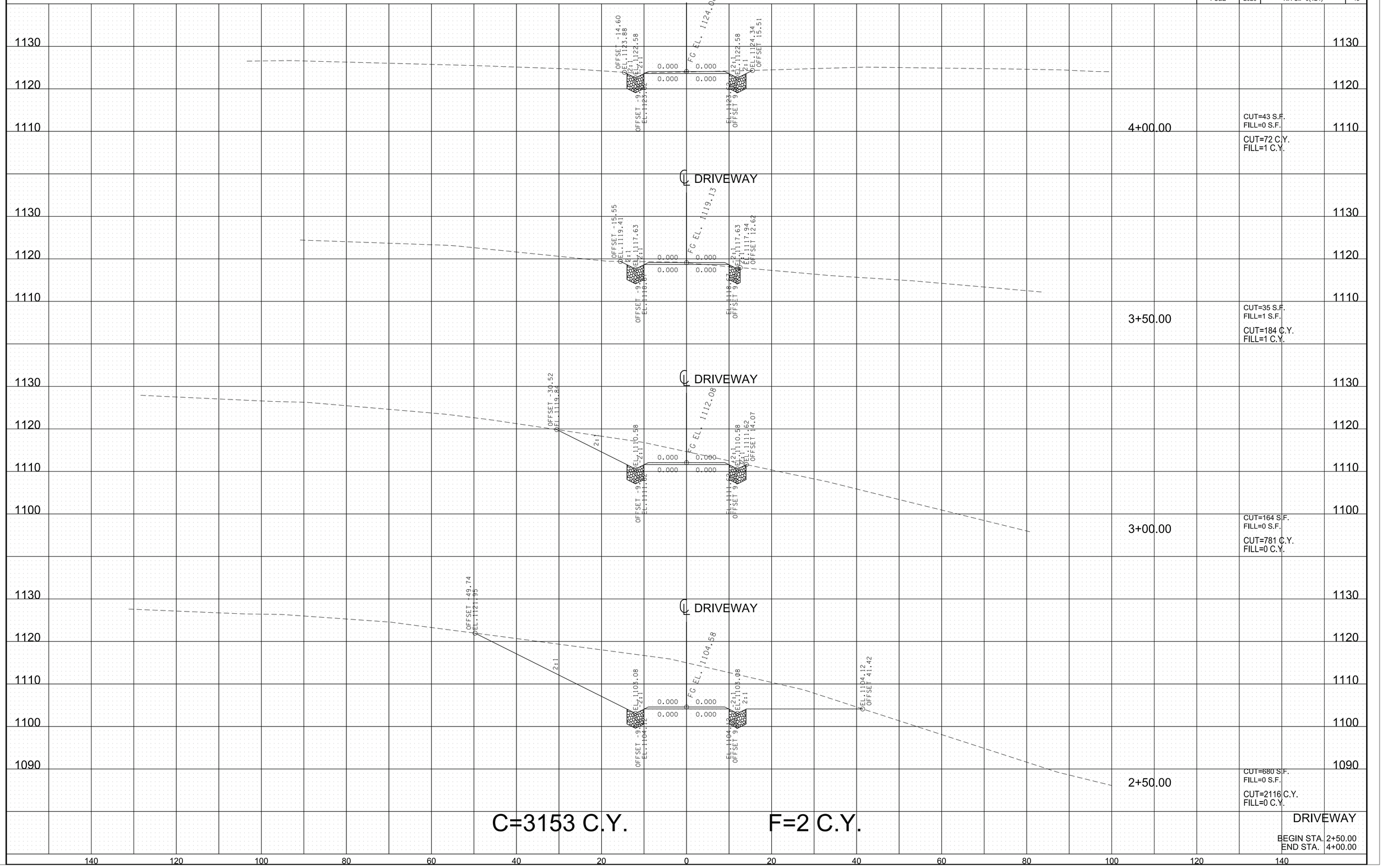
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	40
PS&E	2026	NH-SIP-9(124)	42



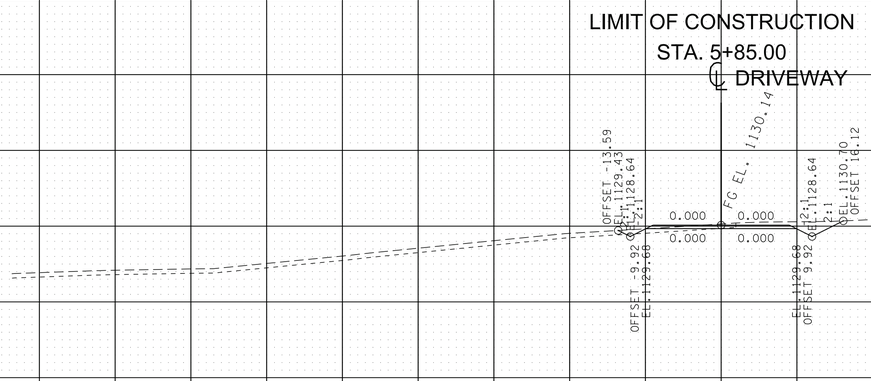
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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	41
PS&E	2026	NH-SIP-9(124)	43



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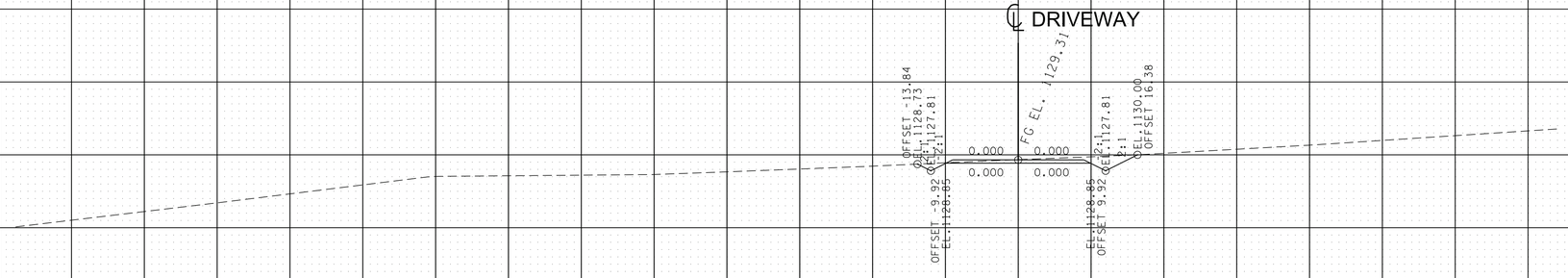
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	42
PS&E	2026	NH-SIP-9(124)	44



6+00.00

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FILL=0 S.F.

CUT=19 C.Y.
FILL=0 C.Y.



5+50.00

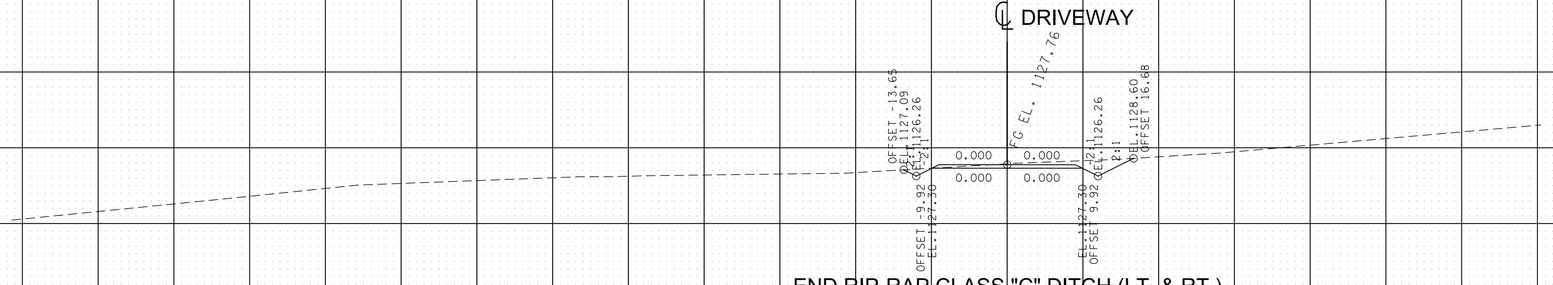
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CUT=36 C.Y.
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5+00.00

CUT=19 S.F.
FILL=0 S.F.

CUT=37 C.Y.
FILL=0 C.Y.



4+50.00

CUT=21 S.F.
FILL=0 S.F.

CUT=59 C.Y.
FILL=0 C.Y.

END RIP-RAP CLASS "C" DITCH (LT. & RT.)

C=151 C.Y. STA. 4+42.00 F=0 C.Y.

DRIVEWAY

BEGIN STA. 4+50.00
END STA. 6+00.00

1130 1140 1120

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	T1
PS&E	2026	NH-SIP-9(124)	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 0.75 INCH AND NOT EXCEEDING 2 INCHES.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SEALED BY

ERIC KIM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
12781
STATE OF TENNESSEE

05/29/2026

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	07S009-S2-004	T2
PS&E	2026	NH-SIP-9(124)	T2

TRAFFIC CONTROL NOTES

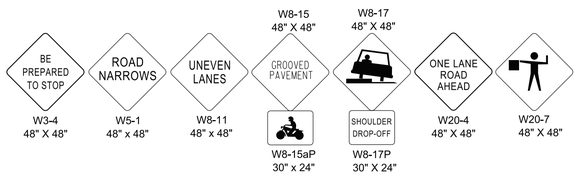
THE CONSTRUCTION SIGNING PLANS ARE TO SERVE AS A GUIDE ONLY. OTHER SIGNS MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION.

THIS TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."

ALL CONSTRUCTION SIGNS ON THE PROJECT SHALL BE COVERED WHEN WORK WILL NOT BE AFFECTING TRAFFIC. COST OF COVERING/UNCOVERING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COST SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO. 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.

THE CONTRACTOR IS TO MAINTAIN ACCESS TO ALL LOCAL PROPERTY OWNERS.

ALL TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY TDOT MANAGER.



SIGNS SHOWN ABOVE ARE TO BE USED WHEN CONSTRUCTION OPERATIONS WARRANT. TO BE USED AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	SIGN (CONSTRUCTION)
	TEMPORARY BARRICADE (TYPE III)
	TRAFFIC FLOW
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL (WITH BARRIER RAIL DELINEATORS)

NOTE:

DETOUR SIGNS WILL REMAIN THROUGHOUT REMAINDER PHASES OF TRAFFIC CONTROL.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SIGNAGE ALONG THE DETOUR ROUTE FOR THE DURATION OF THE PROJECT.

TRAFFIC CONTROL PHASING NOTES

(BASED ON STD. DWG. NOS. T-WZ-10 & T-WZ-18)

PHASE 1

(1) INSTALL TEMPORARY SIGNS AND TRAFFIC CONTROL DEVICES. CONSTRUCTION ON HUNTERS BRANCH ROAD MAY REQUIRE FLAGGING OPERATIONS.
(2) MAINTAIN THE TRAFFIC ON S.R. 9, HUNTERS BRANCH ROAD, AND DRIVEWAY ACCESS FOR TRACT 9.
(3) INSTALL DETOUR SIGNS.
(4) CLOSE HUNTERS BRANCH ROAD AND DETOUR TRAFFIC.
(5) CONSTRUCT PROPOSED DRIVEWAY FOR TRACT 9 WHILE MAINTIANING EXISTING DRIVEWAY ACCESS.
(6) INSTALL CROSS DRAIN ON HUNTERS BRANCH ROAD.

PHASE 2

(1) CONTINUE HUNTERS BRANCH ROAD CLOSURE AND DETOUR.
(2) CLOSE EXISTING DRIVEWAY ON TRACT 9 AFTER PROPOSED DRIVEWAY IS COMPLETED.
(3) INSTALL TEMPORARY SIGNS AND TRAFFIC CONTROL DEVICES FOR SHOULDER CLOSURES ON S.R. 9.
(4) CONSTRUCT REALIGNMENT OF HUNTERS BRANCH ROAD AND GUARDRAIL.
(5) INSTALL SIGNAL POLES.

PHASE 3

(1) INSTALL FINAL PAVING AND PAVEMENT MARKINGS.
(2) REMOVE TEMPORARY SIGNS, DETOUR SIGNS, AND TRAFFIC CONTROL DEVICES.
(3) RESTORE TRAFFIC TO NORMAL OPERATIONS.

TABULATED TRAFFIC CONTROL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	PHASE I QUANTITY 07S009-F3-002	PHASE II QUANTITY 07S009-F3-002	PHASE III QUANTITY 07S009-F3-002	TOTAL QUANTITY
	712-01	TRAFFIC CONTROL	LS	1			1
	712-02.10	PORTABLE BARRIER RAIL (MASH TL-3)	L.F.	160	660		820
	712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH		4		4
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	14	15	50	79
	712-04.50	BARRIER RAIL DELINEATOR	EACH	8	37		45
(1)	712-06	SIGNS (CONSTRUCTION)	S.F.	906			906
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	60	84		144
(2)	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.		0.1	0.9	1

NOTE:

CONTRACTOR SHALL MAINTAIN ALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS WITHIN THE PROJECTS LIMITS.

FOOTNOTES

(1) FOR PLACEMENT OF CONSTRUCTION SIGNS. SEE TRAFFIC CONTROL SHEETS.
(2) TO BE USED FOR TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS. INCLUDES 0.1 L.M. FOR TEMPORARY SHOULDER CLOSURE ON S.R. 9.

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 III	TOTAL NO. REQUIRED	ITEM NO. 712-06 S.F.	STANDARD DRAWING NO.	REMARKS
G20-2	END ROAD WORK	48"	X	24"	8		2	2	4	32.00	T-WZ-10 & -18	
MOD	HUNTER BRANCH ROAD	30"	X	24"	5	17			17	85.00		DETOUR - PHASE 1
M4-8P	DETOUR	24"	X	12"	2	14			14	28.00		DETOUR - PHASE 1
M4-8a	END DETOUR	24"	X	18"	3	2			2	6.00		DETOUR - PHASE 1
M5-1PR	ADVANCE TURN ARROW	21"	X	15"	2	1			1	2.19		DETOUR - PHASE 1
M6-1PL	DIRECTIONAL ARROW	21"	X	15"	2	2			2	4.38		DETOUR - PHASE 1
M6-1PR	DIRECTIONAL ARROW	21"	X	15"	2	7			7	15.31		DETOUR - PHASE 1
M6-3	STRAIGHT ARROW	21"	X	15"	2	4			4	8.75		DETOUR - PHASE 1
R11-2	ROAD CLOSED	48"	X	30"	10	2	3		5	50.00		DETOUR - PHASE 1
MOD	ROAD CLOSURE	60"	X	30"	13	3			3	37.50		CUSTOM; DETOUR PHASE 1
R11-3A	ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY	60"	X	30"	13	2			2	25.00		DETOUR - PHASE 1
W3-4	BE PREPARED TO STOP	48"	X	48"	16	2			2	32.00		TO BE USED WHEN CONST. OPS. WARRANT
W5-1	ROAD NARROWS	48"	X	48"	16	2			2	32.00		TO BE USED WHEN CONST. OPS. WARRANT
W8-11	UNEVEN LANES	48"	X	48"	16	2			2	32.00		TO BE USED WHEN CONST. OPS. WARRANT
W8-15	GROOVED PAVEMENT	48"	X	48"	16	2			2	32.00		TO BE USED WHEN CONST. OPS. WARRANT
W8-15aP	MOTORCYCLE (PLAQUE)	30"	X	24"	5	2			2	10.00		TO BE USED WHEN CONST. OPS. WARRANT
W8-17	SHOULDER DROP OFF (SYMBOL)	48"	X	48"	16	2			2	32.00		TO BE USED WHEN CONST. OPS. WARRANT
W8-17P	SHOULDER DROP OFF (PLAQUE)	30"	X	24"	5	2			2	10.00		TO BE USED WHEN CONST. OPS. WARRANT
W20-1	ROAD WORK 1 MILE	48"	X	48"	16	2	2	2	6	96.00	T-WZ-10 & -18	
W20-1	ROAD WORK 1/2 MILE	48"	X	48"	16	2	2	2	6	96.00	T-WZ-10 & -18	
W20-1	ROAD WORK 1000 FT	48"	X	48"	16	2		2	4	64.00	T-WZ-10	
W20-2	DETOUR AHEAD	48"	X	48"	16	3			3	48.00		DETOUR - PHASE 1
W20-4	ONE LANE ROAD AHEAD	48"	X	48"	16	2			2	32.00		TO BE USED WHEN CONST. OPS. WARRANT
W20-7	FLAGGER (SYMBOL)	48"	X	48"	16	2			2	32.00		TO BE USED WHEN CONST. OPS. WARRANT
W21-5b	RIGHT SHOULDER CLOSED AHEAD	48"	X	48"	16		2		2	32.00	T-WZ-18	
W21-5b	RIGHT SHOULDER CLOSED 1500 FT	48"	X	48"	16		2		2	32.00	T-WZ-18	
									TOTAL	906	S.F.	

SEALED BY

ERIC KIM
REGISTERED ENGINEER
AGRICULTURE & COMMERCE
127851
STATE OF TENNESSEE

05/29/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PHASING NOTES, LEGEND AND TABULATION

5/29/2026 11:33:24 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	NH-SIP-9(124)	T3

BEGIN PROJ. NO. 07S009-S2-004
STA. 102+97.00 (R.O.W.)
N 742880.0983
E 2515461.9640

END PROJ. NO. 07S009-S2-004
STA. 106+25.00 (R.O.W.)
N 743151.9868
E 2515645.4401

NH-SIP-9(124)
END PROJ. NO. 07S009-F3-002
STA. 108+20.00 (CONST.)
N 743313.6217
E 2515754.5146

100

NH-SIP-9(124)
BEGIN PROJ. NO. 07S009-F3-002
STA. 101+78.00 (CONST.)
N 742781.4607
E 2515395.4013

105

S.R. 9 STA. 104+70.00 =
HUNTERS BRANCH RD STA. 600+00.00
N 743023.5046
E 2515558.7376

110

STA. 100+00.00
N 742633.9134
E 2515295.8333

STA. 110+00.00
N 743462.8304
E 2515855.2038

END ROAD WORK
G20-2
48" X 24"

500'

S.R. 9

N 34° 00' 44" E

S.R. 9

1000'

1600'

2600'

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

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

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

S 55° 59' 16" E

36'

STR-1

STR-2

S 8° 40' 20" E

S 88° 23' 11" E

N 51° 54' 46" E

S 56° 47' 25" E

N 12° 14' 02" E

N 88° 27' 47" W

N 47° 45' 45" W

S 33° 40' 14" E

HUNTERS BRANCH RD

PBT 6+40.00
N 742930.1622
E 2516883.2189

STA. 606+90.00
N 742550.1184
E 2516003.7011

S 80° 54' 42" E

24'

605

5

ROAD CLOSED
R11-2
48" X 30"

A

A

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

ROAD CLOSED
R11-2
48" X 30"

A

A

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

SEE SHEET T6 FOR DETOUR DETAILS

WORK ZONE AREA

PHASE I

SEALED BY

ERIC KIM
REGISTERED ENGINEER
AGRICULTURE
No. 127951
STATE OF TENNESSEE

05/29/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 101+78.00 TO STA. 108+20.00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	NH-SIP-9(124)	T4

BEGIN PROJ. NO. 07S009-S2-004
STA. 102+97.00 (R.O.W.)
N 742880.0983
E 2515461.9640

END PROJ. NO. 07S009-S2-004
STA. 106+25.00 (R.O.W.)
N 743151.9868
E 2515645.4401

NH-SIP-9(124)
END PROJ. NO. 07S009-F3-002
STA. 108+20.00 (CONST.)
N 743313.6217
E 2515754.5146

100

NH-SIP-9(124)
BEGIN PROJ. NO. 07S009-F3-002
STA. 101+78.00 (CONST.)
N 742781.4607
E 2515395.4013

105

110

BEGIN COLD PLANE AND RESURF. STA. 103+00.00

END COLD PLANE AND RESURF. STA. 108+20.00

STA. 100+00.00
N 742633.9134
E 2515295.8333

S.R. 9 STA. 104+70.00 =
HUNTERS BRANCH RD STA. 600+00.00
N 743023.5046
E 2515558.7376

STA. 110+00.00
N 743462.8304
E 2515855.2038

STR-1

STR-2

END ROAD WORK
G20-2
48" X 24"

500'

S.R. 9

40' TYP.

150' MIN.

15:1 TAPER

350' = BUFFER

63' = L/3

80' TYP.

40' TYP.

N 34° 00' 44" E

6" PAINTED SOLID WHITE LINE
ITEM NO. 716-05.20

RIGHT SHOULDER CLOSED AHEAD
W21-5b
48" X 48"

RIGHT SHOULDER CLOSED 1500 FT
W21-5b
48" X 48"

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

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

1000'

1100'

2600'

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

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

RIGHT SHOULDER CLOSED 1500 FT
W21-5b
48" X 48"

RIGHT SHOULDER CLOSED AHEAD
W21-5b
48" X 48"

S 35° 39' 18" E

S 88° 40' 40" E

S 88° 29' 25" E

N 51° 54' 46" E

S 56° 47' 25" E

S 88° 24' 17" E

N 12° 11' 02" E

N 88° 27' 47" W

N 47° 54' W

HUNTERS BRANCH RD
S 33° 40' 14" E

S 80° 54' 42" E

STA. 606+90.00
N 742550.1184
E 2516003.7011

PBT 6+40.00
N 742930.1622
E 2515883.2189

24'

ROAD CLOSED
R11-2
48" X 30"

A

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

ROAD CLOSED
R11-2
48" X 30"

A

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

605

5

SEE SHEET T6 FOR DETOUR DETAILS

WORK ZONE AREA

PHASE II

SEALED BY

ERIC KIM
REGISTERED ENGINEER
AGRICULTURE
No. 127691
STATE OF TENNESSEE
05/29/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 101+78.00 TO STA. 108+20.00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	NH-SIP-9(124)	T5

BEGIN PROJ. NO. 07S009-S2-004
STA. 102+97.00 (R.O.W.)
N 742880.0983
E 2515461.9640

END PROJ. NO. 07S009-S2-004
STA. 106+25.00 (R.O.W.)
N 743151.9868
E 2515645.4401

NH-SIP-9(124)
END PROJ. NO. 07S009-F3-002
STA. 108+20.00 (CONST.)
N 743313.6217
E 2515754.5146

100

NH-SIP-9(124)
BEGIN PROJ. NO. 07S009-F3-002
STA. 101+78.00 (CONST.)
N 742781.4607
E 2515395.4013

105

110

605

STA. 100+00.00
N 742633.9134
E 2515295.8333

BEGIN COLD PLANE AND RESURF. STA. 103+00.00

S.R. 9 STA. 104+70.00 =
HUNTERS BRANCH RD STA. 600+00.00
N 743023.5046
E 2515558.7376

GIBSON LN 12' ASP.

STR-1

END COLD PLANE AND RESURF. STA. 108+20.00

STA. 110+00.00
N 743462.8304
E 2515855.2038

OLD JACKSBORO HWY

OLD JACKSBORO PIKE INLET

STR-2

END ROAD WORK
G20-2
48" X 24"

500'

S.R. 9
55' ASP

N 34° 00' 44" E

S 55° 59' 16" E

S 8° 40' 20" E

S 88° 23' 11" E

N 51° 54' 46" E

S 56° 47' 25" E

S 88° 24' 17" E

N 12° 11' 02" E

N 88° 27' 47" W

N 47° 41' 25" W

S 33° 40' 14" E

S 80° 54' 42" E

HUNTERS BRANCH RD

BEGIN COLD PLANE AND RESURF. STA. 604+05.00

PBT 6+40.00
N 742930.1622
E 2516863.2189

STA. 606+90.00
N 742550.1184
E 2516003.7011

1000'

1600'

2600'

ROAD WORK 1000 FT
ROAD WORK 1/2 MILE
ROAD WORK 1 MILE
W20-1
48" X 48"

SEE SHEET T6 FOR DETOUR DETAILS

PHASE III

SEALED BY

ERIC KIM
REGISTERED ENGINEER
AGRICULTURE & COMMERCE
127851
STATE OF TENNESSEE

05/29/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00006 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.101+78.00 TO STA.108+20.00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	T3
PS&E	2026	NH-SIP-9(124)	T6

NOTE:

CONTRACTOR SHALL MAINTAIN ALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS WITHIN THE PROJECTS LIMITS.

DETOUR SIGNS WILL REMAIN THROUGHOUT REMAINDER PHASES OF TRAFFIC CONTROL.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SIGNAGE ALONG THE DETOUR ROUTE FOR THE DURATION OF THE PROJECT.

NH-SIP-9(124)
BEGIN PROJ. NO. 07S009-F3-002
STA. 101+78.00 (CONST.)
N 742781.4607
E 2515395.4013

NH-SIP-9(124)
END PROJ. NO. 07S009-F3-002
STA. 108+20.00 (CONST.)
N 743313.6217
E 2515754.5146

ROAD CLOSED R11-2 48" X 30"
TYPE III BARRICADE ROAD CLOSURE w/ TYPE A WARNING LIGHTS

END DETOUR M4-8a 24" X 18"

DETOUR M4-8P 24" X 12"
HUNTERS BRANCH RD Street Name 30" X 24"
M6-1PR 21" X 15"

DETOUR M4-8P 24" X 12"
HHUNTERS BRANCH RD Street Name 30" X 24"
M5-1PR 21" X 15"

DETOUR M4-8P 24" X 12"
HUNTERS BRANCH RD Street Name 30" X 24"
M6-1PR 21" X 15"

DETOUR M4-8P 24" X 12"
HUNTERS BRANCH RD Street Name 30" X 24"
M6-1PL 21" X 15"

HUNTERS BRANCH RD Street Name 30" X 24"
DETOUR AHEAD W20-2 48" X 48"

HUNTERS BRANCH RD. CLOSED AT US-25W 1 MILE AHEAD
SPECIAL RD. CLOSURE 60" X 30"

25W

HUNTERS BRANCH RD. CLOSED AT US-25W 1 MILE AHEAD
SPECIAL RD. CLOSURE 60" X 30"

HUNTERS BRANCH RD Street Name 30" X 24"
DETOUR AHEAD W20-2 48" X 48"

DETOUR M4-8P 24" X 12"
HUNTERS BRANCH RD Street Name 30" X 24"
M6-3 21" X 15"

ROAD CLOSED R11-2 48" X 30"
TYPE III BARRICADE ROAD CLOSURE w/ TYPE A WARNING LIGHTS

ROAD CLOSED AHEAD LOCAL TRAFFIC ONLY R11-3A 60" X 30"
TYPE III BARRICADE w/ TYPE A WARNING LIGHTS

END DETOUR M4-8a 24" X 18"

DETOUR M4-8P 24" X 12"
HUNTERS BRANCH RD Street Name 30" X 24"
M6-1PR 21" X 15"

DETOUR M4-8P 24" X 12"
HUNTERS BRANCH RD Street Name 30" X 24"
M6-3 21" X 15"

DETOUR M4-8P 24" X 12"
HUNTERS BRANCH RD Street Name 30" X 24"
M6-3 21" X 15"

HUNTERS BRANCH RD. CLOSED AT US-25W 1 MILE AHEAD
SPECIAL RD. CLOSURE 60" X 30"

Street Name HUNTERS BRANCH RD 30" X 24"
W20-2 48" X 48" DETOUR AHEAD

RAILWAY
OLD JACKSBORO HIGHWAY
JACKSBORO PIKE
WEST CHESTNUT STREET
CHERRY STREET
SOUTH AVENUE
WEST ELM STREET
WEST HILL STREET
SOUTH 19TH STREET
COLLEGE HILL ROAD
HUNTERS BRANCH LANE
GROSS LANE
DEMORY ROAD
A STREET
MARSHALL DRIVE
BAXTER LANE
ROBIN LANE
SUMMERS ROAD
LAKESHORE DRIVE

SEALED BY

ERIC KIM
REGISTERED ENGINEER
AGRICULTURE
KIMMERER
127851
STATE OF TENNESSEE

05/29/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC DETOUR PLAN

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Hunters Branch Rd in LaFollette\00T6 - DETOUR.sht



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Lori Fiorentino

Digitally signed by Lori Fiorentino
Date: 2026.04.07 14:49:44 -04'00'

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

TENNESSEE DEPARTMENT OF TRANSPORTATION
MATERIALS & TESTS DIVISION- GEOTECHNICAL ENGINEERING SECTION
7345 REGION LN.
KNOXVILLE, TN 37914
LORI ANN FIORENTINO, P.E. NO. 113743

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

GEOTECHNICAL INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	GEOTECH-SIGN1
GEOTECHNICAL INDEX	G-1
GEOTECHNICAL NOTES & ESTIMATED QUANTITIES	G-2
GEOTECHNICAL BORING LAYOUT	G-3
GEOTECHNICAL BORING PROFILE	G-4
GEOTECHINCAL TYPICAL SECTIONS	G-5

YEAR	PROJECT NO.	SHEET NO.
2024	07S009-S2-004	GEOTECH-SIGN1
2025	07S009-S2-004	GEOTECH-SIGN1
2026	NH-SIP-9(124)	GEOTECH-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEETS

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2024	07S009-S2-004	G-1
PIH	2025	07S009-S2-004	G-1
PS&E	2026	NH-SIP-9(124)	G-1

GEOTECHNICAL INDEX

SHEET NAME **SHEET NO.**

SIGNATURE SHEETS.....GEOTECH-SIGN1
GEOTECHNICAL INDEX.....G-1
GEOTECHNICAL NOTES & ESTIMATED QUANTITIES.....G-2
GEOTECHNICAL BORING LAYOUT.....G-3
GEOTECHNICAL BORING PROFILE.....G-4
GEOTECHINCAL TYPICAL SECTIONS.....G-5

PS&E

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LORI ANN FIORENTINO
REGISTERED ENGINEER
NOTARY PUBLIC
COMM. NO. 123123
STATE OF TENNESSEE
Lori Ann Fiorentino
04/07/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL INDEX

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2024	07S009-S2-004	G-2
PIH	2025	07S009-S2-004	G-2
PS&E	2026	NH-SIP-9(124)	G-2

DEFINITION OF EARTHWORK TERMS

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

A. SOIL MATERIAL

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

B. SOLID ROCK MATERIAL

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

C. SOFT ROCK OR DEGRADABLE ROCK

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

D. TRANSITIONAL MATERIALS

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

ESTIMATED GEOTECH QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	125
(1)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	150

FOOTNOTES

(1) THIS ITEM TO BE USED BETWEEN OF STATIONS 600+40.00 TO 600+75.00 OR OTHERWISE AS DIRECTED BY ENGINEER FOR THE STABILIZATION OF SUBGRADE.

NOTES

GRADED SOLID ROCK PADS WILL BE REQUIRED:

* 600+40.00 TO 600+75.00

PS&E

SEALED BY

LORI ANN FIORENTINO
NOTARY PUBLIC
COMM. NO. 112729
COMM. NC
STATE OF TENNESSEE

Lori Ann Fiorentino

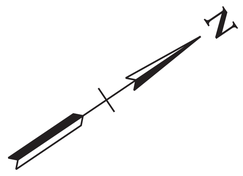
04/07/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

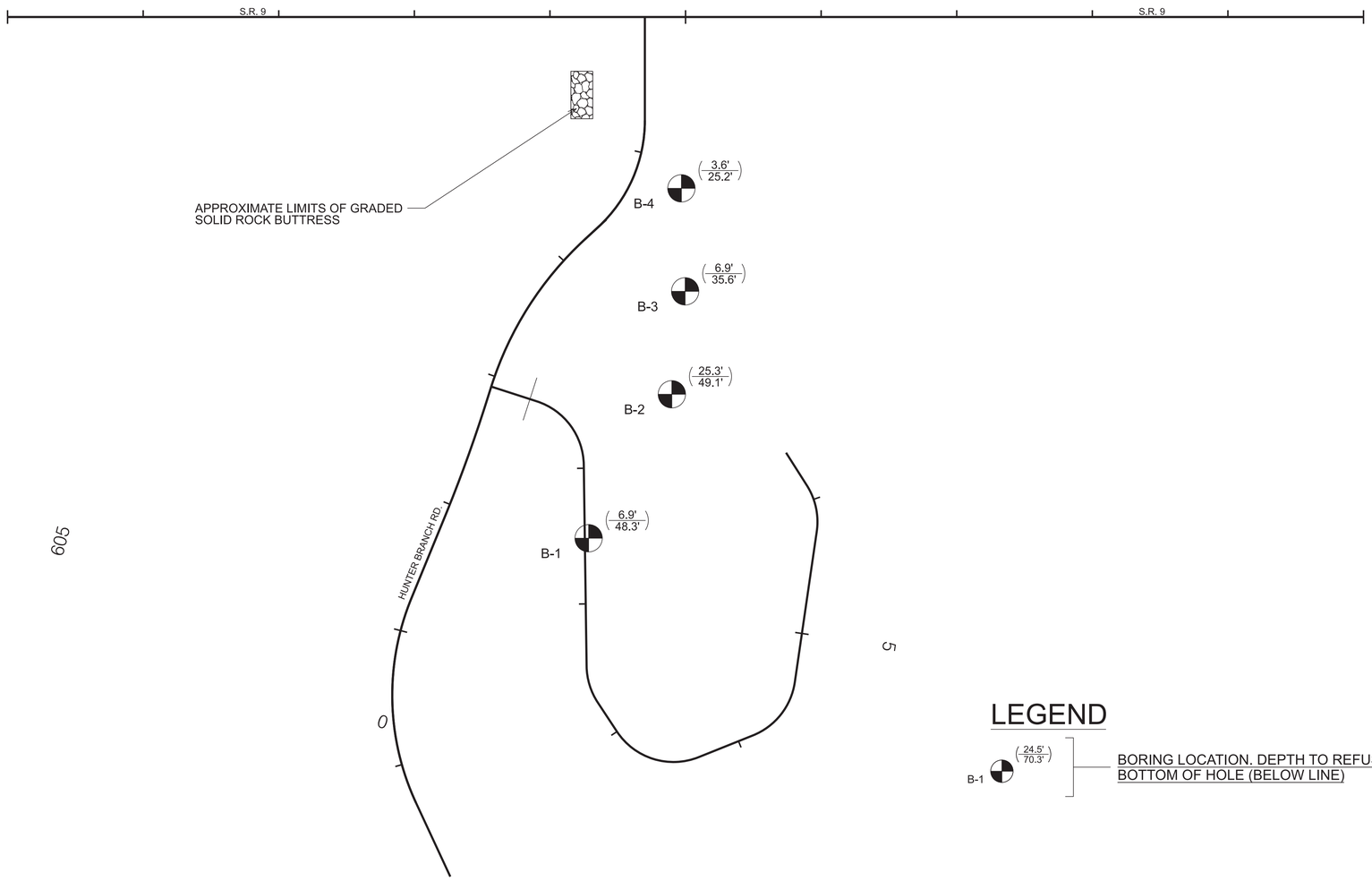
GEOTECHNICAL NOTES & ESTIMATED QUANTITIES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2024	07S009-S2-004	G-3
PIH	2025	07S009-S2-004	G-3
PS&E	2026	NH-SIP-9(124)	G-3



100 105 110



LEGEND

B-1 (24.5' / 70.3') — BORING LOCATION. DEPTH TO REFUSAL (ABOVE LINE), BOTTOM OF HOLE (BELOW LINE)

PS&E

SEALED BY

LORI ANN FIORENTINO — NOTARY PUBLIC — COMM. NO. 112178 — STATE OF TENNESSEE

Lori Ann Fiorentino

04/07/2026

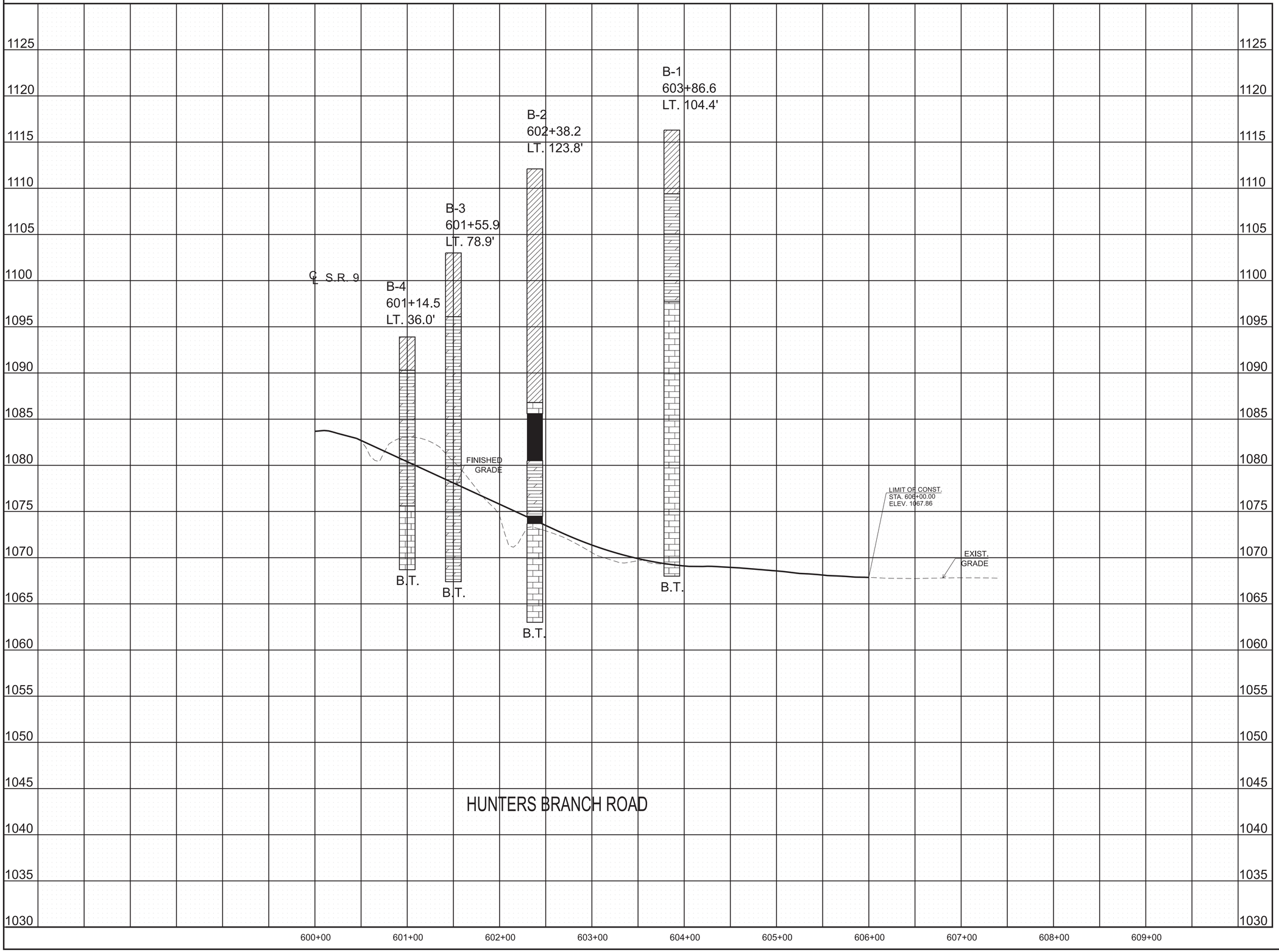
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING LAYOUT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2024	07S009-S2-004	G-4
PIH	2025	07S009-S2-004	G-4
PS&E	2026	NH-SIP-9(124)	G-4



LEGEND

- VOID
- CLAY (TYPE A MATERIAL)
- DOLOSTONE (TYPE B MATERIAL)
- LIMESTONE (TYPE B MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES AND EST. QTYS. SHEET.
B.T.= BORING TERMINATED

PS&E

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COMM. NO.
STATE OF TENNESSEE
04/07/2026

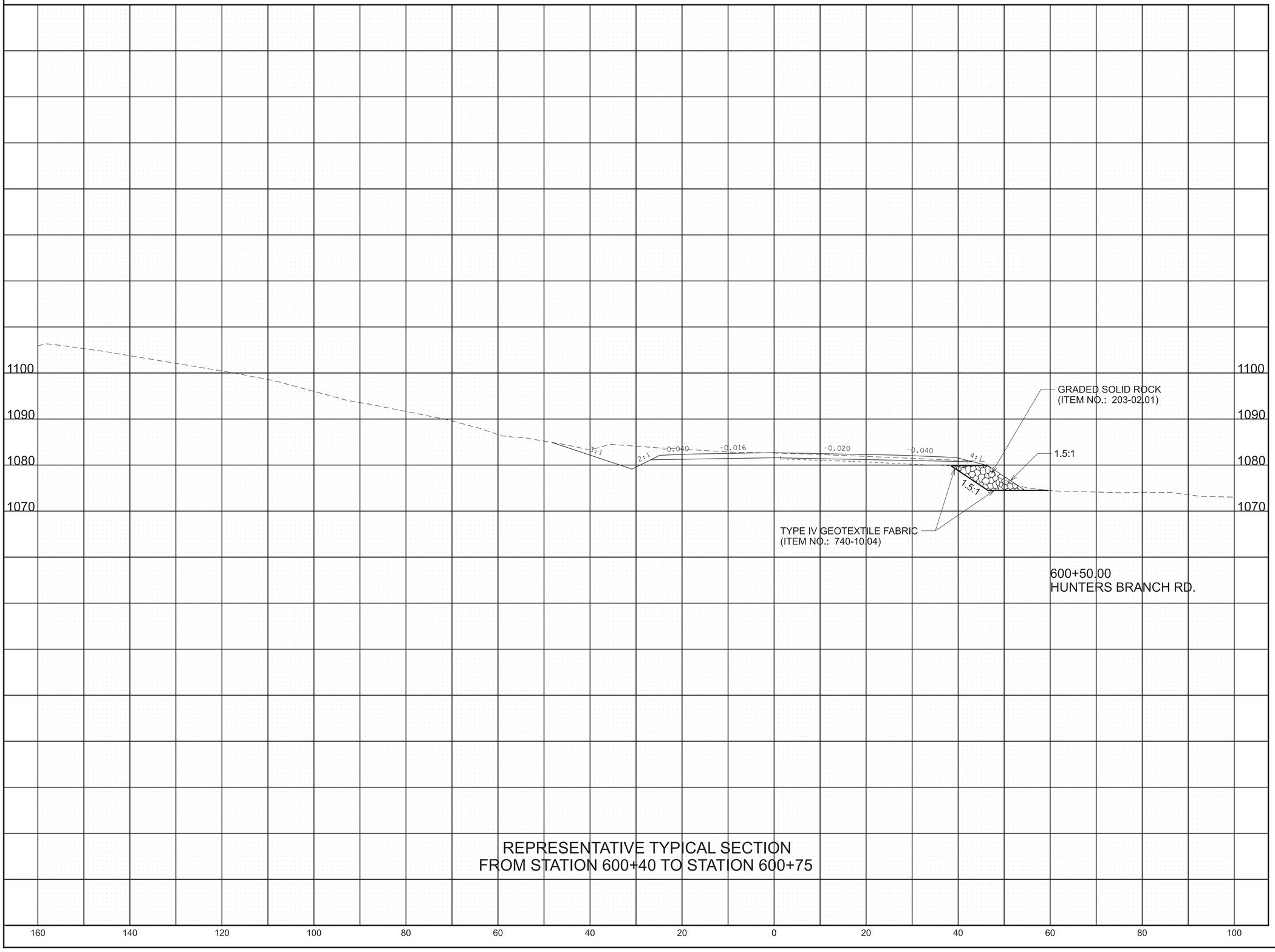
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DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING PROFILE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2024	07S009-S2-004	G-5
PIH	2025	07S009-S2-004	G-5
PS&E	2026	NH-SIP-9(124)	G-5



REPRESENTATIVE TYPICAL SECTION
FROM STATION 600+40 TO STATION 600+75

PS&E

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COMM WC
STATE OF TENNESSEE
Lori Ann Fiorentino
04/07/2026

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DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL TYPICAL SECTIONS

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



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

JACOB D BRASHEAR

Digitally signed by JACOB D BRASHEAR
Date: 2026.05.28 16:22:17 -04'00'

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

TENNESSEE DEPARTMENT OF TRANSPORTATION
7345 REGION LANE
KNOXVILLE, TN 37914
JACOB BRASHEAR, P.E. NO. 122645

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

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	SIGNAL-SIGN 1
SIGNAL INDEX AND SPECIAL NOTES	SIG-1
ESTIMATED SIGNAL QUANTITIES	SIG-1A
SIGNAL LAYOUT	SIG-2
SIGNAL DETAILS	SIG-2A
SIGNAL PHASING & TIMING	SIG-2B

YEAR	PROJECT NO.	SHEET NO.
2026	NH-SIP-9(124)	SIGNAL-SIGN 1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEETS

28-MAY-2026 15:56
\\tdot01nas002.tdot.state.tn.us\01Shared\SURVDES\Design\PROJECTS\Traffic_Design_Projects\19_SR-9_Intersection at Hunters Branch Rd in LaFollette_131606.00\Signal Sign 1.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	SIG-1
PS&E	2026	NH-SIP-9(124)	SIG-1

SIGNAL INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	SIGNAL-SIGN 1
SIGNAL INDEX AND SPECIAL NOTES	SIG-1
ESTIMATED SIGNAL QUANTITIES	SIG-1A
SIGNAL LAYOUT	SIG-2
SIGNAL DETAILS	SIG-2A
SIGNAL PHASING & TIMING	SIG-2B

SPECIAL NOTES

SIGNAL HEADS

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

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

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

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

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

(6) ALL SIGNAL HEADS WITH LED LENSES SHALL INCLUDE SWIVEL BALANCE ADJUSTERS TO MAINTAIN THE PROPER VISIBILITY. COSTS OF ADJUSTERS TO BE INCLUDED IN COSTS OF SIGNAL HEADS.

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

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COMMERCE
122045
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5/28/2026

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DEPARTMENT OF TRANSPORTATION

SIGNAL INDEX
AND
SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	NH-SIP-9(124)	SIG-1A

ESTIMATED SIGNAL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 07S009-F3-002
1	713-14.21	STREET NAME SIGN (RIGID 0.100IN THICK)	S.F.	56
2	713-15.07	SUSPENDED FLAT SHEET ALUMINUM SIGN (0.080" THICK)	EACH	1
	730-02.08	SIGNAL HEAD ASSEMBLY (130 POLE MOUNTED)	EACH	1
	730-02.09	SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE)	EACH	5
	730-02.17	SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE)	EACH	1
	730-03.21	INSTALL PULL BOX (TYPE B)	EACH	2
3	730-05.01	ELECTRICAL SERVICE CONNECTION	EACH	1
	730-08.02	SIGNAL CABLE - 5 CONDUCTOR	L.F.	196
	730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	373
	730-12.02	CONDUIT 2" DIAMETER (PVC SCHEDULE 40)	L.F.	100
	730-12.23	CONDUIT 2" DIAMETER (DIRECTIONAL BORE)	L.F.	99
4	730-13.12	VEHICLE DETECTOR (RADAR - STOP LINE)	EACH	3
4	730-13.13	VEHICLE DETECTOR (RADAR - ADVANCE)	EACH	2
	730-15.07	CABINET (ATC)	EACH	1
	730-16.04	CONTROLLER (ATC)	EACH	1
5	730-24.91	CANTILEVER SIGNAL SUPPORT (2 @ 45' & 55')	EACH	1
5	730-25.07	CANTILEVER SIGNAL SUPPORT (1 ARM @ 55')	EACH	1

FOOTNOTES

1. COST OF INSTALLATION AND HARDWARE IS TO BE INCLUDED IN PRICE BID FOR THIS ITEM. SEE SHEET 14 (SIGN SCHEDULE) FOR DETAILS.

2. INCLUDES:
   1 EACH R10-12

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LOCAL UTILITY TO OBTAIN THE ESTIMATE FOR ANY CHARGES BY THE UTILITY FOR PROVIDING ELECTRICAL SERVICE TO THE SIGNAL CONTROLLER. THESE CHARGES AND ANY OTHER EQUIPMENT NECESSARY FOR A COMPLETE SERVICE CONNECTION SHALL BE INCLUDED IN THE PRICE BID FOR THIS ITEM FOR PAYMENT BY THE CONTRACTOR.

4. INCLUDES ALL SENSOR UNITS, HARDWARE, SOFTWARE, MOUNTING ASSEMBLIES, 861 LF OF POWER CABLE, SURGE PROTECTION, AND RELATED EQUIPMENT TO PROVIDE ALL DETECTION ZONES AS SHOWN ON PLANS. CONTRACTOR TO ENSURE COMPATIBILITY WITH SIGNAL CONTROLLER.

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

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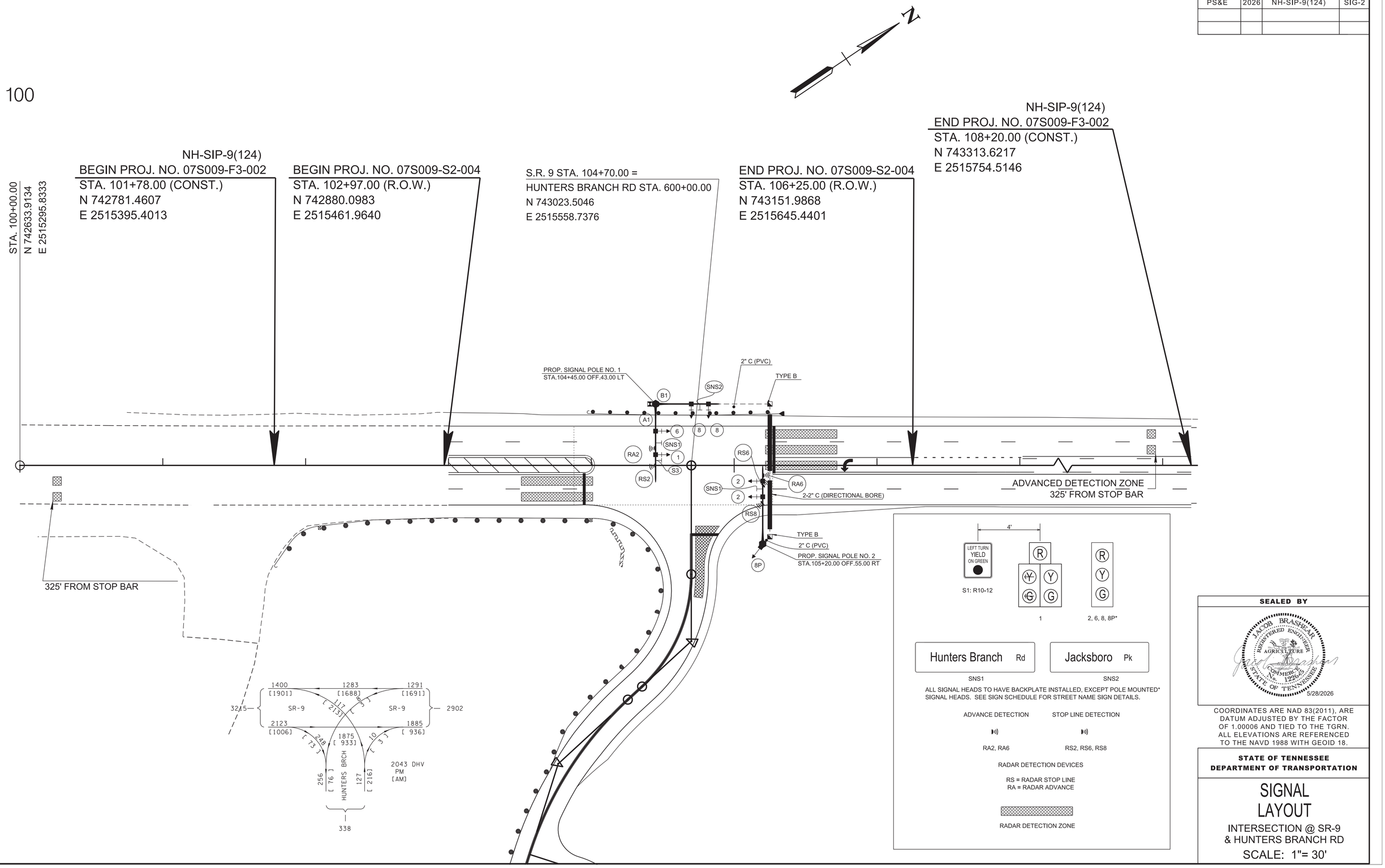
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ESTIMATED SIGNAL QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	SIG-2
PS&E	2026	NH-SIP-9(124)	SIG-2



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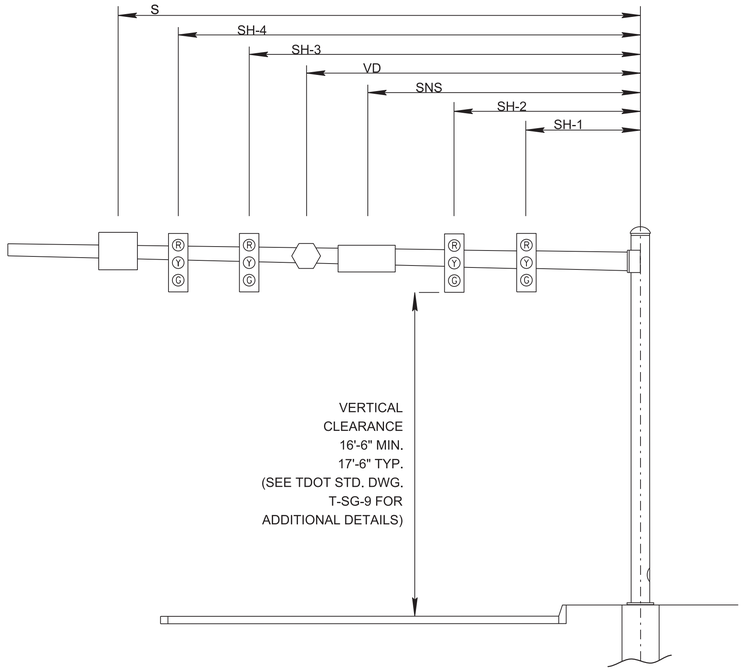
SIGNAL LAYOUT

INTERSECTION @ SR-9
& HUNTERS BRANCH RD

SCALE: 1"= 30'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2024	07S009-S2-004	SIG-2A
PS&E	2026	NH-SIP-9(124)	SIG-2A



S: SIGN
SNS: STREET NAME SIGN
SH-X: SIGNAL HEAD
VD: VEHICLE DETECTOR

LEGEND

- SIGNAL HEAD
- STREET NAME SIGN
- SIGN
- VEHICLE DETECTOR (RADAR)

SIGNAL SUPPORT POLE DATA AND SPAN DETAILS

POLE NO.	STATION	OFFSET	NORTHING	EASTING	SPAN (LT. TO RT.)	SPAN LENGTH	SH-1	VD	SNS	SH-2	VD	S	SH-3	VD	GROUND EL. @ POLE
SP-1	104+45.00	43.00' LT	743026.8578	2515509.1233	A1	55'	19.0'	31.0'	27.3'	35.5'	43.2'	39.5'			1081.83'
					B1	45'	25.0'		31.0'	37.0'					
SP-2	105+20.00	55.00' RT	743034.1851	2515632.2966		55'	0.0'	29.0'	38.5'	33.0'	40.4'		44.0'	48.0'	1086.95'

S.R. 9 @ HUNTERS BRANCH RD.

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5/28/2026

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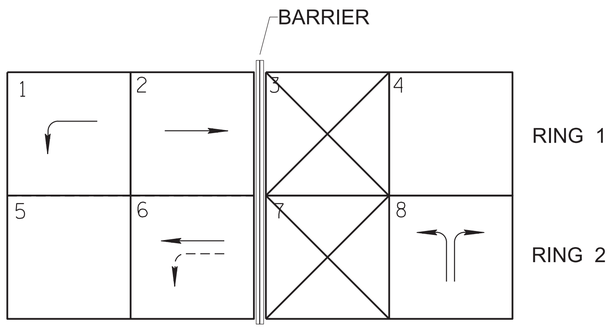
SIGNAL DETAILS

NOT TO SCALE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	NH-SIP-9(124)	SIG-2B



NEMA EIGHT PHASE DESIGNATIONS

ACTIVE PHASE

INACTIVE PHASE (NOT USED)

- OPERATION IS DUAL ENTRY MODE, FULL SKIP CAPABILITY
- SINGLE DIRECTION, LAGGING LEFT TURN PHASES ARE NOT ALLOWED
- ALL SIGNAL DISPLAYS AND CLEARANCES SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

BASIC OR SEMI - ACTUATED TIMING (SECS)

PHASE	MINIMUM INITIAL	PASSAGE TIME	MAX GREEN	Clearance Time	CLEARANCE		RECALL TO	MEMORY POSITION (1)	LEFT TURN OPERATION
					YELLOW	ALL RED			
1	7	1.1	8.00	4.00	4.0	2.0	NONE	NL	P+P
8	7	1.1	17.50	2.50	3.0	1.5	NONE	NL	

VOLUME-DENSITY TIMING (SECS)

PHASE	MINIMUM INITIAL	PASSAGE TIME	MAX GREEN	Clearance Time	CLEARANCE		RECALL TO	MEMORY POSITION
					YELLOW	ALL RED		
2	7	3.50	71.00	4.00	5.0	1.0	MIN	NL
6	7	3.50	85.00	4.00	5.0	1.0	MIN	NL

THESE TIMINGS ARE INITIAL AND MAY BE ADJUSTED BY THE CONTRACTOR BASED ON FIELD OBSERVATIONS TO PROVIDE EFFICIENT OPERATION.

(1) NL = NONLOCK
L = LOCK
(2) PERM = PERMITTED
PROT = PROTECTED
P+P = PROT/PERM

RADAR DETECTION TARGET ASSIGNMENT

TARGET AREA #	DETECTOR #	TARGET AREA LENGTH	ASSOC. Φ	COMMENTS
1-1	RS6	1@50'	1	PRESENCE
2-1	RA2	1@6'	2	PULSE
2-2	RA2	1@6'	2	PULSE
2-3	RS2	1@50'	2	PRESENCE
2-4	RS2	1@50'	2	PRESENCE
6-1	RA6	1@6'	6	PULSE
6-2	RA6	1@6'	6	PULSE
6-3	RS6	1@50'	6	PRESENCE
6-4	RS6	1@50'	6	PRESENCE
8-1	RS8	1@50'	8	PRESENCE

RADAR DETECTION DIAGRAM

FLASHING OPERATION (Y) OR (R)
DETECTION TARGET AREA NUMBERING & ASSOCIATED PHASE.

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SIGNAL PHASING & TIMING

INTERSECTION @ SR-9 & HUNTERS BRANCH RD.

NOT TO SCALE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS & E	2026	NH-SIP-9(124)	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)	5-6
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

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): 3.96 ACRES

2.3. TOTAL AREA TO BE DISTURBED (5.5.1.b): 2.79 ACRES

2.4. PROJECT DESCRIPTION (5.5.1.a):

TITLE: S.R. 9: Intersection at Hunters Branch Road in Lafollette
COUNTY: Campbell
PIN: 131606.00

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) 7, DRAINAGE MAP SHEET(S) 7, 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)**
Collegedale silt loam 5-12% slopes	C	14.2	.43
Collegedale-Rock outcrop complex 5 -20% slopes	C	15.5	.43
Fullerton and Bodine gravelly silt loams 12-25% slopes	B	50.4	.17
Talbott-Rock outcrop complex 30-50 % slopes	C	19.9	.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**
IMPERVIOUS	1.68	49.5	98	
PERVIOUS	2.28	50.5	60	
WEIGHTED CURVE NUMBER OR C-FACTOR =			76.12	

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS				
AREA TYPE	**AREA(AC)**	**PERCENTAGE OF TOTAL AREA (%)**	**RUNOFF CN**	**C FACTOR**
IMPERVIOUS	2.10	53	98	
PERVIOUS	1.86	47	60	
WEIGHTED CURVE NUMBER OR C-FACTOR =			80.15	

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 NA)

3.2. INSTALL STABILIZED CONSTRUCTION EXITS.

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

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

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

3.6. REMOVE AND STORE TOPSOIL.

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

3.8. INSTALL UTILITIES, STORM SEWERS, CULVERTS.

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

3.10. PERFORM FINAL GRADING AND INSTALL BASE STONE.

3.11. COMPLETE FINAL PAVING AND SEALING OF CONCRETE.

3.12. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.

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

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

3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

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

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

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

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

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

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

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

RECEIVING WATERS OF THE STATE INFORMATION					
TDOT STATE WATER LABEL FROM EBR	**NAME OF RECEIVING STATE WATER**	**303d WITH UNAVAILABLE PARAMETERS FOR SILTATION (YES OR NO)**	**ETW (YES OR NO)**	**LOCATED WITHIN PROJECT LIMITS (YES OR NO)**	**LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)**
STR-1 Hunters Branch	Hunters Branch	YES	NO	YES	YES
STR-2	UNT to Hunters Branch	NO	NO	YES	YES

4.1.4. RECEIVING WATERS OF THE US (NON STATE WATERS) (4.1.2). LIST ANY FEATURE THAT IS IDENTIFIED AS A WET WEATHER CONVEYANCE (TDEC) AND IDENTIFIED AS WATERS OF THE US BY THE ARMY CORPS OF ENGINEERS.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS & E	2026	NH-SIP-9(124)	S-2

WET WEATHER CONVEYANCES THAT ARE WATERS OF THE US		
TDOT STATE WATER LABEL FROM EBR	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)

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) No.

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:Existing road is within the stream buffer.

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 ROADWAY SHEETS S-11, 12, 13 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)

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.

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	NH-SIP-9(124)	S-3

5.9. HAS A THREE STAGED EPSC PLAN BEEN PREPARED FOR THE PROJECT (5.5.2.)?

YES ☒ NO ☐

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

5.10. STEEP SLOPES ARE DEFINED AS A NATURAL OR CREATED SLOPE OF 35% GRADE OR GREATER REGARDLESS OF HEIGHT. HAVE STEEP SLOPES BEEN MINIMALLY DISTURBED AND/OR PROTECTED BY CONVEYING RUNOFF NON-EROSIVELY AROUND OR OVER THE SLOPE (5.5.3.4.) (10. "STEEP SLOPE")? ☒ YES ☐ NO ☐ N/A

5.11. THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE AQUATIC RESOURCE ALTERATION (ARAP) PERMIT OR SECTION 401 CERTIFICATION (5.5.1.h). REFER TO THE LIST OF APPLICABLE ENVIRONMENTAL PERMITS LOCATED ON SWPPP SHEET 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 10 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 10 (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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. THESE EPSC MEASURES SHALL REMAIN UNTIL THE BACKFILLED TRENCH IS STABILIZED WITH PERMANENT VEGETATIVE COVER.

7.9. THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS AS APPROVED BY THE TDOT RESPONSIBLE PARTY.

7.10. THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EPSC MEASURES TO REPLACE ONSITE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT ENGINEER BEFORE COMMENCING WORK.

7.11. FOR UTILITY CROSSINGS THAT UTILIZE HORIZONTAL DIRECTIONAL DRILLING THE FOLLOWING SHALL APPLY:

7.11.1. THE ENTRY AND EXIT POINTS SHALL BE AT LEAST 50 FEET FROM THE STREAM BANK OR WETLAND BOUNDARY.

7.11.2. THE DEPTH OF BORE BELOW THE STREAMBED IS SUFFICIENT TO PREVENT RELEASE OF DRILLING FLUID, BASED ON THE PARENT MATERIAL.

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): _____

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)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS & E	2026	NH-SIP-9(124)	S-5

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

10.6. SANITARY WASTE (5.5.3.7.b)

PORTABLE SANITARY FACILITIES WILL BE PROVIDED ON ALL CONSTRUCTION SITES. SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY LOCAL REGULATIONS. THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.

10.7. OTHER MATERIALS

THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY).

☒ 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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES.

13. RECORD-KEEPING

13.1. REQUIRED RECORDS

TDOT OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL MAINTAIN AT THE SITE THE FOLLOWING RECORDS OF CONSTRUCTION ACTIVITIES (7.2.1.) (7.2.1.):

13.1.1. THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR.

13.1.2. THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE.

13.1.3. THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.

13.1.4. RECORDS EPSC INSPECTION REPORTS AND CORRECTIVE MEASURES.

13.1.5. RECORDS OF QUALITY ASSURANCE SITE ASSESSMENTS.

13.1.6. COPY OF SITE EPSC INSPECTOR'S CERTIFICATION AND/OR LICENSING

13.1.7. A COPY OF ANY REGULATORY CORRESPONDENCE REGARDING THE EFFECTIVENESS OF THE SWPPP OR EPSC CONTROLS.

13.2. RAINFALL MONITORING PLAN (7.2.1.):

13.2.1. EQUIPMENT
AT A MINIMUM, THE CONTRACTOR WILL INSTALL A FENCE POST TYPE RAIN GAUGE TO MEASURE RAINFALL. THE STANDARD FENCE POST RAIN GAUGE WILL BE A WEDGE-SHAPED GAUGE THAT MEASURES UP TO 6 INCHES OF RAINFALL. AN ENGLISH SCALE WILL BE PROVIDED ON ONE FACE, WITH A METRIC SCALE ON THE OTHER FACE. GRADUATION WILL BE PERMANENTLY MOLDED IN DURABLE WEATHER-RESISTANT PLASTIC. THE MINIMUM GRADUATION WILL BE 0.01 INCH (OR 0.1MM). AN ALUMINUM BRACKET WITH SCREWS MAY BE USED TO MOUNT THE GAUGE ON A WOODEN SUPPORT.

13.2.2. LOCATION
THE RAIN GAUGE WILL BE LOCATED AT OR ALONG THE PROJECT SITE, AS DEFINED IN THE NOI OF THE NPDES PERMIT, IN AN OPEN AREA SUCH THAT THE MEASUREMENT WILL NOT BE INFLUENCED BY OUTSIDE FACTORS (I.E. OVERHANGS, GUTTER, TREES, ETC.). AT LEAST ONE RAIN GAUGE PER LINEAR MILE IS REQUIRED ALONG (AS MEASURED ALONG THE CENTERLINE OF THE PRIMARY ALIGNMENT) THE PROJECT WHERE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING IS ACTIVELY PERFORMED, OR EXPOSED SOIL HAS NOT YET BEEN PERMANENTLY STABILIZED.

13.2.3. METHODS
RAINFALL MONITORING WILL BE INITIATED PRIOR TO CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING, OR FILLING, EXCEPT AS SUCH MINIMAL CLEARING MAY BE NECESSARY TO INSTALL A RAIN GAUGE IN AN OPEN AREA. THE RAIN GAUGE WILL BE CHECKED FOR OPERATIONAL SOUNDNESS DAILY (DURING NORMAL BUSINESS HOURS) IN WET TIMES AND WEEKLY IN DRY TIMES. GAUGES WILL BE REPAIRED OR REPLACED ON THE SAME DAY IF FOUND TO BE NON-OPERATIONAL OR MISSING.

13.2.4. EACH RAIN GAUGE WILL BE READ (FOR DETAILED RECORDS OF RAINFALL) AND EMPTIED AFTER EVERY RAINFALL EVENT OCCURRING ON THE PROJECT SITE AT APPROXIMATELY THE SAME TIME OF THE DAY (DURING NORMAL BUSINESS HOURS). DURING PERIODS OF DRY CONDITIONS, IT WILL NOT BE NECESSARY TO READ THE RAIN GAUGE EVERY DAY. IN LIEU OF THIS REQUIREMENT ON WEEKENDS AND ON STATE HOLIDAYS, THE RAIN GAUGES CAN BE EMPTIED THE NEXT BUSINESS DAY AND A REFERENCE SITE USED FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION FOR THOSE DAYS. A REFERENCE SITE IS THE DOCUMENTATION FROM THE CLOSEST GAUGE WITHIN PROXIMITY OF THE PROJECT FROM A RECOGNIZED SOURCE SUCH AS THE NOAA NATIONAL WEATHER SERVICE.

13.2.5. DETAILED RECORDS WILL BE RECORDED OF RAINFALL EVENTS INCLUDE DATES, AMOUNTS OF RAINFALL, AND THE APPROXIMATE DURATION (OR THE STARTING AND ENDING TIMES). THE RAINFALL RECORDS SHALL BE RECORDED ON THE TDOT RAINFALL RECORD SHEET AND SHALL BE MAINTAINED IN THE "DOCUMENTATION AND PERMITS" BINDER.

13.2.6. IF THE RAINFALL EVENT IS STILL IN PROGRESS AT THE DAILY RECORDING TIME, THE GAUGE WILL BE EMPTIED AND THE RECORD WILL INDICATE THAT THE STORM EVENT WAS STILL IN PROGRESS.

13.2.7. RAIN GAUGE INFORMATION (DETAILED RECORDS), INCLUDING THE LOCATION OF THE NEAREST OUTFALL, WILL BE RECORDED ON THE EPSC INSPECTION REPORT FORMS AT THE TIME OF MEASUREMENT.

13.3. KEEPING PLANS CURRENT (5.4.)

13.3.1. THE EPSC PLAN IS TO SERVE AS AN INITIAL GUIDE FOR SITE PERSONNEL AS THE CONSTRUCTION PROCESS DEVELOPS. IT MUST BE AMENDED, MODIFIED, AND UPDATED WHENEVER EPSC INSPECTIONS INDICATE, OR WHERE STATE OR FEDERAL REGULATORY OFFICIALS DETERMINE EPSC MEASURES ARE PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES OR ARE OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY.

13.3.2. THE STAGES DEPICTED WITHIN THE EPSC PLANS MAY NOT COINCIDE WITH THE ACTUAL STAGES OF CONSTRUCTION ESTABLISHED BY THE CONTRACTOR DURING CONSTRUCTION, THUS MODIFICATIONS WILL BE REQUIRED TO ENSURE THE EPSC PLAN IS MAINTAINED TO DEPICT CURRENT SITE CONDITIONS. IT SHOULD BE MAINTAINED SUCH THAT IT WILL ALWAYS REFLECT THE MEASURES THAT ARE INSTALLED DURING THE VARIOUS STAGES OF CONSTRUCTION. IT IS IMPRACTICAL TO DETERMINE ALL THE INTERMEDIATE STAGES OF CONSTRUCTION THAT WILL OCCUR, THUS THESE DOCUMENTS MUST BE UPDATED THROUGHOUT THE LIFE OF THE CONSTRUCTION PROJECT.

13.3.3. THE TDOT EPSC INSPECTOR OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL MODIFY AND UPDATE THE SWPPP WHEN ANY OF THE FOLLOWING CONDITIONS APPLY:

13.3.3.1. WHENEVER THERE IS A CHANGE IN THE SCOPE OF THE PROJECT THAT WOULD BE EXPECTED TO HAVE A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE AND WHICH HAS NOT OTHERWISE BEEN ADDRESSED IN THE SWPPP;

13.3.3.2. WHENEVER INSPECTIONS OR INVESTIGATIONS BY SITE OPERATORS, LOCAL, STATE, OR FEDERAL OFFICIALS INDICATE THE SWPPP IS PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM CONSTRUCTION ACTIVITY SOURCES, OR IS OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY; WHERE LOCAL, STATE, OR FEDERAL OFFICIALS DETERMINE THAT THE SWPPP IS INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES, A COPY OF ANY CORRESPONDENCE TO THAT EFFECT MUST BE RETAINED IN THE SWPPP;

13.3.3.3. WHEN ANY NEW OPERATOR AND/OR SUB-OPERATOR IS ASSIGNED OR RELIEVED OF THEIR RESPONSIBILITY TO IMPLEMENT A PORTION OF THE SWPPP;

13.3.3.4. TO PREVENT A NEGATIVE IMPACT TO LEGALLY PROTECTED STATE OR FEDERALLY LISTED OR PROPOSED THREATENED OR ENDANGERED AQUATIC FAUNA;

13.3.3.5. WHEN THERE IS A CHANGE IN CHEMICAL TREATMENT METHODS INCLUDING: USE OF DIFFERENT TREATMENT CHEMICALS, DIFFERENT DOSAGE OR APPLICATION RATES OR A DIFFERENT AREA OF APPLICATION NOT SPECIFIED ON THE EPSC PLANS.

13.3.3.6. ALL SWPPP REVISION(S) SHALL BE RECORDED WITHIN 1 WEEK BY THE PROJECT EPSC INSPECTOR.

13.3.3.7. WHEN A TMDL IS DEVELOPED FOR THE RECEIVING WATERS FOR A POLLUTANT OF CONCERN (SILTATION AND/OR HABITAT ALTERATION), CONSTRUCTION SHALL NOTIFY THE PERMITS SECTION FOR PROPER COORDINATION.

13.4. MAKING PLANS ACCESSIBLE

13.4.1. TDOT WILL RETAIN A COPY OF THIS SWPPP (INCLUDING A COPY OF THE "DOCUMENTATION AND PERMITS" BINDER AT THE CONSTRUCTION SITE (OR OTHER LOCATION ACCESSIBLE TO TDEC AND THE PUBLIC) FROM THE DATE CONSTRUCTION COMMENCES TO THE DATE OF PERMANENT STABILIZATION. TDOT WILL HAVE A COPY OF THE SWPPP AVAILABLE AT THE LOCATION WHERE WORK IS OCCURRING ON-SITE FOR THE USE OF OPERATORS AND THOSE IDENTIFIED AS HAVING RESPONSIBILITIES UNDER THE SWPPP WHENEVER THEY ARE ON THE CONSTRUCTION SITE (7.2.).

13.4.2. PRIOR TO THE INITIATION OF LAND DISTURBING ACTIVITIES AND UNTIL THE SITE HAS MET THE PERMANENT STABILIZATION CRITERIA, TDOT OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL POST A NOTICE NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE WITH THE FOLLOWING INFORMATION (5.3.4.) (7.2.1.):

13.4.2.1. A COPY OF THE NOTICE OF COVERAGE (NOC) WITH THE NPDES PERMIT NUMBER FOR THE PROJECT;

13.4.2.2. THE INDIVIDUAL NAME, COMPANY NAME, E-MAIL ADDRESS (IF APPLICABLE) AND TELEPHONE NUMBER OF THE LOCAL PROJECT SITE OWNER AND OPERATOR CONTACT;

13.4.2.3. A BRIEF DESCRIPTION OF THE PROJECT; AND

13.4.2.4. THE LOCATION OF THE SWPPP.

13.4.3. ALL INFORMATION DESCRIBED IN SECTION 13.4.2 MUST BE MAINTAINED IN LEGIBLE CONDITION. IF POSTING THIS INFORMATION NEAR A MAIN ENTRANCE IS INFEASIBLE DUE TO SAFETY CONCERNS, THE NOTICE SHALL BE POSTED IN A LOCAL BUILDING. THE NOTICE MUST BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION WHERE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY.

13.5. NOTICE OF TERMINATION (9.0.)

13.5.1. WHEN ALL STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT ARE AUTHORIZED BY THE PERMIT ARE ELIMINATED BY PERMANENT STABILIZATION, THE TDOT REGIONAL ENGINEER WILL SUBMIT A NOTICE OF TERMINATION (NOT) THAT IS SIGNED IN ACCORDANCE WITH THE PERMIT TO THE TDEC CENTRAL OFFICE IN NASHVILLE, TN.

13.5.2. FOR THE PURPOSES OF THE CERTIFICATION REQUIRED BY THE NOT, THE ELIMINATION OF STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY MEANS THE

13.5.2.1. ALL EARTH-DISTURBING ACTIVITIES ON THE SITE ARE COMPLETED AND ALL DISTURBED SOILS AT THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL HAVE BEEN PERMANENTLY STABILIZED; AND

13.5.2.2. ALL CONSTRUCTION MATERIALS, WASTE AND WASTE HANDLING DEVICES, AND ALL EQUIPMENT, AND VEHICLES THAT WERE USED DURING CONSTRUCTION HAVE BEEN REMOVED AND PROPERLY DISPOSED; AND

13.5.2.3. ALL STORMWATER CONTROLS THAT WERE INSTALLED AND MAINTAINED DURING CONSTRUCTION, EXCEPT THOSE THAT ARE INTENDED FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE, HAVE BEEN REMOVED; AND

13.5.2.4. ALL POTENTIAL POLLUTANTS AND POLLUTANT GENERATING ACTIVITIES ASSOCIATED WITH CONSTRUCTION HAVE BEEN REMOVED; AND

13.5.2.5. THE PERMITTEE HAS IDENTIFIED WHO IS RESPONSIBLE FOR ONGOING MAINTENANCE OF ANY STORMWATER CONTROLS LEFT ON THE SITE FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE; AND

13.5.2.6. TEMPORARY EPSC MEASURES HAVE BEEN OR WILL BE REMOVED AT AN APPROPRIATE TIME TO ENSURE PERMANENT STABILIZATION IS MAINTAINED; AND

13.5.2.7. ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES FROM THE IDENTIFIED SITE THAT ARE AUTHORIZED BY A NPDES GENERAL PERMIT HAVE OTHERWISE BEEN ELIMINATED FROM THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL.

13.6. RETENTION OF RECORDS (7.1.)

TDOT WILL RETAIN COPIES OF THE SWPPP, ALL REPORTS REQUIRED BY THE PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT FOR THE PROJECT FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THE NOT WAS FILED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS & E	2026	NH-SIP-9(124)	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.

Keven Braun
AUTHORIZED TDOT PERSONNEL SIGNATURE (5.3.3.)

KEVEN BROWN
PRINTED NAME

TEAM LEAD
TITLE

5-28-24
DATE

15. SECONDARY PERMITTEE (OPERATOR) CERTIFICATION (8.7.6.)

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE REVIEWED THIS DOCUMENT, ANY ATTACHMENTS, AND THE SWPPP REFERENCED ABOVE. BASED ON MY INQUIRY OF THE CONSTRUCTION SITE OWNER/DEVELOPER IDENTIFIED ABOVE AND/OR MY INQUIRY OF THE PERSON DIRECTLY RESPONSIBLE FOR ASSEMBLING THIS NOI AND SWPPP, I BELIEVE THE INFORMATION SUBMITTED IS ACCURATE. I AM AWARE THAT THIS NOI, IF APPROVED, MAKES THE ABOVE-DESCRIBED CONSTRUCTION ACTIVITY SUBJECT TO NPDES PERMIT NUMBER TNR100000, AND THAT CERTAIN OF MY ACTIVITIES ONSITE ARE THEREBY REGULATED. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS, AND FOR FAILURE TO COMPLY WITH THESE PERMIT REQUIREMENTS. AS SPECIFIED IN TENNESSEE CODE ANNOTATED SECTION 39-16-702(a)(4), THIS DECLARATION IS MADE UNDER PENALTY OF PERJURY.

AUTHORIZED CONTRACTOR PERSONNEL SIGNATURE (5.3.3.)

PRINTED NAME

TITLE

DATE

16. ENVIRONMENTAL PERMITS (1.5.2.)

LIST ALL ENVIRONMENTAL PERMITS AND EXPIRATION DATES FOR PROJECT **(TO BE COMPLETED AT THE ENVIRONMENTAL PRECONSTRUCTION MEETING BY TDOT CONSTRUCTION OR THEIR DULY AUTHORIZED REPRESENTATIVE)**:

ENVIRONMENTAL PERMITS			
PERMIT	**YES OR NO**	**PERMIT OR TRACKING NO.**	**EXPIRATION DATE***
TDEC ARAP	NO	NA	NA
CORPS OF ENGINEERS (USACE)	NO	NA	NA
TVA 26A	NO	NA	NA
TDEC CGP	YES	TBD	TBD
OTHER:			

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS & E	2026	NH-SIP-9(124)	S-8

17. **OUTFALL TABLE (5.5.1.c, 6.4.1.e, 6.4.1.f)**

OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	SEDIMENT TRAP OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
OUT1		607+60 LT	10.02	4.310	NA	NA	NA	NO	STR-1 HUNTERS BRANCH	
OUT 2		606 + 00 LT	8.89	NA	5.74	5.74	NA	YES	STR-1 HUNTERS BRANCH	

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TENN.	YEAR	SHEET NO.
	2026	U1-1
FED. AID PROJ. NO.	NH-SIP-9(124)	
STATE PROJ. NO.	07S009-F3-002	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

CAMPBELL COUNTY

S.R. 9 (U.S. 25W): INTERSECTION AT
HUNTER'S BRANCH ROAD IN LAFOLLETTE

PS&E

GRADE, DRAIN, BASE, PAVE, SIGNAL, GUARDRAIL, AND RESURFACE

STATE HIGHWAY NO. 9 U.S. ROUTE NO. 25W

UTILITIES INDEX

SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITY OWNERS	U-1

UTILITIES NOT IN ROADWAY CONTRACT

COMM:	COMCAST XFINITY 1725 WEARS VALLEY ROAD SEVIERVILLE, TN 37862 JASON KELLY 865-437-0295 JOSHUA JONES 865-437-0295 (NO CONFLICT)	ELEC:	LAFOLLETTE UTILITIES BOARD 302 NORTH TENNESSEE AVENUE LAFOLLETTE, TN 37766 KEITH ATKINS (423) 736 6163 (NO CONFLICT)
GAS:	POWELL CLINCH UTILITY DISTRICT 203 FIRST STREET LAKE CITY, TN 37769 AARON MCCOY 865-964-5439 (NO CONFLICT)	WATER:	LAFOLLETTE UTILITIES BOARD 302 NORTH TENNESSEE AVENUE LAFOLLETTE, TN 37766 COBIE HERRIN (423) 907 1010 (NO CONFLICT)
COMM:	AT&T 9733 PARKSIDE DRIVE KNOXVILLE, TN 37922 JAY FRAZIER 865-387-2685 (NO CONFLICT)	SEWER:	LAFOLLETTE UTILITIES BOARD 302 NORTH TENNESSEE AVENUE LAFOLLETTE, TN 37766 COBIE HERRIN (423) 907 1010 (NO CONFLICT)
SEWER:	CARRYVILLE-JACKSBORO COMMISSION P.O. BOX 121, SUITE 2 JACKSBORO, TN 37757 FRANK WALLACE (423) 562-9776 (NO CONFLICT)	WATER:	CARYVILLE-JACKSBORO COMMISSION 585 MAIN STREET JACKSBORO, TN 37757 FRANK WALLACE (865) 740-2602 (NO CONFLICT)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY INDEX,
UTILITY OWNERS

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