



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Digitally signed by Eric Kim
Date: 2026.01.05 12:01:51
-05'00'

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, TENNESSEE 37954
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 SHEET	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD STRUCTURE AND TRAFFIC DESIGN DRAWINGS	1A3
PROJECT COMMITMENTS	1B
ESTIMATED ROADWAY QUANTITIES	2, 2-1
ESTIMATED BOX BRIDGE QUANTITIES	2A
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B
TYPICAL SECTIONS	2B1, 2B2
GENERAL NOTES	2C, 2C1
SPECIAL NOTES	2D
ENVIRONMENTAL NOTES	2E
TABULATED QUANTITIES	2F, 2F1, 2F2
DETAIL SHEET	2G, 2G1
RIGHT-OF-WAY NOTES, UTILITY NOTES, AND UTILITY OWNERS	3
RIGHT-OF-WAY ACQUISITION TABLE	3A
PROPERTY MAP	3B
PRESENT LAYOUTS	4 - 5
RIGHT-OF-WAY DETAILS	4A - 5A
PROPOSED LAYOUTS	4B - 5B
PROPOSED PROFILES	4C - 5C
SIDE ROAD PROFILES	6 - 7
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES	8 - 9
DRAINAGE MAPS	10 - 11
CULVERT SECTIONS	12
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	13, 14, 15-17A
ROADWAY CROSS SECTIONS	19 - 30
SIDE ROAD CROSS SECTIONS	31 - 42
TRAFFIC CONTROL PLANS	T1 - T9, T7A - T9A



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Bryan Bartnik
2026.01.05 13:00:06 -05'00'

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
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 SHEET	ROADWAY-SIGN1
SIGN SCHEDULE SHEET	18 - 18A

YEAR	PROJECT NO.	SHEET NO.
2026	01952-3502-04	ROADWAY-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

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

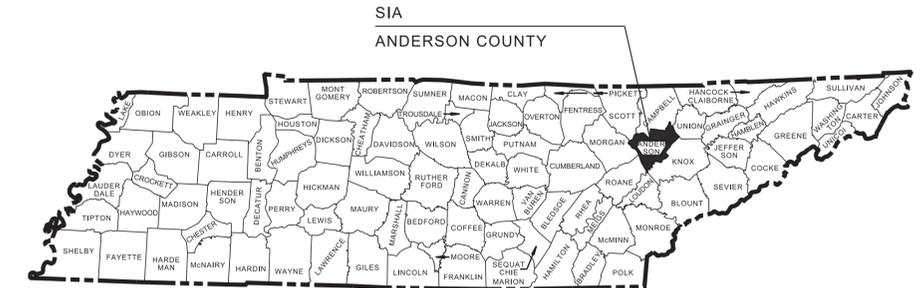
TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	N/A	
STATE PROJ. NO.	01952-3502-04	

ANDERSON COUNTY

SIA: STATE INDUSTRIAL ACCESS
SERVING NORRIS INDUSTRIAL PARK

PS&E
GRADE, DRAIN, PAVE, GUARDRAIL

STATE HIGHWAY NO. N/A U.S. ROUTE NO. N/A



NO EXCLUSIONS

END PROJECT NO. 01952-2502-04 R.O.W.

STA. 362+69.21

N 680213.3986 E 2538363.4554

END PROJECT NO. 01952-3502-04 CONSTRUCTION

STA. 362+60.00

N 680204.5437 E 2538360.9258

BEGIN PROJECT NO. 01952-2502-04 R.O.W.

STA. 351+00.00

N 679180.2276 E 2538491.6013

BEGIN PROJECT NO. 01952-3502-04 CONSTRUCTION

STA. 350+12.00

N 679103.7269 E 2538534.1691

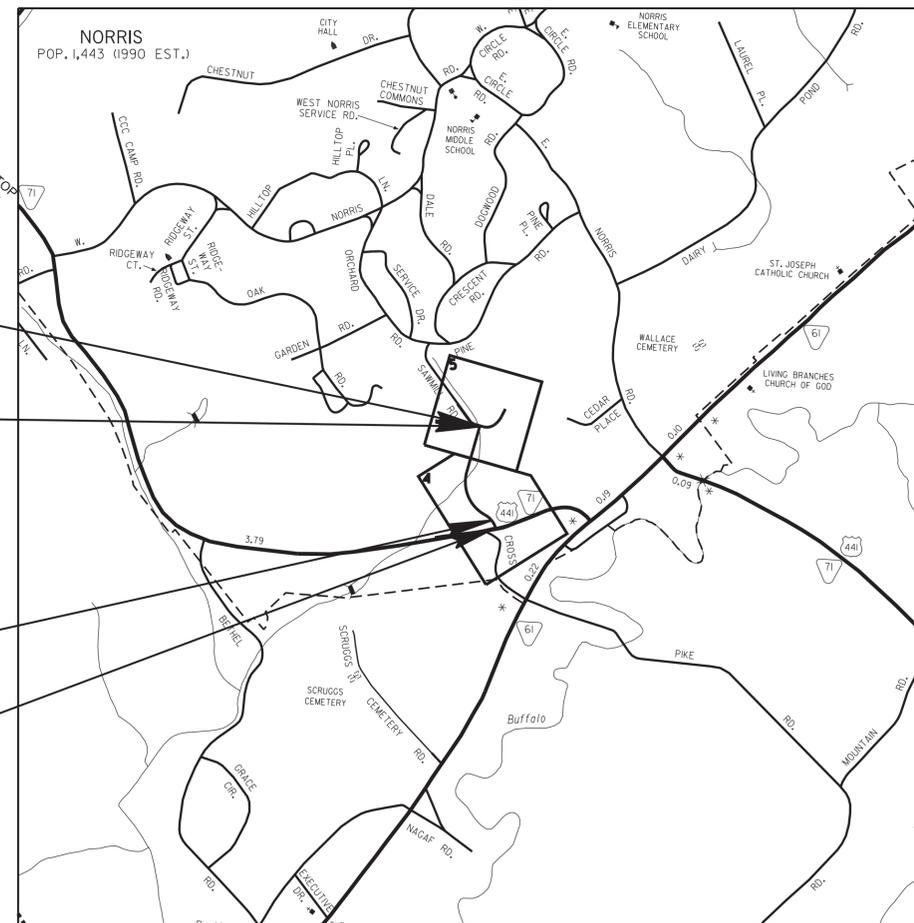
SPECIAL NOTES

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

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

TDOT PROJECT
MANAGER: JEREMY MEFFORD, P.E.
DESIGNER: SCOTT BOLES, P.E. CHECKED BY: AARON HAYS, P.E.

P.E. NO. 01952-1502-04 (DESIGN)
PIN NO. 128962.00



SCALE: 1"= 1000 FT



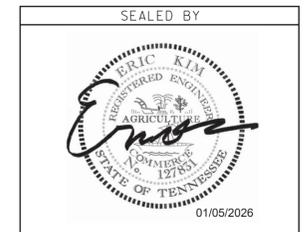
R.O.W. LENGTH	0.221 MILES
ROADWAY LENGTH	0.236 MILES
BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES ▲
PROJECT LENGTH	0.236 MILES

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

S.I.A. RD. (10-30-25)

SURVEY 07-15-20	TRAFFIC DATA	
SURVEY UPDATE 02-09-21	ADT (2026)	410
SURVEY UPDATE 08-02-21	ADT (2046)	510
SURVEY UPDATE 08-08-24	DHV (2046)	72
	D	60 - 40
	T (ADT)	8 %
	T (DHV)	5 %
	V	35 MPH

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



APPROVED: *Shane Hester*
SHANE HESTER, CHIEF ENGINEER

DATE:

APPROVED: *Will Reid*
WILL REID, COMMISSIONER

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD STRUCTURE AND TRAFFIC DESIGN DRAWINGS	1A3
PROJECT COMMITMENTS	1B
ESTIMATED ROADWAY QUANTITIES	2, 2-1
ESTIMATED BOX BRIDGE QUANTITIES	2A
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B
TYPICAL SECTIONS	2B1, 2B2
GENERAL NOTES	2C, 2C1
SPECIAL NOTES	2D
ENVIRONMENTAL NOTES	2E
TABULATED QUANTITIES	2F, 2F1, 2F2
DETAIL SHEET	2G, 2G1
RIGHT-OF-WAY NOTES, UTILITY NOTES, AND UTILITY OWNERS	3
RIGHT-OF-WAY ACQUISITION TABLE	3A
PROPERTY MAP	3B
PRESENT LAYOUTS	4 – 5
RIGHT-OF-WAY DETAILS	4A – 5A
PROPOSED LAYOUTS	4B – 5B
PROPOSED PROFILES	4C – 5C
SIDE ROAD PROFILES	6 – 7
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES	8 – 9
DRAINAGE MAPS	10 – 11
CULVERT SECTIONS	12
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	13, 14, 15-17A
SIGN SCHEDULE SHEET	18 – 18A
ROADWAY CROSS SECTIONS	19 – 30
SIDE ROAD CROSS SECTIONS	31 – 42
TRAFFIC CONTROL PLANS	T1 – T9, T7A – T9A
GEOTECH PLANS	G-1
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INDEX	S-1
UTILITIES PLANS	U1-1

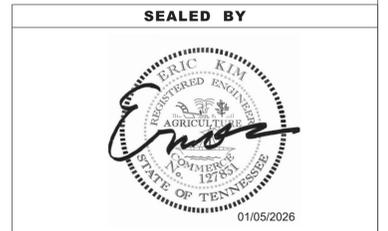
NOTE: THE ALPHABETICAL LETTERS "I", "O" & "Q" ARE NOT USED IN NUMBERING OF SHEETS.

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGEND		
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
ROADWAY DESIGN STANDARDS		
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-1		RURAL LOCAL ROADS (LOW-VOLUME)
RD18-TS-2A		RURAL LOCAL ROADS AND STREETS
RD18-TS-3A		RURAL MINOR COLLECTOR (2-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
PIPE CULVERTS AND ENDWALLS		
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-SEW-1A	07-07-23	TYPE "SAFETY" SIDE DRAIN ENDWALL WITH STEEL PIPE GRATE FOR 15" THRU 48" PIPES, 6:1 SLOPE
D-PE-4	06-28-19	STRAIGHT CONCRETE ENDWALLS (PIPE SIZES 18" TO 30")
CATCH BASINS AND MANHOLES		
D-CB-42RB	02-20-20	STANDARD PRECAST CIRCULAR NO. 42 CATCH BASIN
D-RL-3		ROUND LID DETAILS FOR SINGLE OPENING AREA DRAIN
D-RS-1		ROUND STRUCTURES (48" THRU 120")
D-RS-2		PRECAST ROUND STRUCTURES REINFORCEMENT DETAILS
D-RS-3		MISCELLANEOUS DETAILS FOR ROUND STRUCTURES
D-MH-2	02-20-20	STANDARD PRECAST NO. 3 MANHOLE
D-MH-3	02-20-20	TYPICAL DESIGN OF LIDS FOR NO. 3 MANHOLE
D-MH-4	02-20-20	STANDARD NO. 3 MANHOLE CASTINGS AND STEPS

DWG.	REV.	DESCRIPTION
D-RMH-1		PRECAST MANHOLE STRUCTURES (48" THRU 120")
ROADWAY, PAVEMENT APPURTENANCES, AND FENCES		
RP-I-5	05-01-20	EXAMPLES OF STREET & ALLEY INTERSECTIONS
RP-R-1	04-21-25	STANDARD RAMP DETAILS FOR ROADWAYS AND DRIVEWAYS
RP-R-1A	04-21-25	STANDARD RAMP DETAILS FOR LOW VOLUME RURAL ROADWAYS
S-F-1	03-01-23	HIGH VISIBILITY FENCE
SAFETY DESIGN AND GUARDRAILS		
S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
S-PL-1	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED
S-PL-1B	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED ON CURVED ROADWAYS
S-PL-6	07-30-24	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-GR31-1	03-13-25	GUARDRAIL DETAILS
S-GR31-1A	06-28-19	GUARDRAIL AND BLOCK-OUT DETAILS
S-GR31-1B		GUARDRAIL FASTENING HARDWARE
S-GR31-1C	07-07-23	GUARDRAIL GENERAL NOTES AND POST DETAILS
S-GRS-2	01-28-22	SPECIAL CASE GUARDRAIL ATTACHMENT TO CONCRETE DECKS
S-GRT-2P	10-16-20	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL
S-GRT-3	06-28-19	TYPE 21 GUARDRAIL END TERMINAL
S-GRA-4	03-01-23	IN-LINE GUARDRAIL ANCHOR TO PRIVATE DRIVE
EROSION PREVENTION AND SEDIMENT CONTROL		
EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3B	06-15-21	SILT FENCE
EC-STR-3C	03-01-23	SILT FENCE WITH WIRE BACKING
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-6	11-30-20	ROCK CHECK DAM
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-27	08-01-12	TEMPORARY SLOPE DRAIN AND BERM
EC-STR-30		INSTREAM DIVERSION (WITHOUT TRAFFIC)
EC-STR-30A		INSTREAM DIVERSION (WITH TRAFFIC)
EC-STR-31		TEMPORARY DIVERSION CHANNEL
EC-STR-31A	04/01/08	TEMPORARY DIVERSION CHANNEL DESIGN
EC-STR-34	05-04-22	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
NATURAL STREAM DESIGN		
D-NSD-30	05-29-25	SUBSTRATE RESTORATION
D-NSD-33	05-01-20	COIR FIBER EROSION CONTROL BLANKET AND COIR FIBER ROLLS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	1A



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	1A3

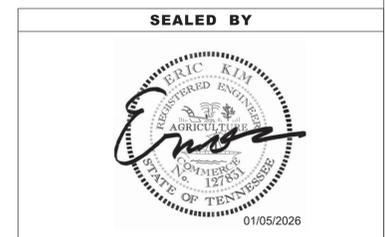
STANDARD STRUCTURE DRAWINGS

DWG.	REV.	DESCRIPTION
LRFD BOX CULVERTS		
STD-17-1		INDEX OF DRAWINGS
STD-17-2		TERMINOLOGY OF DRAWINGS
STD-17-3		GENERAL NOTES
STD-17-4		DESIGN SECTION LIMITS
STD-17-5		TYPICAL SECTIONS AND DETAILS
STD-17-6		TYPICAL ELEVATION
STD-17-7		CURB, RAIL & EDGE BEAM DETAILS - SKEW NOT LESS THAN 45 DEG.
STD-17-8		EDGE BEAM DETAILS FOR FILLS GREATER THAN 3' - 6"
STD-17-9		INTERIOR WALL END TREATMENTS
STD-17-10		TYPICAL WINGWALL DETAILS AND NOTES
STD-17-11		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-12		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-13		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-14		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-15		WINGWALL AND SPECIAL RETAINING WALL DESIGN SECTIONS
STD-17-16		WINGWALL DESIGN SECTION
STD-17-17	06-01-11	BACKFILL AND DRAINAGE DETAILS
STD-17-18		BACKFILL DETAILS
STD-17-20		LOW FLOW CHANNEL CONSTRUCTION DETAILS FOR CULVERT INLET AND OUTLET
STD-17-23		SIDEWALK AND MISCELLANEOUS DETAILS
STD-17-24		WARPED SLOPE DETAILS
STD-17-28		END SECTION DETAILS
STD-17-29		PRECAST BOX CULVERT DETAILS
STD-17-74		BOX BRIDGE, 2 BARRELS AT 10', CLEAR HTS. 4' - 6', 0 - 60' FILL

STANDARD TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION
SIGNS		
T-S-9	06-10-14	STANDARD LAYOUT – GROUND MOUNTED SIGNS
T-S-10	04-04-12	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS, ALUMINUM-STEEL DESIGN
T-S-16	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-16A	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-17	07-11-17	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-19	06-12-20	STANDARD STEEL SIGN SUPPORTS
T-S-23A	07-11-17	MULTI-DIRECTIONAL SLIP BASE BREAKAWAY P-POST SIGN SUPPORT
T-S-23C	07-30-25	BREAKAWAY POST SIGN SUPPORTS
DESIGN - TRAFFIC CONTROL		
T-M-1	06-28-19	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	01-09-24	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	07-07-23	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS
T-M-4	07-17-20	STANDARD INTERSECTION PAVEMENT MARKINGS
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-PCB1	12-09-22	10 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB2	12-09-22	20 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB2A	12-09-22	20 FOOT PORTABLE CONCRETE BARRIER RAIL STIFFENER TUBE
T-WZ-PCB3	01-28-22	PORTABLE CONCRETE BARRIER RAIL DETAILS
T-WZ-PCB4	12-09-22	PORTABLE CONCRETE BARRIER RAIL ANCHOR PIN DETAILS

1/5/2026 10:03:06 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\001A3.sht



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**STANDARD
STRUCTURE AND
TRAFFIC DESIGN
DRAWINGS**

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	1B
PS&E	2026	01952-3502-04	1B

PROJECT COMMITMENTS

COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STATION / LOCATION
EDHS001	ENVIRONMENTAL DIVISION, HISTORIC	TDOT AND THE TENNESSEE HISTORICAL COMMISSION HAVE AGREED TO MITIGATION TO RESOLVE THE PROJECT'S ADVERSE AFFECT ON THE NORRIS HISTORIC DISTRICT AND THE NORRIS FREEWAY. THIS MITIGATION WILL BE IN THE FORM OF A REPORT INCLUDING A WRITTEN CONTEXT FOR THE NORRIS FREEWAY, DOCUMENTATION OF CHANGES (HISTORIC AND RECENT), PHOTOGRAPHS WHICH DOCUMENT THE ROAD AND SETTING (KEYED TO A MAP WITH LOCATION AND DIRECTION), AND A NATIONAL REGISTER OF HISTORIC PLACES ELIGIBILITY ASSESSMENT FOR THE NORRIS FREEWAY INCLUDING BOUNDARIES.	PROJECT LIMITS

1/5/2026 10:04:44 AM
L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\001B.sht

SEALED BY



01/05/2026

**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**PROJECT
COMMITMENTS**

1/5/2026 10:04:50 AM
 L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\002.sht

ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY 01952-3502-04
(1)	105-01 CONSTRUCTION STAKES, LINES AND GRADES	LS	1
(2)	201-01 CLEARING AND GRUBBING	LS	1
	202-02.01 REMOVAL OF PIPE (24" CMP, STA 53+30 SAWMILL RD.)	L.F.	79
	202-02.02 REMOVAL OF PIPE (12" CMP, STA 45+47 SAWMILL RD.)	L.F.	29
	202-02.03 REMOVAL OF PIPE (12" CMP, STA 52+95 SAWMILL RD.)	L.F.	21
(3)(4)(5)(6)	203-01 ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	32348
(4)	203-02.01 BORROW EXCAVATION (GRADED SOLID ROCK)	TON	6330
(4)(7)	203-03 BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	14765
	203-04 PLACING AND SPREADING TOPSOIL	C.Y.	2184
	203-06 WATER	M.G.	373
	203-07 FURNISHING & SPREADING TOPSOIL	C.Y.	176
	203-08 CHANNEL EXCAVATION (UNCLASSIFIED)	C.Y.	100
(8)	203-20.01 CHANNEL SUBSTRATE	C.Y.	165
	204-01 CULVERT EXCAVATION (UNCLASSIFIED)	C.Y.	335
	204-08 FOUNDATION FILL MATERIAL	C.Y.	55
(9)	208-01.05 BROOMING & DEGRASSING SHOULDERS	L.M.	0.4
(10)(11)	209-02.07 18" TEMPORARY SLOPE DRAIN	L.F.	136
(10)(11)	209-03.31 STREAM MITIGATION-COCONUT FIBER ROLLS	L.F.	593
(10)(11)	209-05 SEDIMENT REMOVAL	C.Y.	165
(10)(11)(12)	209-08.02 TEMPORARY SILT FENCE (WITH BACKING)	L.F.	2590
(10)(11)	209-08.03 TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	1180
(10)(11)	209-08.07 ROCK CHECK DAM	EACH	31
(10)(11)	209-08.08 ENHANCED ROCK CHECK DAM	EACH	21
(10)(11)	209-09.03 SEDIMENT FILTER BAG (15' X 15')	EACH	4
(10)(11)	209-65.03 TEMPORARY DIVERSION CHANNEL	L.F.	818
(10)(11)	209-65.04 TEMPORARY IN STREAM DIVERSION	L.F.	170
(13)	303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	4222
(14)	303-01.01 GRANULAR BACKFILL (ROADWAY)	TON	1635
(15)	303-10.01 MINERAL AGGREGATE (SIZE 57)	TON	116
(16)	307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	789
(17)	307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	517
(18)	402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	8
(19)(20)	402-02 AGGREGATE FOR COVER MATERIAL (PC)	TON	24
(21)	403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	5
(22)	411-01.10 ACS MIX(PG64-22) GRADING D	TON	637
(23)	415-01.01 COLD PLANING BITUMINOUS PAVEMENT	TON	188
(24)	604-01.01 CLASS A CONCRETE (ROADWAY)	C.Y.	277
(25)	604-01.02 STEEL BAR REINFORCEMENT (ROADWAY)	LB.	41184
(26)	607-05.02 24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	132
(26)	607-39.02 18" PIPE CULVERT (SIDE DRAIN)	L.F.	80
(27)	611-07.01 CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	6
(28)	611-07.02 STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	210
	611-07.31 18IN ENDWALL (SIDE DRAIN)	EACH	3
	611-07.32 24IN ENDWALL (SIDE DRAIN)	EACH	1
	611-07.58 24IN ENDWALL (CROSS DRAIN) 4:1	EACH	1
	611-60.10 CATCH BASINS, 60IN ROUND, > 4' - 8' DEPTH	EACH	2
	611-62.01 MANHOLE STRUCTURE, 48IN ROUND, > 4'-8' DEPTH	EACH	1
	621-03.03 24" TEMPORARY DRAINAGE PIPE	L.F.	275
	705-01.04 METAL BEAM GUARD FENCE	L.F.	54
	705-06.01 W BEAM GR (TYPE 2) MASH TL3	L.F.	1931
	705-06.11 GR TERMINAL (IN-INLINE) MASH TL3	EACH	7
	705-06.30 GR TERMINAL (ENERGY ABSORBING) MASH TL2	EACH	3
	706-06.03 RADIUS RAIL	L.F.	329
	706-10.26 ROUNDED END ELEMENT	EACH	7
	707-08.11 HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	678
(10)(11)(29)	709-05.05 MACHINED RIP-RAP (CLASS A-3)	TON	150
(30)	709-05.06 MACHINED RIP-RAP (CLASS A-1)	TON	1218
(31)	709-05.08 MACHINED RIP-RAP (CLASS B)	TON	56
(32)	709-05.09 MACHINED RIP-RAP (CLASS C)	TON	345
	709-05.10 MACHINED RIP-RAP (GROUTED)	C.Y.	329
	712-01 TRAFFIC CONTROL	LS	1

ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY 01952-3502-04
(33)	712-02.12 PORTABLE BARRIER RAIL, REDUCED DEFLECTION (MASH TL-3)	L.F.	400
(33)(34)	712-02.60 TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	6
(33)	712-04.01 FLEXIBLE DRUMS (CHANNELIZING)	EACH	156
	712-04.50 BARRIER RAIL DELINEATOR	EACH	20
	712-05.01 WARNING LIGHTS (TYPE A)	EACH	79
(35)	712-06 SIGNS (CONSTRUCTION)	S.F.	1627
	712-07.03 TEMPORARY BARRICADES (TYPE III)	L.F.	216
	712-09.04 REMOVABLE PAVEMENT MARKING (STOP LINE)	L.F.	21
	712-09.08 REMOVABLE PAVEMENT MARKING (6" line)	L.F.	1
	713-05 STEEL HOLLOW SQUARE POST (BREAKAWAY) SIGN SUPPORTS	LB.	458
	713-11.02 PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	460
	713-11.21 P POST SLIP BASE	EACH	11
(36)	713-13.02 FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	94
(37)	716-02.05 PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	50
(37)	716-04.04 PLASTIC PAVEMENT MARKING (TRANSVERSE SHOULDER)	L.F.	235
	716-05.20 PAINTED PAVEMENT MARKING (6" LINE)	L.M.	0.4
(38)	716-12.02 ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	0.9
	717-01 MOBILIZATION	LS	1
(39)	730-40.02 TEMPORARY TRAFFIC SIGNAL SYSTEM	LS	1
(10)(11)(40)	740-10.03 GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	3356
	740-10.04 GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	4109
	740-11.02 TEMPORARY SEDIMENT TUBE 12IN	L.F.	1426
(10)(11)	801-01.07 TEMPORARY SEEDING (WITH MULCH)	UNIT	100
(41)	801-01.38 NATVE SEED MX FINAL STABLIZATN OF SLOPES	UNIT	42
(10)(11)(42)	801-02 SEEDING (WITHOUT MULCH)	UNIT	108
(43)	801-03 WATER (SEEDING & SODDING)	M.G.	10
(10)(11)(44)	805-12.02 EROSION CONTROL BLANKET (TYPE II)	S.Y.	10869

SEE SHEET 2-1 FOR FOOTNOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	2A
PS&E	2026	01952-3502-04	2

REV. 09/13/24: ADDED ITEM NO. 607-05.02 AND 611-63.01; DELETED ITEM 607-39.03 AND 611-42.02; REVISED ITEMS 607-39.02.
 REV. 09/13/24: REVISED ITEMS 203-01 AND 203-03.

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

SEALED BY



**STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION**

**ESTIMATED
 ROADWAY
 QUANTITIES**

1/5/2026 10:05:12 AM
 L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\1002-1.sht

FOOTNOTES

- (1) INCLUDES THE FURNISHING, SETTING, MAINTAINING, AND RESETTING, WHEN NECESSARY, THE STAKES, AND FOR PROVIDING ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS TO COMPLETE THE WORK AS SPECIFIED.
- (2) INCLUDES 5 ACRES ALONG NEW SIA ROAD ALIGNMENT.
- (3) INCLUDES 3980 CY FOR SIDE ROADS, 1217 CY FOR DRIVEWAYS, 694 CY FOR TEMPORARY BERMS, AND 24 CY TEMPORARY CONSTRUCTION EXITS, AND 9795 CY FOR REMOVAL OF UNSUITABLE MATERIAL.
- (4) SEE GRADING SPECIAL NOTES ON SHEET 2D.
- (5) INCLUDES THE COST OF GUARDRAIL TERMINAL EARTH PADS.
- (6) UNSUITABLE MATERIAL IS TO BE HAULED OFF SITE AND IS NOT TO BE USED AS FILL.
- (7) INCLUDES 60 CY FOR SIDE ROADS AND 51 CY FOR PERMANENT EARTH BERM.
- (8) TO BE USED FOR EMBEDMENT BACKFILL MATERIAL.
- (9) INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK
- (10) ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE TDOT MANAGER. SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.
- (11) QUANTITY TO BE USED AS DIRECTED BY THE TDOT MANAGER.
- (12) INCLUDES 180 LF FOR SEDIMENT FILTER BAGS AND 468 LF FOR BUFFER ALTERNATIVE.
- (13) INCLUDES 480 TONS FOR SIDE ROADS, 243 TONS FOR DRIVEWAYS, AND 220 TONS FOR STONE SHOULDER.
- (14) INCLUDES 90 C.Y. FOR WINGWALLS.
- (15) INCLUDES 46 TONS FOR SEDIMENT FILTER BAGS AND 70 TONS FOR TEMPORARY CULVERT CROSSINGS.
- (16) INCLUDES 144 TONS FOR SIDE ROADS.
- (17) INCLUDES 83 TONS FOR SIDE ROADS.
- (18) INCLUDES 2 TONS FOR SIDE ROADS AND 1 TON FOR DRIVEWAYS.
- (19) INCLUDES 4 TONS FOR SIDE ROADS.
- (20) ITEM TO BE USED AS DIRECTED BY THE ENGINEER.
- (21) INCLUDES 3 TONS FOR SIDE ROADS.
- (22) INCLUDES 240 TONS FOR SIDE ROADS AND 77 TONS FOR DRIVEWAYS.
- (23) INCLUDES 157 TONS FOR SR-71 AND 34 TONS FOR SAWMILL RD.
- (24) INCLUDES 1 C.Y. FOR EDGE BEAM AND 19 C.Y. FOR WINGWALLS.
- (25) INCLUDES 823 LBS FOR EDGE BEAM AND 1614 LBS FOR WINGWALLS.
- (26) 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.
- (27) INCLUDES 4 C.Y. FOR STRAIGHT ENDWALLS.
- (28) INCLUDES 140 LB. FOR STRAIGHT ENDWALLS.
- (29) TO BE USED FOR TEMPORARY CONSTRUCTION EXITS.
- (30) INCLUDES 232 TONS FOR SPECIAL DITCHES AND 1024 TONS FOR EPSC.
- (31) TO BE USED FOR SPECIAL DITCHES.
- (32) INCLUDES 127 TONS FOR BOX CULVERT AT SIA RD. STA. 356+12.24 AND 218 TONS FOR EPSC BOX BRIDGE AT SAWMILL RD. STA. 54+10.55.
- (33) QUANTITIES MAY BE INCREASED OR DECREASED BY THE TDOT MANAGER.
- (34) THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF AASHTO MASH FOR TEST LEVEL 3. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURER'S DRAWING.
- (35) SEE SHEET T2 FOR SIGN TABULATED QUANTITIES. THE CONSTRUCTION SIGNING IS TO BE A MINIMUM. OTHER SIGNS MAY BE REQUIRED AS DIRECTED BY THE TDOT MANAGER.
- (36) SEE SHEETS 18 & 18A FOR SIGN SCHEDULE.
- (37) CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.
- (38) CONTRACTOR SHALL USE THE EXTENDED OR RIBBON METHOD FOR APPLICATION.
- (39) INCLUDES THE COST OF 3 RESIDENTIAL DRIVEWAY SIGNAL DEVICES WHICH INCLUDES ALL EQUIPMENT, MATERIAL, HARDWARE, AND INTERCONNECTS NEEDED TO COMMUNICATE WITH THE PRIMARY SIGNAL.
- (40) INCLUDES 258 SY FOR TEMPORARY CONSTRUCTION EXITS, 248 SY FOR SEDIMENT FILTER BAGS, AND 264 SY FOR TEMPORARY DIVERSION CHANNEL.

FOOTNOTES

- (41) PERMANENT STABILIZATION WITH NATIVE OR NATURALIZED PERENNIAL VEGETATION IS REQUIRED IN ALL AREAS AUTHORIZED FOR TEMPORARY AND PERMANENT IMPACTS TO STREAMS AND RIPARIAN AREAS, INCLUDING ADJACENT BUFFER ZONES WITHIN 60 FEET OF THE EDGE OF WATER. THE APPROPRIATE SEED MIXTURE FOR THE REGION AND SITE CONDITIONS SHALL BE SELECTED FROM TABLE 7.9-1 (PREFERRED SEED MIXES USING NATIVES OR NATURALIZED PLANTS AND PLANTING DATES) FOUND IN CHAPTER 7.9 (PERMANENT VEGETATION) OF THE TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) TENNESSEE EROSION & SEDIMENT CONTROL HANDBOOK 4TH EDITION.
- (42) 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.
- (43) INCLUDES 10 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.
- (44) MONOFILAMENT EROSION CONTROL BLANKETS MAY NOT BE USED WITHIN 30 FEET OF TOP OF BANK.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	2-1

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

SEALED BY



**STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION**

**ESTIMATED
 ROADWAY
 QUANTITIES**

ESTIMATED BOX BRIDGE QUANTITIES

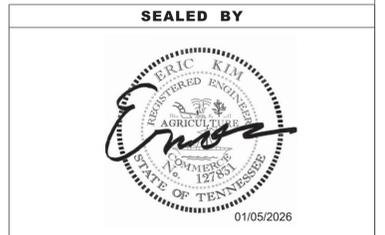
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
			01952-3502-04
(1)	204-01 CULVERT EXCAVATION (UNCLASSIFIED)	C.Y.	630
(1)	204-08 FOUNDATION FILL MATERIAL	C.Y.	60
(1)	303-01.01 GRANULAR BACKFILL (ROADWAY)	TON	656
(1)(2)	604-02.01 CLASS A CONCRETE (BOX BRIDGES)	C.Y.	242
(1)(2)	604-02.02 STEEL BAR REINFORCEMENT (BOX BRIDGES)	LB.	44390

- (1) SEE TABULATION ON SHEET 2F2 FOR MORE INFORMATION.
- (2) INCLUDES 3 C.Y. OF CONCRETE AND 1675 LBS OF STEEL FOR EDGE BEAMS.
INCLUDES 18 C.Y. OF CONCRETE AND 1462 LBS OF STEEL FOR WING WALLS.

NOTE: 6" PERFORATED PIPE TO BE INCLUDED IN THE COST OF OTHER ITEMS. SEE STANDARD DRAWING STD-17-17.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	2A

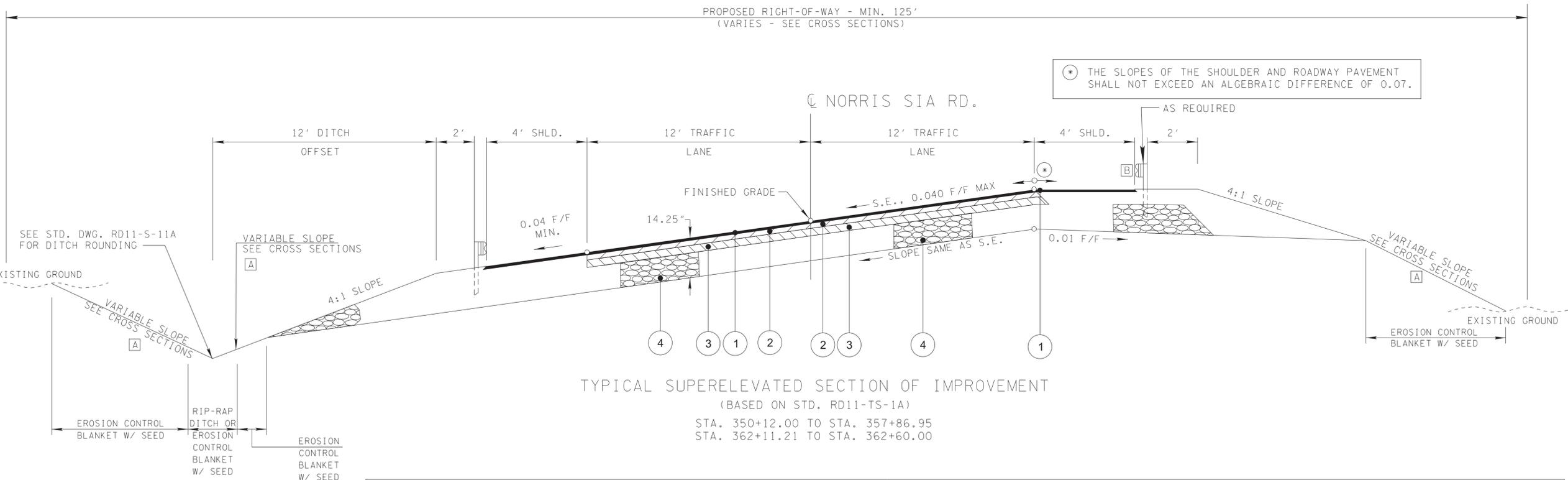
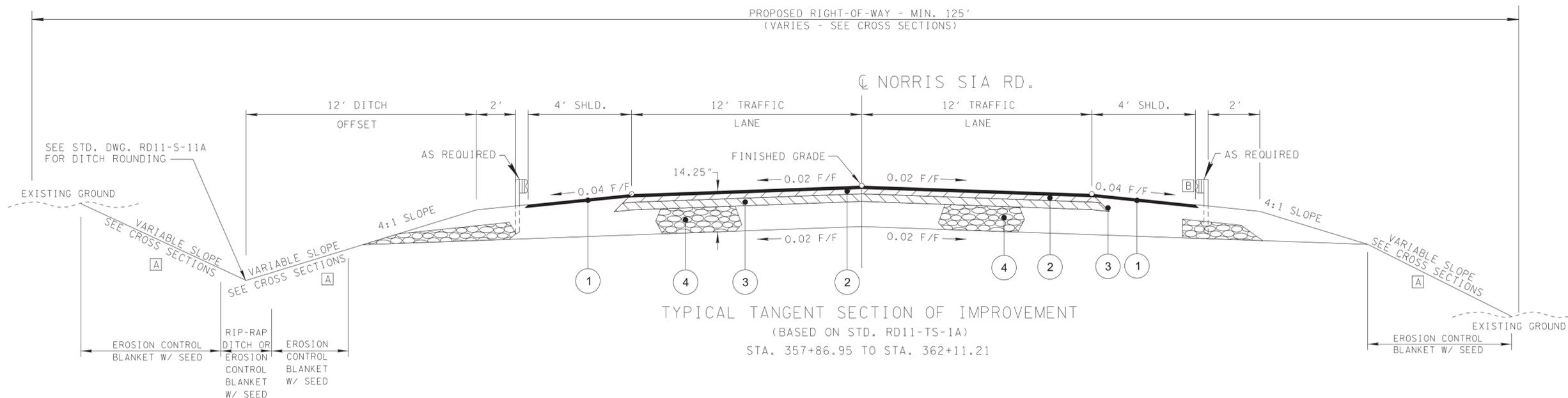
1/5/2026 10:05:29 AM
L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\002A.sht



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**ESTIMATED
BOX BRIDGE
QUANTITIES**

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	2B
PS&E	2026	01952-3502-04	2B



PROPOSED PAVEMENT SCHEDULE

<p>1 ASPHALT CONCRETE SURFACE (HOT MIX)</p> <p>411-01.10 ASPHALTIC CONCRETE MIX (PG64-22) GRADING "D" @ 1.25"+ THICK (APPROX. 132.5 LB./S.Y.)</p> <p>403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (SEE SECTION 403-05 OF THE STANDARD SPECIFICATIONS FOR DETERMINING APPLICATION RATE IN THE FIELD)</p>	<p>2 BITUMINOUS PLANT MIX BASE (HOT MIX)</p> <p>307-01.08 ASPHALT CONCRETE MIX (PG64-22) GRADING "B-M2" @ 2.00"+ THICK (APPROX. 226.0 LB./S.Y.)</p> <p>403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (SEE SECTION 403-05 OF THE STANDARD SPECIFICATIONS FOR DETERMINING APPLICATION RATE IN THE FIELD)</p>
<p>3 BITUMINOUS PLANT MIX BASE (HOT MIX)</p> <p>307-01.01 ASPHALT CONCRETE MIX (PG64-22) GRADING "A" @ 3.00"+ THICK APPROX. (345 LB./S.Y.)</p> <p>402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) RATE (0.30 - 0.35 GAL./S.Y.)</p> <p>402-02 AGGREGATE FOR COVER MATERIAL (PC) RATE (8 - 12 LB./S.Y.)</p>	<p>4 MINERAL AGGREGATE BASE (ROADWAY) AND FULL DEPTH (SHOULDERS)</p> <p>303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D" @ 8.00"+ THICK (ROADWAY) & FULL DEPTH (SHOULDERS)</p> <p>5 COLD PLANE @ 1.25" + THICK</p> <p>415-01.01 COLD PLANING BITUMINOUS PAVEMENT</p>

- [A] SEE STANDARD DRAWINGS RD11-S-11 AND RD11-S11B FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES AND TOE OF FILL SLOPES, SPECIAL ROCK TREATMENT AND SUBGRADE ROUNDING, IF APPLICABLE.
- [B] SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.

SEALED BY

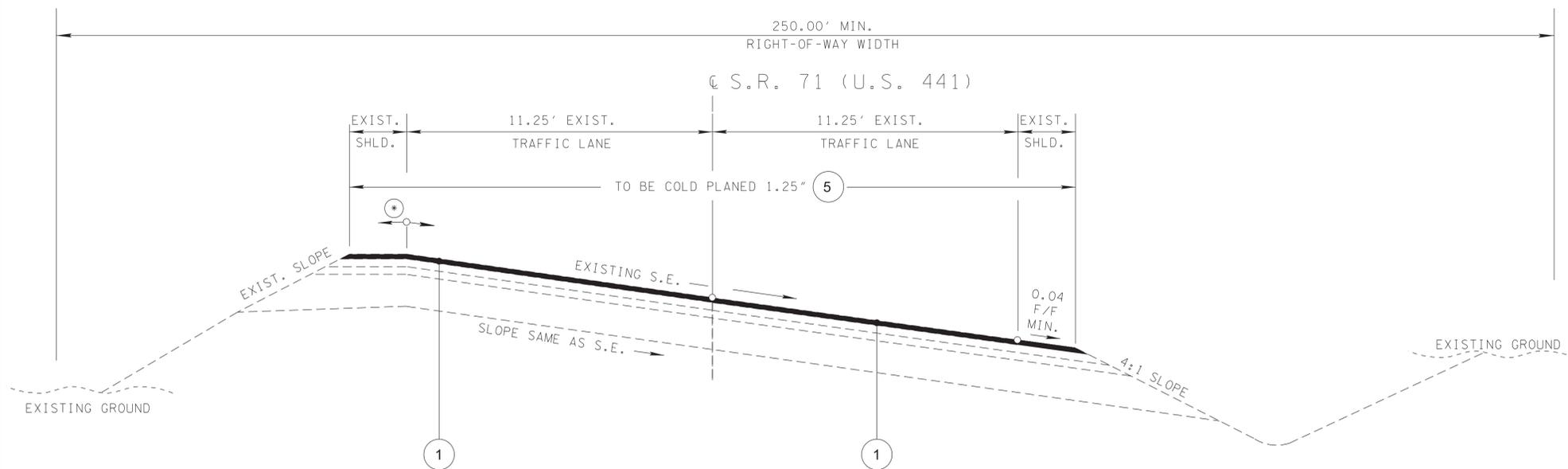


01/05/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

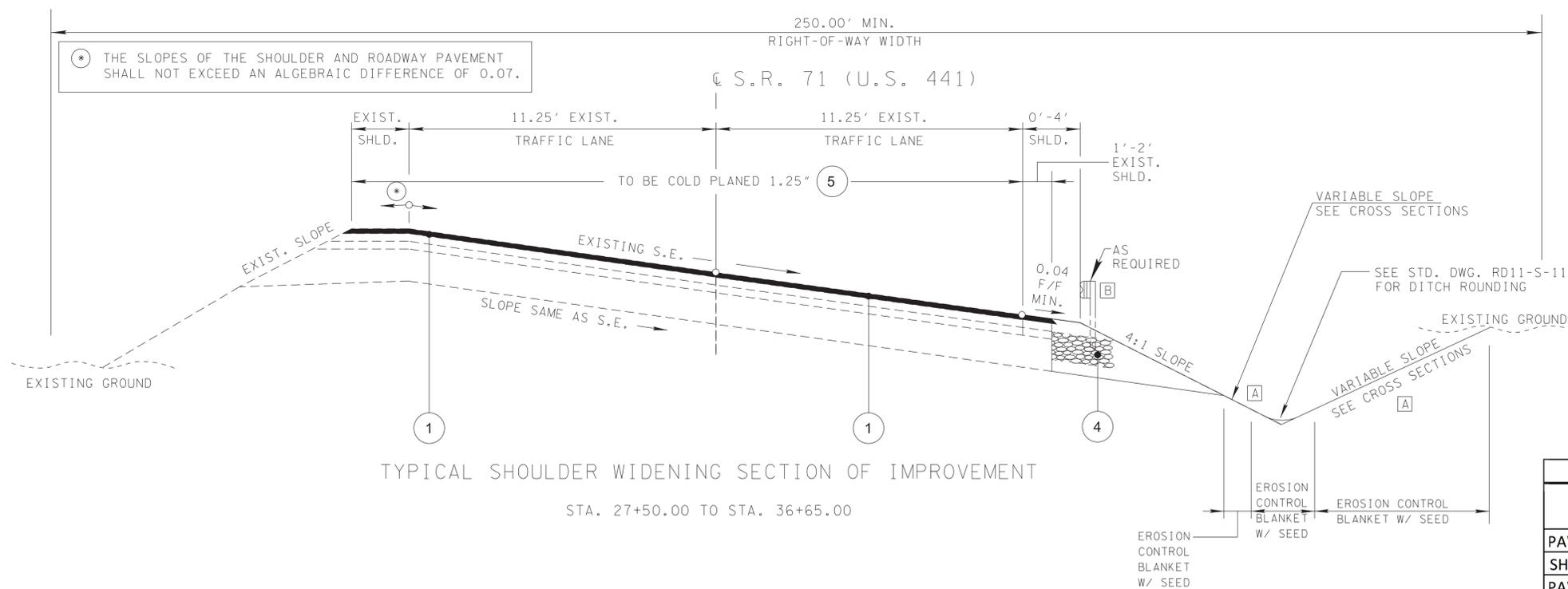
TYPICAL
SECTIONS AND
PAVEMENT
SCHEDULE

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	2B1
PS&E	2026	01952-3502-04	2B1



TYPICAL RESURFACING SECTION OF IMPROVEMENT

STA. 36+65.00 TO STA. 37+00.00



TYPICAL SHOULDER WIDENING SECTION OF IMPROVEMENT

STA. 27+50.00 TO STA. 36+65.00

* THE SLOPES OF THE SHOULDER AND ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07.

[A] SEE STANDARD DRAWINGS RD11-S-11 AND RD11-S11B FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES AND TOE OF FILL SLOPES, SPECIAL ROCK TREATMENT AND SUBGRADE ROUNDING, IF APPLICABLE.

[B] SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.

PAVEMENT AND SHOULDER TRANSITIONS - SR 71					
TYPE	BEGIN STA.	END STA.	BEGIN OFFSET	END OFFSET	LENGTH
PAVEMENT	27+50.00	28+00.00	12.02	11.00	50.00
SHOULDER	27+50.00	28+00.00	12.02	15.00	50.00
PAVEMENT	28+00.00	33+00.00	11.00	11.00	500.00
SHOULDER	28+00.00	33+00.00	15.00	15.00	500.00
*** SIA RD INTERSECTION ***					
PAVEMENT	35+00.00	35+50.00	11.67	12.08	50.00
SHOULDER	35+00.00	35+50.00	15.75	16.08	50.00
PAVEMENT	35+50.00	36+00.00	12.08	11.91	50.00
SHOULDER	35+50.00	36+00.00	16.08	15.25	50.00
PAVEMENT	36+00.00	36+50.00	11.91	10.44	50.00
SHOULDER	36+00.00	36+50.00	15.25	12.02	50.00
PAVEMENT	36+50.00	37+00.00	10.44	10.68	50.00
SHOULDER	36+50.00	37+00.00	12.02	10.68	50.00

SEALED BY



01/05/2026

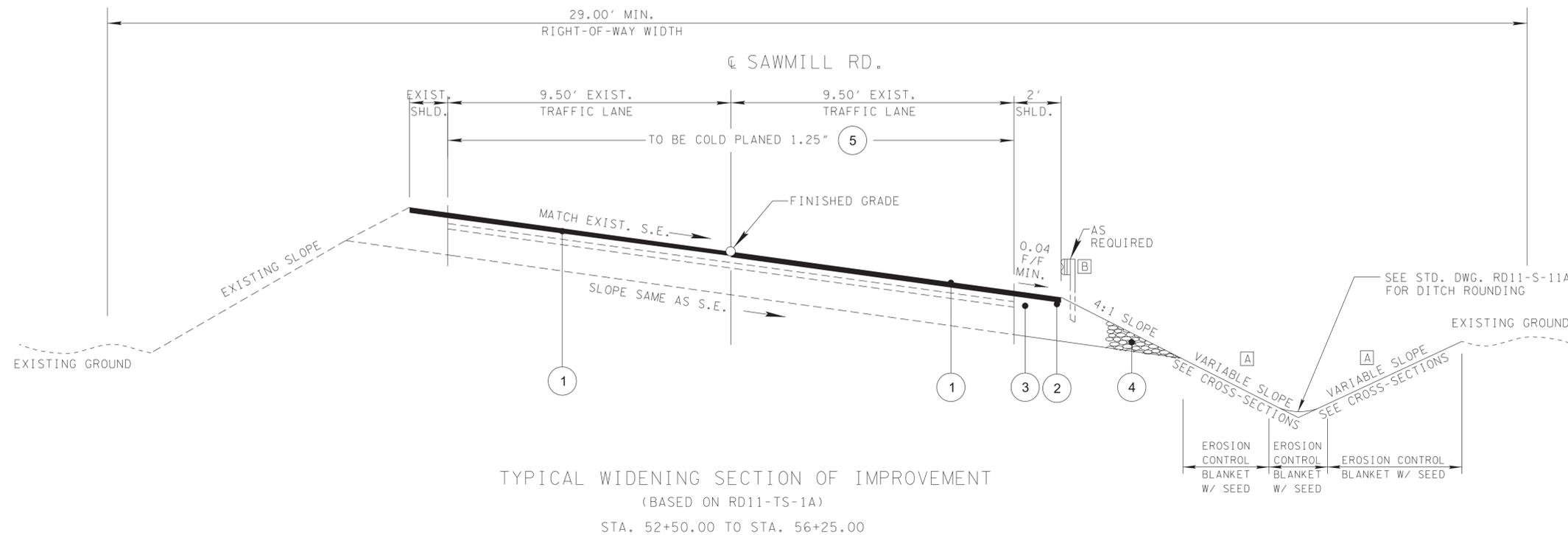
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL
SECTIONS

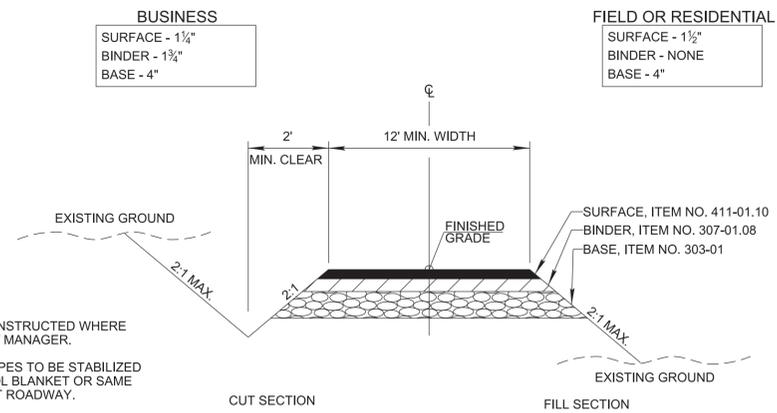
SEE SHEET NO. 2B FOR PAVEMENT SCHEDULE

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	2B1
PS&E	2026	01952-3502-04	2B2

⊙ THE SLOPES OF THE SHOULDER AND ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 0.07.



PAVEMENT AND SHOULDER TRANSITIONS - SAWMILL ROAD					
TYPE	BEGIN STA.	END STA.	BEGIN OFFSET	END OFFSET	LENGTH
PAVEMENT	52+50.00	52+51.46	9.54	9.50	1.46
PAVEMENT	52+51.46	56+25.00	9.50	9.50	373.54
SHOULDER	52+51.46	56+25.00	11.50	11.50	373.54
PAVEMENT	52+50.00	52+51.42	-9.90	-10.06	1.42
PAVEMENT	52+51.42	52+68.48	-10.05	-9.50	17.06
PAVEMENT	52+68.48	53+00.92	-9.50	-9.50	32.44
*** SIA RD INTERSECTION ***					
PAVEMENT	54+38.83	54+40.81	-9.55	-9.50	1.98
SHOULDER	54+38.83	54+40.81	-13.61	-13.50	1.98
PAVEMENT	54+40.81	54+53.32	-9.50	-9.50	12.51
SHOULDER	54+40.81	54+59.51	-13.50	-13.50	18.70



NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE TDOT MANAGER.
NOTE 2: DRIVEWAY SLOPES TO BE STABILIZED WITH EROSION CONTROL BLANKET OR SAME MATERIAL AS ADJACENT ROADWAY.

TYPICAL SECTION
PRIVATE DRIVE TO BUSINESS, FIELD, OR RESIDENTIAL PROPERTY

STA. 351+47.29 (SIA RD., RT.) - 15' BUS. ENT.
STA. 352+40.00 (SIA RD., LT.) - 14' FIELD ENT.
STA. 360+00.00 (SIA RD., RT.) - 14' PVT. DRIVE
STA. 53+08.34 (SAWMILL RD., RT.) - 30' BUS. ENT.
STA. 53+19.85 (SAWMILL RD., LT.) - 14' FIELD ENT.
STA. 53+49.29 (SAWMILL RD., RT.) - 12' PVT. DRIVE
STA. 54+66.53 (SAWMILL RD., LT.) - 20' PVT. DRIVE



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL
SECTIONS

SEE SHEET NO. 2B FOR PAVEMENT SCHEDULE

1/5/2026 10:05:46 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\002B2.sht

[A] SEE STANDARD DRAWINGS RD11-S-11 AND RD11-S11B FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES AND TOE OF FILL SLOPES, SPECIAL ROCK TREATMENT AND SUBGRADE ROUNDING, IF APPLICABLE.
[B] SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	2C

GENERAL NOTES

GRADING

- (1) ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- (2) CERTIFICATION FOR ALL BORROW PITS MUST BE OBTAINED IN ACCORDANCE WITH SUBSECTION 107.06 OF THE STANDARD SPECIFICATIONS.
- (3) THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL EITHER ON OR OFF STATE-OWNED R.O.W. IN A REGULATORY FLOOD WAY AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) WITHOUT APPROVAL BY FEMA. ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NON-WETLAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATERCOURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE OR LOCAL AGENCY.

SEEDING AND SODDING

- (4) SOD SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS TO PREVENT DAMAGE TO ADJACENT FACILITIES AND PROPERTY DUE TO EROSION ON ALL NEWLY GRADED CUT AND FILL SLOPES AS WORK PROGRESSES.
- (5) ITEM NO. 805-12.02, EROSION CONTROL BLANKET (TYPE III) SHALL BE USED ON SLOPES 3:1 OR STEEPER AND OTHER AREAS AS INDICATED IN THE PLANS THAT ARE INACCESSIBLE FOR MOWING.
- (6) 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) 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.
- (3) CULVERT EXCAVATION FOR CONCRETE BOX OR SLAB TYPE CULVERTS OR BRIDGES WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS.
- (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, NO INCREASE OR DECREASE IN THE AMOUNT OF PAYMENT WILL BE MADE DUE TO SUCH CHANGE.
- (6) DURING CONSTRUCTION OF DRAINAGE STRUCTURES ALL COST ASSOCIATED WITH MAINTAINING THE FLOW OF WATER AND TRAFFIC, AT THESE STRUCTURES, DURING THE PHASED CONSTRUCTION OF THIS PROJECT ARE TO BE INCLUDED IN THE UNIT PRICE OF THE DRAINAGE STRUCTURES AND TRAFFIC CONTROL ITEMS.

MISCELLANEOUS

- (1) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES AND POSTS WHERE AND AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED IN PRICE BID FOR OTHER CONSTRUCTION ITEMS.
- (2) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

- (1) 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 DAYS 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

- (2) 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.

- (3) THE CONTRACT WILL BE REQUIRED TO PEFORM THE FOLLOWING WORK:

- a. BROOMING & DEGRASSING SHOULDERS SHALL INCLUDE CLIPPING OF MATERIAL INTERFERING WITH PROPER DRAINAGE OF ROADWAY (INLCUDING 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.

SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

- (4) REMOVE EXISTING SNOWPLOWABLE MARKERS PRIOR TO PAVIGN 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. PATHC WORK SHALL BE INCLUDED WITH COST OF OTHER ITEMS OF CONSTRUCTION.

PAVEMENT

PAVING

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

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 LEST 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.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL
NOTES

GENERAL NOTES

SIGNING

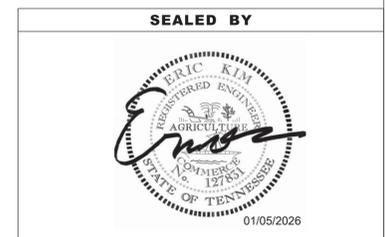
- (1) FOR ALL PERMANENT PANEL SIGNS WITH A SILVER-WHITE, YELLOW, RED, GREEN, BROWN, OR BLUE BACKGROUND, PROVIDE REFLECTIVE SHEETING THAT MEETS OR EXCEEDS AASHTO M268, TYPE D.
- (2) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE LENGTHS WERE COMPUTED FROM THE CROSS-SECTIONS CONTAINED IN THE CONSTRUCTION PLANS. IN THE EVEN THE SUPPORT LENGTHS ARE 2 FEET SHORTER OR LONGER THAN SHOWN ON THE PLANS, THE ENGINEER SHALL VERIFY THE SUPPORT TYPE WITH THE TRAFFIC DESIGN DIVISION, SIGNING SECTION, TELEPHONE NO. (615) 741-0802. THE CONTRACTOR SHALL VERIFY ALL SUPORT LENGTHS AT THE SITE PRIOR TO ORDERING MATERIAL.
- (3) THE TOP OF THE SIGN FOOTINGS SHALL BE PLACED LEVEL WITH THE GROUND LINE.
- (4) THE CONTRACTOR SHALL BE REQUIRED TO FUNISH LAYOUT DRAWINGS OF ALL EXTRUDED PANEL SIGNS WITH SPACING OF ALL LETTERS, NUMERALS, SHIELDS, AND ARROWS. ONE PDF SET OF THE LAYOUT DRAWINGS SHALL BE SENT TO THE TRAFFIC DESIGN DIVISION, SIGNING SECTION (TDOT.TRAFFICDESIGN.SIGNSANDMARKING@TN.GOV) FOR REVIEW. ONE SET OF THE LAYOUT DRAWINGS SHALL BE SENT TO THE REGIONAL SIGN DESIGNER FOR REVIEW.
- (5) THE EXISTING FOOTINGS ARE TO BE REMOVED 6 INCHES BELOW GROUND LINE.
- (6) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS.
- (7) 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.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	2C1

1/5/2026 10:06:19 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\002C1-GenNotes.sht



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**GENERAL
NOTES**

SPECIAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	2D

GRADING

- (1) THE GRADING TABULATIONS AND RESULTING EARTHWORK ASSOCIATED BID QUANTITIES WERE PREPARED UTILIZING AVAILABLE GEOTECHNICAL INFORMATION AND/OR REPORTS PREPARED FOR THIS PROJECT. THIS INFORMATION IS PROVIDED FOR GENERAL INFORMATION AND ESTIMATION GUIDANCE ONLY.
- (2) BORING DEPICTIONS SHOWN ON THE FOUNDATION DATA SHEETS, SOILS SHEETS, PLANS, AND CROSS-SECTIONS INDICATE SOIL AND ROCK CONDITIONS AT THE SPECIFIC BORING LOCATIONS. ANY SOIL PROFILE AND/OR ROCK LINE IS INTERPRETIVE BASED ON THE JUDGMENT OF THE GEOTECHNICAL ENGINEER/GEOLOGIST. THE TRANSITION BETWEEN BORINGS AND LAYERS MAY VARY SIGNIFICANTLY DEPENDING ON THE GEOLOGIC FORMATIONS ENCOUNTERED.
- (3) 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.
- (4) EARTHWORK IS PAID FOR UNDER ITEM 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.
- (5) WHERE APPLICABLE, CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL AND GRADE TO ORIGINAL GROUND BEFORE PLACING FILL.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL
NOTES

ENVIRONMENTAL NOTES

ENVIRONMENTAL GENERAL NOTES NATURAL RESOURCES

- (1) SOIL MATERIALS MUST BE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. EPSC MEASURES TO PROTECT NATURAL RESOURCES AND WATER QUALITY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. APPROPRIATE EPSC MEASURES MUST BE INSTALLED ALONG THE BASE OF ALL FILLS AND CUTS, ON THE DOWNHILL SIDE OF STOCKPILED SOIL, AND ALONG NATURAL RESOURCES IN CLEARED AREAS TO PREVENT SEDIMENT MIGRATION INTO STREAMS, WETLANDS, OR OTHER NATURAL FEATURES IN ACCORDANCE WITH TDOT STANDARDS. EPSC MEASURES SHALL BE INSTALLED ON THE CONTOUR, ENTRENCHED AND STAKED, AND EXTEND THE WIDTH OF THE AREA TO BE CLEARED.
- (2) NEW CHANNEL CONSTRUCTION SHALL BE COMPLETED IN THE DRY AND STABILIZED FOR AT LEAST 72 HOURS PRIOR TO DIVERTING WATER FROM THE EXISTING AND/OR TEMPORARY CHANNEL.
- (3) INSTREAM EPSC DEVICES REQUIRE THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION REVIEW AND MUST BE PROCESSED BY THE PERMITS SECTION TO OBTAIN WATER QUALITY PERMITS.
- (4) THE OPERATION OF EQUIPMENT IN WATERS OF THE STATE/U.S., INCLUDING WETLANDS AND EPHEMERAL, INTERMITTENT, AND PERENNIAL STREAMS, IS NOT ALLOWED.
- (5) THE WIDTH OF THE FILL ASSOCIATED WITH TEMPORARY CROSSINGS SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR THE ACTUAL CROSSING, NOT TO EXCEED THE WIDTH SPECIFIED IN THE STANDARD DRAWING.
- (6) STREAM BEDS SHALL NOT BE USED AS TRANSPORTATION ROUTES FOR CONSTRUCTION EQUIPMENT. TEMPORARY CULVERT CROSSINGS SHALL BE LIMITED TO ONE POINT PER STREAM AND EPSC MEASURES SHALL BE USED WHERE THE STREAM BANKS ARE DISTURBED. WHERE THE STREAMBED IS NOT COMPOSED OF BEDROCK, A PAD OF CLEAN ROCK SHALL BE USED AT THE CROSSING POINT AND CULVERTED TO PREVENT THE IMPOUNDMENT OF WATER FLOW. CLEAN ROCK IS ROCK OF VARIOUS TYPE AND SIZE, DEPENDING UPON APPLICATION, WHICH CONTAINS NO FINES, SOILS, OR OTHER WASTES OR CONTAMINANTS. OTHER MATERIALS USED FOR ALL TEMPORARY FILLS SHALL BE COMPLETELY REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED AND THE AFFECTED AREAS RETURNED TO PREEXISTING ELEVATIONS. ALL TEMPORARY CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DWG. EC-STR-25 UNLESS SPECIFICALLY ADDRESSED IN THE EPSC PLANS. ALTERNATIVELY, PLACING A TEMPORARY BRIDGE (E.G. BAILEY BRIDGE OR EQUIVALENT, TIMBERS, ETC.) FROM TOP OF BANK TO TOP OF BANK OR THE APPROPRIATE USE OF BARGES AT THE CROSSING TO AVOID DISTURBANCE OF THE STREAMBED IS AN ACCEPTABLE OPTION.
- (7) HEAVY EQUIPMENT WORKING IN WETLANDS WITH PERMITTED TEMPORARY IMPACTS SHALL BE PLACED ON MATS, OR OTHER MEASURES MUST BE TAKEN TO MINIMIZE SOIL DISTURBANCE AND COMPACTION UNLESS SPECIFICALLY ADDRESSED IN THE CONSTRUCTION PLANS. ANY MATS AND OTHER MEASURES USED FOR HEAVY EQUIPMENT SHALL BE REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED. ALL AFFECTED AREAS SHOULD BE RETURNED TO PRE-EXISTING CONDITIONS.
- (8) WETLANDS SHALL NOT BE USED AS EQUIPMENT STORAGE, STAGING, OR TRANSPORTATION AREAS, UNLESS SPECIFICALLY PROVIDED FOR IN THE CONSTRUCTION PLANS AND PERMITS.
- (9) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS PRIOR TO ANY CONSTRUCTION AND MAINTENANCE ACTIVITIES TO ENSURE THAT ENVIRONMENTAL FEATURES (E.G., STREAMS, WETLANDS, SPRINGS, ETC.) ARE NOT IMPACTED BEYOND PERMITTED LOCATIONS. IF THE CONTRACTOR OR TDOT INSPECTOR IS UNSURE OF THE IDENTITY OF AN ENVIRONMENTAL FEATURE, THE INSPECTOR SHALL CONTACT THE TDOT REGION ENVIRONMENTAL TECH GROUP IMMEDIATELY.

SPECIES

- (10) NO ACTIVITY MAY SUBSTANTIALLY DISRUPT THE MOVEMENT OF THOSE SPECIES OF AQUATIC LIFE INDIGENOUS TO THE WATER BODY, INCLUDING THOSE SPECIES THAT NORMALLY MIGRATE THROUGH THE AREA.
- (11) SHOULD CLIFF SWALLOW OR BARN SWALLOW NESTS, EGGS, OR BIRDS (YOUNG AND ADULTS) BE PRESENT, THE CONTRACTOR SHALL CONTACT THE REGIONAL ECOLOGY OFFICE TO DETERMINE IF SEASONAL RESTRICTIONS WILL BE NECESSARY. GENERALLY, BIRDS, NESTS, AND EGGS MAY NOT BE DISTURBED BETWEEN APRIL 15 AND JULY 31. FROM AUGUST 1 TO APRIL 14, NESTS CAN BE REMOVED OR DESTROYED SO LONG AS BIRDS OR EGGS ARE NOT PRESENT, AND MEASURES IMPLEMENTED TO PREVENT FUTURE NEST BUILDING AT THE SITE (I.E., CLOSING OFF AREA USING NETTING.)

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

PERMITS, PLANS & RECORDS

- (13) THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND OBTAIN ANY NECESSARY ENVIRONMENTAL PERMITS OR APPROVALS, INCLUDING BUT NOT LIMITED TO ARCHAEOLOGY, ECOLOGY, HISTORICAL, HAZARDOUS MATERIALS, AIR AND NOISE, TDEC ARAP/401, USACE SECTION 404, TVA SECTION 26A, AND TDEC NPDES PERMITS, FROM FEDERAL, STATE, AND/OR LOCAL AGENCIES REGARDING ANY MATERIAL AND STAGING AREAS AND THE OPERATION OF ANY PROJECT-DEDICATED ASPHALT AND/OR CONCRETE PLANSTS TO BE USED. ANY SUCH PERMITS SHALL BE SUPPLIED TO THE TDOT PROJECT RESPONSIBLE PARTY PRIOR TO USE OF THE PERMITTED AREA(S).
- (14) ANY DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, THE PROJECT AS CONSTRUCTED, AND THE PERMIT(S) ISSUED FOR THE PROJECT, SHALL BE BROUGHT TO THE ATTENTION OF THE TDOT PROJECT RESPONSIBLE PARTY. THE ENVIRONMENTAL DIVISION, DESIGN DIVISION, AND HEADQUARTERS CONSTRUCTION OFFICE SHALL BE CONTACTED IN THESE INSTANCES AND DECIDE WHICH HAS PRECEDENCE AND WHETHER PERMIT OR PLANS REVISIONS ARE NEEDED. IN GENERAL, PERMIT CONDITIONS WILL PREVAIL.
- (15) IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE TDOT PERMIT SECTION SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS ARE NEEDED. THE ROADWAY DESIGN DIVISION SHALL BE CONTACTED TO DETERMINE IF ANY PLAN REVISIONS ARE NEEDED.
- (16) THE CONTRACTOR SHALL REVIEW ALL EXISTING PERMITS TO ENSURE THAT WORK AT PERMITTED SITES DOES NOT EXCEED EXPIRATION DATE. IF WORK IS GOING TO BE CONTINUED AFTER EXPIRATION DATES, THE CONTRACTOR SHALL CONTACT THE TDOT PROJECT RESPONSIBLE PARTY TO COMMENCE PERMIT RENEWAL PROCESS.
- (17) ALL WATER QUALITY PERMITS SHALL BE POSTED NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE ACCESSIBLE TO THE PUBLIC. THE NAME, COMPANY NAME, EMAIL ADDRESS, TELEPHONE NUMBER, AND ADDRESS OF THE PROJECT SITE OWNER, OPERATOR, OR A LOCAL CONTACT PERSON WITH A BRIEF DESCRIPTION OF THE PROJECT SHALL ALSO BE POSTED. IF POSTING THIS INFORMATION NEAR A MAIN ENTRANCE IS INFEASIBLE, THE INFORMATION SHALL BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION NEAR WHERE THE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY. THIS LOCATION SHALL BE POSTED AT THE CONSTRUCTION SITE. ALL POSTINGS SHALL BE MAINTAINED IN LEGIBLE CONDITION.

SUPPORT ACTIVITIES

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

ENVIRONMENTAL

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

ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL

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

ECOLOGY

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

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

- (23) 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.

PROJECT COMMITMENTS

- (24) SEE PROJECT COMMITMENTS, SHEET 1B, FOR DETAILS RELATING TO SPECIAL ENVIRONMENTAL COMMITMENTS REQUIRED BY THIS PROJECT.

SCOPE OF WORK

- (1) THE SCOPE OF WORK FOR THE PROJECT INCLUDES THE GRADE, DRAIN, PAVE AND GUARDRAIL FOR A NEW NORTH-SOUTH INDUSTRIAL ACCESS ROAD ON NEW ALIGNMENT INTERSECTING SR 71 (US 441) EAST OF BETHEL ROAD AND WEST OF CROSS PIKE ON THE SOUTH END AND SAWMILL ROAD ON THE NORTH END. WORK SHALL BE PERFORMED TO LINES AND GRADES AS INDICATED ON THE PLAN, PROFILE, AND TYPICAL CROSS-SECTION SHEETS OR AS DIRECTED BY THE TDOT MANAGER.
- (2) THE REMOVAL OF UNSUITABLE MATERIAL TO ORIGINAL GROUND AS SHOWN IN THE CROSS SECTIONS AND AS DIRECTED BY THE TDOT MANAGER. UNSUITABLE MATERIAL IS TO BE HAULED OFF SITE AND IS NOT TO BE USED AS FILL.
- (3) THE CONSTRUCTION OF 176' OF 10' X 6' REINFORCED CONCRETE BOX CULVERT APPROXIMATELY 612 FEET NORTH OF THE INTERSECTION WITH SR 71. CULVERT WILL ENCAPSULATE STREAM 1 (BUFFALO CREEK) AND SHALL BE CONSTRUCTED TO THE GRADES SHOWN ON THE CULVERT CROSS SECTION SHEET.
- (4) THE CONSTRUCTION OF 115' OF A TWO-BARREL 10' X 4' BOX CULVERT THAT CROSSES THE NEW ALIGNMENT APPROXIMATELY 25 FEET SOUTH OF SAWMILL ROAD AND CROSSES SAWMILL ROAD NEAR THE INTERSECTION WITH THE NEW ALIGNMENT. CULVERT WILL ENCAPSULATE STREAM 1 (BUFFALO CREEK) AND SHALL BE CONSTRUCTED TO THE GRADES SHOWN ON THE CULVERT CROSS SECTION SHEET.
- (5) THE REGRADING OF THREE (3) ASPHALT DRIVEWAYS TO THE LINES AND GRADES AS INDICATED ON THE PLAN, PROFILE, AND TYPICAL CROSS-SECTION SHEETS AS DIRECTED BY THE TDOT MANAGER.
- (6) THE CONSTRUCTION OF ALL DITCHES, DRAINAGE STRUCTURES, GUARDRAIL, APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL DEVICES, SEEDING, SODDING, PAVEMENT MARKINGS, SIGNING, INSTALLATION OF TRAFFIC CONTROL DEVICES AND OTHER DESIGN FEATURES INDICATED ON THE PLANS OR AS DIRECTED BY THE TDOT MANAGER.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	2E
PS&E	2026	01952-3502-04	2E

SEALED BY



01/05/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL
NOTES

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY			
	EXC.	EMB.	EXC.	SHRINK = 5 % SWELL = 5 %			
MAINLINE	10413	30885	9893	EMB.	EXC.		
SR-71 (US-441)	3740	156	3553				
SAWMILL ROAD	240	14	228				
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES	3597	97	3418				
TEMPORARY CONSTRUCTION EXITS	0	0					
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)	0	0					
TOPSOIL (EMB.)	1001					31152	VS. -17091
TOPSOIL (EXC.)	1183					AVAILABLE =	14061
TOPSOIL TOTALS (SEE TOPSOIL TABLE)						BORROW MATERIAL =	14765
ROCK (C.Y.)		TOTALS (C.Y.)					
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC. (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)	
0	0	20174	31152	20174	17990	17091	

① UNSUITABLE MATERIAL ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)	BALANCE SUMMARY			
	EXC.	EMB.	EXC.	SHRINK = 5 % SWELL = 5 %			
MAINLINE	9795	0	9306	EXC.	EMB.		
SIDE ROADS	0	0					
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES	0	0					
INDEPENDENT DITCHES	0	0					
TEMPORARY CONSTRUCTION EXITS	0	0					
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)	0	0					
TOPSOIL (EMB.)	0					9306	VS. 0
TOPSOIL (EXC.)	0					AVAILABLE =	9306
TOPSOIL TOTALS (SEE TOPSOIL TABLE)						WASTE MATERIAL =	9772
ROCK (C.Y.)		TOTALS (C.Y.)					
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC. (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)	
0	0	9795	0	9795	9795	9306	

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	2F
PS&E	2026	01952-3502-04	2F

① UNSUITABLE MATERIAL IS TO BE HAULED OFF SITE AND IS NOT TO BE USED AS FILL.

PAVEMENT QUANTITIES

LOCATION (ROADWAY)	TYPE - GRADE - PAY ITEM (TON)						COLD PLANING BITUMINOUS PLANT MIX TON	
	MINERAL AGG.	BITUMINOUS PLANT MIX BASE (HOT MIX)		PRIME COAT		TACK COAT		ASPHALTIC CONCRETE SURFACE (HOT MIX)
	D	A	B-M2	402-01	402-02	403-01		D
	303-01	307-01.01	307-01.08	402-01	402-02	403-01	411-01.10	415-01.01
SIA RD.	3307	692	453	6	21	2	343	
SR 71	400					2	174	172
SAWMILL RD.	272	97	64	1	3	1	43	16
DRIVEWAYS	243			1			77	
TOTALS	4222	789	517	8	24	5	637	188

TOPSOIL

IF EXISTING TOPSOIL IS SUITABLE FOR REUSE							
PROPOSED SLOPE AREA S.F.	EXISTING TOPSOIL (EXC.)	EXISTING TOPSOIL (EMB.)	EXISTING TOPSOIL (TOTAL) C.Y.	REQUIRED TOPSOIL C.Y.	PLACING TOPSOIL 203-04 C.Y.	FURNISHED TOPSOIL 203-07 C.Y.	EXCESS TOPSOIL C.Y.
127439	1183	1001	2184	2360	2184	176	0

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE	STATIONS		GUARDRAIL						TERMINAL ANCHORS			REMARKS
					THREE BEAM BRIDGE TRAN. MASH TL-3 (20.65') 705-06.25 EACH	METAL BEAM GUARD FENCE 705-01.04 (L.F.)	W BEAM GR (TYPE 2) MASH TL3 705-06.01 (L.F.)	RADIUS RAIL 706-06.03 (L.F.)	ROUND END ELEMENT 706-10.26 (EACH)	GUARDRAIL REMOVED 706-01 (L.F.)	TYPE 12 VARIES 705-04.02 (EACH)	IN-LINE MASH TL3 705-06.11 (EACH)	TYPE 21 MASH TL2 (21.875') 705-06.30 (EACH)	
					FROM	TO								
4B	S.R. 71 (RADIUS)	X	34+37.34	34+92.86				67						
4B	S.R. 71	X	34+92.86	35+71.60			57						1	
4B	SIA RD. (RADIUS)	X	350+62.46	351+28.42				67						
4B	SIA RD.	X	351+28.42	352+19.61			88							
4B	SIA RD. (DRIVEWAY)	X	351+66.44	351+62.48			22		1					
4B	SIA RD. (DRIVEWAY)	X	351+62.48	351+75.56				23			1			
4B	SIA RD.	X	351+75.56	359+00.00			701							
4B	SIA RD. (DRIVEWAY)	X	352+19.61	352+33.49				23			1			
4B	SIA RD. (DRIVEWAY)	X	352+33.49	352+38.93			25		1					
4B	SIA RD. (DRIVEWAY)	X	352+57.28	352+46.51			29		1					
4B	SIA RD. (DRIVEWAY)	X	352+46.51	352+60.46				23			1			
4B/5B	SIA RD.	X	352+60.46	359+13.89			651						1	
5B	SIA RD.	X	359+00.00	359+65.00			65							
5B	SIA RD. (DRIVEWAY)	X	359+65.00	359+80.00				24	1		1			
5B	SIA RD. (DRIVEWAY)	X	360+20.00	360+35.00				24	1		1			
5B	SIA RD.	X	360+36.00	361+86.80			151							
5B	SIA RD. (RADIUS)	X	361+86.80	362+04.29				18						
5B	SIA RD. (RADIUS)	X	362+04.29	362+24.63		22								
5B	SAWMILL RD. (DRIVEWAY)	X	53+14.65	53+22.36			14		1					
5B	SAWMILL RD. (DRIVEWAY)	X	53+22.36	53+30.17				12			1			
5B	SAWMILL RD. (RADIUS)	X	53+30.17	53+53.76				35						
5B	SAWMILL RD. (DRIVEWAY)	X	53+51.63	53+55.69			19		1					
5B	SAWMILL RD. (DRIVEWAY)	X	53+55.69	53+67.97				13			1			
5B	SAWMILL RD.	X	53+67.97	54+06.00			39							
5B	SAWMILL RD.	X	54+06.00	54+37.57		32								
5B	SAWMILL RD.	X	54+37.57	55+35.80			70						1	
TOTALS							54	1931	329	7		7	3	

SEALED BY



01/05/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED
QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	2F1
PS&E	2026	01952-3502-04	2F1

SPECIAL DITCHES

ROADWAY	STATION		SIDE	DETAIL NO.	CONFIGURATION			RIP-RAP CLASS A-1 709-05.06 (TON)	RIP-RAP CLASS B 709-05.08 (TON)	RIP-RAP (GROUTED) 709-05.10 (C.Y.)	SEEDING WITH MULCH 801-01 (UNITS)	SEEDING W/O MULCH 801-02 (UNITS)
	FROM	TO			FORE (H/V)	BOTTOM WIDTH (FT.)	BACK (H/V)					
	SR 71	28+25.00			33+23.90	RT						
SR 71	34+51.27	36+50.00	RT		4:1	0	2:1				1	
SIA RD.	350+23.21	351+28.09	RT		4:1	0	2:1				1	
SIA RD.	350+76.99	352+00.00	LT		4:1	0	2:1				1	
SIA RD.	352+00.00	352+50.00	LT		2:1	0	2:1		15			
SIA RD.	352+50.00	354+50.00	LT		2:1	0	2:1		104			
SIA RD.	352+00.00	352+50.00	RT		2:1	0	2:1					
SIA RD.	352+50.00	356+83.64	RT		2:1	0	2:1		225			
SIA RD.	356+00.00	358+50.00	LT		2:1	0	2:1		41			
SIA RD.	358+50.00	362+23.76	LT		4:1	0	2:1				1	
SAWMILL RD.	52+50.00	52+73.03	LT		2:1	0	2:1				1	
SAWMILL RD.	53+62.56	54+11.93	RT		2:1	0	2:1				1	
SAWMILL RD.	54+31.83	54+45.24	LT		2:1	0	2:1				1	
TOTALS								194	56	329		8

SIDE DRAIN TABULATION

STATION	LOCATION		DESCRIPTION	SURFACE WIDTH FT.	SKEW	RCP CLASS III OR CMP 16 GA OR PVC OR SRRTP OR HDPE OR PP (L.F.)						END TREATMENT				REMARKS				
	LT.	RT.				FILL HEIGHT ≤ 10 FT.						INLET		OUTLET						
						18"	24"	30"	36"	42"	48"	TYPE	DRAWING NO.	TYPE	DRAWING NO.					
351+47.29		X	TRACT 1, SIA RD.	15	82°	40														
54+66.53	X		TRACT 4, SAWMILL RD.	20	88°	40							SEW	D-SEW-1A	SEW	D-SEW-1A				SAWMILL RD.
TOTALS						80														

SIDE DRAIN ENDWALLS

LOCATION	DRIVE OR ENTRANCE STATION	OFFSET (FT.)	TYPE	STANDARD DRAWING NO.	SKEW	RIP-RAP CLASS xx 709-05.xx (TON)	CLASS A CONC. 611-07.01 (C.Y.)	STEEL BAR REINF. 611-07.02 (LB.)	ENDWALLS	
									18 IN. 6:1 611-07.31 (EACH)	24 IN. ① 6:1 611-07.32 (EACH)
SIA RD.	351+47.29	31.47	SEW	D-SEW-1A	82°				1	
SAWMILL RD.	53+08.34	17.37	SEW	D-SEW-1A	42°					1
SAWMILL RD.	53+26.93	-36.65	STR	D-PE-4	90°		2	60		
SAWMILL RD.	53+62.66	22.37	STR	D-PE-4	90°		2	60		
SAWMILL RD.	54+66.53	-25.21	SEW	D-SEW-1A	88°				1	
SAWMILL RD.	54+66.53	-16.92	SEW	D-SEW-1A	88°				1	
TOTALS							4	120	3	1

1. TO BE USED AS A STORM DRAINAGE ENDWALL ALONG SAWMILL ROAD (DRAINAGE CODE #5.)

STORM DRAINAGE PIPES

SHEET NO.	INLET		OUTLET		% GRADE	REINFORCED CONCRETE PIPE - CLASS, ITEM NO., SIZE & LENGTH (FT.)					REMARKS
	CODE NO.	OUTLET ELEV.	CODE NO.	INLET ELEV.		CLASS III 607-03.02 18"	CLASS III 607-05.02 24"	CLASS III 607-06.02 30"	CLASS III 607-07.02 36"	CLASS III 607-08.02 42"	
	5B	CB-E1	939.17	2		935.49	2.70%				
5B	2	935.28	3	935.25	0.86%		4'				
5B	3	935.04	4	933.62	2.84%		40'				
5B	5	939.44	6	934.33	9.12%		56'				
5B	6	934.12	7	933.84	0.88%		32'				
TOTALS							132'				

CATCH BASINS AND MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/ TOP ELEV.	INVERT ELEV.	DEPTH (FT.)	INSIDE DIM.	STANDARD DRAWING NO.	PAY ITEMS	
										TYPE 42 611-60.10 4'-8"	RMH 611-62.01 4'-8"
5B	SAWMILL RD.	52+95.68	-19.89	3	939.52	935.04	4.48	60	D-RS-1	1	
5B	SAWMILL RD.	52+94.18	-12.08	2	939.76	935.28	4.48	48	D-RMH-1		1
5B	SAWMILL RD.	53+31.00	20.4	6	938.6	934.12	4.48	60	D-RS-1	1	
TOTALS										2	1

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED
QUANTITIES

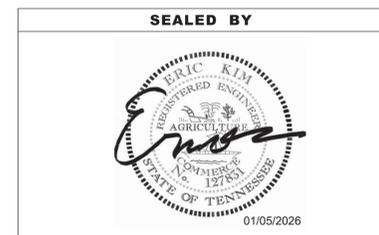
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	2F2

BOX CULVERT \ BRIDGE TABULATION

STATION	LOCATION	TYPE		SKEW	NO. BARRELS	WIDTH	HEIGHT	LENGTH	DRAINAGE AREA ACRES	STANDARD DRAWING NO.	CULVERT ≤ 20 FT.		BRIDGE > 20 FT.		STD. DWG. STD-17-17 & 18		RIP-RAP CLASS C 709-05.09 TON	CHANNEL EXC. 203-08 CU. YD.	CULVERT EXC. ▲ 204-01 CU. YD.
		BOX	SLAB								CLASS "A" CONCRETE 604-01.01 CU. YD.	STEEL BAR REINF. 604-01.02 LB.	CLASS "A" CONCRETE 604-02.01 CU. YD.	STEEL BAR REINF. 604-02.02 LB.	FOUNDATION 204-08 CU. YD.	GRANULAR BACKFILL 303-01.01 TONS			
356+12.24	SIA RD.	X		49°	1	10	6	176	166	STD-17-54	277	41184			55	1635	127		335
① 54+10.55	SAWMILL RD.	X		46°	2	10	4	115	151	STD-17-74			242	44390	60	656	218		630
TOTALS											277	41184	242	44390	115	2291	345		965

① THESE ITEMS ARE SHOWN IN THE ESTIMATED BOX BRIDGE QUANTITIES ON SHEET 2A.

1/5/2026 10:08:24 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\002F2.sht



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**TABULATED
QUANTITIES**

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	2G
PS&E	2026	01952-3502-04	2G

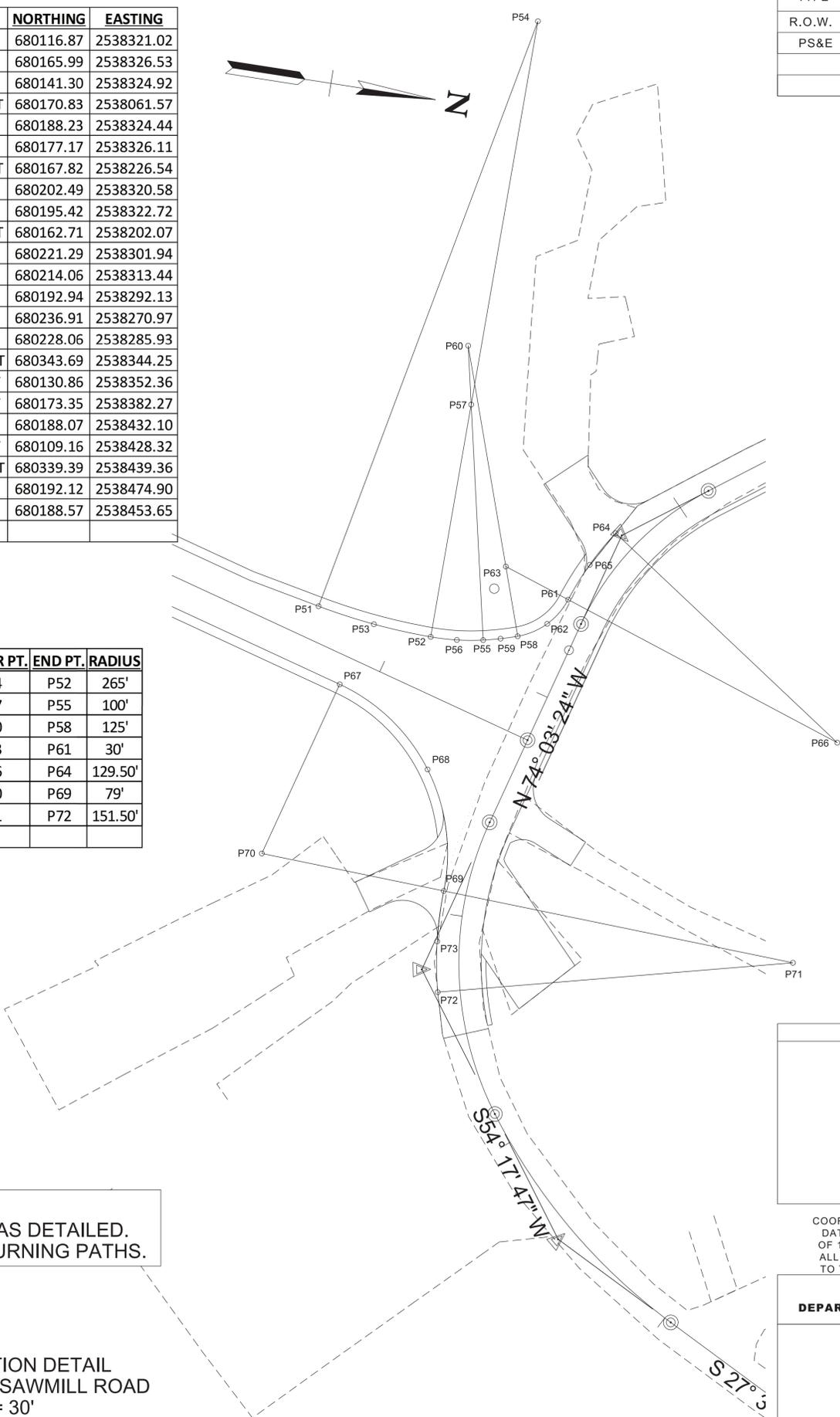
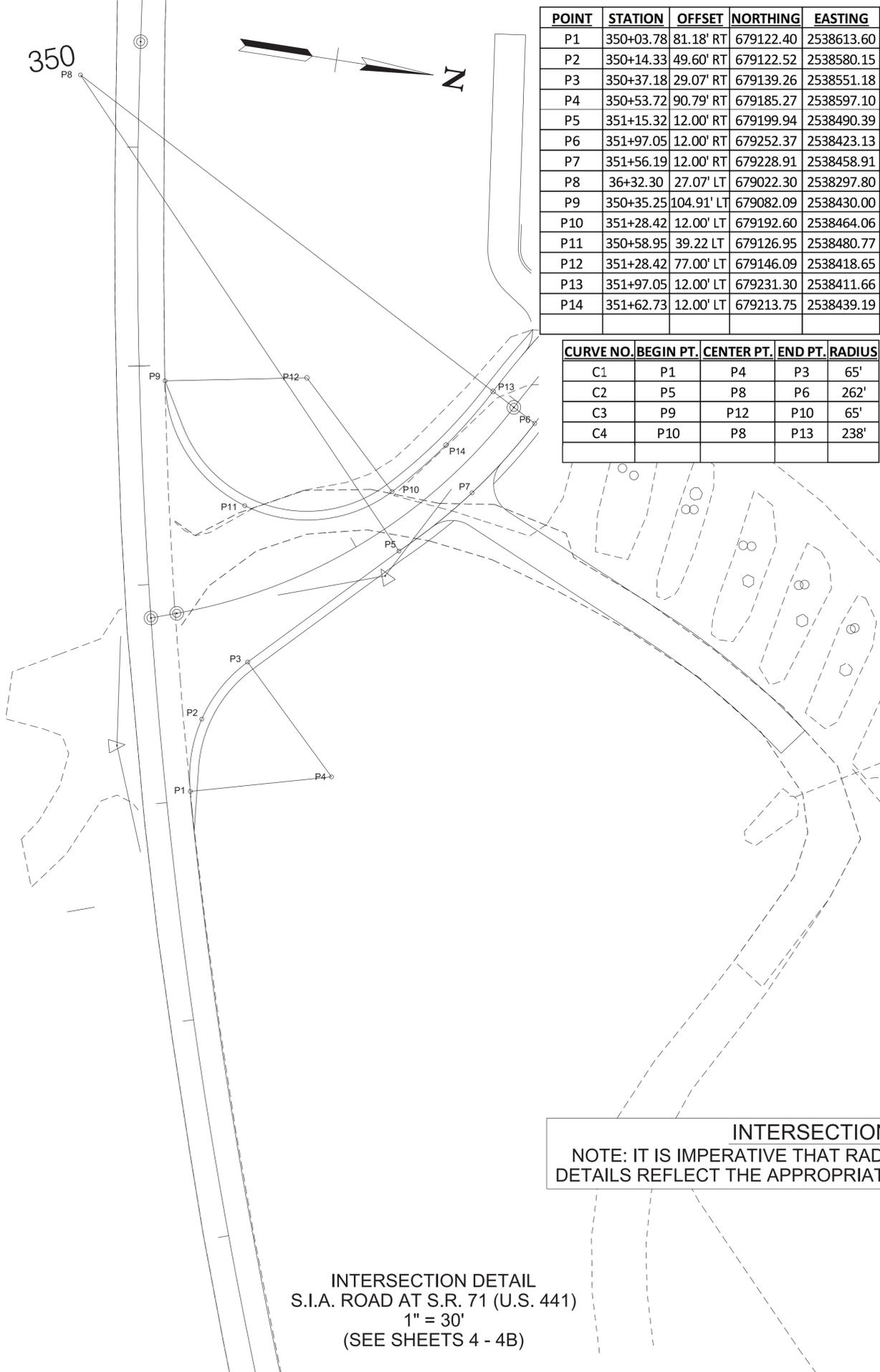
POINT	STATION	OFFSET	NORTHING	EASTING
P1	350+03.78	81.18' RT	679122.40	2538613.60
P2	350+14.33	49.60' RT	679122.52	2538580.15
P3	350+37.18	29.07' RT	679139.26	2538551.18
P4	350+53.72	90.79' RT	679185.27	2538597.10
P5	351+15.32	12.00' RT	679199.94	2538490.39
P6	351+97.05	12.00' RT	679252.37	2538423.13
P7	351+56.19	12.00' RT	679228.91	2538458.91
P8	36+32.30	27.07' LT	679022.30	2538297.80
P9	350+35.25	104.91' LT	679082.09	2538430.00
P10	351+28.42	12.00' LT	679192.60	2538464.06
P11	350+58.95	39.22' LT	679126.95	2538480.77
P12	351+28.42	77.00' LT	679146.09	2538418.65
P13	351+97.05	12.00' LT	679231.30	2538411.66
P14	351+62.73	12.00' LT	679213.75	2538439.19

CURVE NO.	BEGIN PT.	CENTER PT.	END PT.	RADIUS
C1	P1	P4	P3	65'
C2	P5	P8	P6	262'
C3	P9	P12	P10	65'
C4	P10	P8	P13	238'

POINT	STATION	OFFSET	NORTHING	EASTING
P51	361+64.74	14.29 LT	680116.87	2538321.02
P52	362+13.48	22.48 LT	680165.99	2538326.53
P53	361+89.30	17.25 LT	680141.30	2538324.92
P54	361+45.36	278.58 LT	680170.83	2538061.57
P55	362+32.49	30.60 LT	680188.23	2538324.44
P56	362+24.11	25.96 LT	680177.17	2538326.11
P57	361+87.77	119.12 LT	680167.82	2538226.54
P58	362+46.94	38.23 LT	680202.49	2538320.58
P59	362+40.73	34.23 LT	680195.42	2538322.72
P60	361+76.14	141.25 LT	680162.71	2538202.07
P61	362+59.90	61.32 LT	680221.29	2538301.94
P62	362+56.10	48.27 LT	680214.06	2538313.44
P63	362+29.95	62.96 LT	680192.94	2538292.13
P64	54+73.04	9.50 LT	680236.91	2538270.97
P65	54+56.92	9.50 LT	680228.06	2538285.93
P66	55+13.93	120.00 RT	680343.69	2538344.25
P67	361+86.80	12.00 RT	680130.86	2538352.36
P68	362+35.87	29.09 RT	680173.35	2538382.27
P69	53+08.92	9.50 LT	680188.07	2538432.10
P70	361+86.80	91.00 RT	680109.16	2538428.32
P71	53+41.62	142.00 RT	680339.39	2538439.36
P72	52+68.48	9.50 LT	680192.12	2538474.90
P73	52+88.70	9.50 LT	680188.57	2538453.65

CURVE NO.	BEGIN PT.	CENTER PT.	END PT.	RADIUS
C11	P51	P54	P52	265'
C12	P52	P57	P55	100'
C13	P55	P60	P58	125'
C14	P58	P63	P61	30'
C15	P61	P66	P64	129.50'
C16	P67	P70	P69	79'
C17	P69	P71	P72	151.50'

350
P8



INTERSECTION RADII DETAILS
 NOTE: IT IS IMPERATIVE THAT RADII ARE CONSTRUCTED AS DETAILED.
 DETAILS REFLECT THE APPROPRIATE MINIMUM VEHICLE TURNING PATHS.

INTERSECTION DETAIL
 S.I.A. ROAD AT S.R. 71 (U.S. 441)
 1" = 30'
 (SEE SHEETS 4 - 4B)

INTERSECTION DETAIL
 S.I.A. ROAD AT SAWMILL ROAD
 1" = 30'
 (SEE SHEETS 5 - 5B)

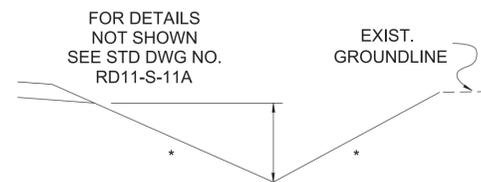
SEALED BY

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

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

DETAIL SHEET

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	2B1
PS&E	2026	01952-3502-04	2G1



FOR DETAILS NOT SHOWN SEE STD DWG NO. RD11-S-11A

EXIST. GROUNDLINE

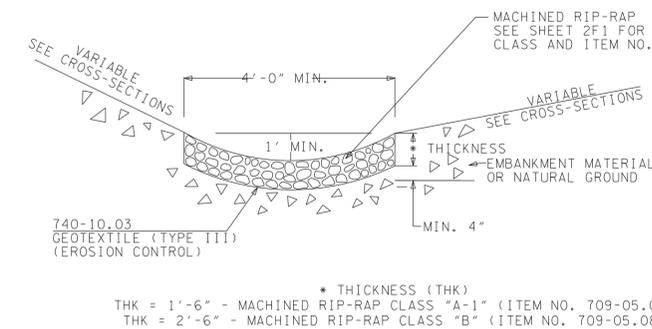
* VARIABLE SLOPE SEE CROSS SECTIONS

MIN TOP WIDTH = 8'
MIN DEPTH = 2'

PROPOSED "V" SPECIAL DITCH DETAILS

SEE SHEET 2F1 FOR LOCATION AND MATERIALS

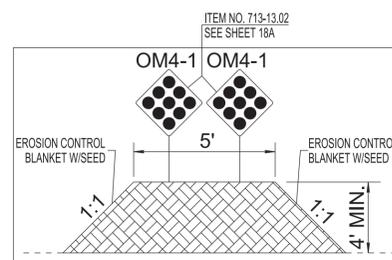
FOR DETAILS NOT SHOWN SEE STD DWG NO. RD11-S-11A



* THICKNESS (THK)
THK = 1'-6" - MACHINED RIP-RAP CLASS "A-1" (ITEM NO. 709-05.06)
THK = 2'-6" - MACHINED RIP-RAP CLASS "B" (ITEM NO. 709-05.08)

DETAIL OF RIP-RAP 'V' DITCH

SEE SHEET 2F1 FOR LOCATIONS AND MATERIALS



ITEM NO. 713-13.02 SEE SHEET 18A

OM4-1 OM4-1

EROSION CONTROL BLANKET W/SEED

5'

EROSION CONTROL BLANKET W/SEED

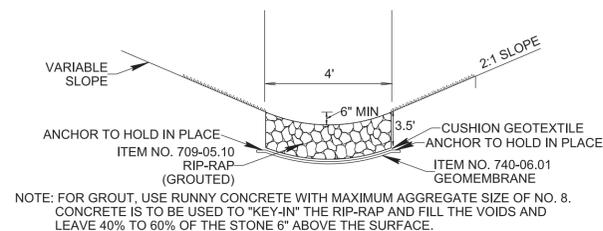
1:1

4' MIN.

DETAIL OF EARTH BERM

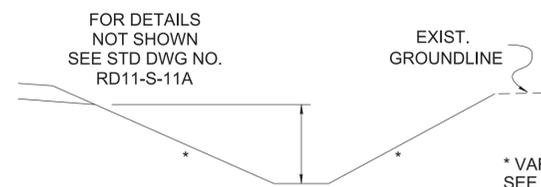
TO BE LOCATED AT THE END OF DRIVEWAY STA. 360+00.00

OM4-1 SIGNS ARE TO BE INSTALLED FACING THE SIA RD. SEE SHT. 5B FOR BERM LOCATION



DETAIL OF GROUTED RIP-RAP CHANNEL

SEE SHEET 2F1 FOR LOCATIONS AND MATERIALS



FOR DETAILS NOT SHOWN SEE STD DWG NO. RD11-S-11A

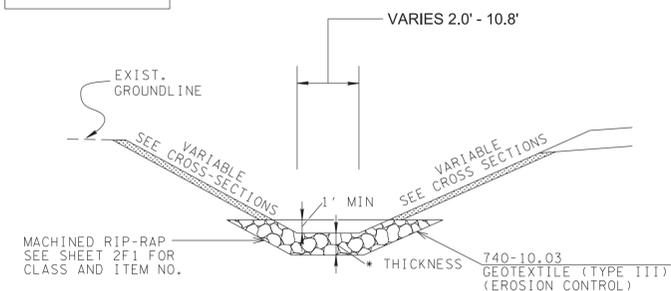
EXIST. GROUNDLINE

* VARIABLE SLOPE SEE CROSS SECTIONS

MIN TOP WIDTH = 8'
MIN DEPTH = 2'

BOTTOM WIDTH VARIES - SEE CROSS-SECTIONS

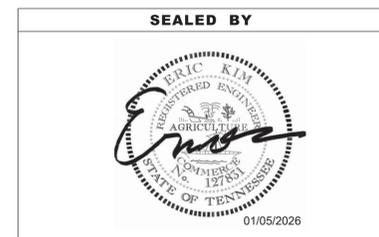
FOR DETAILS NOT SHOWN SEE STD DWG NO. RD11-S-11A



* THICKNESS (THK)
THK = 1'-6" - MACHINED RIP-RAP CLASS "A-1" (ITEM NO. 709-05.06)
THK = 2'-6" - MACHINED RIP-RAP CLASS "B" (ITEM NO. 709-05.08)

DETAIL OF RIP-RAP 'T' DITCH

SEE SHEET 2F1 FOR LOCATIONS AND MATERIALS



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DETAIL SHEET

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	3
PS&E	2026	01952-3502-04	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 EASMENT 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 PROJECT MANAGER, PROJECT DEVELOPMENT DIVISION AND THE ROADWAY MANAGER, REGIONAL PRE-CONSTRUCTION, ARE TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS PART OF THE CONSTRUCTION CONTRACT.
- (2) ALL RAMPS MUST CONFORM TO THE DEPARTMENT'S "POLICY ON FINANCING CONSTRUCTION OF PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS", THE MANUAL ON RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY, STANDARD DRAWING RP-R-1, AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.
- (3) EXISTING PAVED DRIVEWAY PER TRACT REMAINDER WILL BE REPLACED IN KIND TO A TOUCHDOWN POINT.
- (4) WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY EXCEEDS 7 PERCENT IN GRADE, EACH DRIVEWAY WILL BE PAVED TO A TOUCHDOWN POINT OR UNTIL THE GRADE IS LESS THAN 7 PERCENT.
- (5) WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY IS LESS THAN 7 PERCENT IN GRADE, EACH DRIVEWAY WILL BE PAVED A SHOULDER WIDTH FROM THE EDGE OF PAVEMENT AND THE REMAINDER OF THAT DRIVEWAY REPLACED IN KIND TO A TOUCHDOWN POINT.
- (6) ANY NECESSARY PAVING OF DRIVEWAYS WILL BE DONE DURING PAVING OPERATIONS ON THE MAIN ROADWAY.
- (7) 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.
- (8) 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 HE 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 COMFIRMED WITH THE APPROPRIATE UTILITY COMPANY. IN TENNESSEE, IT IS A REQUIREMENT, PER "THE UNDEGROUND UTILITY DAMAGE PREVENTION ACT", THAT ANYONE WHO ENGAGES IN ECAVATION 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.

UTILITY OWNERS

ELECTRIC:

CLINTON UTILITIES BOARD
 1001 CHARLES G. SEIVERS BLVD.
 P.O. BOX 296
 CLINTON, TN 37717
 CONTACT: DAVID METCHIKOFF
 OFFICE PHONE: 865 457 9232
 CELL PHONE: 865 220 6245
 Email: D.METCHIKOFF@CLINTONUB.COM

WATER/SEWER:

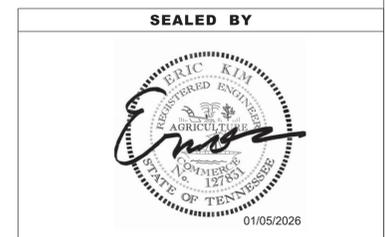
NORRIS WATER COMMISSION
 94 EAST NORRIS ROAD
 P.O. BOX 1090
 NORRIS, TN 37828
 CONTACT: TONY WILKERSON
 CELL PHONE: 865 254 4280

Email: NORRISWATERDEPT@ATT.NET

GAS:

POWELL CLINCH UTILITY DISTRICT
 203 FIRST STREET
 P.O. BOX 428
 LAKE CITY, TN 37769
 CONTACT: AARON MCCOY
 OFFICE PHONE: 865 426 3084
 CELL PHONE: 865 964 5439
 Email: AARON@PCUD.ORG

1/5/2026 10:08:38 AM L:\SURVDES\Design\PROJECTS\Anderson Co Norris SIA PIN 128962.00\003.sht



**STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION**

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	3A
PS&E	2026	01952-3502-04	3A

REV. 09/13/24: REVISED PROPERTY OWNER NAME FOR TRACT 5 AND 8. REVISED COUNTY RECORDS INFORMATION FOR TRACT 5, 6, AND 8. REVISED AREA TO BE ACQUIRED FOR TRACT 2, 5, 6, AND 8. REVISED CONSTRUCTION EASEMENT TRACT 1, 2, 3, 5 AND 8. ADDED DRAINAGE EASEMENT FOR TRACT 2 AND 5. REMOVED CONSTRUCTION AND SLOPE EASEMENT FOR TRACT 6.
 REV. 09/26/24: REVISED TRACT 3 AREA TO BE ACQUIRED.
 REV. 01/27/25: REVISED AREA TO BE ACQUIRED FOR TRACTS 1, 2, AND 3. REVISED CONSTRUCTION EASEMENT FOR TRACTS 1 AND 3.
 REV. 05/19/25: REVISED CONSTRUCTION EASEMENT FOR TRACT 2.
 REV. 11/05/25: ADDED TRACT 6S.

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (ACRES)		
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT DRAINAGE	SLOPE	CONSTRUCTION
				BOOK	PAGE											
1	COVENANT LIFE INTERNATIONAL INC.	031	083.00	1341	316	4.239	15.862	20.101	0.976	0.895	1.871	3.263	14.967			0.387 ①
2	CONCRETE POLISHING TECHNOLOGIES INC. D/B/A PERFECT POLISH	031	072.00	1400	396	3766 S.F.	32.289	32.375	3766 S.F.	0.590	0.676		31.699	556 S.F.		3541 S.F. ①
3	WILLIAM YEATMAN LONAS	031	071.00	1703	1969	23.988	0.296	24.284	1.129	0.296	1.425	22.859				1261 S.F. ①
4	WILLIAM Y. LONAS	031	071.02	D18	613	0.865		0.865	2021 S.F.		2021 S.F.	0.819				
5	LITTLE BLUE HOUSE, INC.	031F H	003.00	1794	206	1179 S.F.	0.443	0.470	1179 S.F.	0.135	0.162		0.308	1024 S.F.		410 S.F. ①
② 6	LITTLE BLUE HOUSE, INC.	031F H	003.00	1794	206	0.539	385 S.F.	0.548				0.539	385 S.F.			
②③ 6S	LITTLE BLUE HOUSE, INC.	031F H	003.00	1794	206	1708 S.F.	306 S.F.	2014 S.F.				1708 S.F.	306 S.F.			
② 7	THE CITY OF NORRIS	031F H	003.01	1392	1805	645 S.F.	0.733	0.748	645 S.F.	0.151	0.166	0 S.F.	0.582			
② 8	RAY TACKETT, JR. AND WIFE HEATHER TACKETT	031F H	005.01	1800	1852	269 S.F.	0.352	0.358	100 S.F.	2368 S.F.	2468 S.F.	169 S.F.	0.298			1103 S.F. ①
② 9	CHARLES S. SIEGMUND AND WIFE, PATRICIA D. SIEGMUND	031F H	007.00	1576	2154		1.046	1.046					1.046			
ACQUISITION TOTALS (ACRES)									4.403					1579 S.F.		0.532

- ①- TO BE USED FOR WORKING ROOM AND EPSC MEASURES.
- ②- TRACTS 6, 7, 8, AND 9 ARE REFERENCED TO THE SAWMILL ROAD ALIGNMENT.
- ③- FOR UTILITY ADJUSTMENT

DISTURBED AREA

IN BETWEEN SLOPE LINES	3.373 (AC)
15' WIDE STRIP (OUTSIDE SLOPE LINES)	1.463 (AC)
TOTAL DISTURBED AREA	4.836 (AC)
TOTAL PROJECT AREA	6.374 (AC)

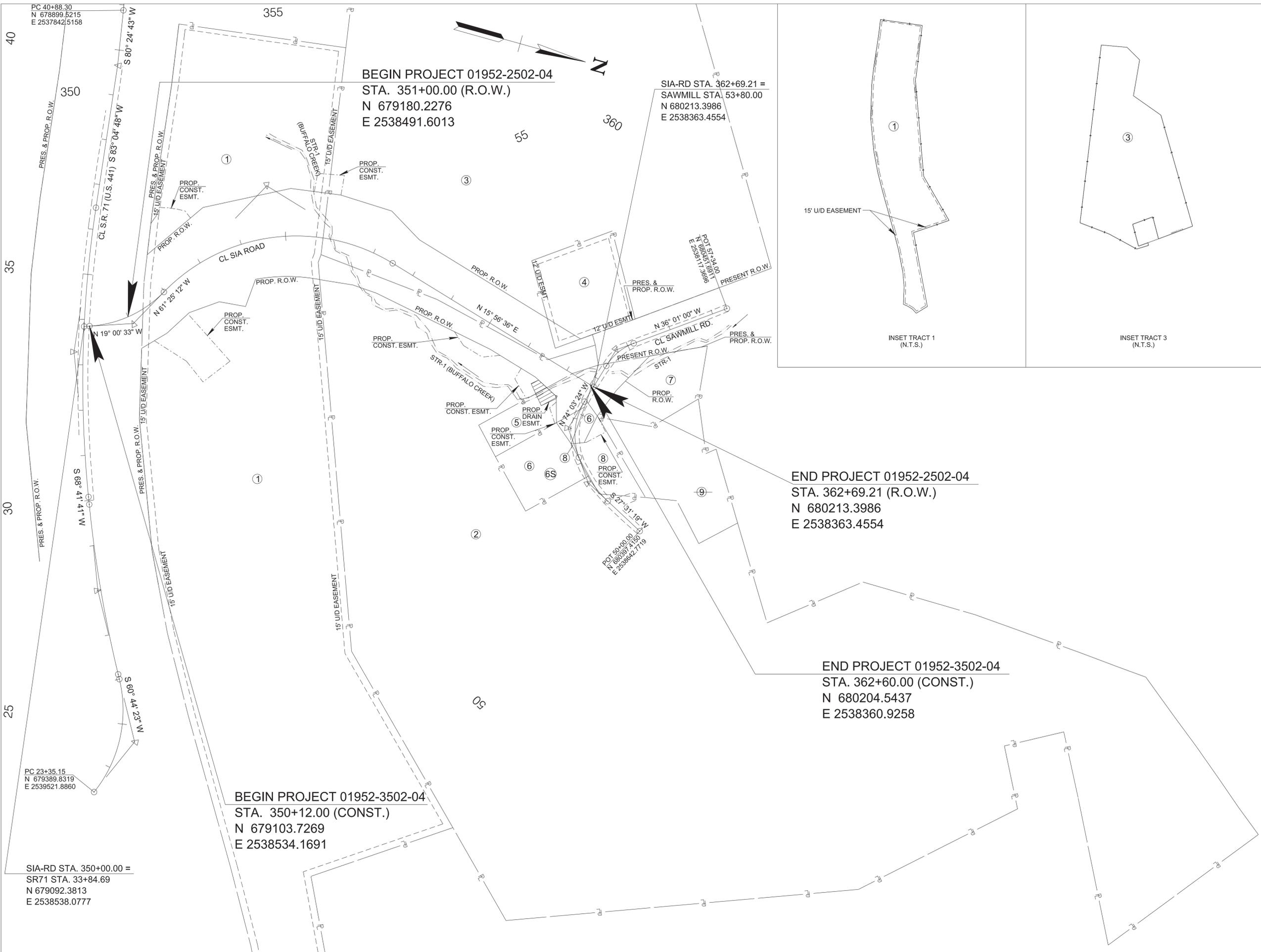
SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY
ACQUISITION
TABLE

1/5/2026 10:09:21 AM
 L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\1003B.sht



PC 40+88.30
 N 678899.5215
 E 2537842.5158

PC 23+35.15
 N 679389.8319
 E 2539521.8860

SIA-RD STA. 350+00.00 =
 SR71 STA. 33+84.69
 N 679092.3813
 E 2538538.0777

BEGIN PROJECT 01952-3502-04
 STA. 350+12.00 (CONST.)
 N 679103.7269
 E 2538534.1691

BEGIN PROJECT 01952-2502-04
 STA. 351+00.00 (R.O.W.)
 N 679180.2276
 E 2538491.6013

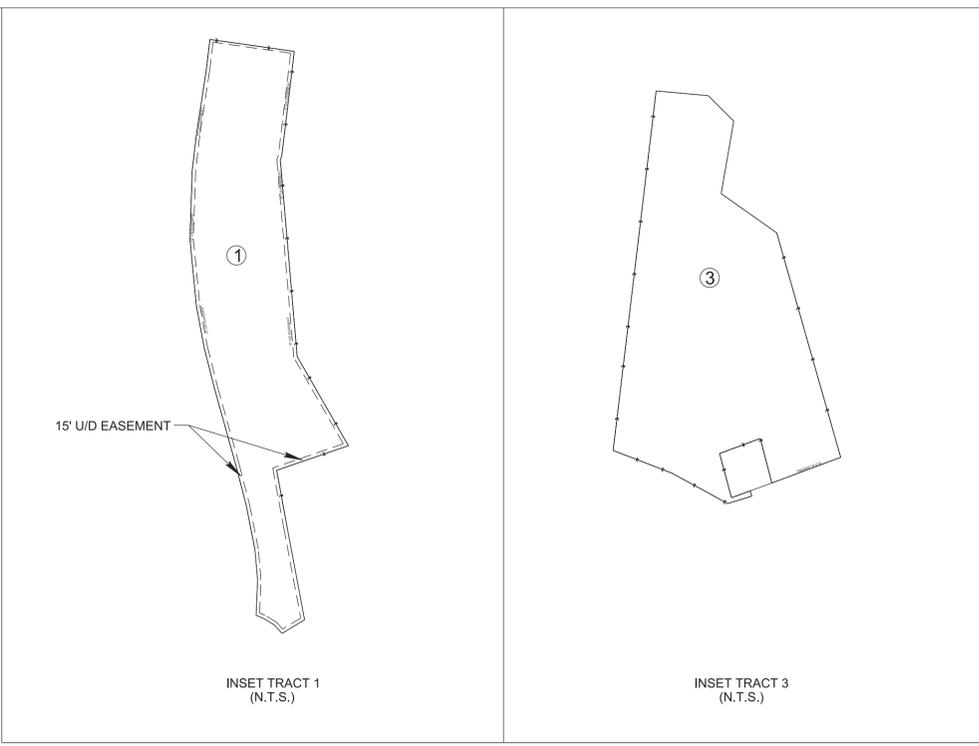
SIA-RD STA. 362+69.21 =
 SAWMILL STA. 53+80.00
 N 680213.3986
 E 2538363.4554

END PROJECT 01952-2502-04
 STA. 362+69.21 (R.O.W.)
 N 680213.3986
 E 2538363.4554

END PROJECT 01952-3502-04
 STA. 362+60.00 (CONST.)
 N 680204.5437
 E 2538360.9258

POT 50+00.00
 N 680391.4100
 E 2538042.7716

POT 57+34.00
 N 680451.3698
 E 2538111.3698



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	3B
PS&E	2026	01952-3502-04	3B

REV. 09/13/24: REVISED AREA TO BE ACQUIRED FOR TRACT 2, 5, 6, AND 8. REVISED CONSTRUCTION EASEMENT FOR TRACT 1, 2, 3, 5, AND 8. ADDED DRAINAGE EASEMENT TRACT 2 AND 5. REMOVED CONSTRUCTION EASEMENT AND SLOPE EASEMENT FOR TRACT 6.

REV. 01/27/25: REVISED TRACT 1 AND 3 CONSTRUCTION EASEMENT; REVISED TRACT 1, 2, AND 3 RIGHT-OF-WAY.

REV. 05/19/25: ADDED TRACT 2 PROPOSED CONSTRUCTION EASEMENT.

REV. 11/05/25: ADDED TRACT 6S.

SEALED BY

01/05/2026

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

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

PROPERTY
 MAP
 SCALE: 1" = 100'

BEGIN PROJECT 01952-2502-04
 STA. 351+00.00 (R.O.W.)
 N 679180.2276
 E 2538491.6013

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
* 01-SIA-16	679068.7540	2538543.0507	961.763	33+85.09	24.14' (LT)
01-SIA-17	679260.0325	2538504.5790	970.742	351+42.79	65.08' (RT)

* THIS STATION AND OFFSET REFERENCED TO THE SR-71 ALIGNMENT.

CURVE S.R. 71
 PI 33+29.80
 N 679,085.9526
 E 2,538,598.0309
 Δ 14° 23' 07" (RT)
 D 2° 14' 49"
 R 2,550.00
 L 640.23
 T 321.80
 SE MATCH EXIST.
 PC 30+08.00
 PT 36+48.23
 BK S68° 41' 41" W
 AH S83° 04' 48" W

SIA-RD STA. 350+00.00 =
 SR71 STA. 33+84.69
 N 679092.3813
 E 2538538.0777

BEGIN PROJECT 01952-3502-04
 STA. 350+12.00 (CONST.)
 N 679103.7269
 E 2538534.1691

CURVE S.R. 71
 PI 28+01.39
 N 679,278.1702
 E 2,539,090.9090
 Δ 7° 57' 18" (RT)
 D 2° 05' 22"
 R 2,742.00
 L 380.70
 T 190.66
 SE MATCH EXIST.
 PC 26+10.73
 PT 29+91.43
 BK S60° 44' 23" W
 AH S68° 41' 41" W

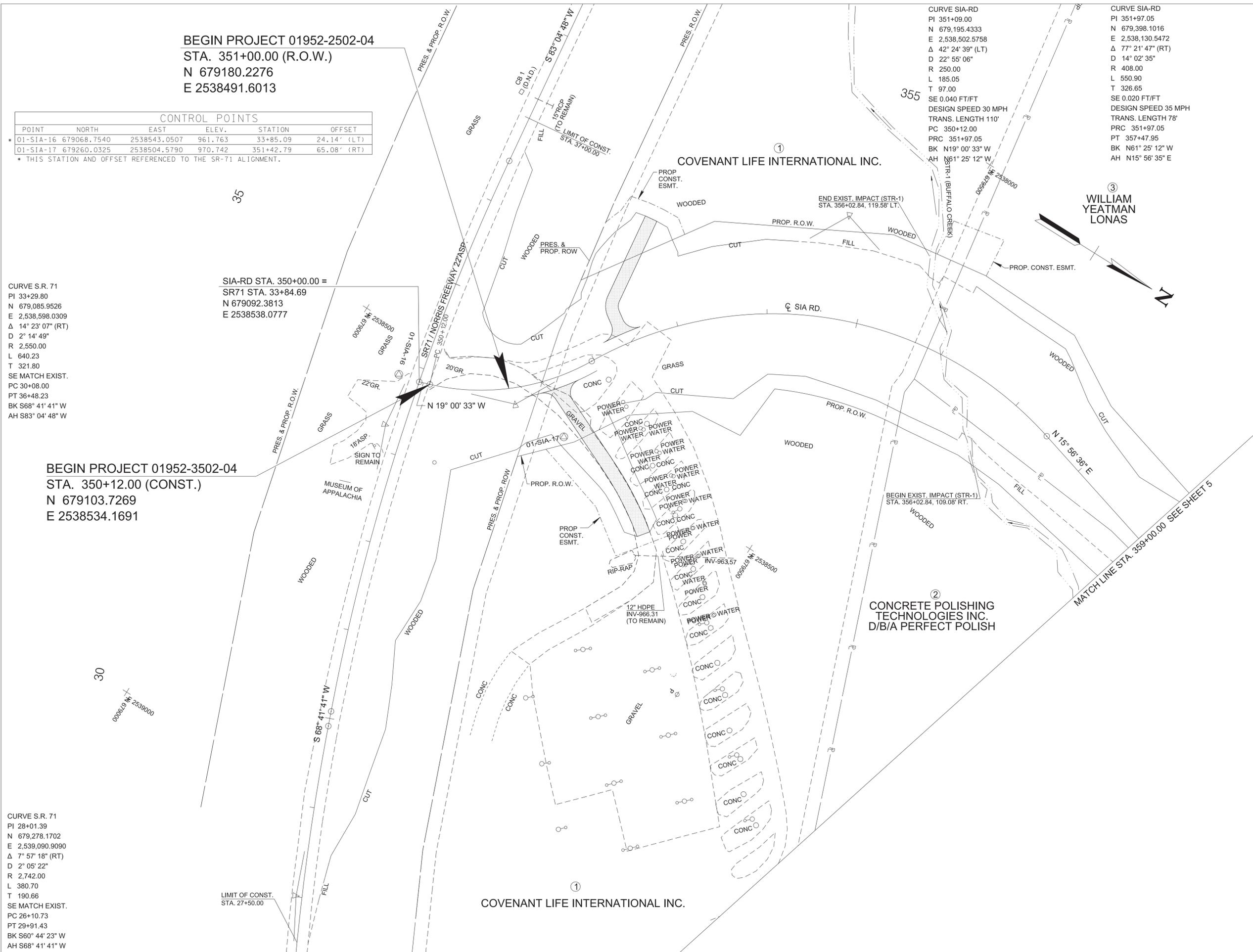
CURVE SIA-RD
 PI 351+09.00
 N 679,195.4333
 E 2,538,502.5758
 Δ 42° 24' 39" (LT)
 D 22° 55' 06"
 R 250.00
 L 185.05
 T 97.00
 SE 0.040 FT/FT
 DESIGN SPEED 30 MPH
 TRANS. LENGTH 110'
 PC 350+12.00
 PRC 351+97.05
 BK N19° 00' 33" W
 AH N61° 25' 12" W

CURVE SIA-RD
 PI 351+97.05
 N 679,398.1016
 E 2,538,130.5472
 Δ 77° 21' 47" (RT)
 D 14° 02' 35"
 R 408.00
 L 550.90
 T 326.65
 SE 0.020 FT/FT
 DESIGN SPEED 35 MPH
 TRANS. LENGTH 78'
 PRC 351+97.05
 PT 357+47.95
 BK N61° 25' 12" W
 AH N15° 56' 35" E

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	4
PS&E	2026	01952-3502-04	4

REV. 09/13/24: REVISED TRACT 1 AND 3 CONSTRUCTION EASEMENT; REVISED TRACT 1 DRIVEWAY.

REV. 01/27/25: REVISED TRACT 1 AND 3 CONSTRUCTION EASEMENT; REVISED TRACT 1, 2, AND 3 PROPOSED R.O.W.; REVISED TRACT 1 DRIVEWAY.



1/5/2026 10:09:22 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\004.sht

SEALED BY

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

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT
 STA. 351+00.00 TO STA. 359+00.00
 SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	4A
PS&E	2026	01952-3502-04	4A

REV. 09/13/24: REVISED TRACT 1 AND 3 CONSTRUCTION EASEMENT. REVISED TRACT 1 DRIVEWAY.

REV. 09/26/24: REVISED TRACT 1 BEARING INFORMATION.

REV. 01/27/25: REVISED TRACT 1 AND 3 CONSTRUCTION EASEMENT; REVISED TRACT 1, 2, AND 3 RIGHT-OF-WAY; REVISED TRACT 1 DRIVEWAY.

REV. 05/19/25: REVISED TRACT 1, 2, 3 BEARING INFORMATION.

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
01-SIA-16	679068.7540	2538543.0507	961.763	33+85.09	24.14' (LT)
01-SIA-17	679260.0325	2538504.5790	970.742	351+42.79	65.08' (RT)

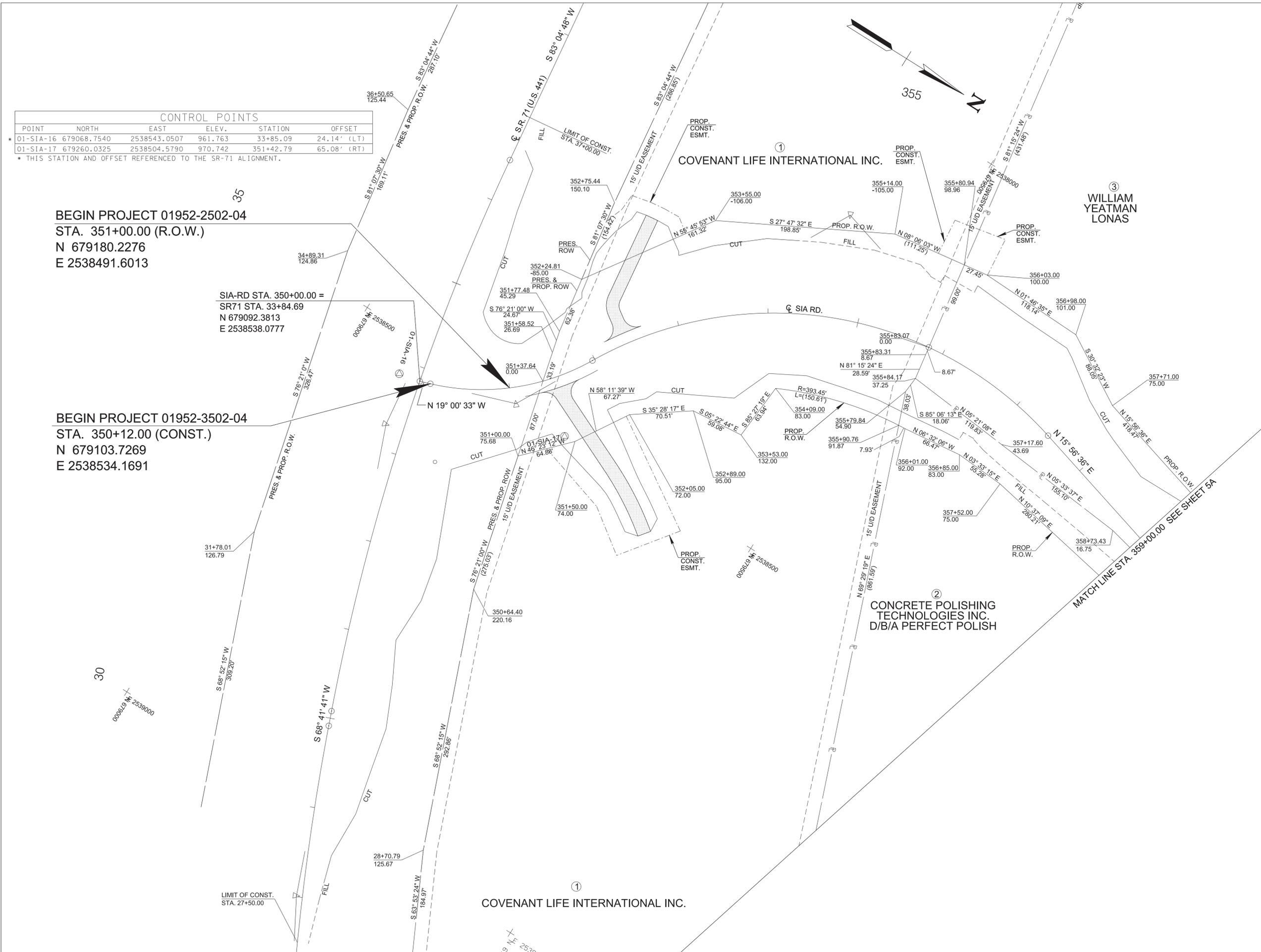
* THIS STATION AND OFFSET REFERENCED TO THE SR-71 ALIGNMENT.

BEGIN PROJECT 01952-2502-04
 STA. 351+00.00 (R.O.W.)
 N 679180.2276
 E 2538491.6013

SIA-RD STA. 350+00.00 =
 SR71 STA. 33+84.69
 N 679092.3813
 E 2538538.0777

BEGIN PROJECT 01952-3502-04
 STA. 350+12.00 (CONST.)
 N 679103.7269
 E 2538534.1691

1/5/2026 10:09:23 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\004A.sht



SEALED BY

01/05/2026

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

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

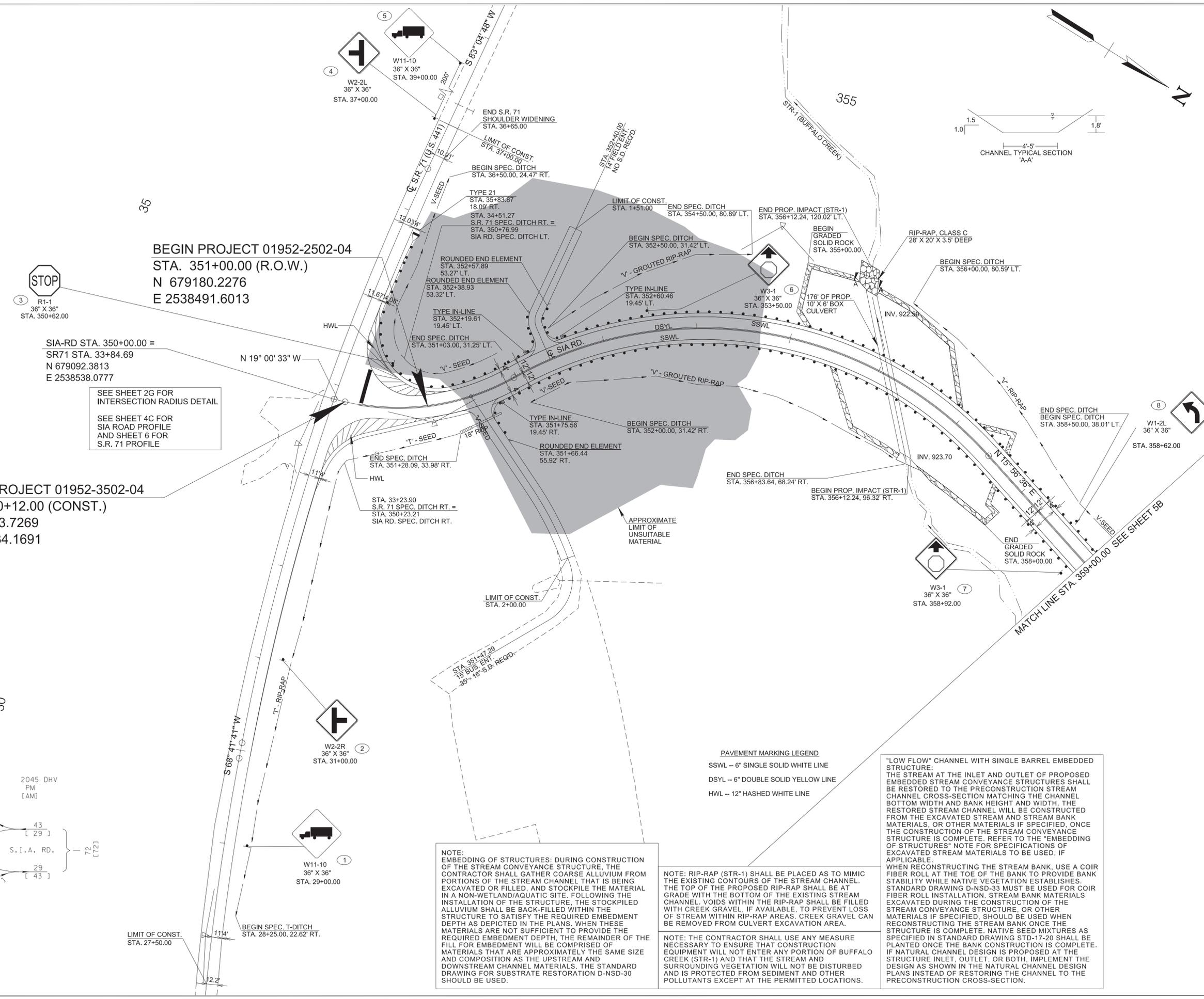
**RIGHT-OF-WAY
 DETAILS**

STA. 351+00.00 TO STA. 359+00.00
 SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-1502-04	4B
PS&E	2026	01952-3502-04	4B

REV. 09/13/24: REVISED TRACT 1 DRIVEWAY, REMOVED SPECIAL DITCH ALONG TRACT 1 DRIVEWAY.

REV. 01/27/25: REVISED TRACT 1 DRIVEWAY, ADDED LIMIT OF UNSUITABLE MATERIAL.

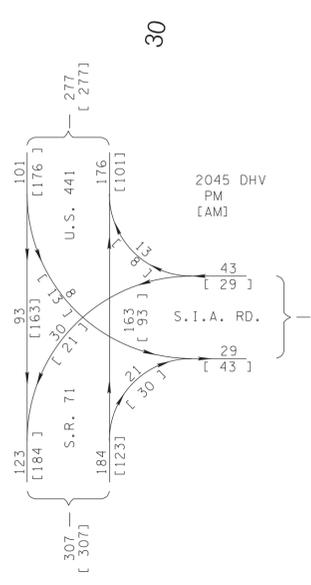


BEGIN PROJECT 01952-2502-04
STA. 351+00.00 (R.O.W.)
N 679180.2276
E 2538491.6013

SIA-RD STA. 350+00.00 =
SR71 STA. 33+84.69
N 679092.3813
E 2538538.0777

SEE SHEET 2G FOR INTERSECTION RADIUS DETAIL
SEE SHEET 4C FOR SIA ROAD PROFILE AND SHEET 6 FOR S.R. 71 PROFILE

BEGIN PROJECT 01952-3502-04
STA. 350+12.00 (CONST.)
N 679103.7269
E 2538534.1691



PAVEMENT MARKING LEGEND
SSWL -- 6" SINGLE SOLID WHITE LINE
DSYL -- 6" DOUBLE SOLID YELLOW LINE
HWL -- 12" HASHED WHITE LINE

NOTE: EMBEDDING OF STRUCTURES: DURING CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE, THE CONTRACTOR SHALL GATHER COARSE ALLUVIUM FROM PORTIONS OF THE STREAM CHANNEL THAT IS BEING EXCAVATED OR FILLED, AND STOCKPILE THE MATERIAL IN A NON-WETLAND/AQUATIC SITE. FOLLOWING THE INSTALLATION OF THE STRUCTURE, THE STOCKPILED ALLUVIUM SHALL BE BACK-FILLED WITHIN THE STRUCTURE TO SATISFY THE REQUIRED EMBEDMENT DEPTH AS DEPICTED IN THE PLANS. WHEN THESE MATERIALS ARE NOT SUFFICIENT TO PROVIDE THE REQUIRED EMBEDMENT DEPTH, THE REMAINDER OF THE FILL FOR EMBEDMENT WILL BE COMPRISED OF MATERIALS THAT ARE APPROXIMATELY THE SAME SIZE AND COMPOSITION AS THE UPSTREAM AND DOWNSTREAM CHANNEL MATERIALS. THE STANDARD DRAWING FOR SUBSTRATE RESTORATION D-NSD-30 SHOULD BE USED.

NOTE: RIP-RAP (STR-1) SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIP-RAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIP-RAP SHALL BE FILLED WITH CREEK GRAVEL, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. CREEK GRAVEL CAN BE REMOVED FROM CULVERT EXCAVATION AREA.

NOTE: THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF BUFFALO CREEK (STR-1) AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND IS PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.

"LOW FLOW" CHANNEL WITH SINGLE BARREL EMBEDDED STRUCTURE:
THE STREAM AT THE INLET AND OUTLET OF PROPOSED EMBEDDED STREAM CONVEYANCE STRUCTURES SHALL BE RESTORED TO THE PRECONSTRUCTION STREAM CHANNEL CROSS-SECTION MATCHING THE CHANNEL BOTTOM WIDTH AND BANK HEIGHT AND WIDTH. THE RESTORED STREAM CHANNEL WILL BE CONSTRUCTED FROM THE EXCAVATED STREAM AND STREAM BANK MATERIALS, OR OTHER MATERIALS IF SPECIFIED, ONCE THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE IS COMPLETE. REFER TO THE "EMBEDDING OF STRUCTURES" NOTE FOR SPECIFICATIONS OF EXCAVATED STREAM MATERIALS TO BE USED, IF APPLICABLE.

WHEN RECONSTRUCTING THE STREAM BANK, USE A COIR FIBER ROLL AT THE TOE OF THE BANK TO PROVIDE BANK STABILITY WHILE NATIVE VEGETATION ESTABLISHES. STANDARD DRAWING D-NSD-33 MUST BE USED FOR COIR FIBER ROLL INSTALLATION. STREAM BANK MATERIALS EXCAVATED DURING THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE, OR OTHER MATERIALS IF SPECIFIED, SHOULD BE USED WHEN RECONSTRUCTING THE STREAM BANK ONCE THE STRUCTURE IS COMPLETE. NATIVE SEED MIXTURES AS SPECIFIED IN STANDARD DRAWING STD-17-20 SHALL BE PLANTED ONCE THE BANK CONSTRUCTION IS COMPLETE. IF NATURAL CHANNEL DESIGN IS PROPOSED AT THE STRUCTURE INLET, OUTLET, OR BOTH, IMPLEMENT THE DESIGN AS SHOWN IN THE NATURAL CHANNEL DESIGN PLANS INSTEAD OF RESTORING THE CHANNEL TO THE PRECONSTRUCTION CROSS-SECTION.

SEALED BY

01/05/2026

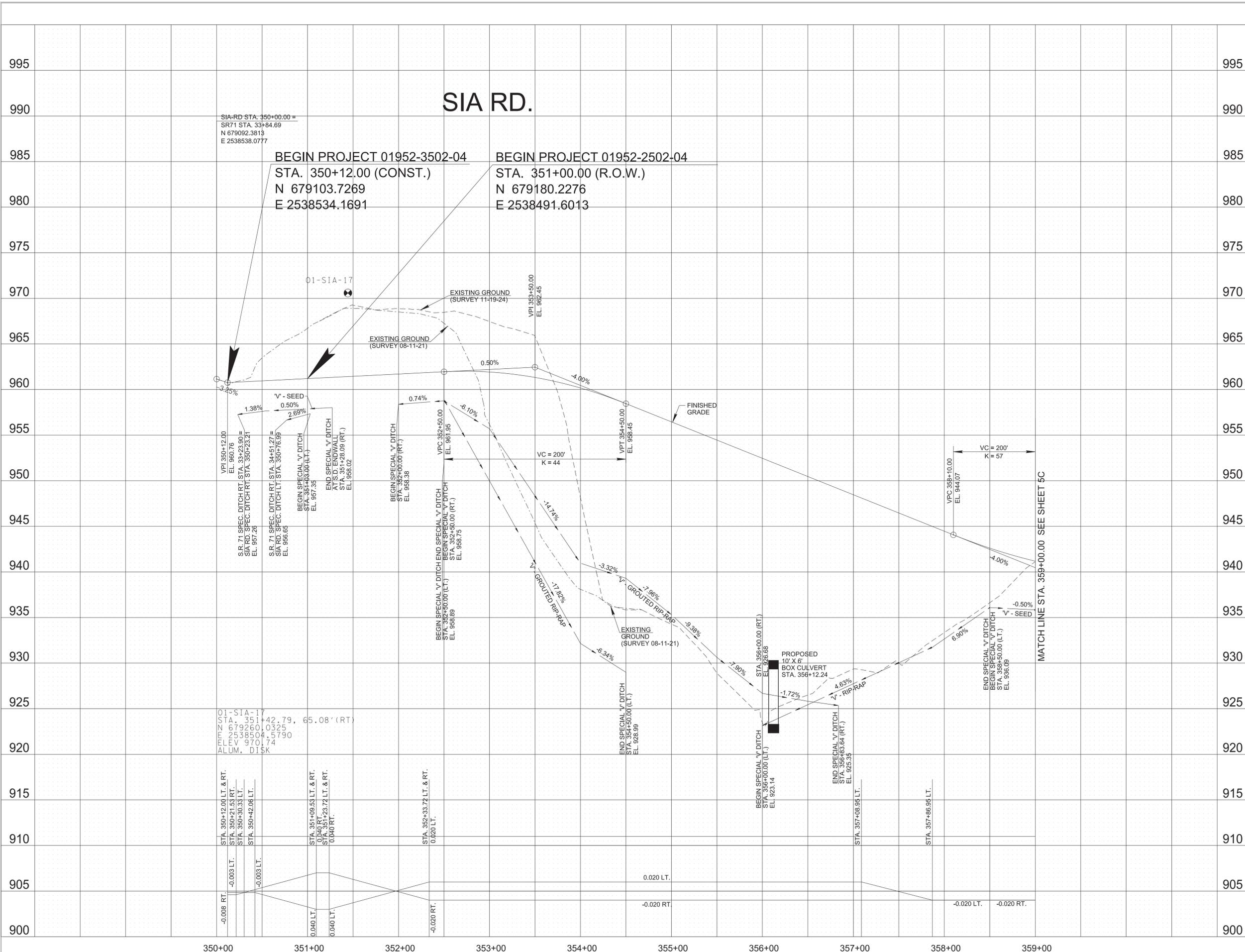
COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 350+12.00 TO STA. 359+00.00
SCALE: 1"= 50'

1/5/2026 10:09:25 AM
 L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\1004.C.sht



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	4C
PS&E	2026	01952-3502-04	4C

REV. 01/27/25: ADDED EXISTING GROUND PROFILE FOR UNSUITABLE MATERIAL.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE
 STA. 350+12.00 TO STA. 359+00.00
 SCALE: 1" = 50' HORIZ.
 1" = 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	5A
PS&E	2026	01952-3502-04	5A

REV. 09/11/24: REVISED PROPERTY OWNER NAME FOR TRACT 5 AND 8. ADDED FIELD ENTRANCE TRACT 5. REVISED AREA TO BE ACQUIRED FOR TRACT 2, 5, 6, AND 8. REVISED CONSTRUCTION EASEMENT TRACT 2, 5, AND 8. ADDED DRAINAGE EASEMENT TRACT 2 AND 5. REMOVED CONSTRUCTION EASEMENT AND SLOPE EASEMENT FOR TRACT 6.

REV. 09/26/24: ADDED BEARING DISTANCES TO TRACTS 2 AND 5. ADDED STATION/OFFSET LABEL TO TRACTS 7 AND 9.

REV. 05/19/25: ADDED TRACT 2 PROPOSED CONSTRUCTION EASEMENT. REVISED BEARINGS AND DISTANCES.

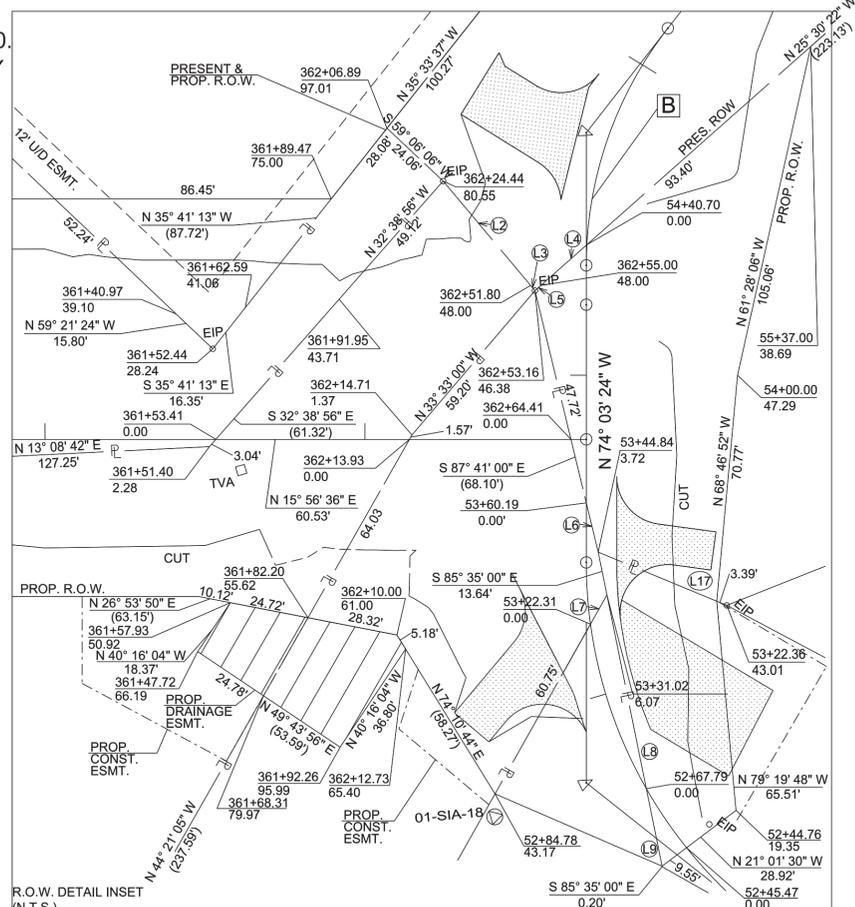
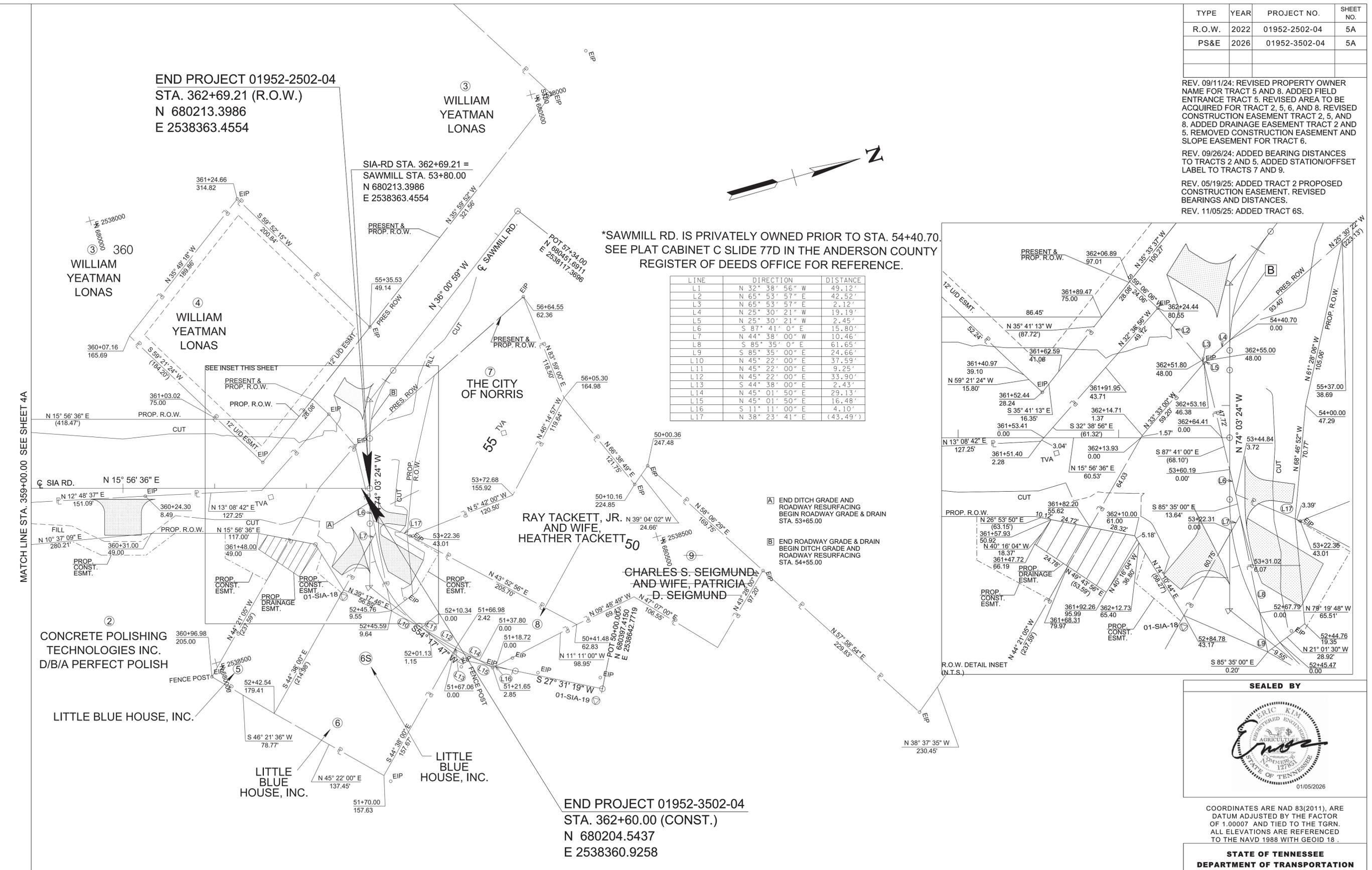
REV. 11/05/25: ADDED TRACT 6S.

END PROJECT 01952-2502-04
 STA. 362+69.21 (R.O.W.)
 N 680213.3986
 E 2538363.4554

SIA-RD STA. 362+69.21 =
 SAWMILL STA. 53+80.00
 N 680213.3986
 E 2538363.4554

*SAWMILL RD. IS PRIVATELY OWNED PRIOR TO STA. 54+40.70.
 SEE PLAT CABINET C SLIDE 77D IN THE ANDERSON COUNTY REGISTER OF DEEDS OFFICE FOR REFERENCE.

LINE	DIRECTION	DISTANCE
L1	N 32° 38' 56" W	49.12'
L2	N 65° 53' 57" E	42.52'
L3	N 65° 53' 57" E	2.12'
L4	N 25° 30' 21" W	19.19'
L5	N 25° 30' 21" W	2.45'
L6	S 87° 41' 0" E	15.80'
L7	N 44° 38' 00" W	10.46'
L8	S 85° 35' 0" E	61.65'
L9	S 85° 35' 00" E	24.66'
L10	N 45° 22' 00" E	37.59'
L11	N 45° 22' 00" E	9.25'
L12	N 45° 22' 00" E	33.90'
L13	S 44° 38' 00" E	2.43'
L14	N 45° 01' 50" E	29.13'
L15	N 45° 01' 50" E	16.48'
L16	S 11° 11' 00" E	4.10'
L17	N 38° 23' 41" E	(43.49')



MATCH LINE STA. 359+00.00 SEE SHEET 4A

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
01-SIA-18	680153.5514	2538468.7669	941.762	52+79.83	46.15' (LT)
01-SIA-19	680387.1104	2538653.0858	946.636	50+04.37	13.91' (LT)

*STATIONS AND OFFSETS ARE REFERENCED TO THE SAWMILL RD. ALIGNMENT.

SEALED BY

01/05/2026

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

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

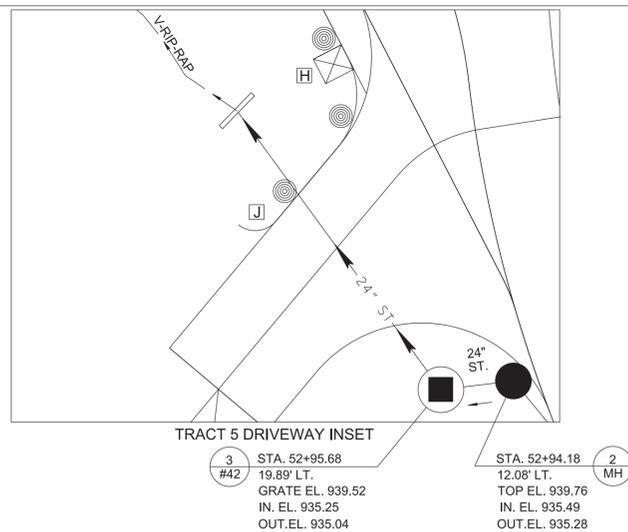
**RIGHT-OF-WAY
 DETAILS**

STA. 359+00.00 TO STA. 362+69.21
 SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	5B
PS&E	2026	01952-3502-04	5B

REV. 09/13/24: ADDED FIELD ENTRANCE AND SIDE DRAIN TRACT 5. REVISED SIDE DRAINS TRACT 8 AND 9. REVISED STORM SEWER, GUARDRAIL, AND SPECIAL DITCH AT LOCATION "V".

REV. 05/19/25: ADDED DRIVEWAY STUB TRACT 2.

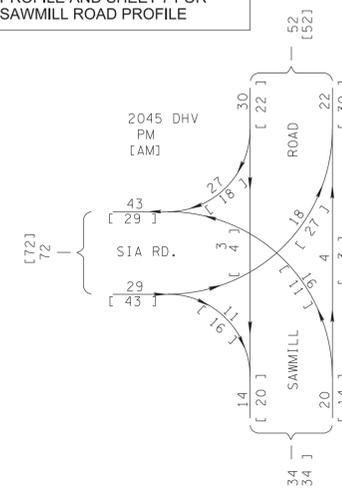


END PROJECT 01952-2502-04
STA. 362+69.21 (R.O.W.)
N 680213.3986
E 2538363.4554

360

SEE SHEET 2G FOR INTERSECTION RADIUS DETAIL

SEE SHEET 4C FOR SIA ROAD PROFILE AND SHEET 7 FOR SAWMILL ROAD PROFILE

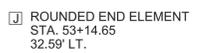


- A- BEGIN BOX CULV., SIA RD. - STA. 362+23.06
- B- END BOX CULV., SIA RD. - STA. 362+51.89
- C- BEGIN BOX CULV., SAWMILL RD. - STA. 53+96.67
- D- END BOX CULV., SIA RD. - STA. 54+24.43

- E- TYPE IN-LINE
STA. 53+67.97, 14.98' RT.
- F- ROUNDED END ELEMENT
STA. 53+51.63, 37.14' RT.



- H TYPE IN LINE
STA. 53+30.17
23.17' LT.
- J ROUNDED END ELEMENT
STA. 53+14.65
32.59' LT.



- K TYPE IN-LINE
STA. 360+35.00
19.45' RT.

- L TYPE IN-LINE
STA. 359+65.00
19.45' RT.

- M BEGIN SPECIAL V-DITCH
STA. 53+62.56, 22.36' RT.

- N END SPECIAL V-DITCH
STA. 54+11.93, 23.80' RT.

- P BEGIN SPECIAL V-DITCH
STA. 53+26.93, 36.65' LT.

- R END SPECIAL V-DITCH
STA. 53+37.30, 56.48' LT.

- S SEE STANDARD DRAWING
STD-17-23 FOR DETAILS
FOR CORING INTO BOX.

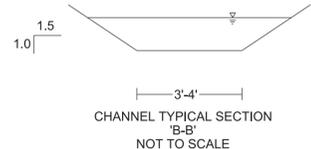


"LOW FLOW" CHANNEL WITH MULTIPLE BARREL EMBEDDED STRUCTURE:
THE STREAM CHANNEL SHALL BE CONSTRUCTED SO THAT IT ALIGNS WITH A SINGLE BARREL OF THE STREAM CONVEYANCE STRUCTURE. THE STREAM AT THE INLET AND OUTLET OF PROPOSED EMBEDDED STREAM CONVEYANCE STRUCTURES SHALL BE RESTORED TO THE PRECONSTRUCTION STREAM CHANNEL CROSS-SECTION MATCHING THE CHANNEL BOTTOM WIDTH WITH BANK BY USING THE EXCAVATED STREAM AND STREAM BANK MATERIALS, OR OTHER MATERIALS IF SPECIFIED, ONCE THE CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE IS COMPLETE. ALL BARRELS SHALL BE BACKFILLED, SUCH AS DESCRIBED IN THE "EMBEDDING OF STRUCTURES" NOTE.

WHEN RECONSTRUCTING THE STREAM BANK, USE A COIR FIBER ROLL AT THE TOE OF THE BANK TO PROVIDE BANK STABILITY WHILE NATIVE VEGETATION ESTABLISHES. STANDARD DRAWING D-NSD-33 MUST BE USED FOR COIR FIBER ROLL INSTALLATION. THE BANK HEIGHT SHOULD BE CONSTRUCTED ONE (1) FOOT HIGHER THAN THE STREAM BED AT THE CULVERT WITH THE ADDITIONAL FOOT OF MATERIAL INSTALLED IN THE BARREL(S) OF THE STRUCTURE THAT DO NOT CONVEY THE NORMAL STREAM FLOW. THE ADDITIONAL MATERIAL IN THE ADJACENT BARREL(S) WILL PREVENT NORMAL STREAM FLOW FROM ENTERING THE (THOSE) BARREL(S). TAPER THE ONE-FOOT BANK HEIGHT FROM THE CULVERT TO THE EXISTING BANK HEIGHT WITHIN 25 FEET OF BOTH ENDS OF THE STRUCTURE. MATERIALS TO BE USED SHALL BE PLANTED ONCE THE BANK CONSTRUCTION IS COMPLETE. IF NATURAL CHANNEL DESIGN IS PROPOSED AT THE STRUCTURE INLET, OUTLET, OR BOTH, IMPLEMENT THE DESIGN AS SHOWN IN THE NATURAL CHANNEL DESIGN PLANS INSTEAD OF RESTORING THE CHANNEL TO THE PRECONSTRUCTION CROSS-SECTION.

NOTE: THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF BUFFALO CREEK (STR-1) AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND IS PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.

NOTE: EMBEDDING OF STRUCTURES: DURING CONSTRUCTION OF THE STREAM CONVEYANCE STRUCTURE, THE CONTRACTOR SHALL GATHER COARSE ALLUVIUM FROM PORTIONS OF THE STREAM CHANNEL THAT IS BEING EXCAVATED OR FILLED, AND STOCKPILE THE MATERIAL IN A NON-WETLAND/AQUATIC SITE. FOLLOWING THE INSTALLATION OF THE STRUCTURE, THE STOCKPILED ALLUVIUM SHALL BE BACK-FILLED WITHIN THE STRUCTURE TO SATISFY THE REQUIRED EMBEDMENT DEPTH AS DEPICTED IN THE PLANS. WHEN THESE MATERIALS ARE NOT SUFFICIENT TO PROVIDE THE REQUIRED EMBEDMENT DEPTH, THE REMAINDER OF THE FILL FOR EMBEDMENT WILL BE COMPRISED OF MATERIALS THAT ARE APPROXIMATELY THE SAME SIZE AND COMPOSITION AS THE UPSTREAM AND DOWNSTREAM CHANNEL MATERIALS. THE STANDARD DRAWING FOR SUBSTRATE RESTORATION D-NSD-30 SHOULD BE USED.



NOTE: RIP-RAP (STR-1) SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIP-RAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL. VOIDS WITHIN THE RIP-RAP SHALL BE FILLED WITH CREEK GRAVEL, IF AVAILABLE, TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. CREEK GRAVEL CAN BE REMOVED FROM CULVERT EXCAVATION AREA.

END PROJECT 01952-3502-04
STA. 362+60.00 (CONST.)
N 680204.5437
E 2538360.9258

PAVEMENT AND SHOULDER TRANSITIONS - SAWMILL ROAD					
TYPE	BEGIN STA.	END STA.	BEGIN OFFSET	END OFFSET	LENGTH
PAVEMENT	52+50.00	52+51.46	9.54	9.50	1.46
PAVEMENT	52+51.46	56+25.00	9.50	9.50	373.54
SHOULDER	52+51.46	56+25.00	11.50	11.50	373.54
PAVEMENT	52+50.00	52+51.42	-9.90	-10.06	1.42
PAVEMENT	52+51.42	52+68.48	-10.05	-9.50	17.06
PAVEMENT	52+68.48	53+00.92	-9.50	-9.50	32.44
PAVEMENT	56+05.00	56+25.00	9.50	8.75	20.00
SHOULDER	56+05.00	56+25.00	11.50	8.75	20.00
*** SIA RD INTERSECTION ***					
PAVEMENT	54+38.83	54+40.81	-9.55	-9.50	1.98
SHOULDER	54+38.83	54+40.81	-13.61	-13.50	1.98
PAVEMENT	54+40.81	54+53.32	-9.50	-9.50	12.51
SHOULDER	54+40.81	54+59.51	-13.50	-13.50	18.70

NOTE: LEFT SIDE TO BE RESURFACING ONLY / MATCH EXISTING EDGE FROM STA. 54+91.33 (TRACT 4 DRIVEWAY) TO THE WESTERN LIMIT OF CONSTRUCTION.

SEALED BY



01/05/2026

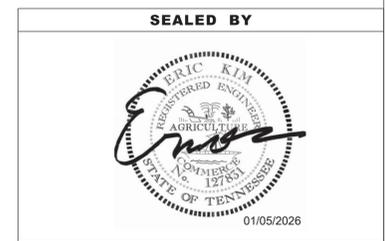
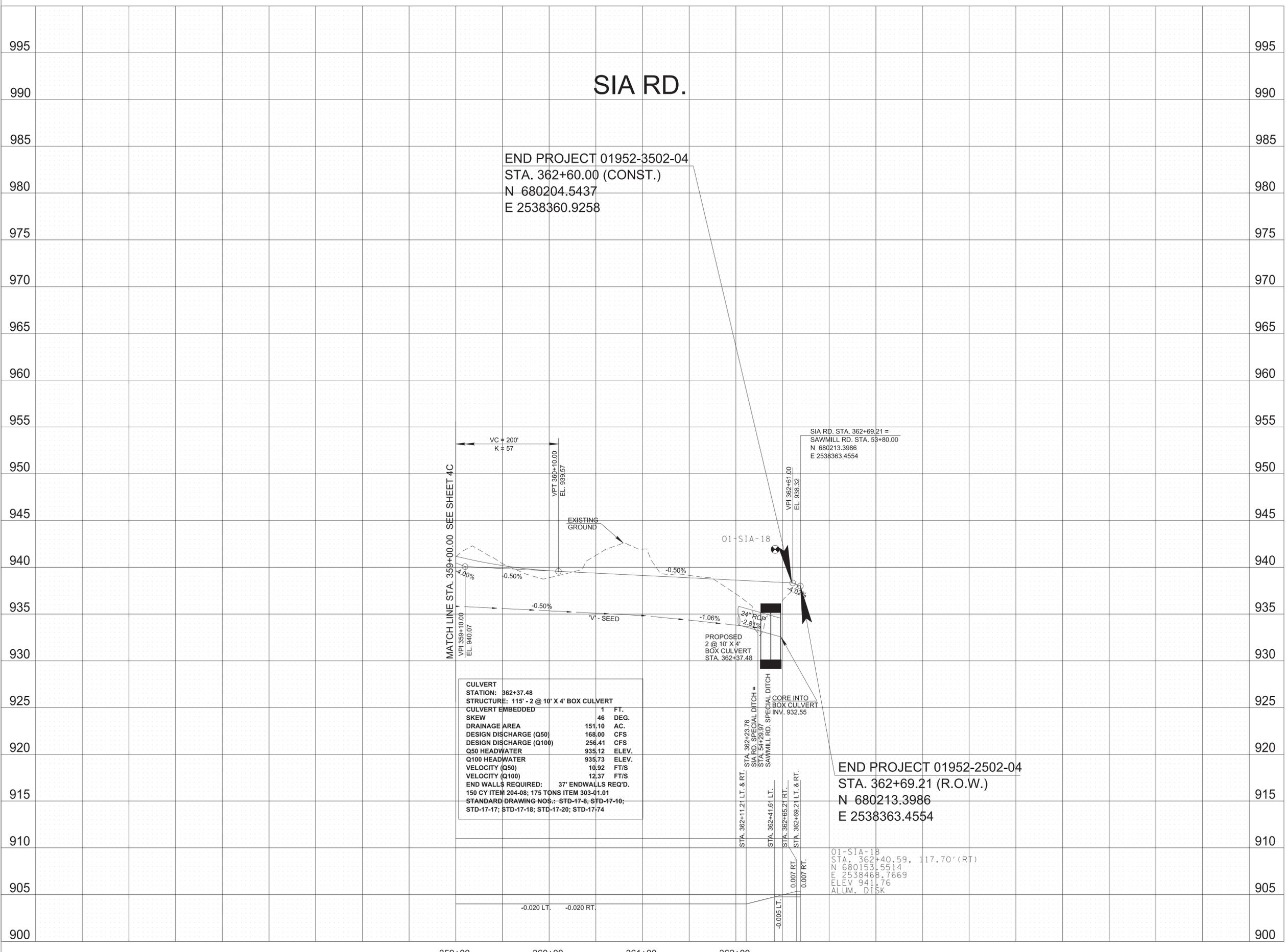
COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
LAYOUT

STA. 359+00.00 TO STA. 362+60.00
SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	5C
PS&E	2026	01952-3502-04	5C



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**PROPOSED
PROFILE**

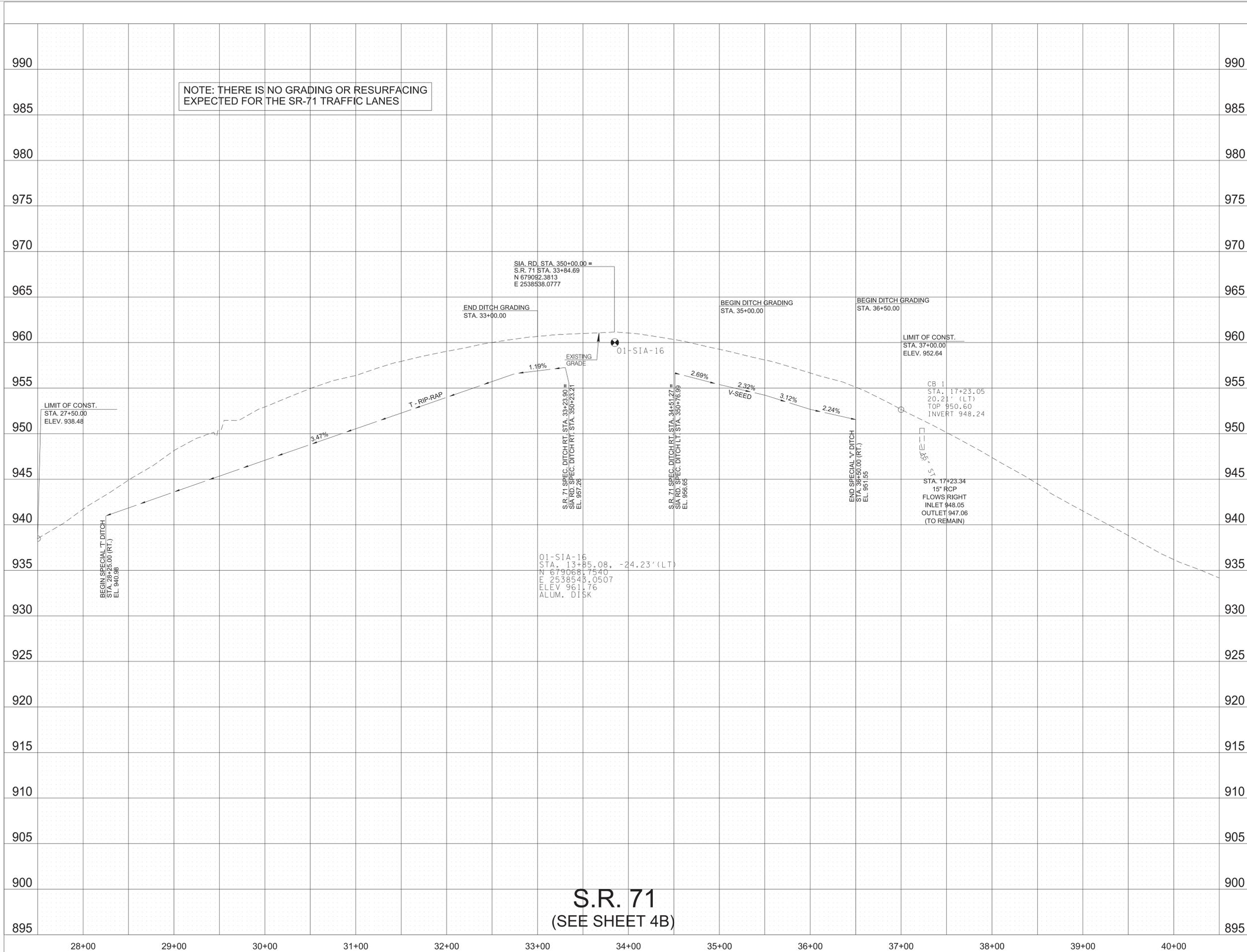
STA. 359+00.00 TO STA. 362+60.00

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

1/5/2026 10:09:33 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\005C.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	6
PS&E	2026	01952-3502-04	6

REV. 09/13/24: DELETED SAWMILL ROAD PROFILE FROM SHEET.



NOTE: THERE IS NO GRADING OR RESURFACING EXPECTED FOR THE SR-71 TRAFFIC LANES

S.R. 71
(SEE SHEET 4B)

SEALED BY



01/05/2026

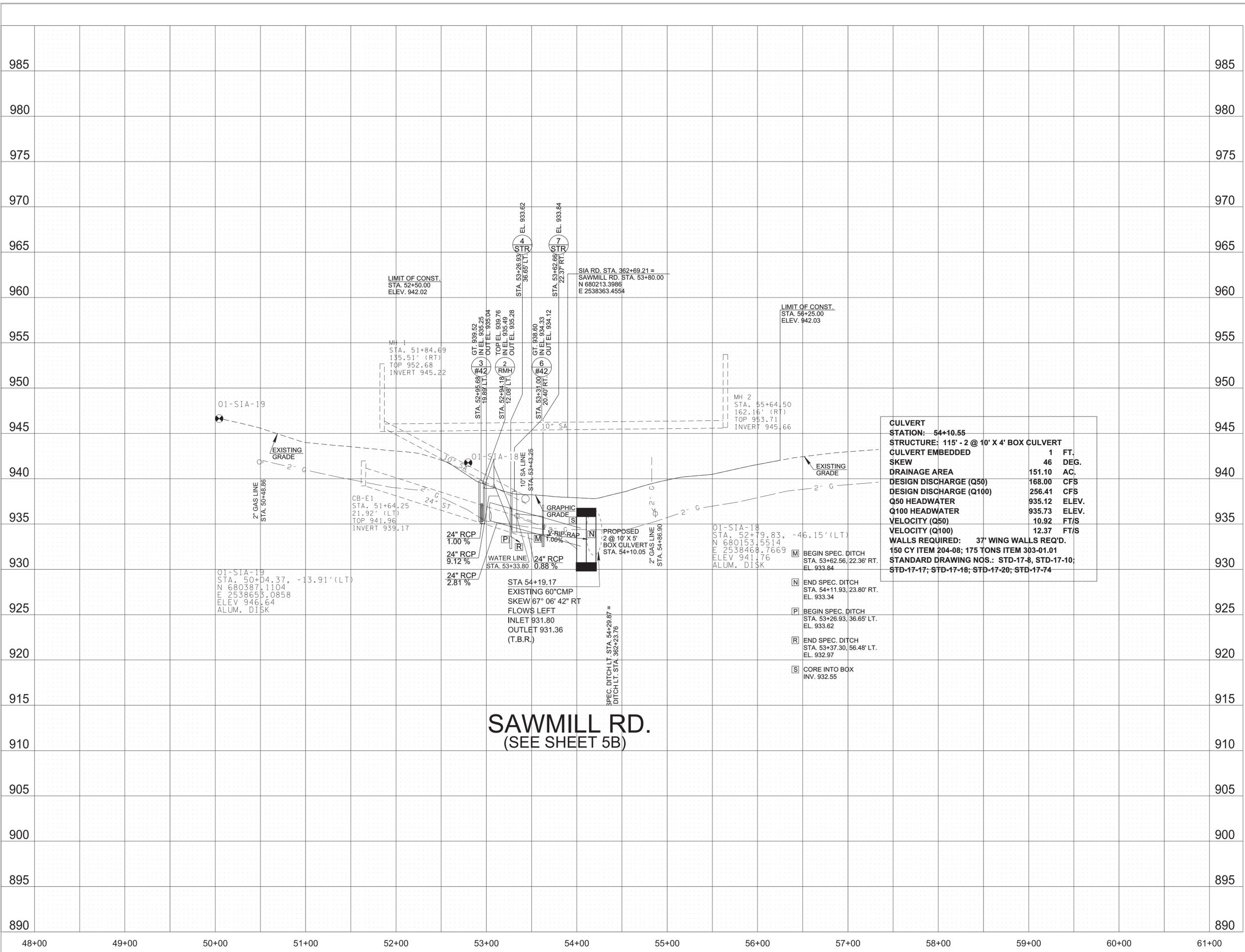
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**SIDE ROAD
PROFILES**

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

1/5/2026 10:09:33 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\006.sht

1/5/2026 10:09:34 AM L:\SURVDES\Design\PROJECTS\Anderson Co Norris SIA PIN 128962.00\007.sht



SAWMILL RD.
(SEE SHEET 5B)



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

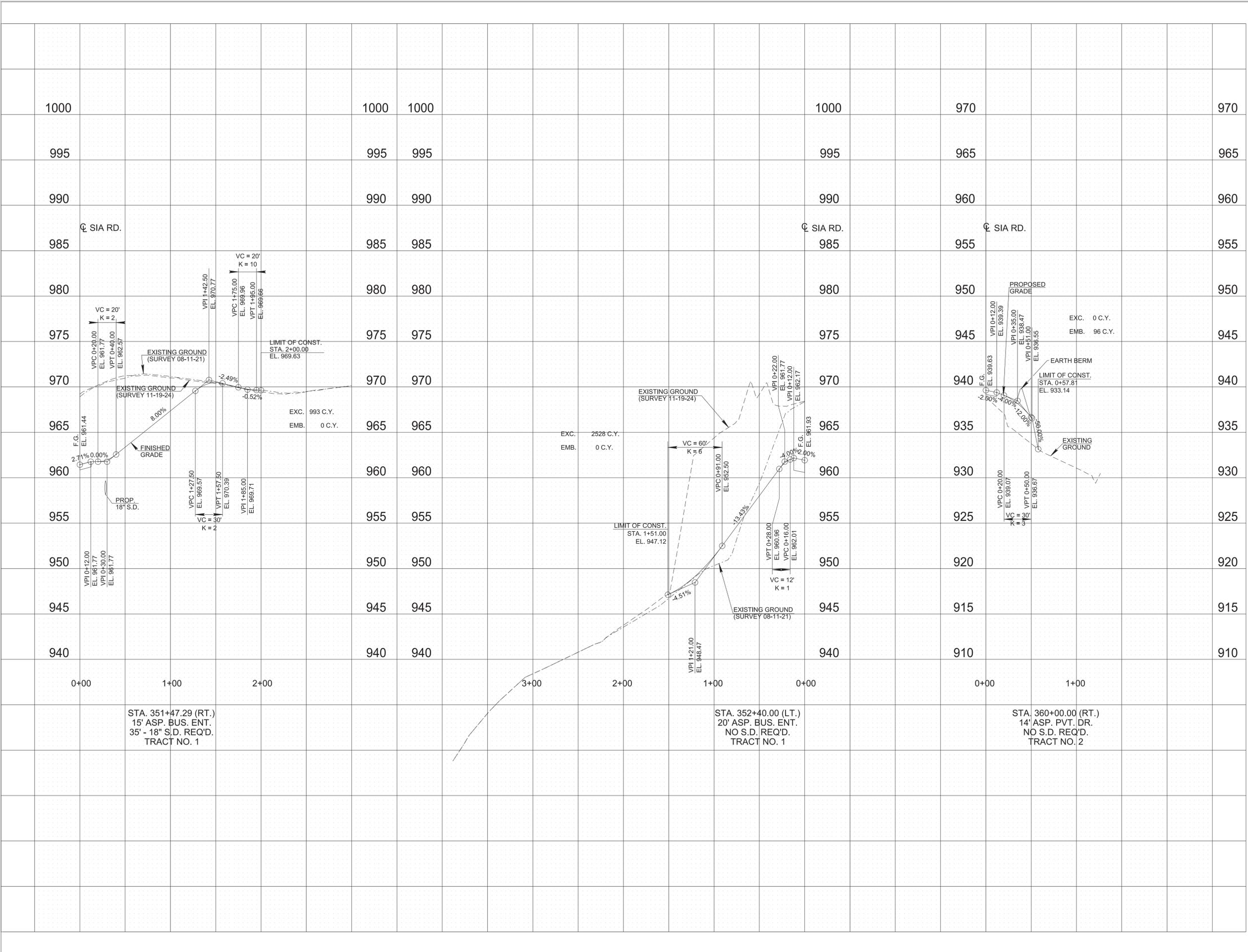
**SIDE ROAD
PROFILES**

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	7
PS&E	2026	01952-3502-04	8

REV. 09/11/24: REMOVED SPECIAL DITCH AND REVISED DRIVEWAY STA. 352+40.00.
 REV. 05/19/25: ADDED DRIVEWAY STUB, STA. 360+00.00.

1/5/2026 10:09:36 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\1008.sht



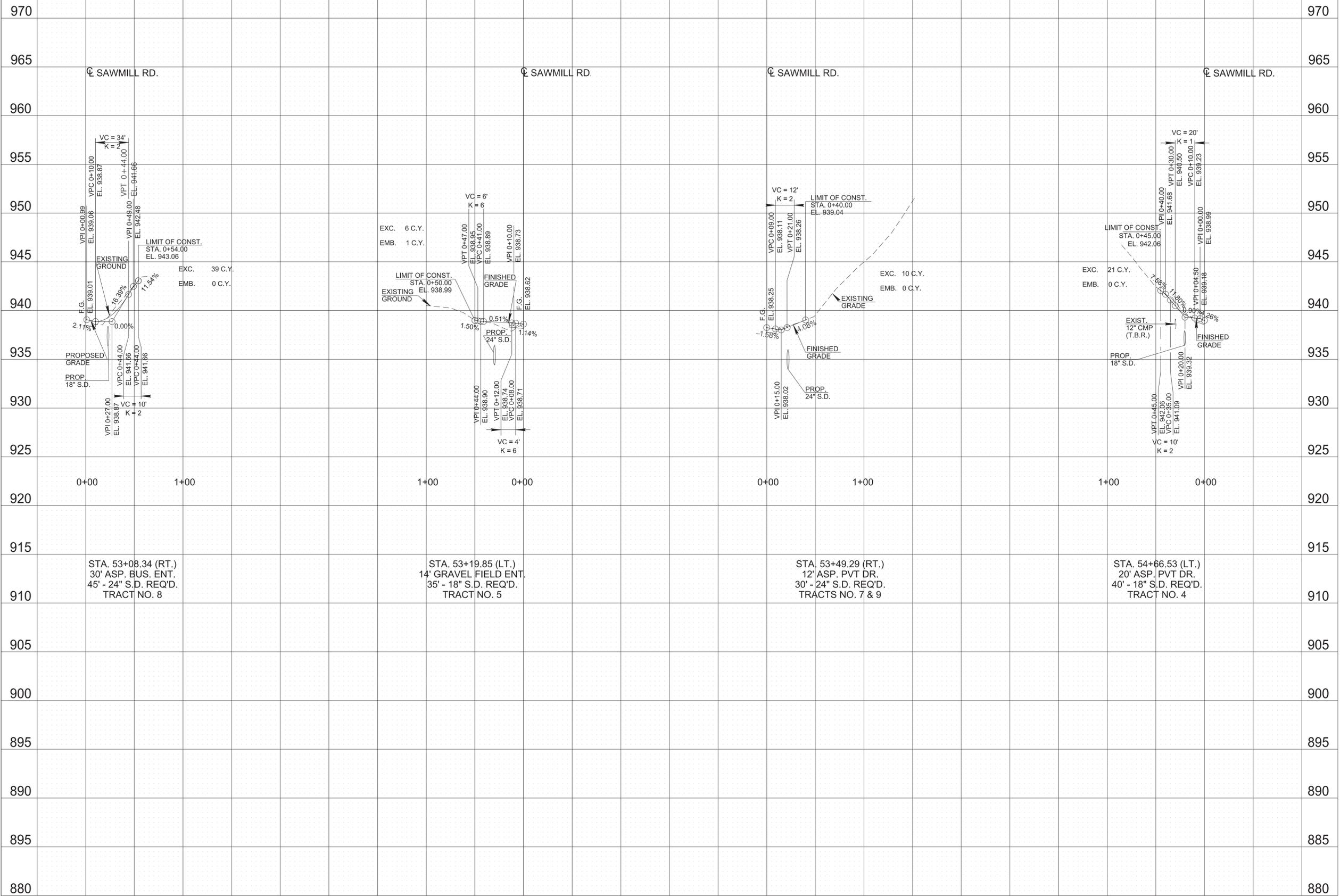
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE,
 BUSINESS, AND
 FIELD ENTRANCE
 PROFILES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	8
PS&E	2026	01952-3502-04	9

REV. 09/13/24: ADDED TRACT 5 FIELD ENTRANCE.



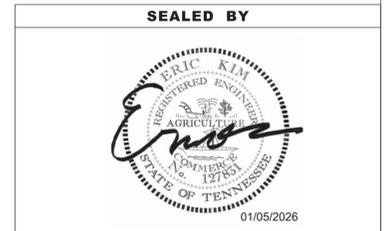
STA. 53+08.34 (RT.)
30' ASP. BUS. ENT.
45' - 24" S.D. REQ'D.
TRACT NO. 8

STA. 53+19.85 (LT.)
14' GRAVEL FIELD ENT.
35' - 18" S.D. REQ'D.
TRACT NO. 5

STA. 53+49.29 (RT.)
12' ASP. PVT DR.
30' - 24" S.D. REQ'D.
TRACTS NO. 7 & 9

STA. 54+66.53 (LT.)
20' ASP. PVT DR.
40' - 18" S.D. REQ'D.
TRACT NO. 4

1/5/2026 10:09:37 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\009.sht



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

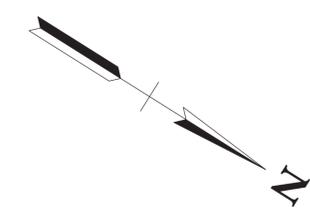
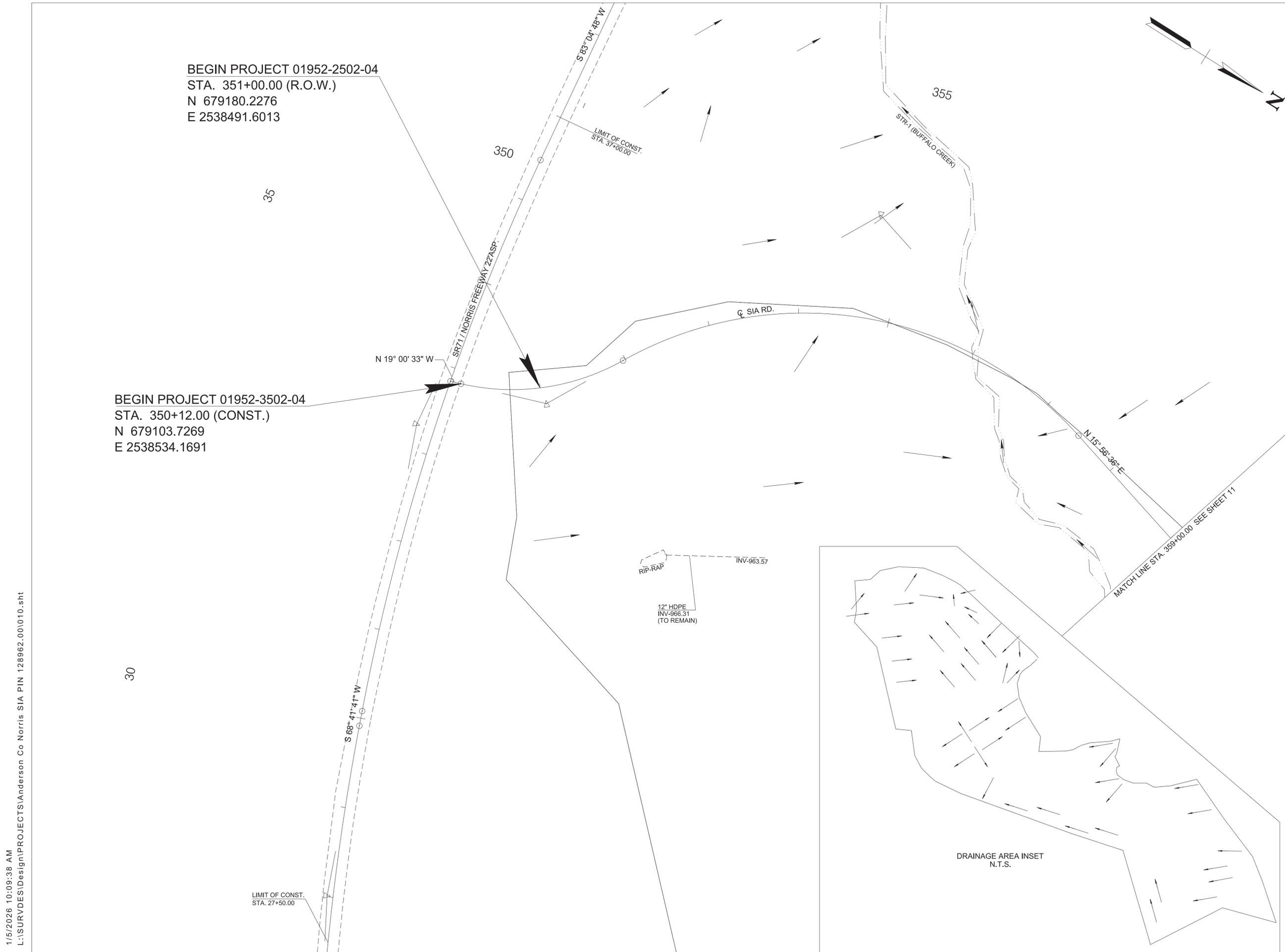
**PRIVATE DRIVE,
BUSINESS, AND
FIELD ENTRANCE
PROFILES**

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	9
PS&E	2026	01952-3502-04	10

BEGIN PROJECT 01952-2502-04
 STA. 351+00.00 (R.O.W.)
 N 679180.2276
 E 2538491.6013

BEGIN PROJECT 01952-3502-04
 STA. 350+12.00 (CONST.)
 N 679103.7269
 E 2538534.1691



SEALED BY

01/05/2026

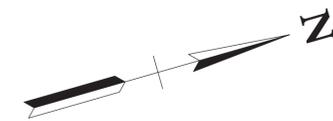
COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00007 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

**STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION**

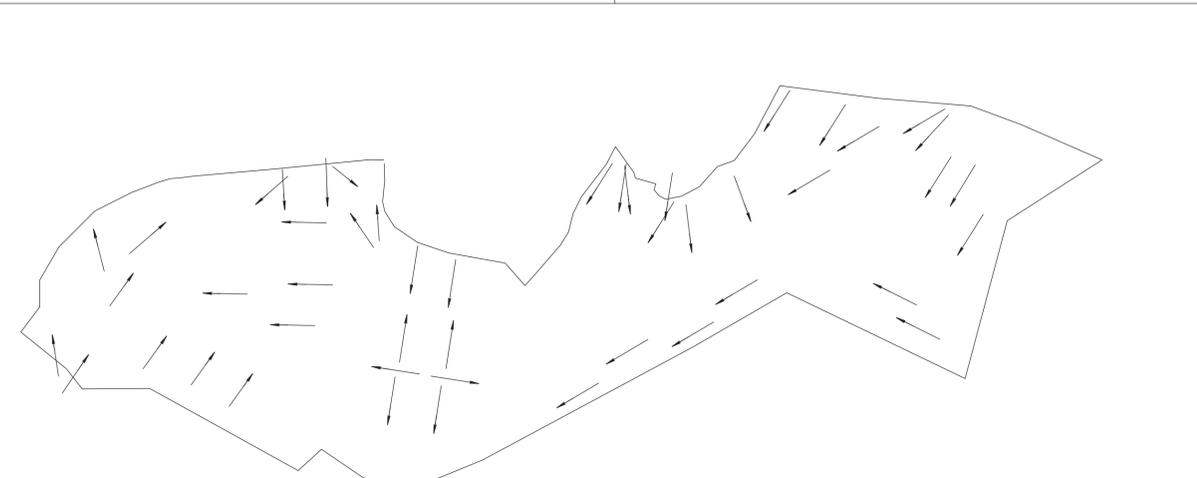
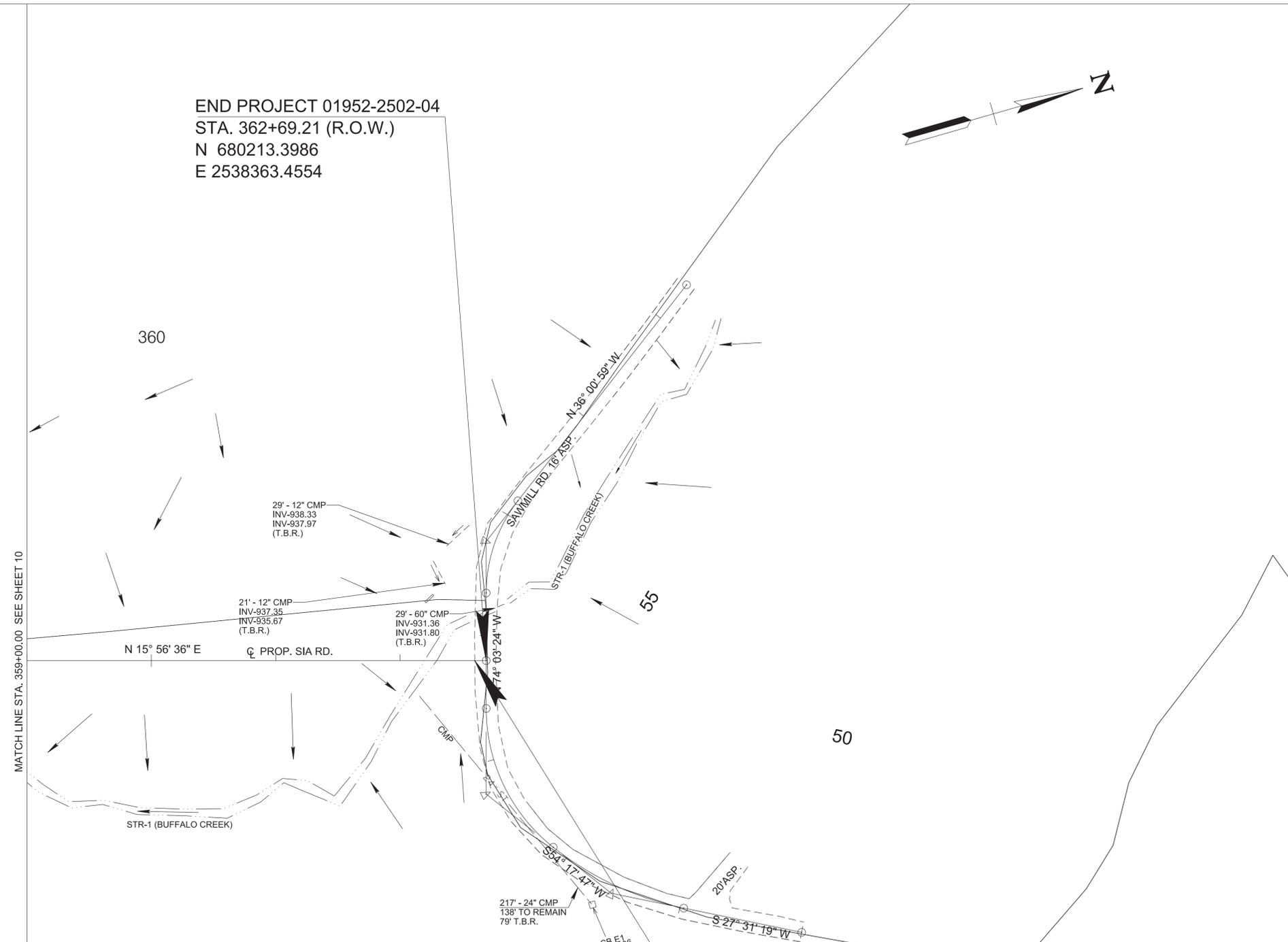
**DRAINAGE
 MAP**
 STA. 350+12.00 TO STA. 359+00.00
 SCALE: 1" = 50'

1/5/2026 10:09:38 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\1010.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	10
PS&E	2026	01952-3502-04	11



END PROJECT 01952-2502-04
 STA. 362+69.21 (R.O.W.)
 N 680213.3986
 E 2538363.4554



DRAINAGE AREA INSET
 N.T.S.

END PROJECT 01952-3502-04
 STA. 362+60.00 (CONST.)
 N 680204.5437
 E 2538360.9258

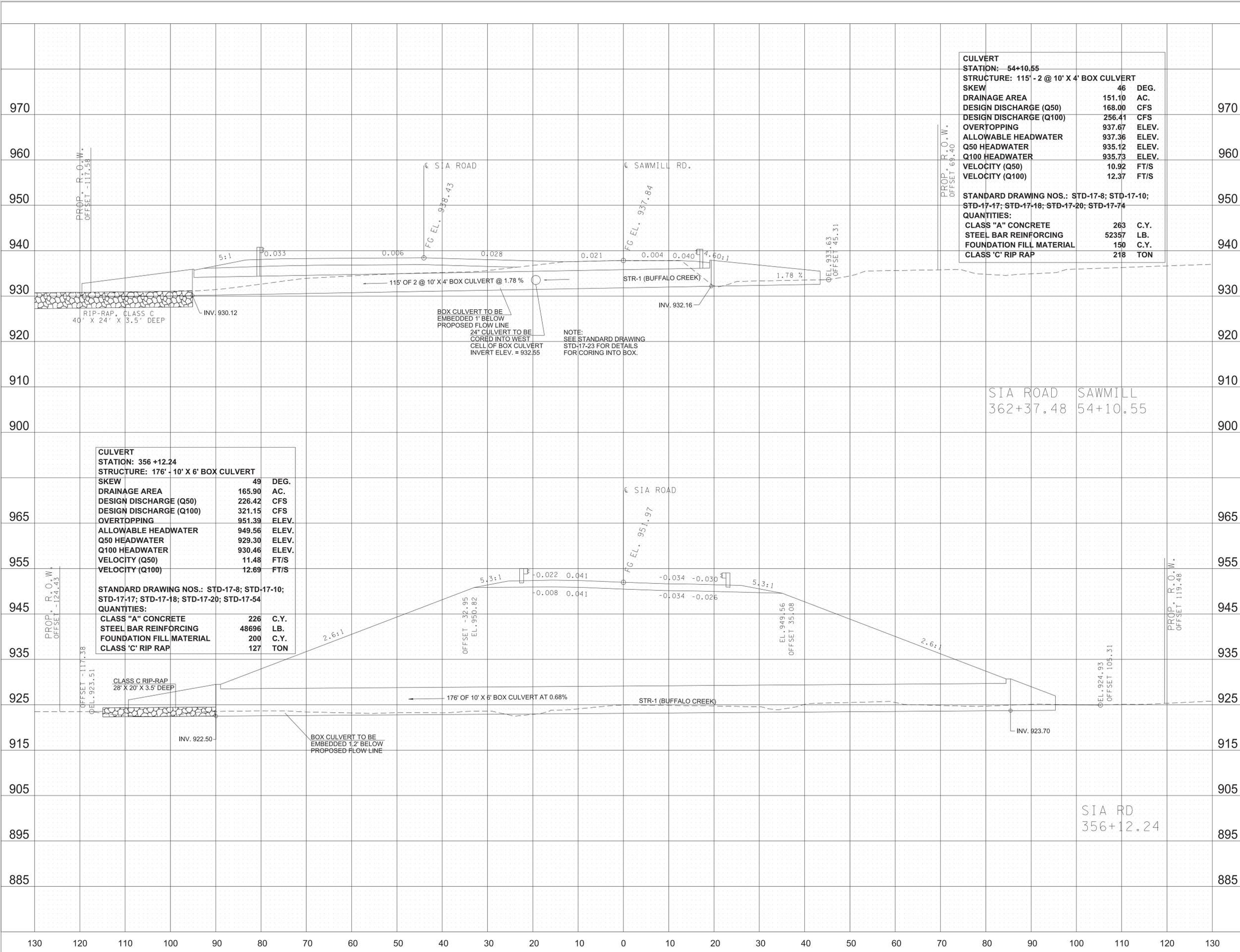
SEALED BY

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

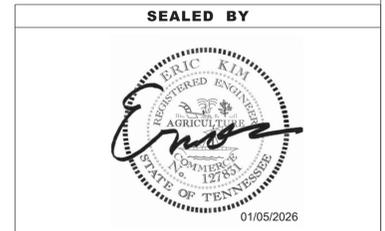
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP
 STA. 359+00.00 TO STA. 362+60.00
 SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	11
PS&E	2026	01952-3502-04	12



1/5/2026 10:09:39 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\012.sht



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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

EROSION PREVENTION AND SEDIMENT CONTROL SPECIAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	12
PS&E	2026	01952-3502-04	13

INSPECTION, MAINTENANCE AND REPAIR

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

GOOD HOUSEKEEPING MEASURES AND WASTE DISPOSAL

- (2) 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.
- (3) 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 LOCL, 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.
- (4) 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.
- (5) 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.
- (6) 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.
- (7) 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.
- (8) 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.
- (9) 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.
- (10) 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.
- (11) 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 BURNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE AND LOCAL PERMITS PRIOR TO ANY BURNING.
- (12) 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.

- (13) 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 PERMIT INCLUDING, BUT NOT LIMITED TO NPEDES, AQUATIC RESOURCES ALTERATION PERMIT(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

STREAMS, WETLANDS, AND BUFFER ZONES

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

1/5/2026 10:09:42 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\013.sht



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**EROSION
PREVENTION
AND SEDIMENT
CONTROL NOTES**

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	13
PS&E	2026	01952-3502-04	14

TABULATED EPSC QUANTITIES						
ITEM NO.	DESCRIPTION	UNIT	STAGE I QUANTITY 01925-3502-04	STAGE II QUANTITY	STAGE III QUANTITY	TOTAL QUANTITY
(1) 203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	16	2363		2379
209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.		136		136
209-03.31	STREAM MITIGATION-COCONUT FIBER ROLLS	L.F.			593	593
209-05	SEDIMENT REMOVAL	C.Y.		165		165
(2) 209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	1618	972		2590
209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	1031	149		1180
209-08.07	ROCK CHECK DAM	EACH	15	16		31
209-08.08	ENHANCED ROCK CHECK DAM	EACH	11	10		21
209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	2	2		4
209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.	409	409		818
209-65.04	TEMPORARY IN STREAM DIVERSION	L.F.		170		170
(3) 303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	58	58		116
(4)(5) 621-03.03	24" TEMPORARY DRAINAGE PIPE	L.F.	150	125		275
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	344	334		678
(6) 709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	100	50		150
(7) 709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	494	530		1024
(8) 740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	2194	1162		3356
740-11.02	TEMPORARY SEDIMENT TUBE 12IN	L.F.	1426			1426
801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	100			100
801-02	SEEDING (WITHOUT MULCH)	UNIT	100			100
(9) 805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.			10869	10869

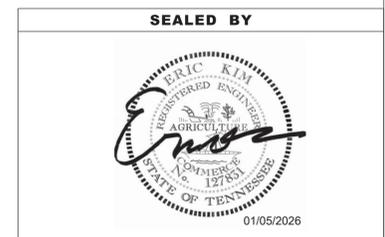
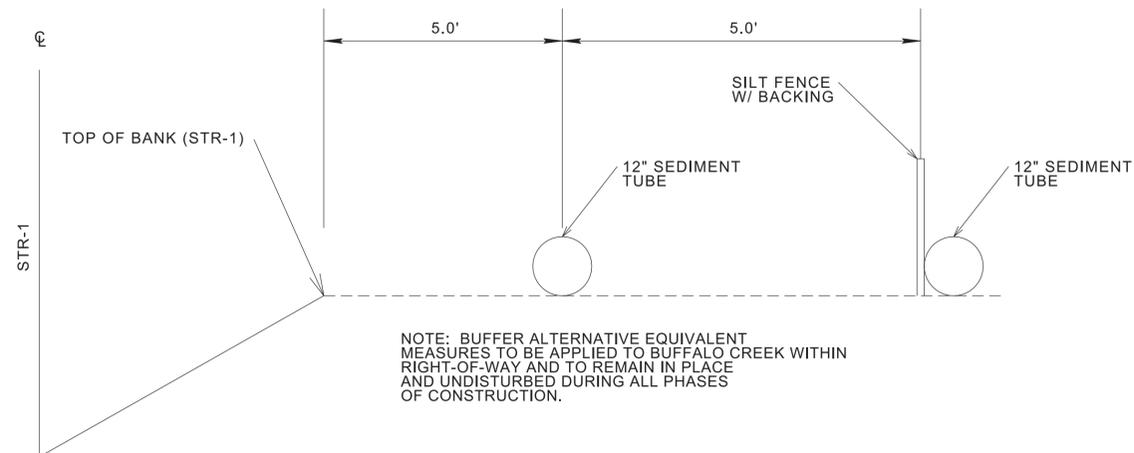
EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
	SEDIMENT FILTER BAG (15' X 15')	EC-STR-2
	SILT FENCE	EC-STR-3B
	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
	TEMPORARY CULVERT CROSSING (2 @ 24" TEMPORARY CULVERT AT EACH LOCATION)	EC-STR-25
	TEMPORARY 18" SLOPE DRAIN WITH TEMPORARY BERM	EC-STR-27
	INSTREAM DIVERSION	EC-STR-30 EC-STR-30A
	TEMPORARY DIVERSION CHANNEL (DESCRIBE-SIZE AND TYPE OF LINING)	EC-STR-31
	EROSION CONTROL BLANKET	EC-STR-34
	12 INCH SEDIMENT TUBE	EC-STR-37
	HIGH VISIBILITY FENCE	S-F-1

NOTE: ALL EPSC ITEMS ARE TO BE USED AS DIRECTED BY THE TDOT MANAGER. SEE SECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.

- (1) INCLUDES 24 CY FOR TEMPORARY CONSTRUCTION EXITS AND 2355 CY FOR TEMPORARY BERMS.
- (2) INCLUDES 360 LF FOR SEDIMENT FILTER BAGS AND 726 LF FOR BUFFER ALTERNATIVE.
- (3) INCLUDES 46 TONS FOR SEDIMENT FILTER BAGS AND 70 TONS FOR TEMPORARY CULVERT CROSSINGS.
- (4) INCLUDES 200 L.F. FOR TEMPORARY CULVERT CROSSINGS AND 75 L.F. FOR TEMPORARY CONSTRUCTION EXITS.
- (5) TEMPORARY DRAINAGE PIPE MATERIAL TO BE HDPE OR RCP.
- (6) TO BE USED FOR TEMPORARY CONSTRUCTION EXITS.
- (7) INCLUDES 36 TONS FOR TEMPORARY SLOPE DRAINS AND 988 TONS FOR TEMPORARY DIVERSION CHANNELS.
- (8) INCLUDES 258 SY FOR TEMPORARY CONSTRUCTION EXITS, 248 SY FOR SEDIMENT FILTER BAGS, AND 1126 SY FOR TEMPORARY DIVERSION CHANNEL.
- (9) MONOFILAMENT EROSION CONTROL BLANKETS MAY NOT BE USED WITHIN 30 FEET OF TOP OF BANK.

DETAIL OF BUFFER ALTERNATIVE EQUIVALENT MEASURE

(NOT TO SCALE)



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) LEGEND AND TABULATION

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	14
PS&E	2026	01952-3502-04	15

REV. 09/13/24: REVISED TRACT 1 AND 3 CONSTRUCTION EASEMENT.

REV. 01/25/25: REVISED TRACT 1 DRIVEWAY; REVISED TRACT 1, 2, AND 3 RIGHT-OF-WAY; REVISED TRACT 1 AND 3 CONSTRUCTION EASEMENT.

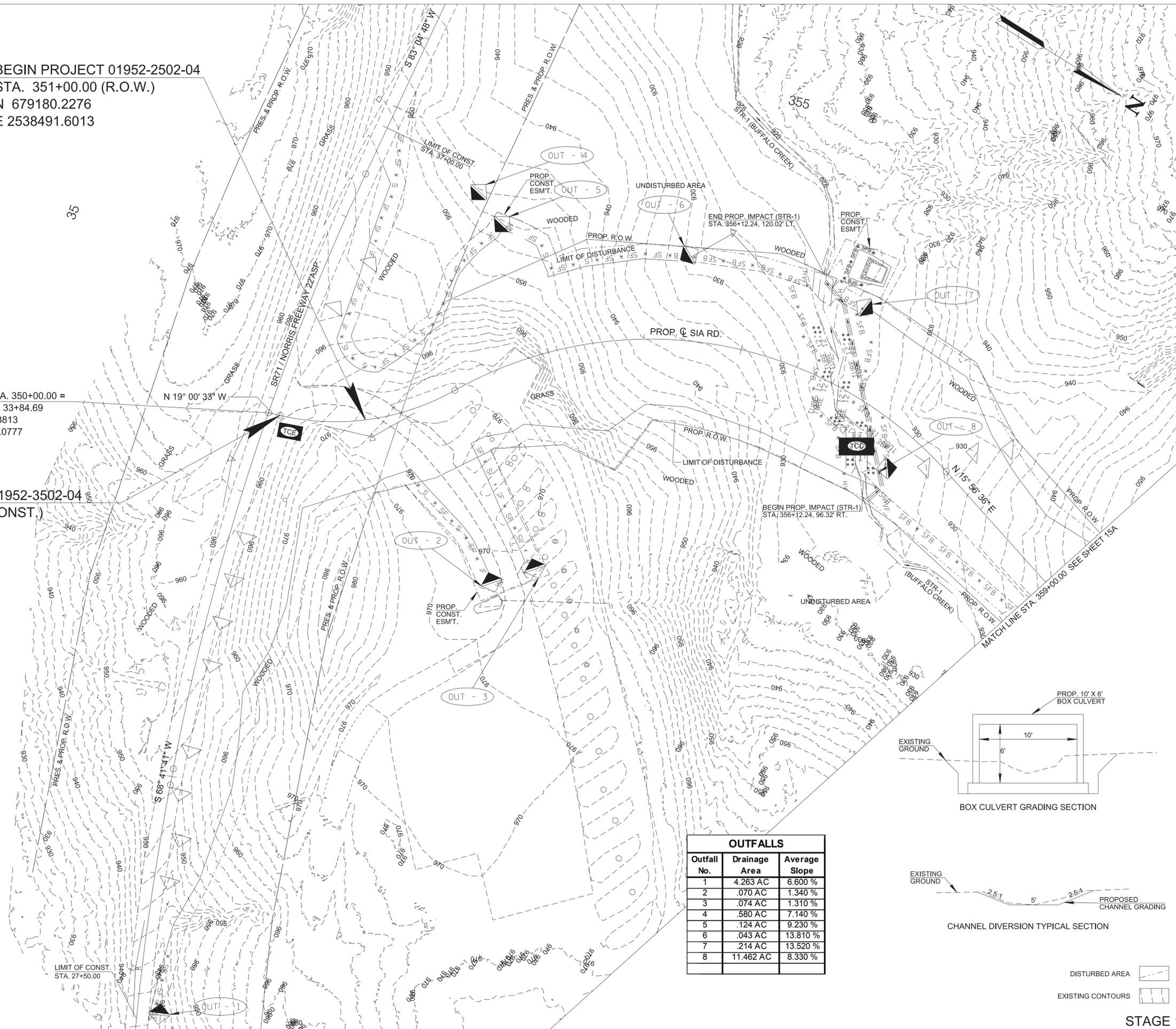
BEGIN PROJECT 01952-2502-04
 STA. 351+00.00 (R.O.W.)
 N 679180.2276
 E 2538491.6013

SIA-RD STA. 350+00.00 =
 SR71 STA. 33+84.69
 N 679092.3813
 E 2538538.0777

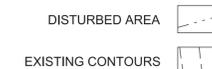
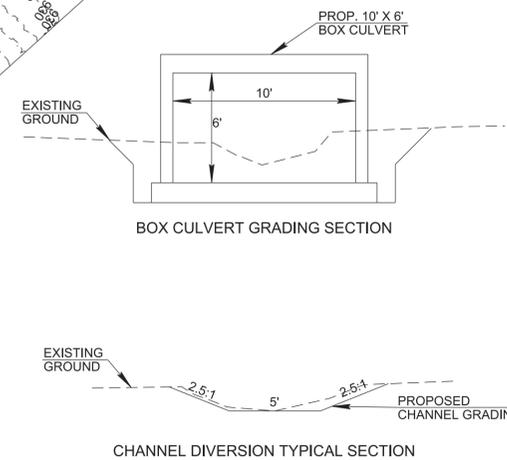
BEGIN PROJECT 01952-3502-04
 STA. 350+12.00 (CONST.)
 N 679103.7269
 E 2538534.1691

UNDISTURBED AREA

30



OUTFALLS		
Outfall No.	Drainage Area	Average Slope
1	4.263 AC	6.600 %
2	.070 AC	1.340 %
3	.074 AC	1.310 %
4	.580 AC	7.140 %
5	.124 AC	9.230 %
6	.043 AC	13.810 %
7	.214 AC	13.520 %
8	11.462 AC	8.330 %



STAGE 1

SEALED BY

01/05/2026

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

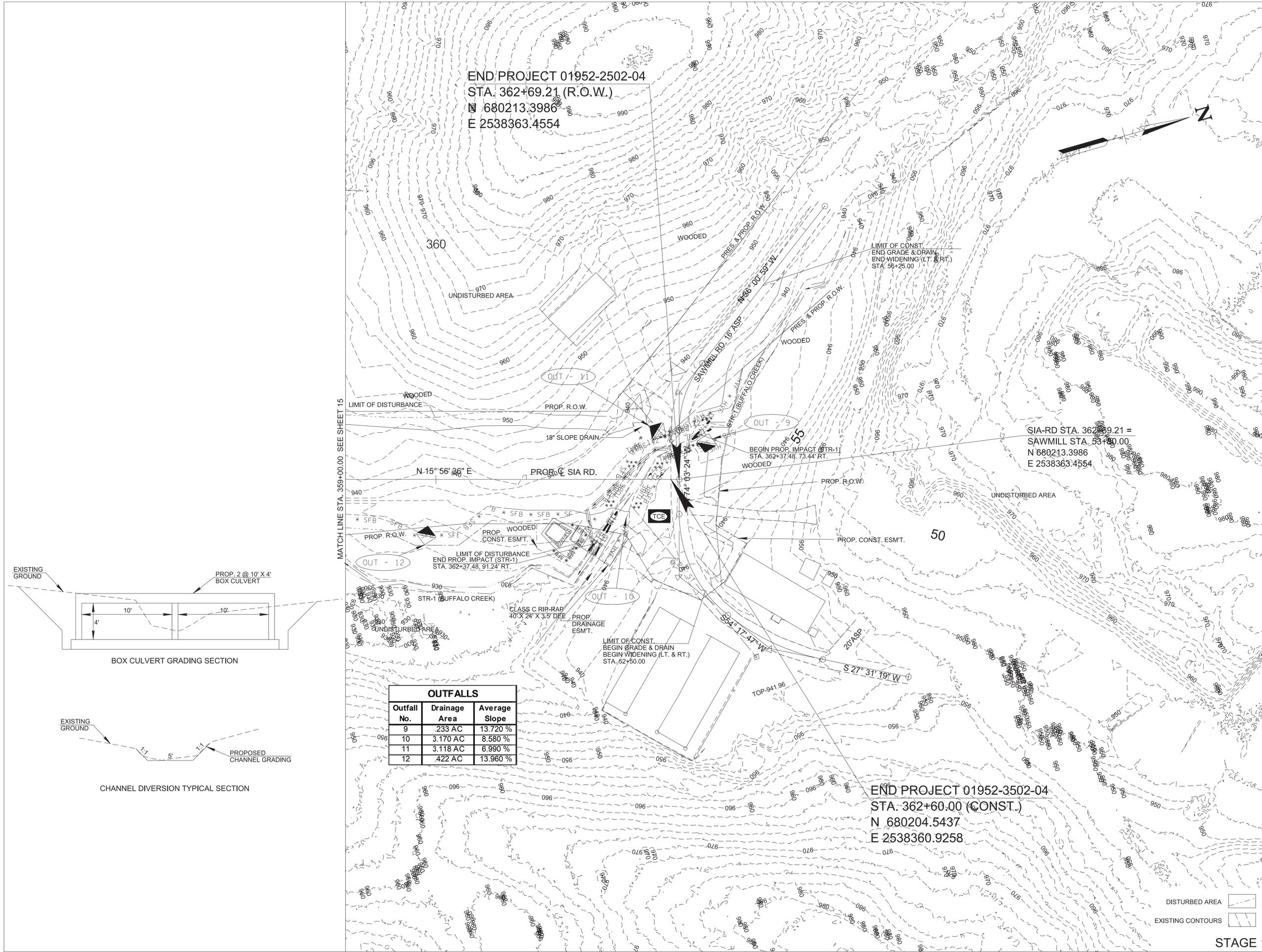
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 350+12.00 TO STA. 359+00.00
 SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	14A
PS&E	2026	01952-3502-04	15A

REV. 09/13/24: REVISED AREA TO BE ACQUIRED FOR TRACT 2, 5, 6 AND 8. REVISED CONSTRUCTION EASEMENT TRACT 2, 5, AND 8. ADDED DRAINAGE EASEMENT TRACT 2 AND 5. REMOVED CONSTRUCTION EASEMENT AND SLOPE EASEMENT FOR TRACT 6.

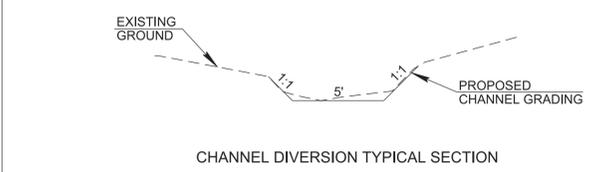
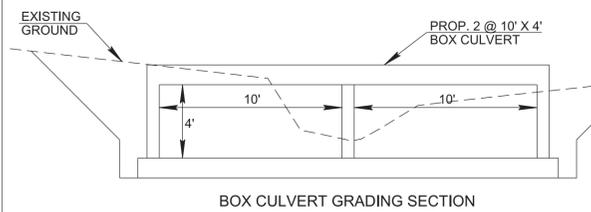


END PROJECT 01952-2502-04
 STA. 362+69.21 (R.O.W.)
 N 680213.3986
 E 2538363.4554

SIA-RD STA. 362+69.21 =
 SAWMILL STA. 53+80.00
 N 680213.3986
 E 2538363.4554

END PROJECT 01952-3502-04
 STA. 362+60.00 (CONST.)
 N 680204.5437
 E 2538360.9258

OUTFALLS		
Outfall No.	Drainage Area	Average Slope
9	233 AC	13.720 %
10	3.170 AC	8.580 %
11	3.118 AC	6.990 %
12	422 AC	13.960 %



SEALED BY

01/05/2026

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

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 359+00.00 TO STA. 362+69.21
 SCALE: 1"= 50'

1/5/2026 10:10:18 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\1015A.sht

STAGE 1

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	15
PS&E	2026	01952-3502-04	16

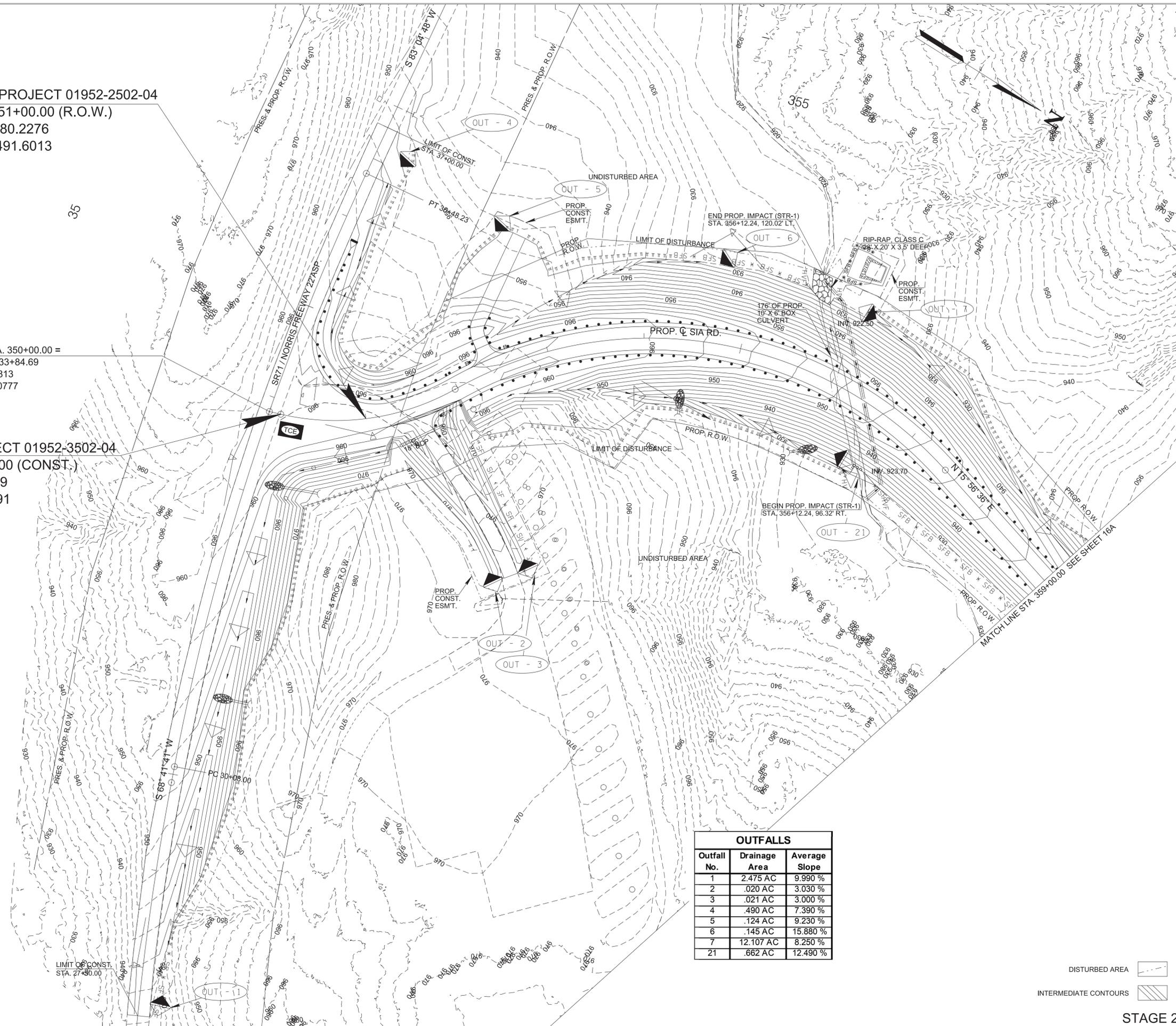
REV. 09/13/24: REVISED TRACT 1 AND 3 CONSTRUCTION EASEMENT. REVISED TRACT 1 DRIVEWAY.

REV. 01/25/25: REVISED TRACT 1 DRIVEWAY; REVISED TRACT 1, 2, AND 3 RIGHT-OF-WAY; REVISED TRACT 1 AND 3 CONSTRUCTION EASEMENT

BEGIN PROJECT 01952-2502-04
 STA. 351+00.00 (R.O.W.)
 N 679180.2276
 E 2538491.6013

SIA-RD STA. 350+00.00 =
 SR71 STA. 33+84.69
 N 679092.3813
 E 2538538.0777

BEGIN PROJECT 01952-3502-04
 STA. 350+12.00 (CONST.)
 N 679103.7269
 E 2538534.1691



OUTFALLS		
Outfall No.	Drainage Area	Average Slope
1	2.475 AC	9.990 %
2	.020 AC	3.030 %
3	.021 AC	3.000 %
4	.490 AC	7.390 %
5	.124 AC	9.230 %
6	.145 AC	15.880 %
7	12.107 AC	8.250 %
21	.662 AC	12.490 %

DISTURBED AREA 
 INTERMEDIATE CONTOURS 



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

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 350+12.00 TO STA. 359+00.00
 SCALE: 1"= 50'

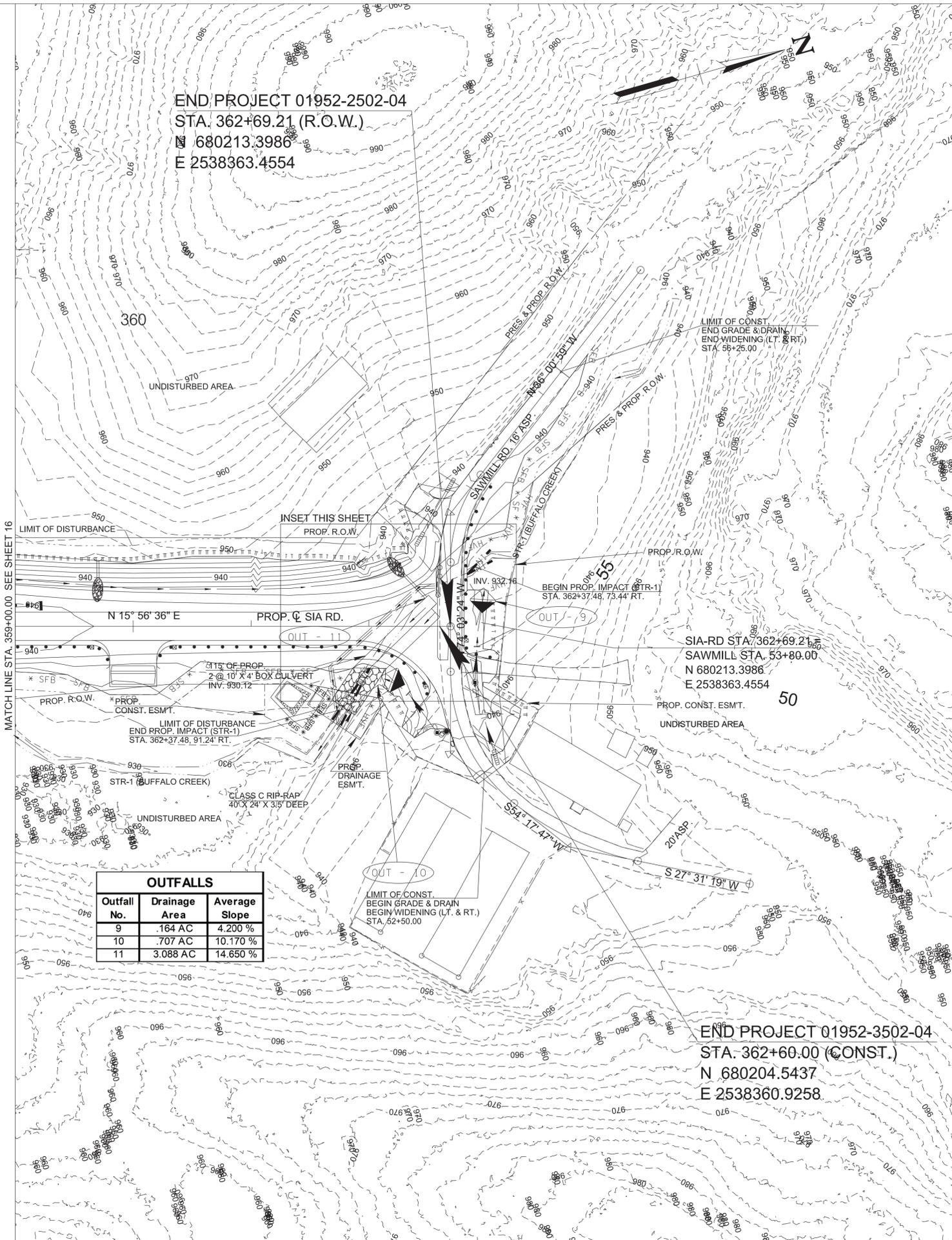
STAGE 2

35

30

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	15A
PS&E	2026	01952-3502-04	16A

REV. 09/13/24: ADDED FIELD ENTRANCE AND SIDE DRAIN TRACT 5. REVISED SIDE DRAIN TRACT 8 AND 9. REVISED AREA TO BE ACQUIRED FOR TRACT 2, 5, 6, AND 8. REVISED CONSTRUCTION EASEMENT TRACT 2, 5, AND 8. ADDED DRAINAGE EASEMENT TRACT 2 AND 5. REMOVED CONSTRUCTION EASEMENT AND SLOPE EASEMENT FOR TRACT 6.



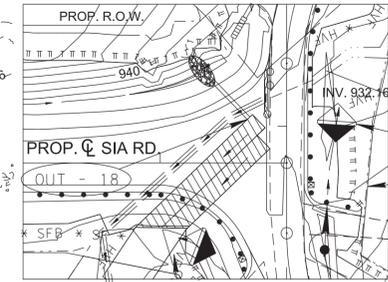
END PROJECT 01952-2502-04
 STA. 362+69.21 (R.O.W.)
 N 680213.3986
 E 2538363.4554

LIMIT OF CONST.
 END GRADE & DRAIN
 END WIDENING (LT. & RT.)
 STA. 55+25.00

SIA-RD STA. 362+69.21
 SAWMILL STA. 53+80.00
 N 680213.3986
 E 2538363.4554

END PROJECT 01952-3502-04
 STA. 362+60.00 (CONST.)
 N 680204.5437
 E 2538360.9258

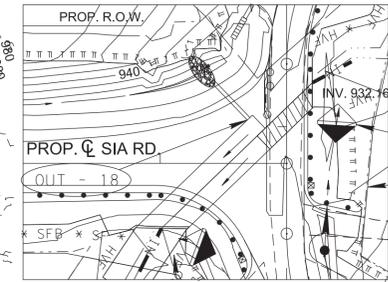
OUTFALLS		
Outfall No.	Drainage Area	Average Slope
9	.164 AC	4.200 %
10	.707 AC	10.170 %
11	3.088 AC	14.650 %



STAGE 2-1
 USE DIVERSION CHANNEL TO ROUTE STREAM FLOW AROUND PROPOSED 2 @ 10' X 4' BOX CULVERT.

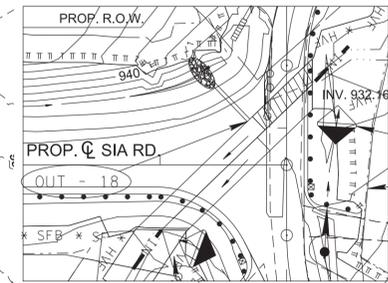
CONSTRUCT PORTION OF BOX CULVERT TO NEAR SAWMILL ROAD INTERSECTION AS SHOWN IN PLANS AND INSET.

INSTALL 24" INCLUDING CORING INTO THE WEST CELL OF THE PROPOSED BOX CULVERT.



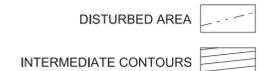
STAGE 2-2
 REMOVE DIVERSION CHANNEL FROM PREVIOUS PHASE AND ROUTE STREAM FLOW INTO WEST CELL OF PROPOSED BOX CULVERT.

CONSTRUCT REMAINDER OF EAST CELL OF BOX CULVERT AS SHOWN IN THE PLANS AND INSET.



STAGE 2-3
 ROUTE STREAM FLOW INTO COMPLETED EAST CELL OF PROPOSED BOX CULVERT.

CONSTRUCT REMAINDER OF WEST CELL OF BOX CULVERT AS SHOWN IN THE PLANS AND INSET.



SEALED BY

01/05/2026

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

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 359+00.00 TO STA. 362+60.00
 SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	16
PS&E	2026	01952-3502-04	17

REV. 09/11/24: REVISED TRACT 1 AND 3 CONSTRUCTION EASEMENT.

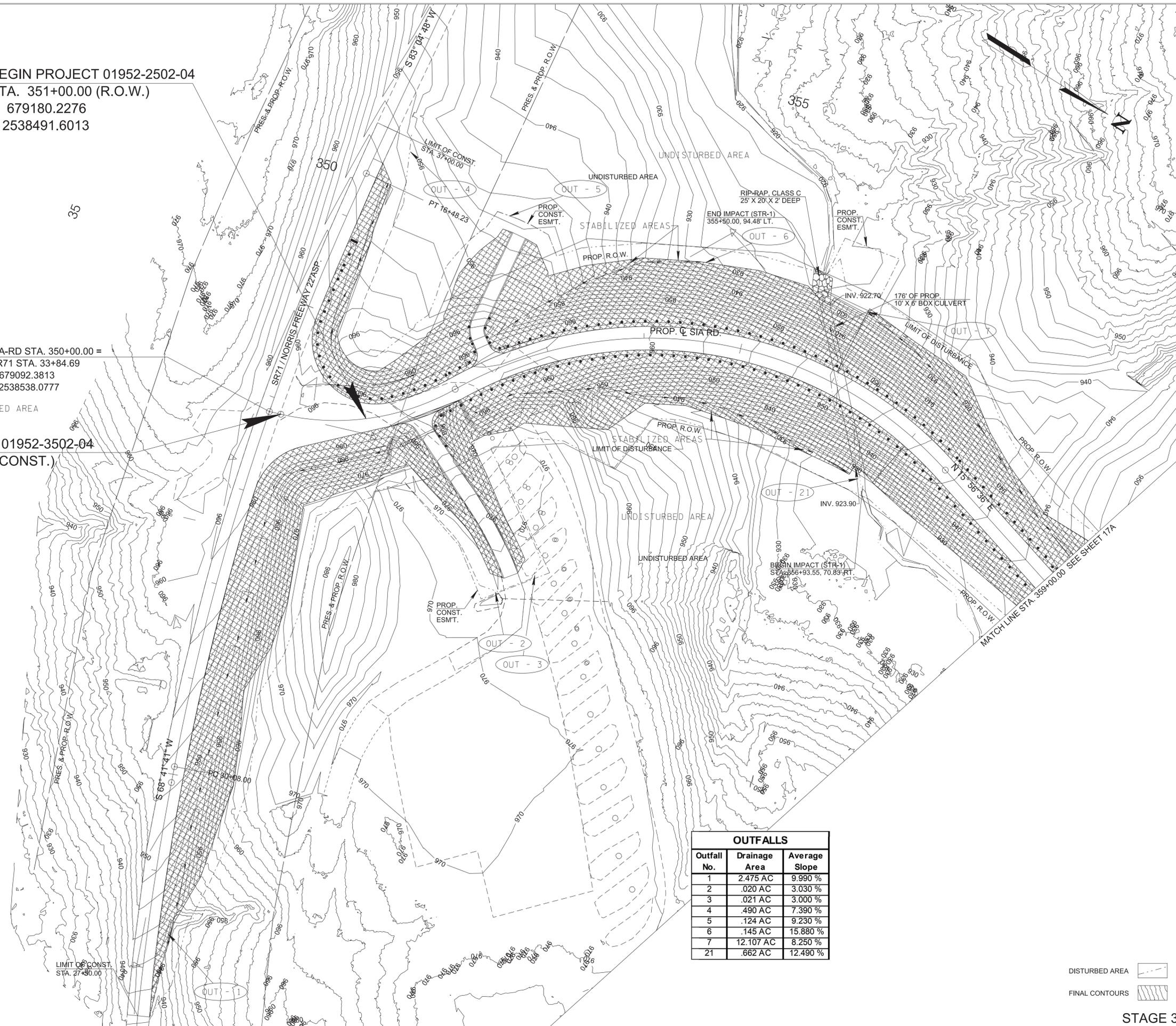
REV. 01/25/25: REVISED TRACT 1 DRIVEWAY; REVISED TRACT 1, 2, AND 3 RIGHT-OF-WAY; REVISED TRACT 1 AND 3 CONSTRUCTION EASEMENT.

BEGIN PROJECT 01952-2502-04
 STA. 351+00.00 (R.O.W.)
 N 679180.2276
 E 2538491.6013

SIA-RD STA. 350+00.00 =
 SR71 STA. 33+84.69
 N 679092.3813
 E 2538538.0777

BEGIN PROJECT 01952-3502-04
 STA. 350+12.00 (CONST.)
 N 679103.7269
 E 2538534.1691

1/5/2026 10:10:25 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\017.sht



OUTFALLS		
Outfall No.	Drainage Area	Average Slope
1	2.475 AC	9.990 %
2	.020 AC	3.030 %
3	.021 AC	3.000 %
4	.490 AC	7.390 %
5	.124 AC	9.230 %
6	.145 AC	15.880 %
7	12.107 AC	8.250 %
21	.662 AC	12.490 %

DISTURBED AREA 
 FINAL CONTOURS 

SEALED BY



01/05/2026

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

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

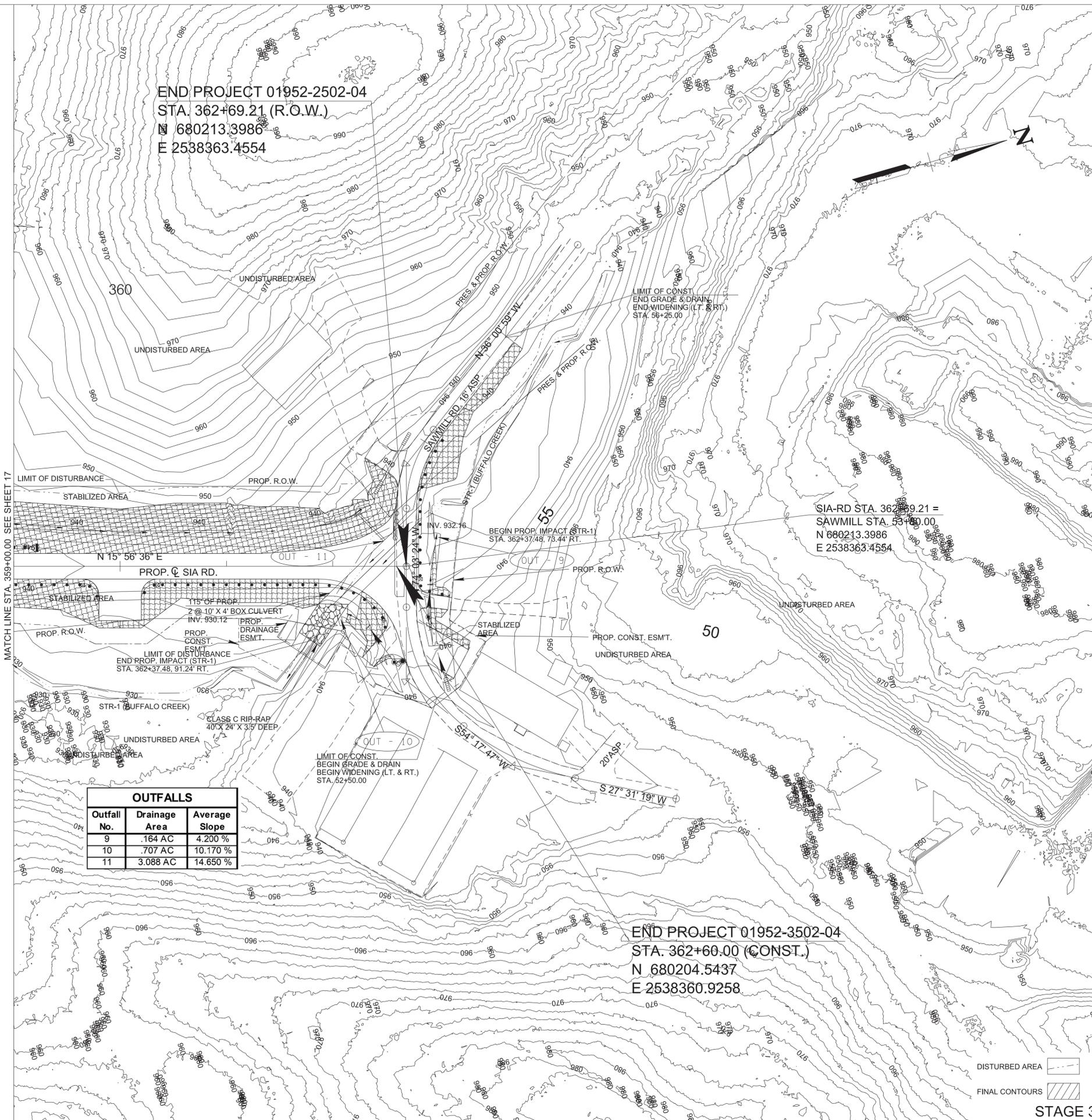
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 350+12.00 TO STA. 359+00.00
 SCALE: 1" = 50'

STAGE 3

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	16A
PS&E	2026	01952-3502-04	17A

REV. 09/13/24: ADDED FIELD ENTRANCE AND SIDE DRAIN TRACT 5. REVISED SIDE DRAIN TRACT 8 AND 9. REVISED AREA TO BE ACQUIRED FOR TRACT 2, 5, 6, AND 8. REVISED CONSTRUCTION EASEMENT TRACT 2, 5, AND 8. ADDED DRAINAGE EASEMENT TRACT 2 AND 5. REMOVED CONSTRUCTION EASEMENT AND SLOPE EASEMENT FOR TRACT 6.



END PROJECT 01952-2502-04
 STA. 362+69.21 (R.O.W.)
 N 680213.3986
 E 2538363.4554

SIA-RD STA. 362+69.21 =
 SAWMILL STA. 53+80.00
 N 680213.3986
 E 2538363.4554

END PROJECT 01952-3502-04
 STA. 362+60.00 (CONST.)
 N 680204.5437
 E 2538360.9258

OUTFALLS		
Outfall No.	Drainage Area	Average Slope
9	.164 AC	4.200 %
10	.707 AC	10.170 %
11	3.088 AC	14.650 %

SEALED BY

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

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

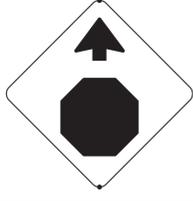
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 359+00.00 TO STA. 362+60.00
 SCALE: 1" = 50'

12/19/2025 9:34:02 AM L:\SURVDESIGN\Traffic_Design\Projects\128962-00-Anderson STA\SIGNING AND PAVEMENT MARKING\018-SignSchedule.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	01952-3502-04	18
PS&E	2026	01952-3502-04	18

SIGN NO.	LEGEND	SHEET NO.	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					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.		MINIMUM VERTICAL CLEARANCE
1	 W11-10	4B	36"	36"									BLACK (REF.)	YELLOW (REF.)	0.100" SHEET ALUMINUM	P5	h =12'-9"	TYPE 4 1'-0" DIA	0.12	24.9	5'	P5 & P6 SUPPORTS REQUIRED SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB)- SEE DETAIL D ON STD. DWG. T-S23A
5																P5	h =12'-9"	TYPE 4 1'-0" DIA	0.12	24.9	5'	
2	 W2-2R	4B	36"	36"									BLACK (REF.)	YELLOW (REF.)	0.100" SHEET ALUMINUM	P4	h =11'-6"				5'	
3	 R1-1	4B	36"	36"									WHITE (REF.)	RED (REF.)	0.100" SHEET ALUMINUM	P5	h =12'-9"	TYPE 4 1'-0" DIA	0.12	24.9	5'	P5 SUPPORTS REQUIRED SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB)- SEE DETAIL D ON STD. DWG. T-S23A
9		5B														P5	h =12'-9"	TYPE 4 1'-0" DIA	0.12	24.9	5'	
4	 W2-2L	4B	36"	36"									BLACK (REF.)	YELLOW (REF.)	0.100" SHEET ALUMINUM	P3	h =11'-6"				5'	
6	 W3-1	4B	36"	36"									BLACK (REF.)	YELLOW/RED (REF.)	0.100" SHEET ALUMINUM	P5	h =16'-4"	TYPE 4 1'-0" DIA	0.12	24.9	5'	P5 SUPPORTS REQUIRED SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB)- SEE DETAIL D ON STD. DWG. T-S23A
7		5B														P3	h =11'-7"				5'	
8	 W1-2L	4B	36"	36"									BLACK (REF.)	YELLOW (REF.)	0.100" SHEET ALUMINUM	P4	h =14'-9"				5'	

SEALED BY



1/5/2026

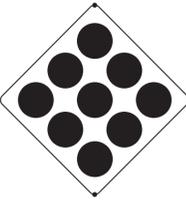
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN
SCHEDULE
SHEET

10/28/2025 1:48:12 PM \\ttdot01nas002.tdot.state.tn.us\01Shared\SUR\DESIGN\PROJECTS\Traffic_Design\Projects\128962-00-Anderson SIA\SIGNING AND PAVEMENT MARKING\018A-SignSchedule.sht

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC.	2025	01952-3502-04	18A
PS&E	2026	01952-3502-04	18A

SIGN NO.	LEGEND	SHEET NO.	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					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.		MINIMUM VERTICAL CLEARANCE
10	 OM4-1	5B	30"	30"										RED (REF.)	0.100" SHEET ALUMINUM	P5	h = 11'-11"	TYPE 4 1'-0" DIA	0.12	24.9	5'	P5 & P6 SUPPORTS REQUIRED SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB)- SEE DETAIL D ON STD. DWG. T-S23A
11																P5	h = 11'-11"	TYPE 4 1'-0" DIA	0.12	24.9	5'	

SEALED BY

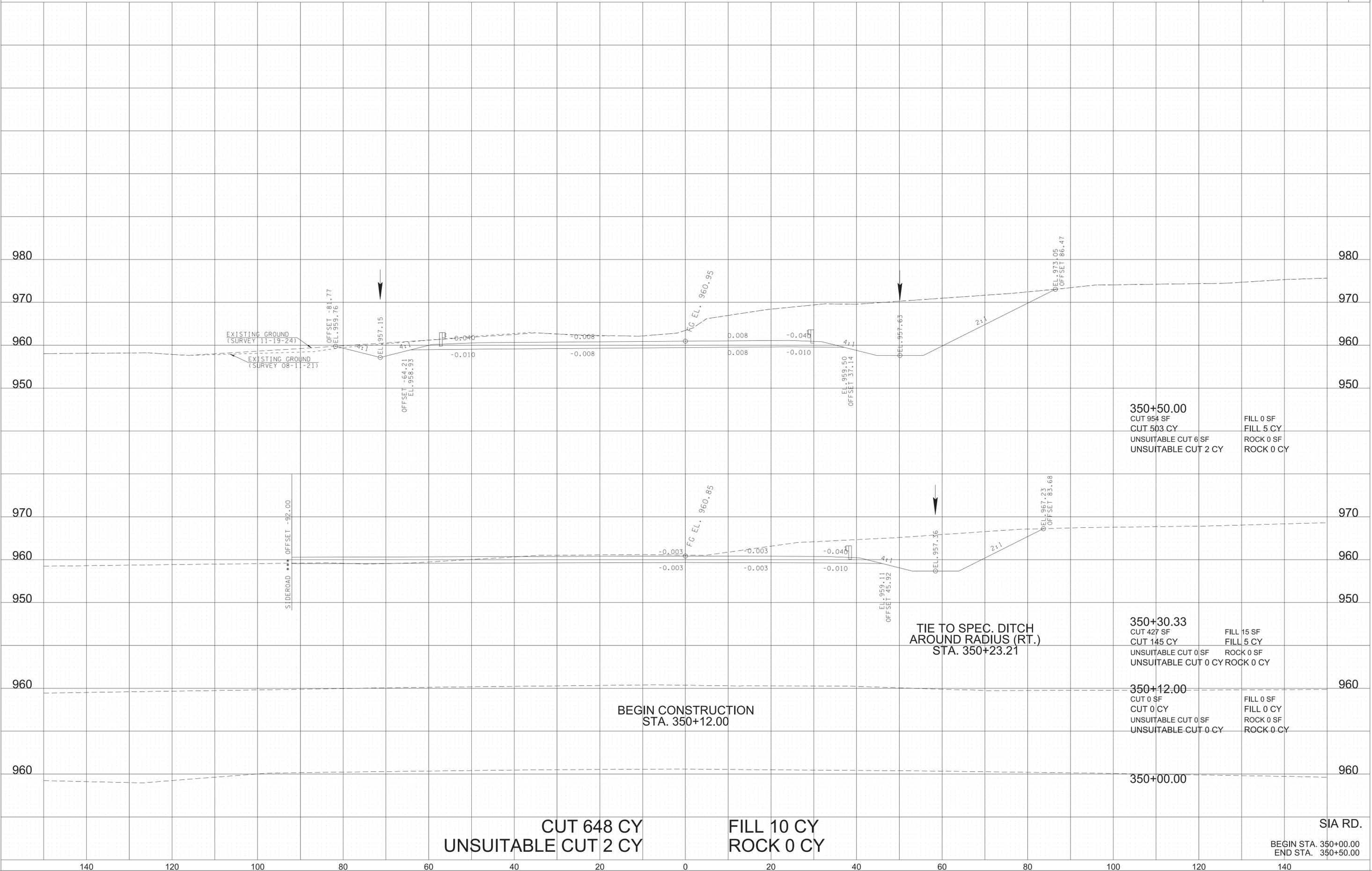


1/5/2026

**STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION**

**SIGN
 SCHEDULE
 SHEET**

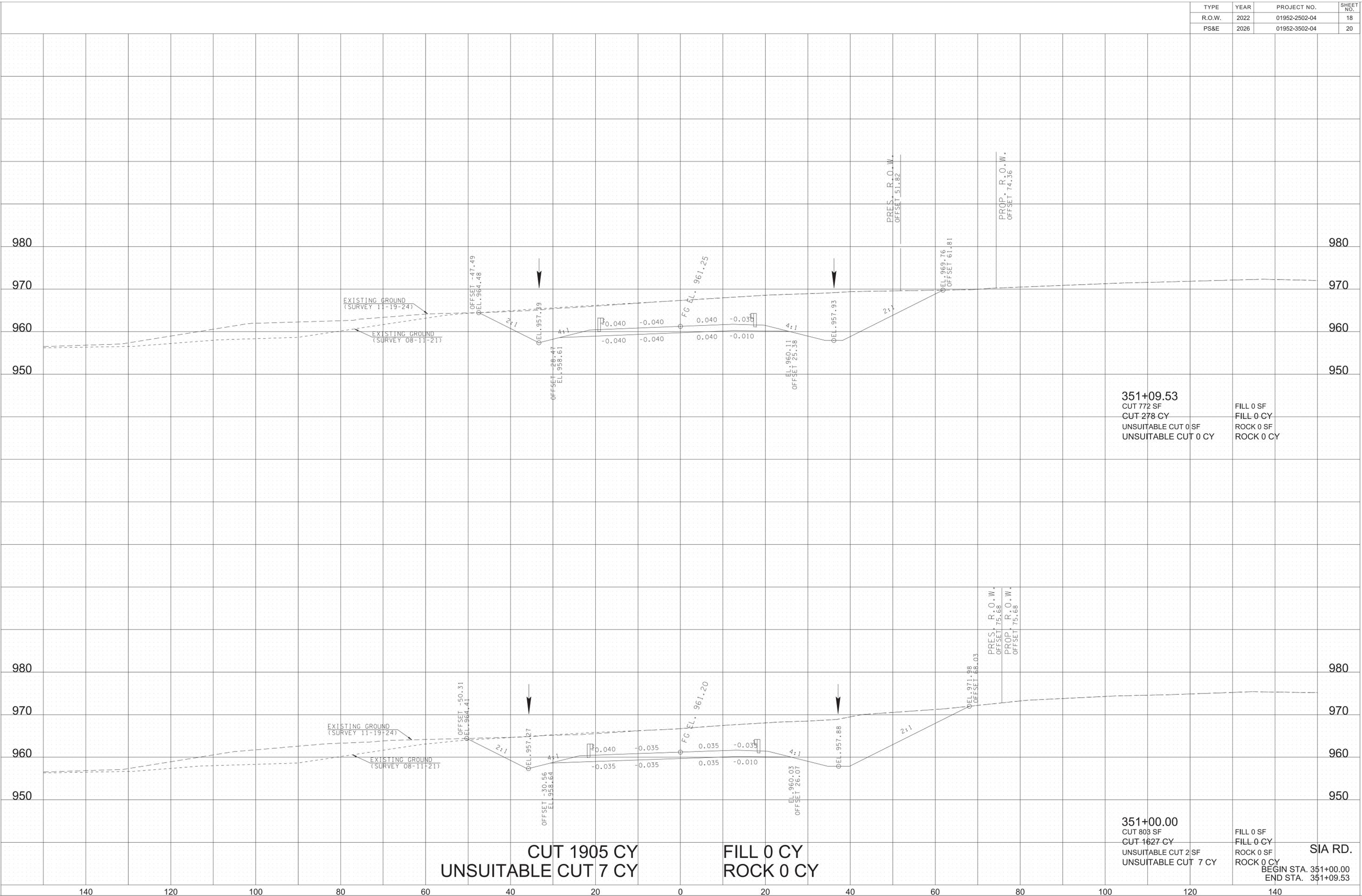
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	17
PS&E	2026	01952-3502-04	19



1/5/2026 10:10:32 AM
 L:\SURVDES\Design\PROJECTS\Anderson Co Norris SIA PIN 128962.00\019-030-XSSheetsPSE.sht

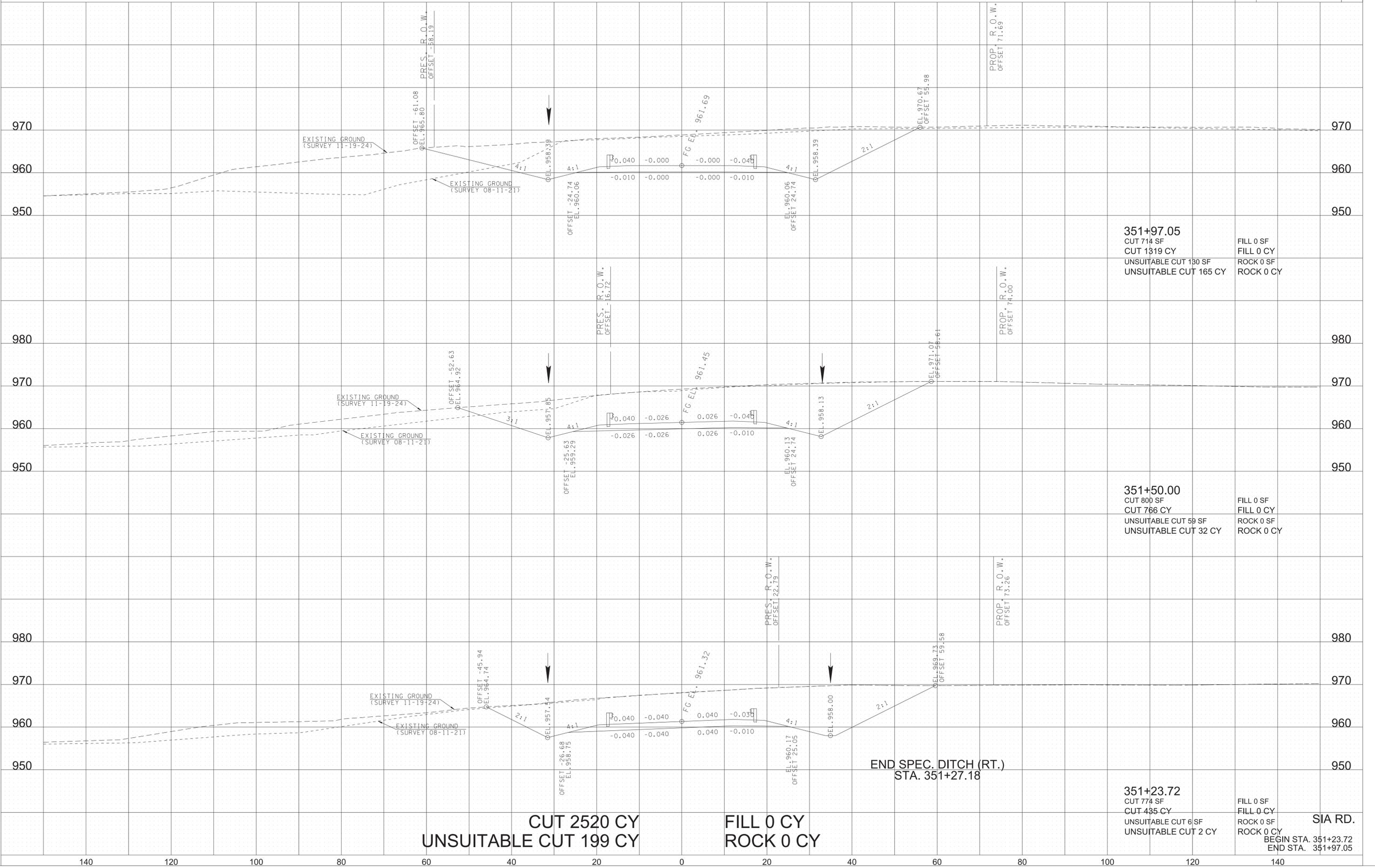
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	18
PS&E	2026	01952-3502-04	20

1/5/2026 10:10:33 AM
L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\019-030-XSSheets\PSE.sht



1/5/2026 10:10:34 AM
 L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\019-030-XSSheetsPSE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	19
PS&E	2026	01952-3502-04	21



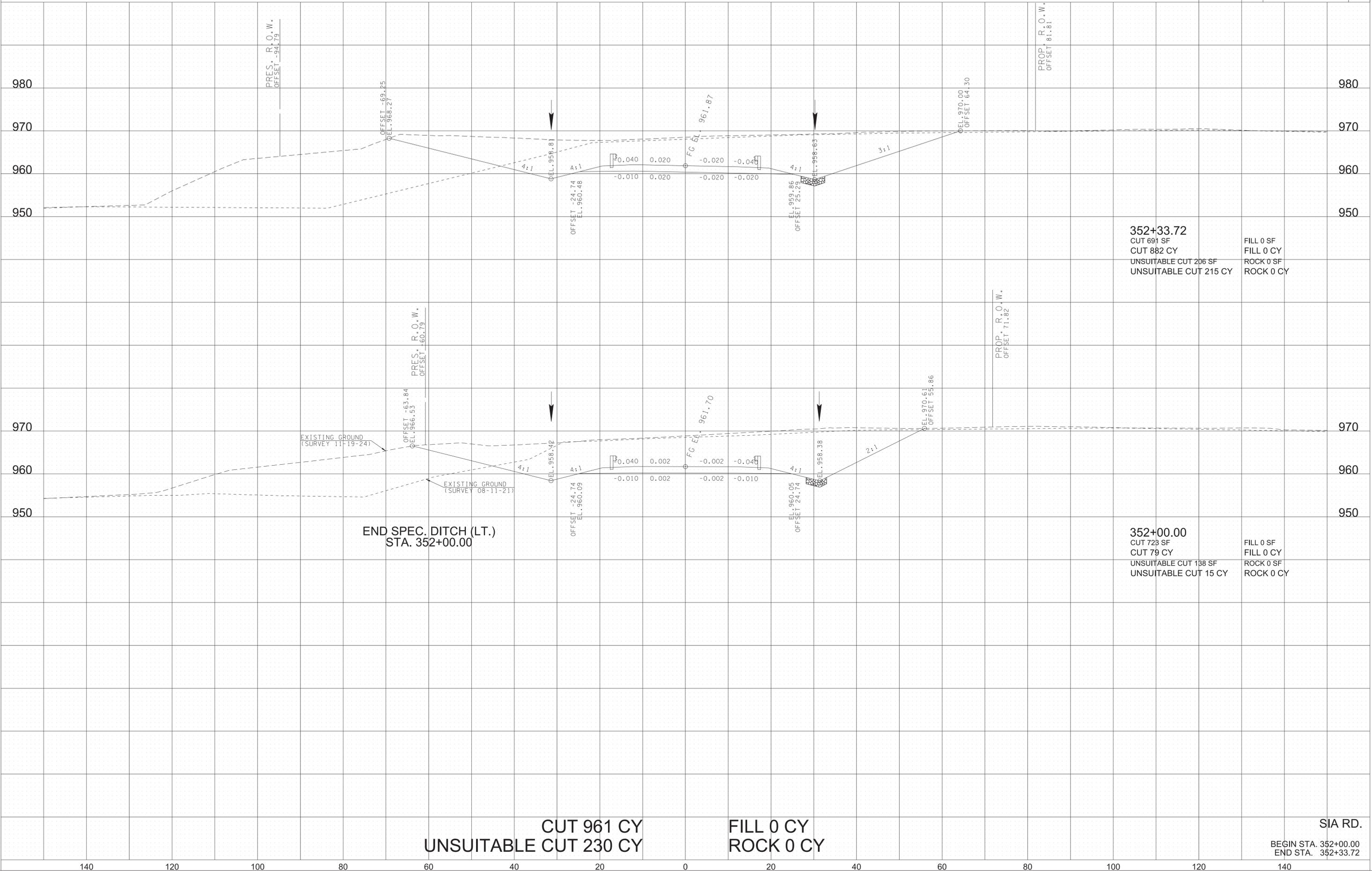
CUT 2520 CY
UNSUITABLE CUT 199 CY

FILL 0 CY
ROCK 0 CY

SIA RD.

BEGIN STA. 351+23.72
 END STA. 351+97.05

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	20
PS&E	2026	01952-3502-04	22



352+33.72
 CUT 691 SF
 CUT 882 CY
 UNSUITABLE CUT 206 SF
 UNSUITABLE CUT 215 CY

FILL 0 SF
 FILL 0 CY
 ROCK 0 SF
 ROCK 0 CY

352+00.00
 CUT 723 SF
 CUT 79 CY
 UNSUITABLE CUT 138 SF
 UNSUITABLE CUT 15 CY

FILL 0 SF
 FILL 0 CY
 ROCK 0 SF
 ROCK 0 CY

END SPEC. DITCH (LT.)
 STA. 352+00.00

CUT 961 CY
UNSUITABLE CUT 230 CY

FILL 0 CY
ROCK 0 CY

SIA RD.

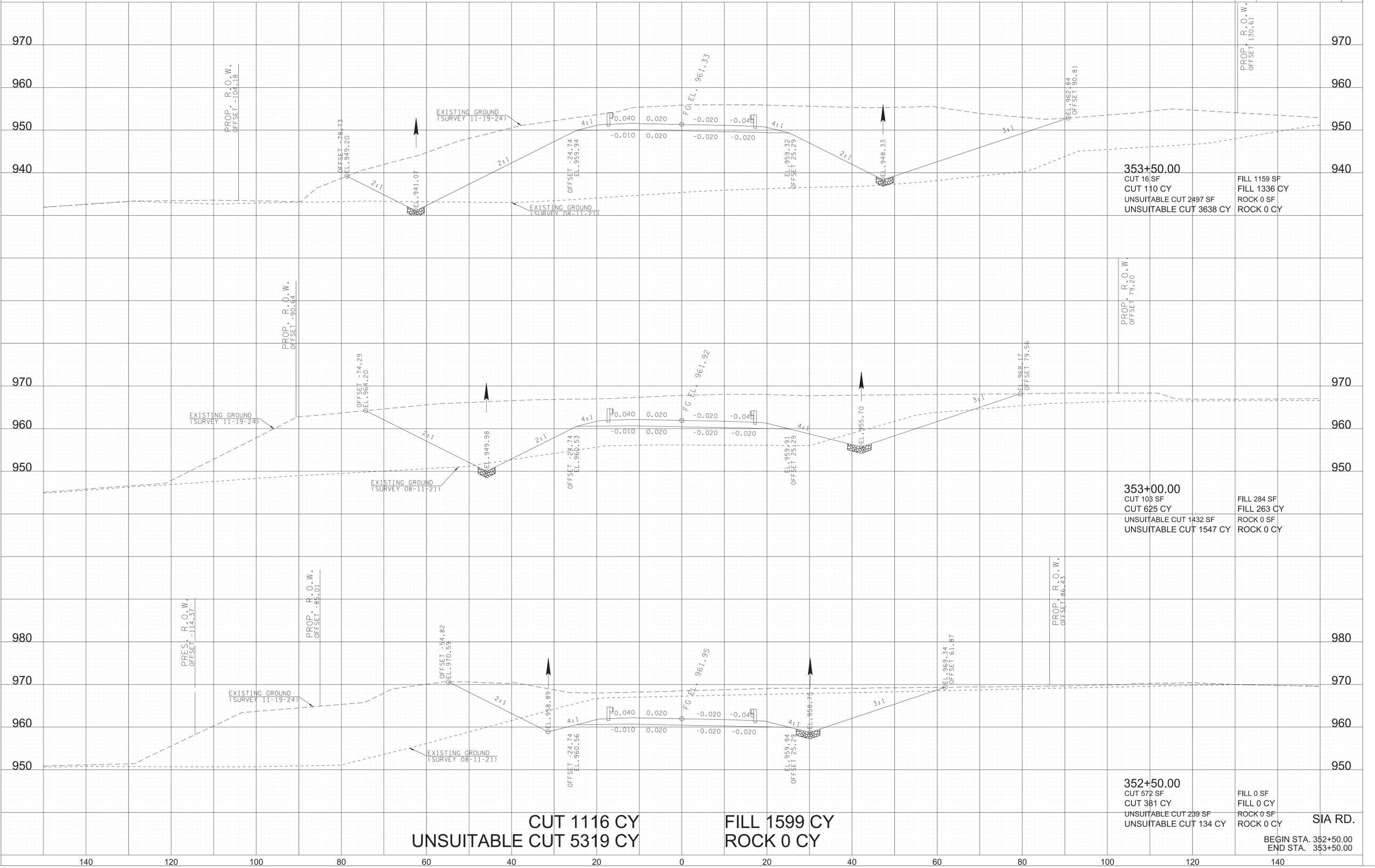
BEGIN STA. 352+00.00
 END STA. 352+33.72

1/5/2026 10:10:35 AM
 L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\019-030-XSSheetsPSE.sht

1/5/2026 10:10:36 AM

L:\SURVDES\Design\PROJECTS\Anderson Co Norris SIA PIN 128962.00\019-030-XSSheetsPSE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	21
PS&E	2026	01952-3502-04	23

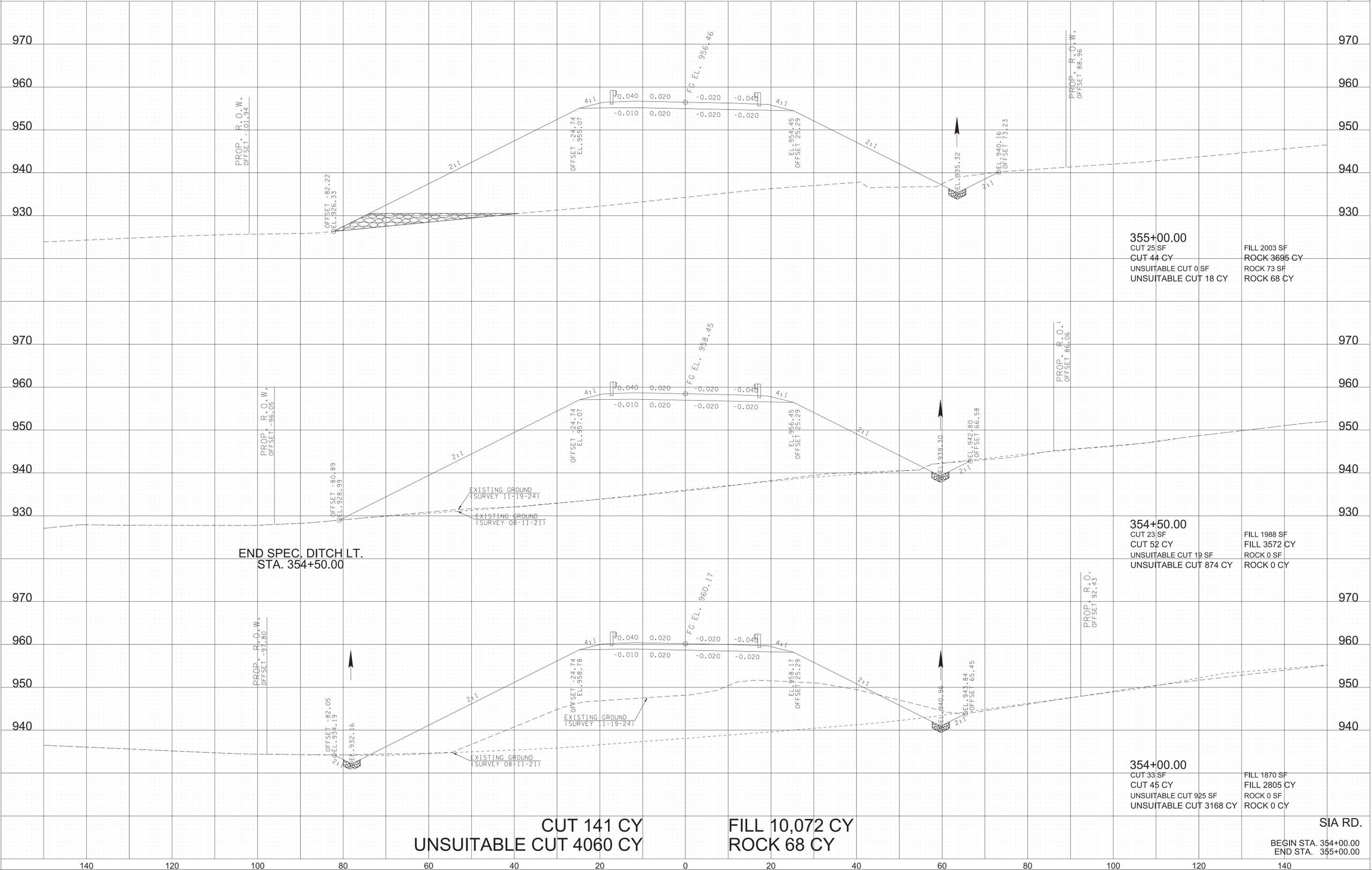


CUT 1116 CY
UNSUITABLE CUT 5319 CY

FILL 1599 CY
ROCK 0 CY

SIA RD.
 BEGIN STA. 352+50.00
 END STA. 353+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	22
PS&E	2026	01952-3502-04	24



END SPEC. DITCH LT.
STA. 354+50.00

CUT 141 CY
UNSUITABLE CUT 4060 CY

FILL 10,072 CY
ROCK 68 CY

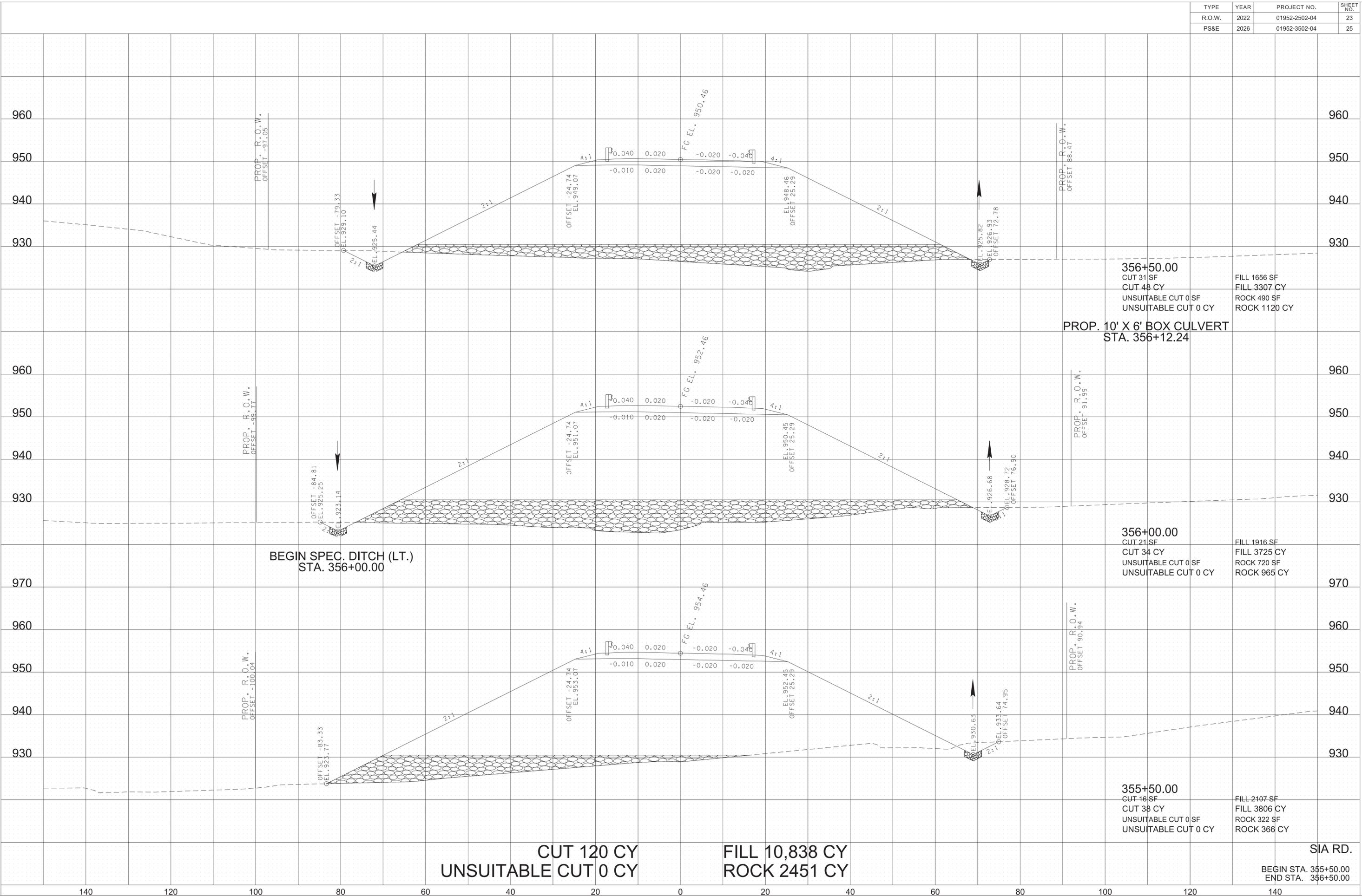
SIA RD.

BEGIN STA. 354+00.00
END STA. 355+00.00

1/5/2026 10:10:38 AM
L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\019-030-XSSheetsPSE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	23
PS&E	2026	01952-3502-04	25

1/5/2026 10:10:39 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\019-030-XSSheetsPSE.sht



356+50.00
 CUT 31 SF
 CUT 48 CY
 UNSUITABLE CUT 0 SF
 UNSUITABLE CUT 0 CY
 FILL 1656 SF
 FILL 3307 CY
 ROCK 490 SF
 ROCK 1120 CY
PROP. 10' X 6' BOX CULVERT
 STA. 356+12.24

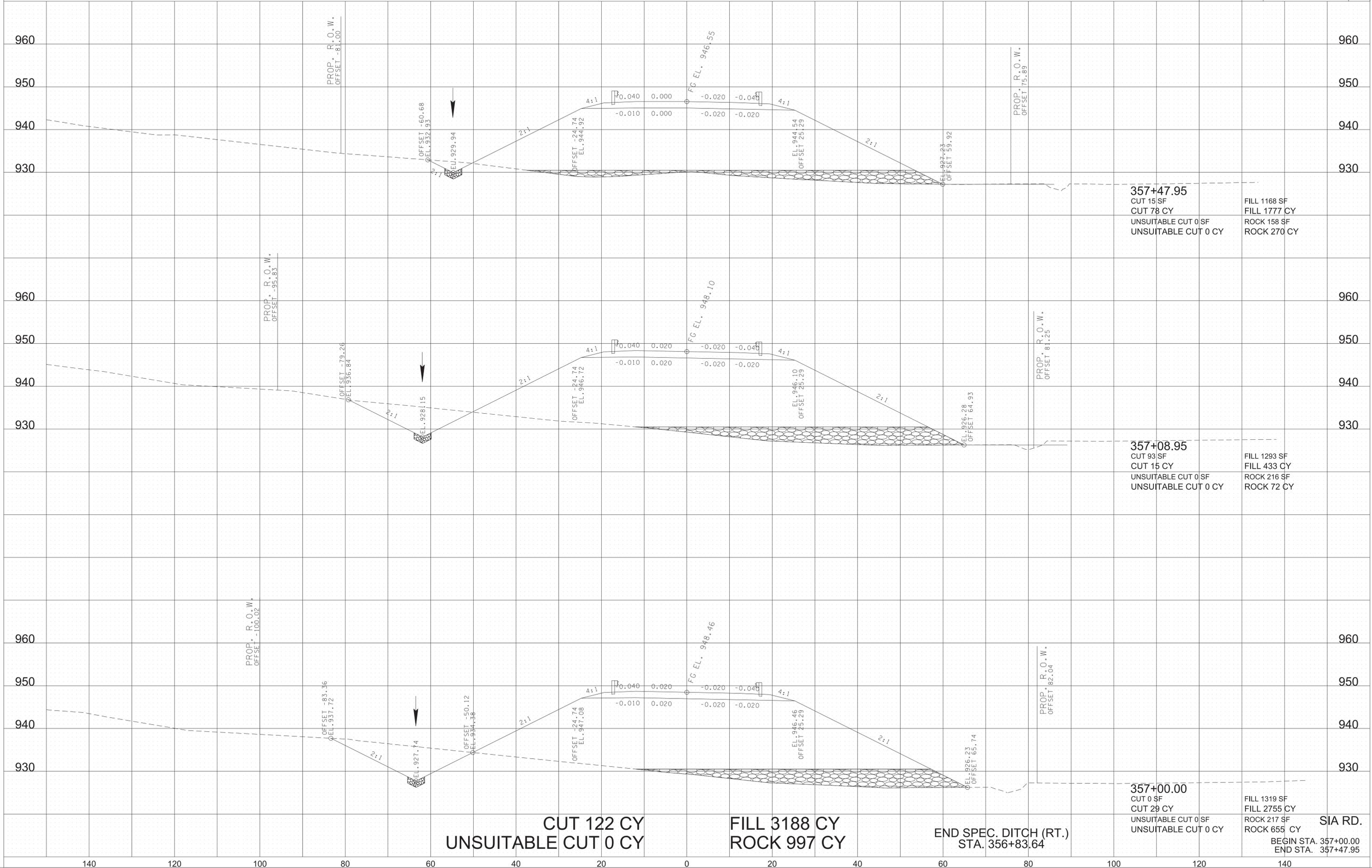
356+00.00
 CUT 21 SF
 CUT 34 CY
 UNSUITABLE CUT 0 SF
 UNSUITABLE CUT 0 CY
 FILL 1916 SF
 FILL 3725 CY
 ROCK 720 SF
 ROCK 965 CY

355+50.00
 CUT 16 SF
 CUT 38 CY
 UNSUITABLE CUT 0 SF
 UNSUITABLE CUT 0 CY
 FILL 2107 SF
 FILL 3806 CY
 ROCK 322 SF
 ROCK 366 CY

CUT 120 CY
UNSUITABLE CUT 0 CY
FILL 10,838 CY
ROCK 2451 CY

SIA RD.
 BEGIN STA. 355+50.00
 END STA. 356+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	24
PS&E	2026	01952-3502-04	26



1/5/2026 10:10:40 AM
 L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\019-030-XSSheetsPSE.sht

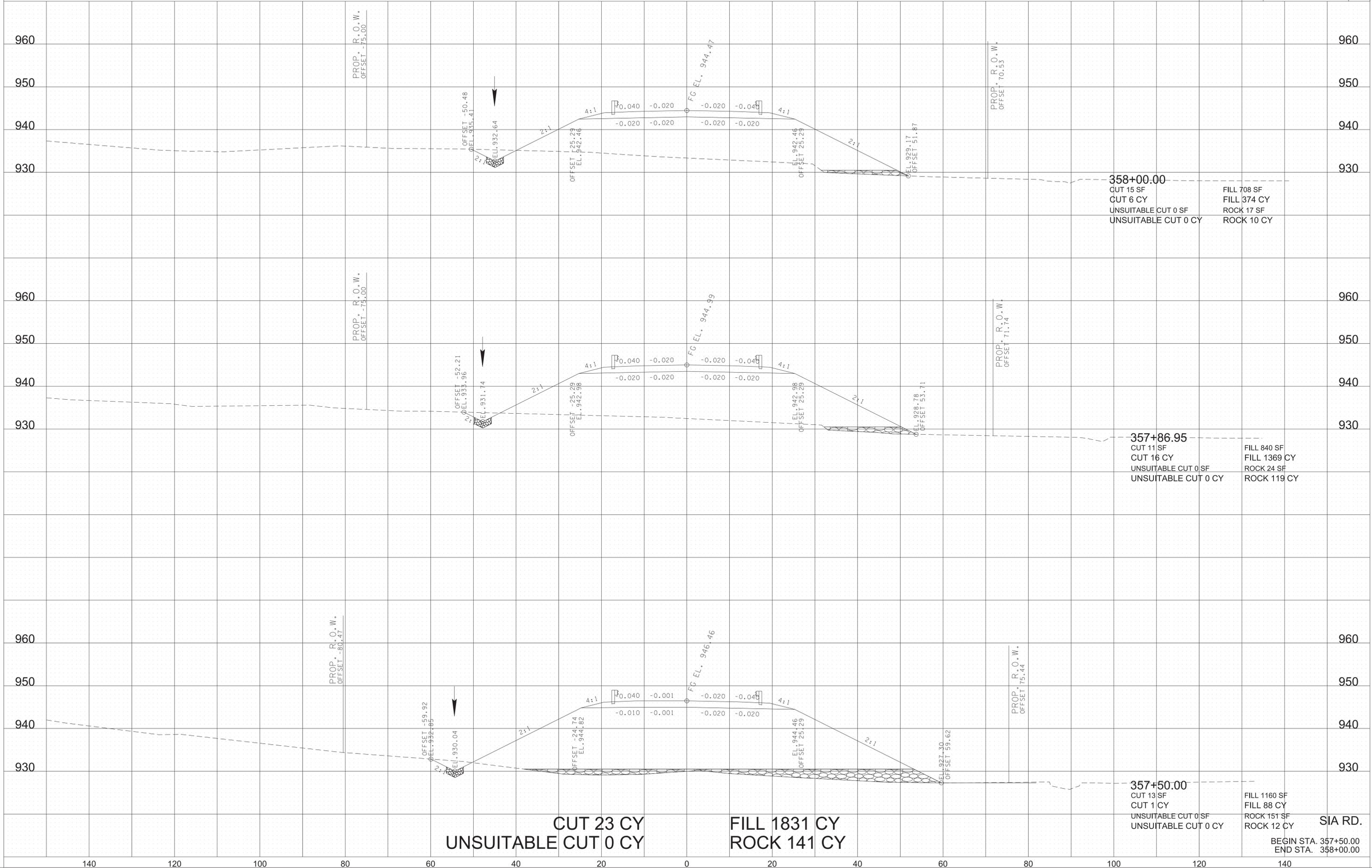
CUT 122 CY
UNSUITABLE CUT 0 CY

FILL 3188 CY
ROCK 997 CY

END SPEC. DITCH (RT.)
STA. 356+83.64

SIA RD.
 BEGIN STA. 357+00.00
 END STA. 357+47.95

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	25
PS&E	2026	01952-3502-04	27



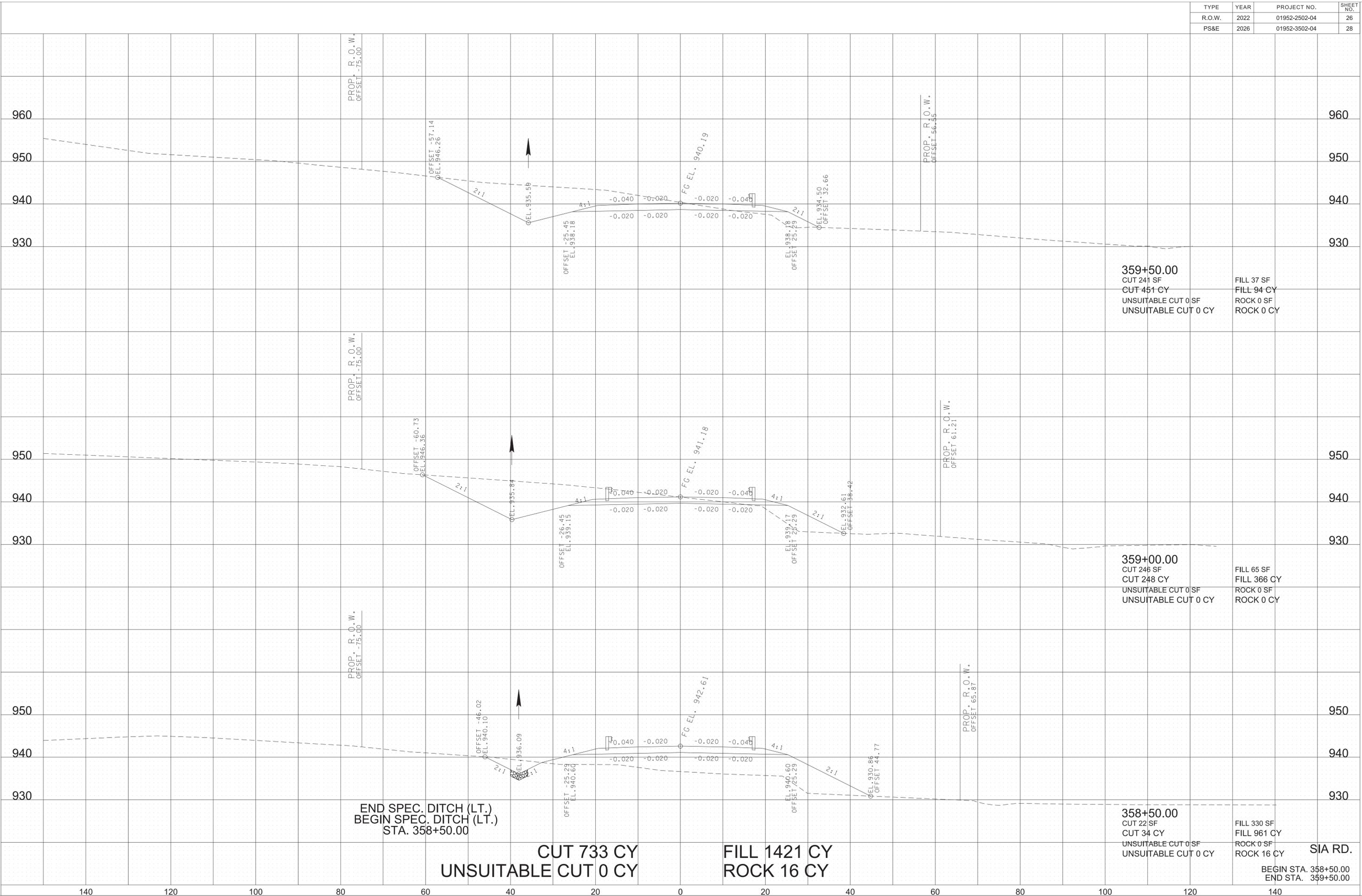
**CUT 23 CY
 UNSUITABLE CUT 0 CY**

**FILL 1831 CY
 ROCK 141 CY**

SIA RD.

BEGIN STA. 357+50.00
 END STA. 358+00.00

1/5/2026 10:10:43 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\019-030-XSSheetsPSE.sht



END SPEC. DITCH (LT.)
 BEGIN SPEC. DITCH (LT.)
 STA. 358+50.00

CUT 733 CY
UNSUITABLE CUT 0 CY

FILL 1421 CY
ROCK 16 CY

358+50.00
 CUT 22 SF
 CUT 34 CY
 UNSUITABLE CUT 0 SF
 UNSUITABLE CUT 0 CY

359+00.00
 CUT 246 SF
 CUT 248 CY
 UNSUITABLE CUT 0 SF
 UNSUITABLE CUT 0 CY

359+50.00
 CUT 241 SF
 CUT 451 CY
 UNSUITABLE CUT 0 SF
 UNSUITABLE CUT 0 CY

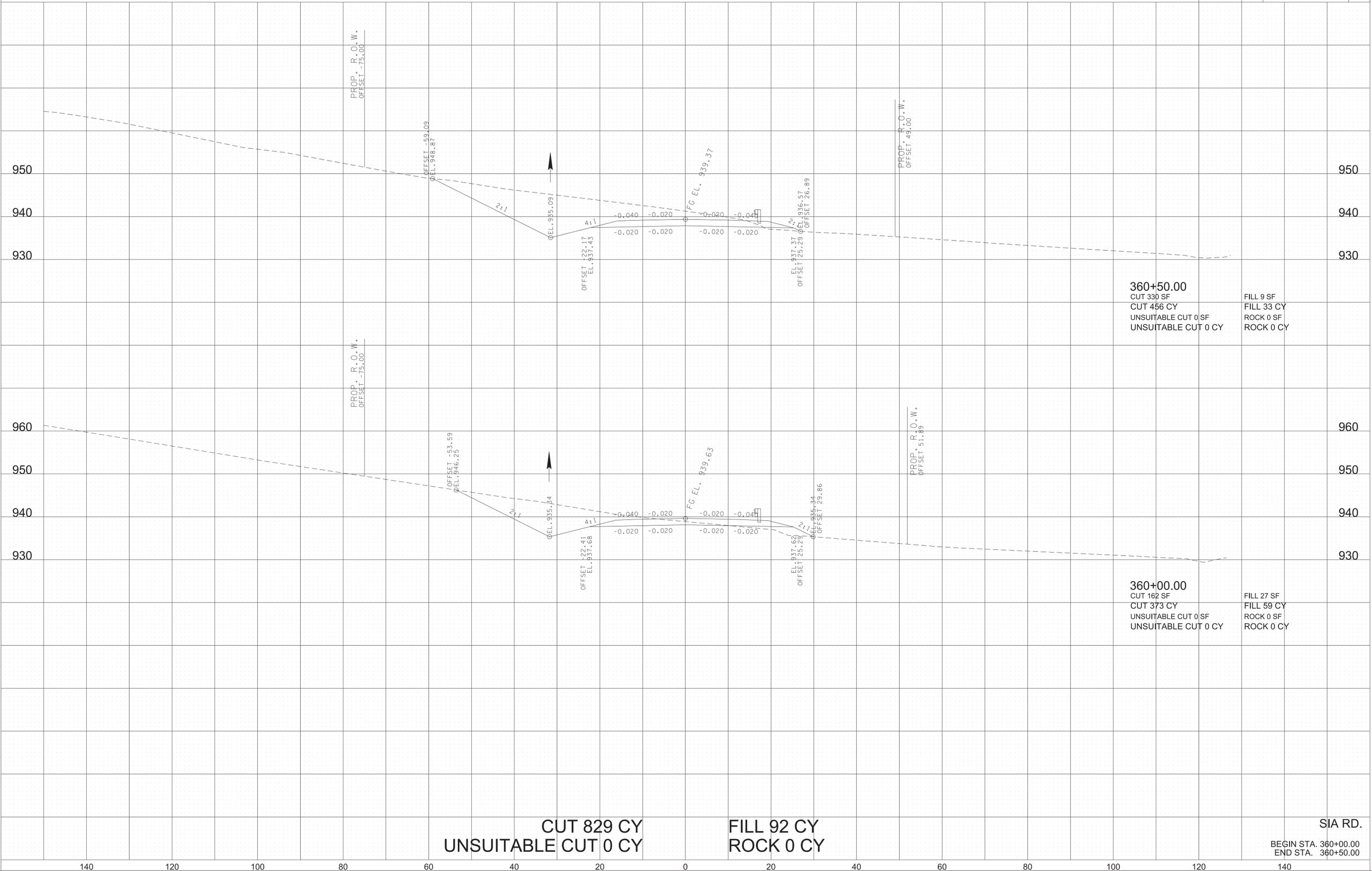
FILL 330 SF
 FILL 961 CY
 ROCK 0 SF
 ROCK 16 CY

FILL 65 SF
 FILL 366 CY
 ROCK 0 SF
 ROCK 0 CY

FILL 37 SF
 FILL 94 CY
 ROCK 0 SF
 ROCK 0 CY

SIA RD.
 BEGIN STA. 358+50.00
 END STA. 359+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	27
PS&E	2026	01952-3502-04	29



CUT 829 CY
UNSUITABLE CUT 0 CY

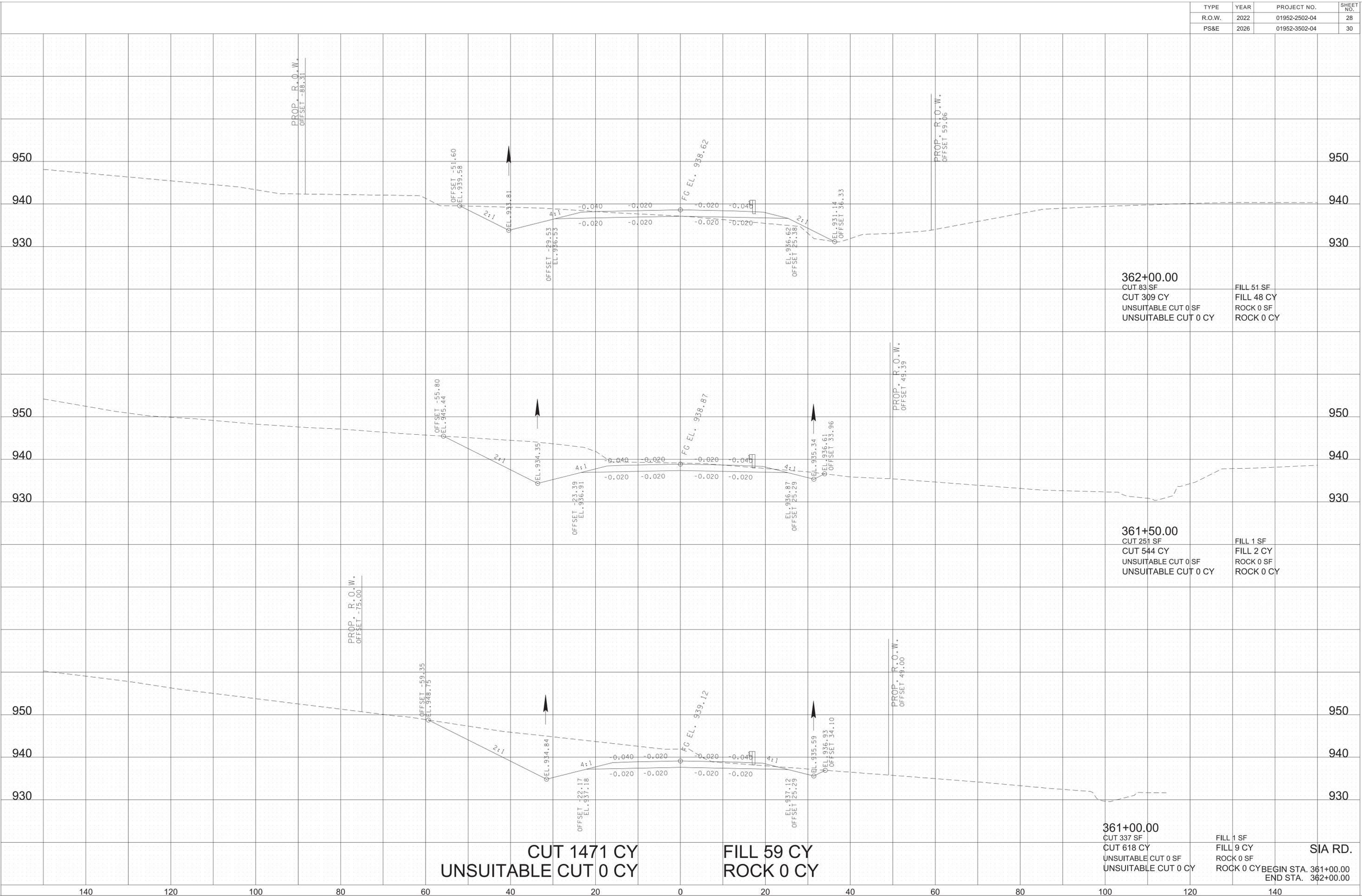
FILL 92 CY
ROCK 0 CY

SIA RD.

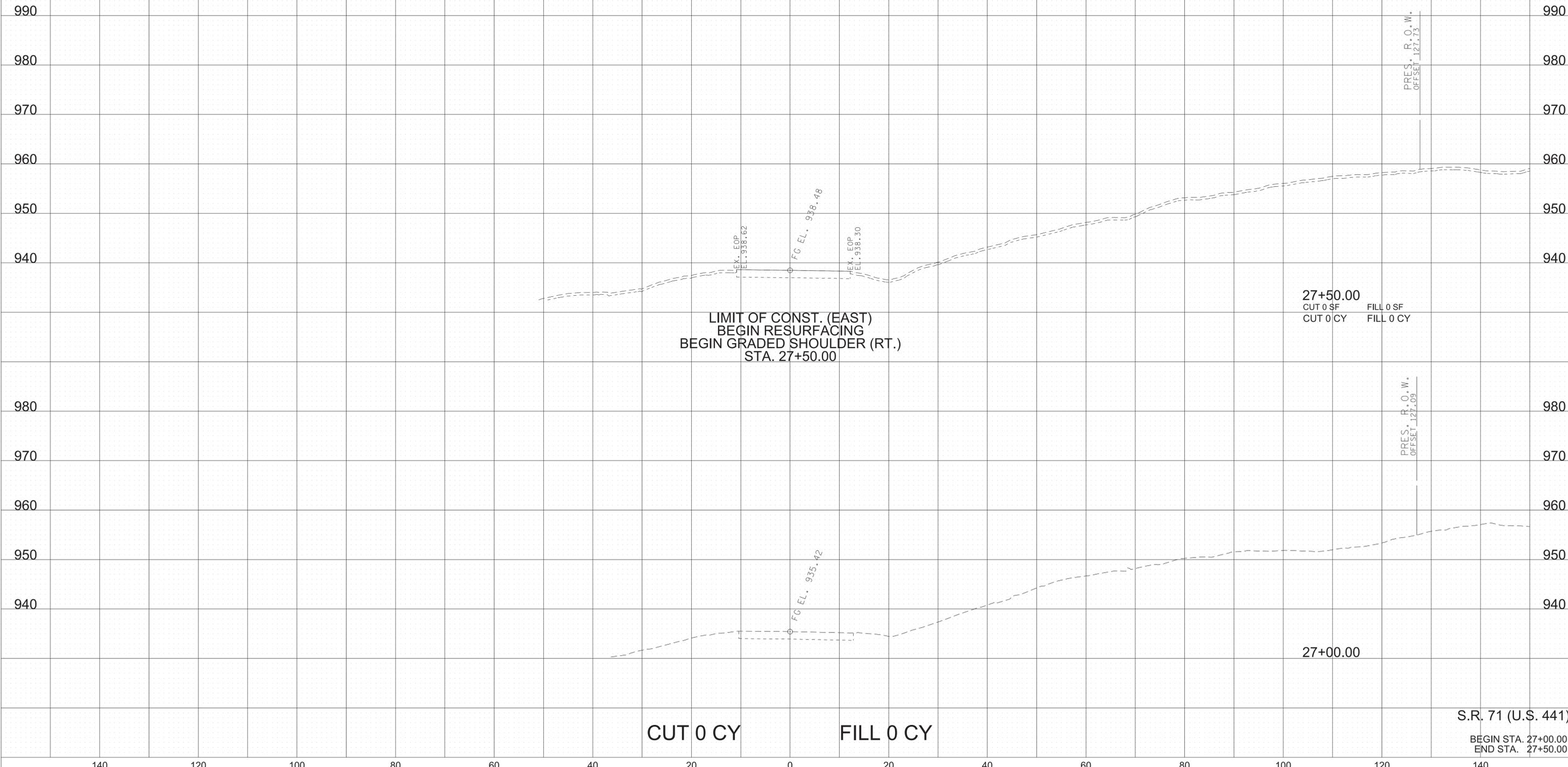
BEGIN STA. 360+00.00
END STA. 360+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	28
PS&E	2026	01952-3502-04	30

1/5/2026 10:10:45 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\019-030-XSSheetsPSE.sht



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	29
PS&E	2026	01952-3502-04	31

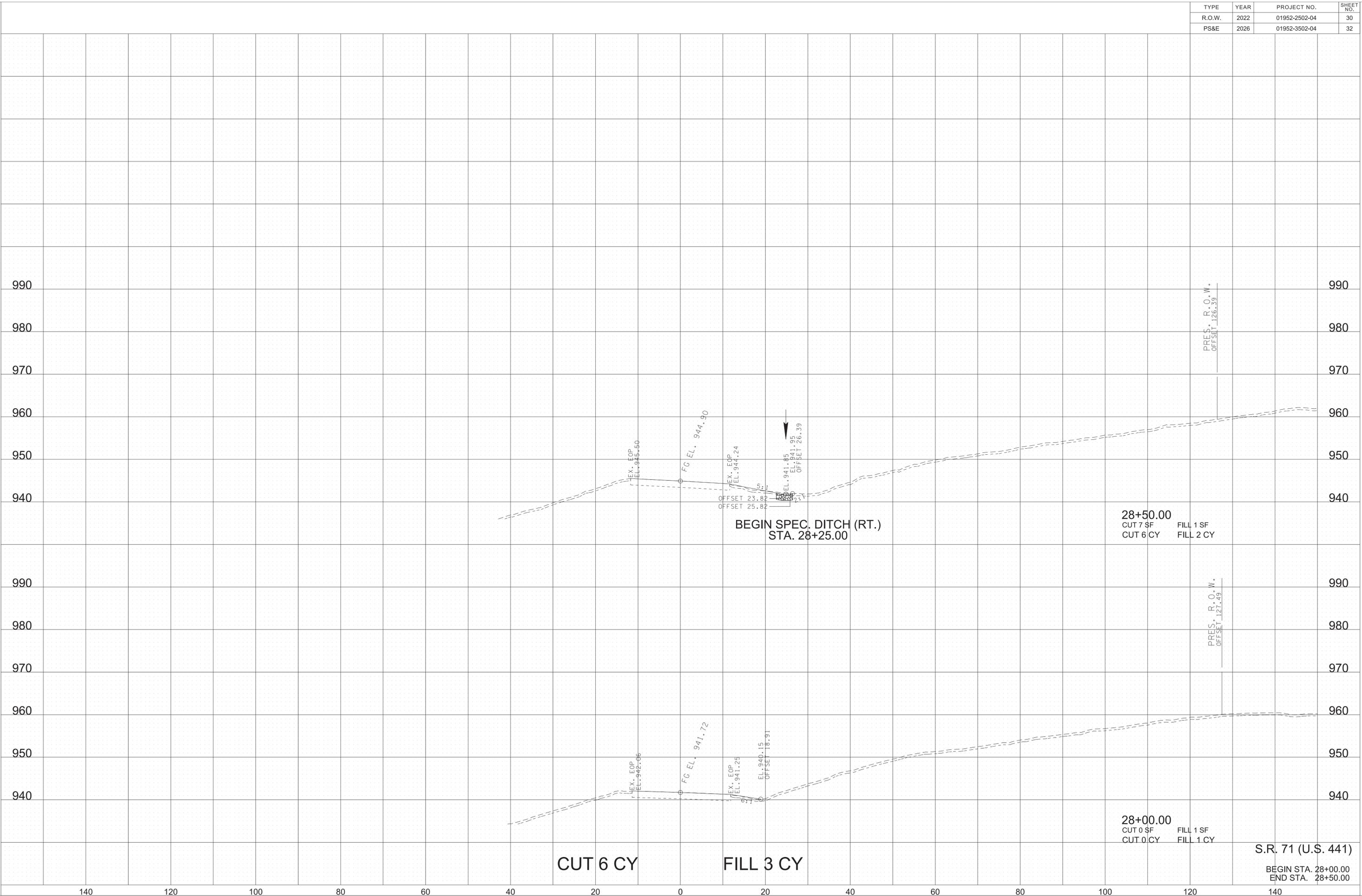


1/5/2026 10:10:47 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\031-039-XSSheetsPSE.sht

S.R. 71 (U.S. 441)
 BEGIN STA. 27+00.00
 END STA. 27+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	30
PS&E	2026	01952-3502-04	32

1/5/2026 10:10:48 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\031-039-XSSheetsPSE.sht



CUT 6 CY

FILL 3 CY

BEGIN SPEC. DITCH (RT.)
STA. 28+25.00

28+50.00
CUT 7 SF FILL 1 SF
CUT 6 CY FILL 2 CY

28+00.00
CUT 0 SF FILL 1 SF
CUT 0 CY FILL 1 CY

PRES. R.O.W.
OFFSET 126.39

PRES. R.O.W.
OFFSET 127.49

S.R. 71 (U.S. 441)

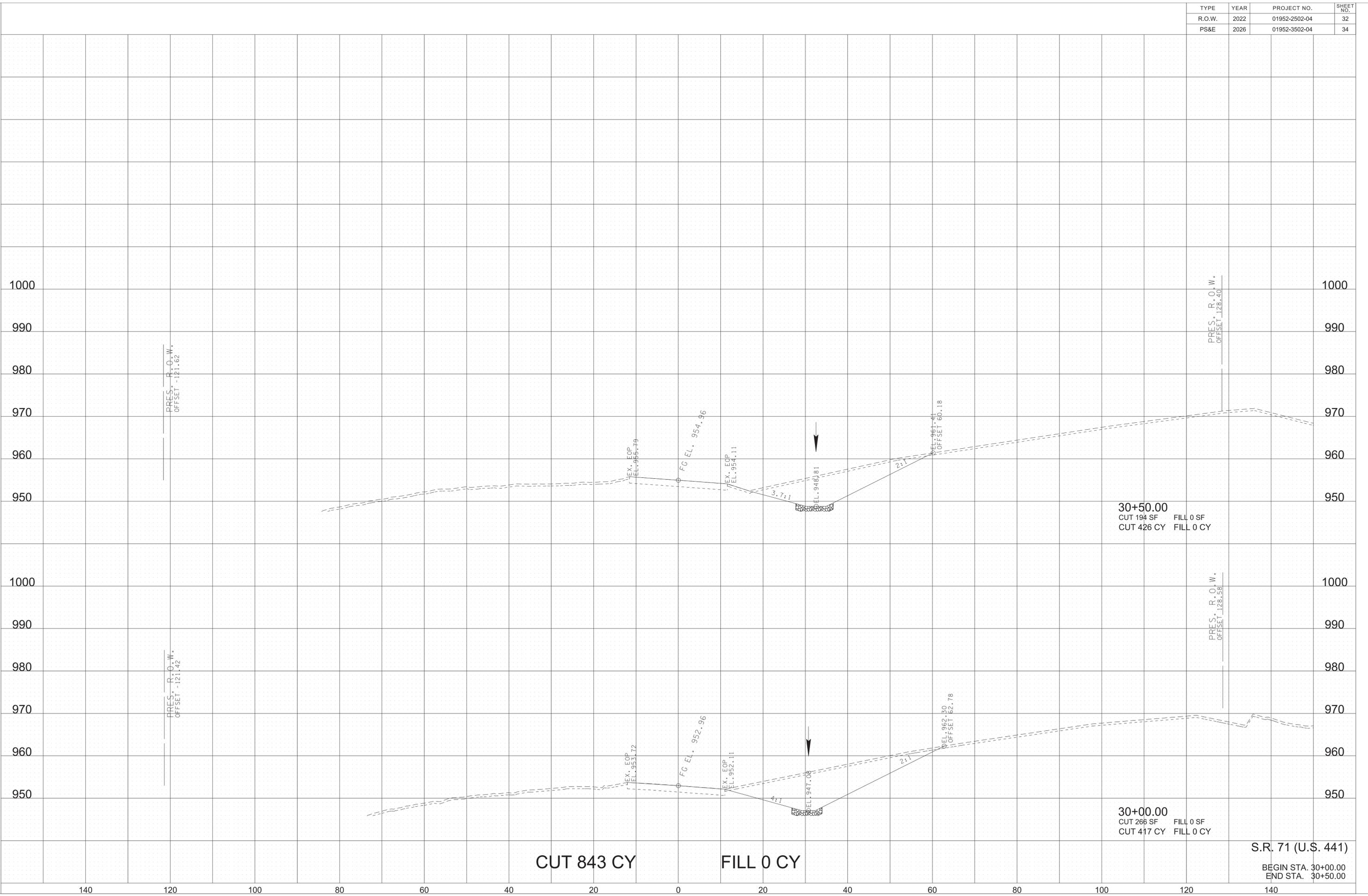
BEGIN STA. 28+00.00
END STA. 28+50.00

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

990 980 970 960 950 940 990 980 970 960 950 940

1/5/2026 10:10:50 AM
L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\031-039-XSSheetsPSE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	32
PS&E	2026	01952-3502-04	34



CUT 843 CY

FILL 0 CY

30+50.00
CUT 194 SF FILL 0 SF
CUT 426 CY FILL 0 CY

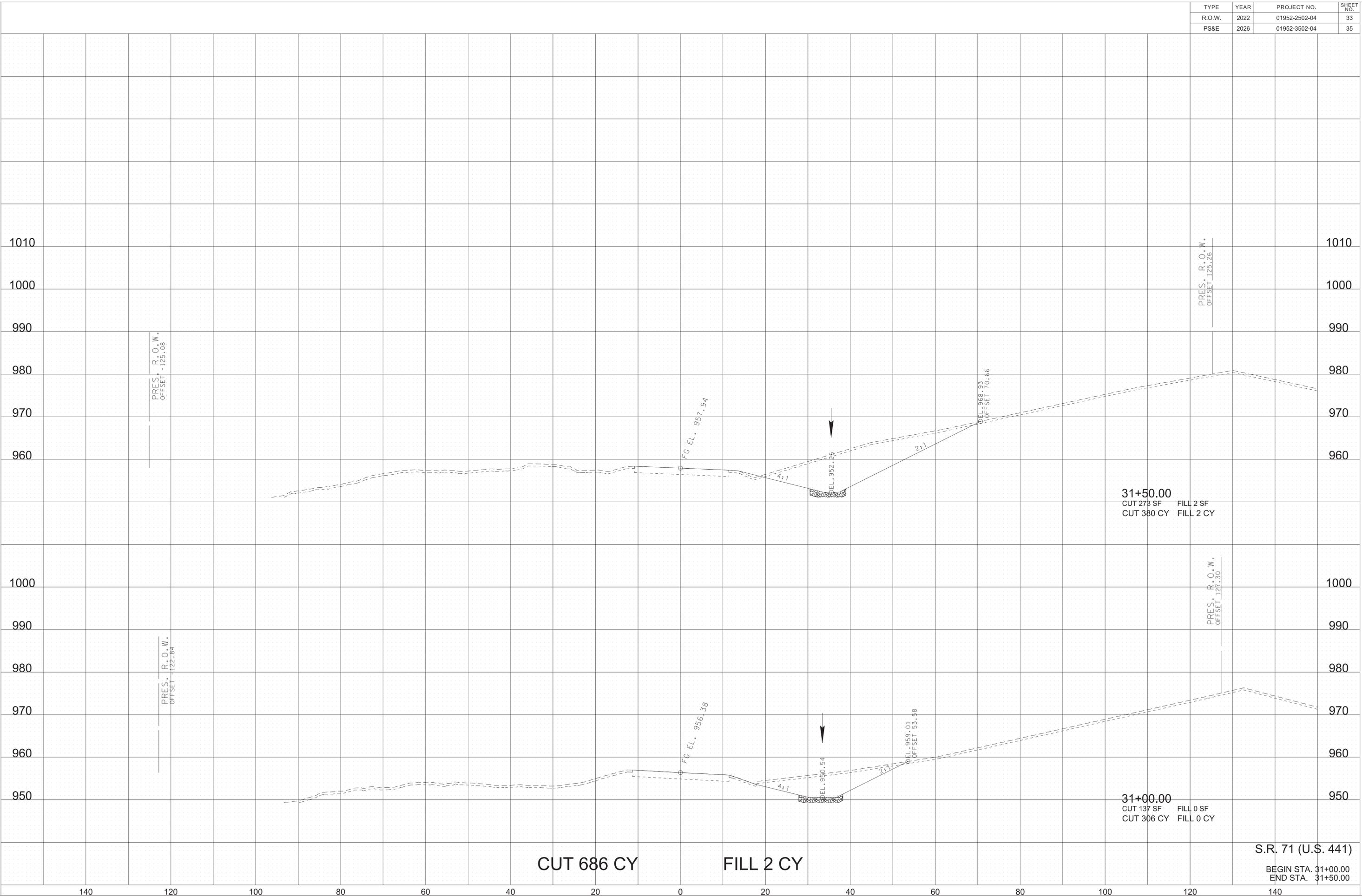
30+00.00
CUT 266 SF FILL 0 SF
CUT 417 CY FILL 0 CY

S.R. 71 (U.S. 441)

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	33
PS&E	2026	01952-3502-04	35

1/5/2026 10:10:51 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\031-039-XSSheetsPSE.sht



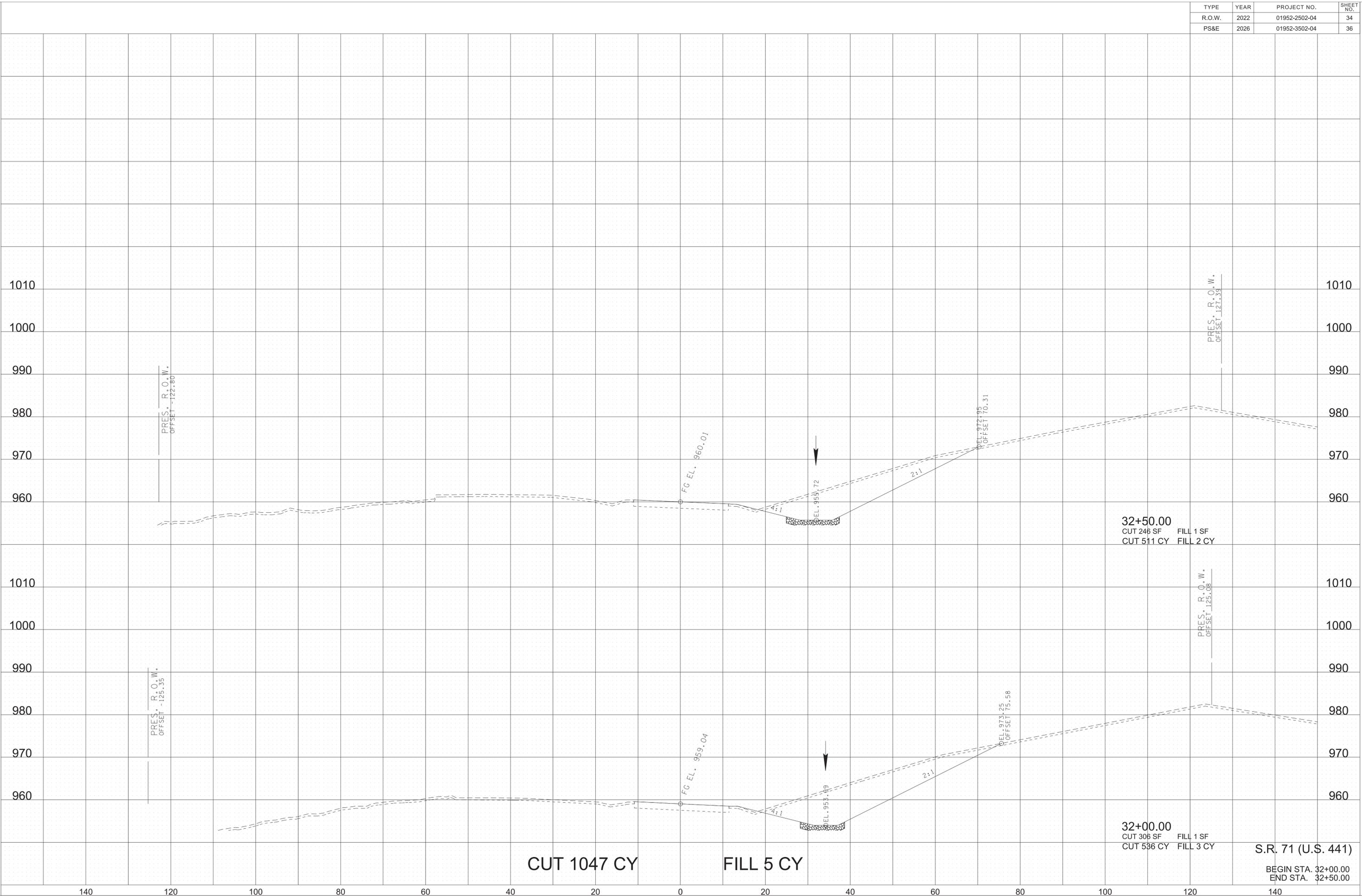
CUT 686 CY **FILL 2 CY**

S.R. 71 (U.S. 441)

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	34
PS&E	2026	01952-3502-04	36

1/5/2026 10:10:51 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\031-039-XSSheetsPSE.sht



CUT 1047 CY

FILL 5 CY

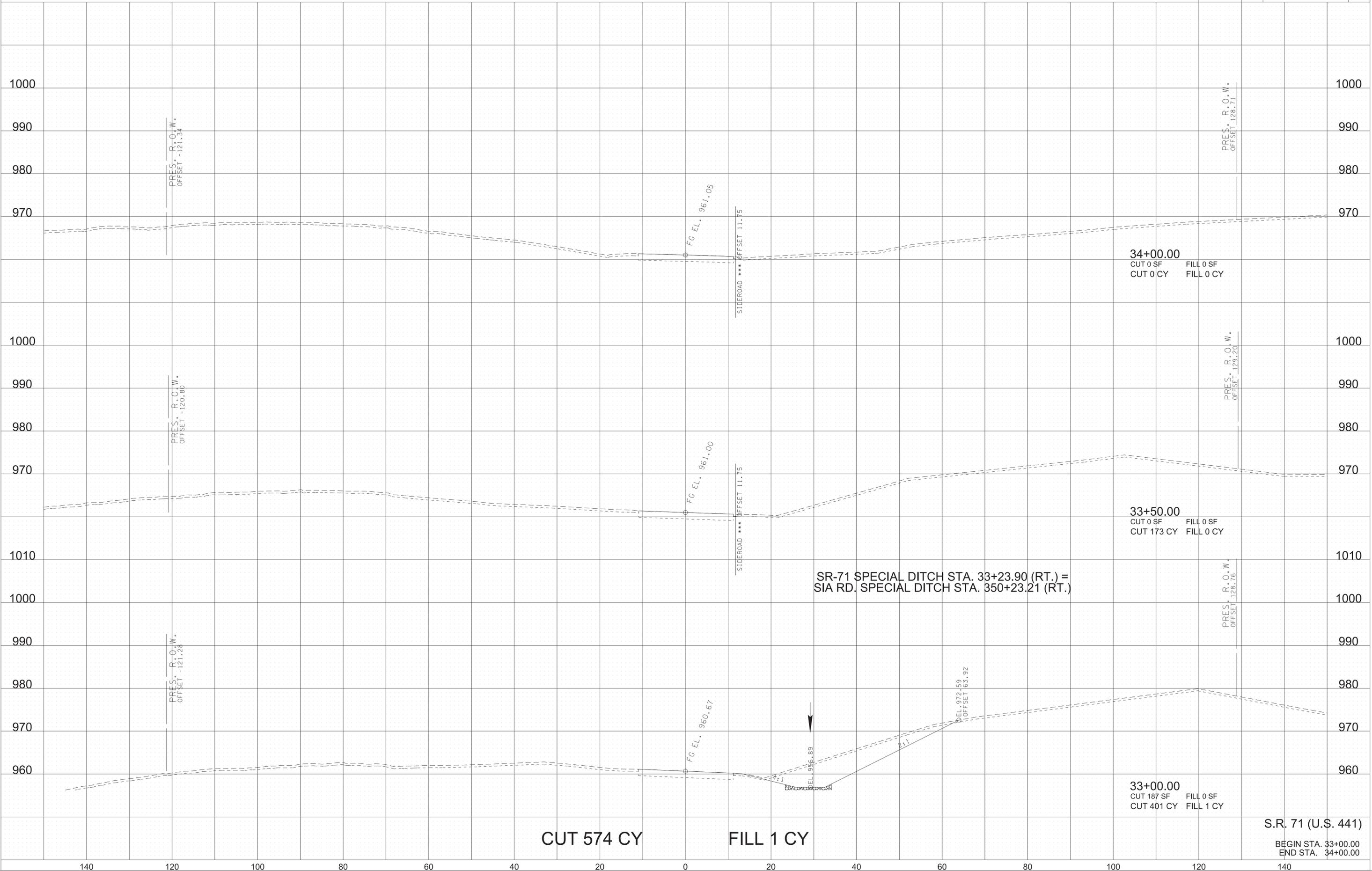
32+50.00
 CUT 246 SF FILL 1 SF
 CUT 511 CY FILL 2 CY

32+00.00
 CUT 306 SF FILL 1 SF
 CUT 536 CY FILL 3 CY

S.R. 71 (U.S. 441)

BEGIN STA. 32+00.00
 END STA. 32+50.00

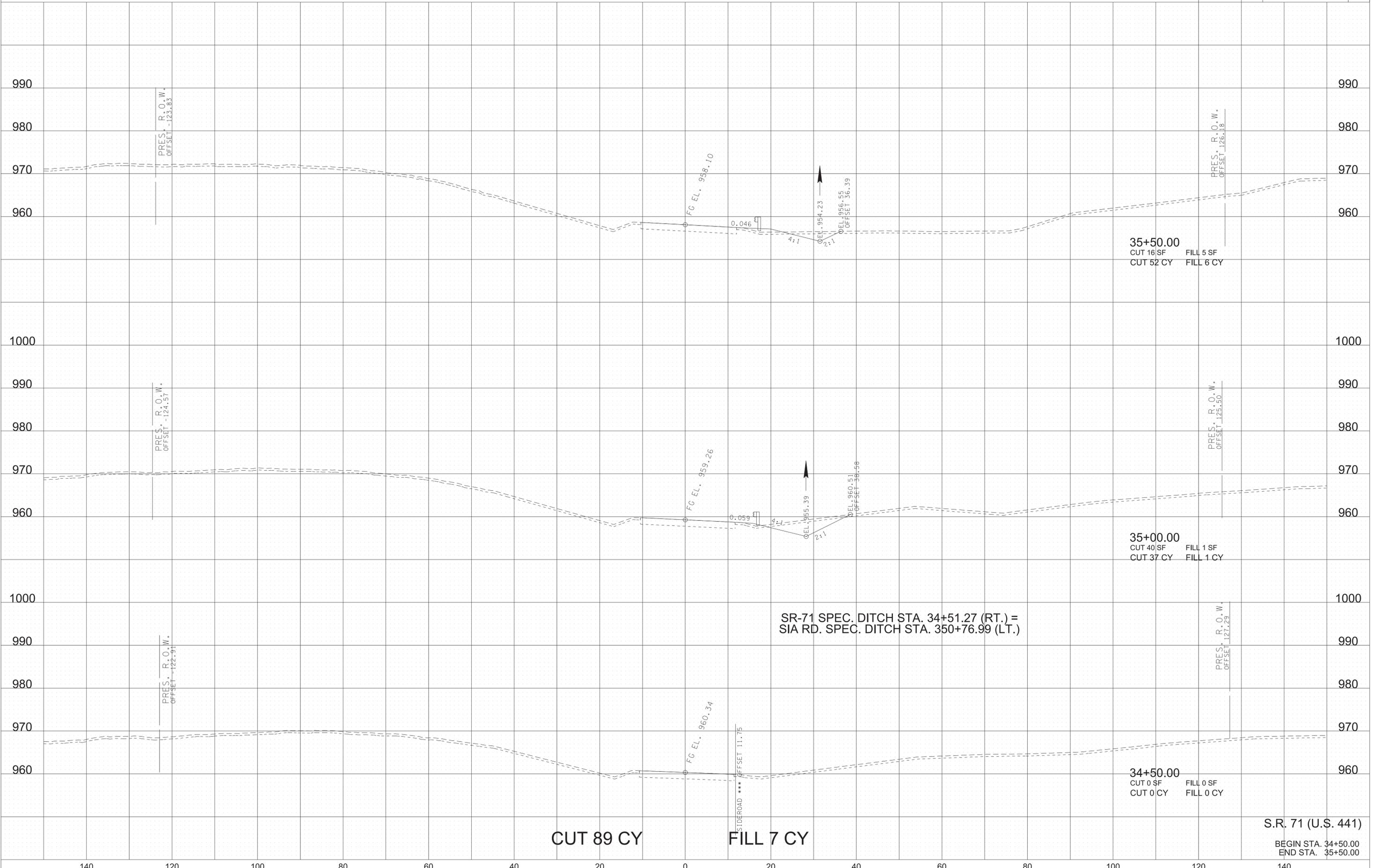
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	35
PS&E	2026	01952-3502-04	37



1/5/2026 10:10:52 AM
 L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\031-039-XSSheetsPSE.sht

1/5/2026 10:10:53 AM
L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\031-039-XSSheetsPSE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	36
PS&E	2026	01952-3502-04	38



CUT 89 CY

FILL 7 CY

S.R. 71 (U.S. 441)

BEGIN STA. 34+50.00
END STA. 35+50.00

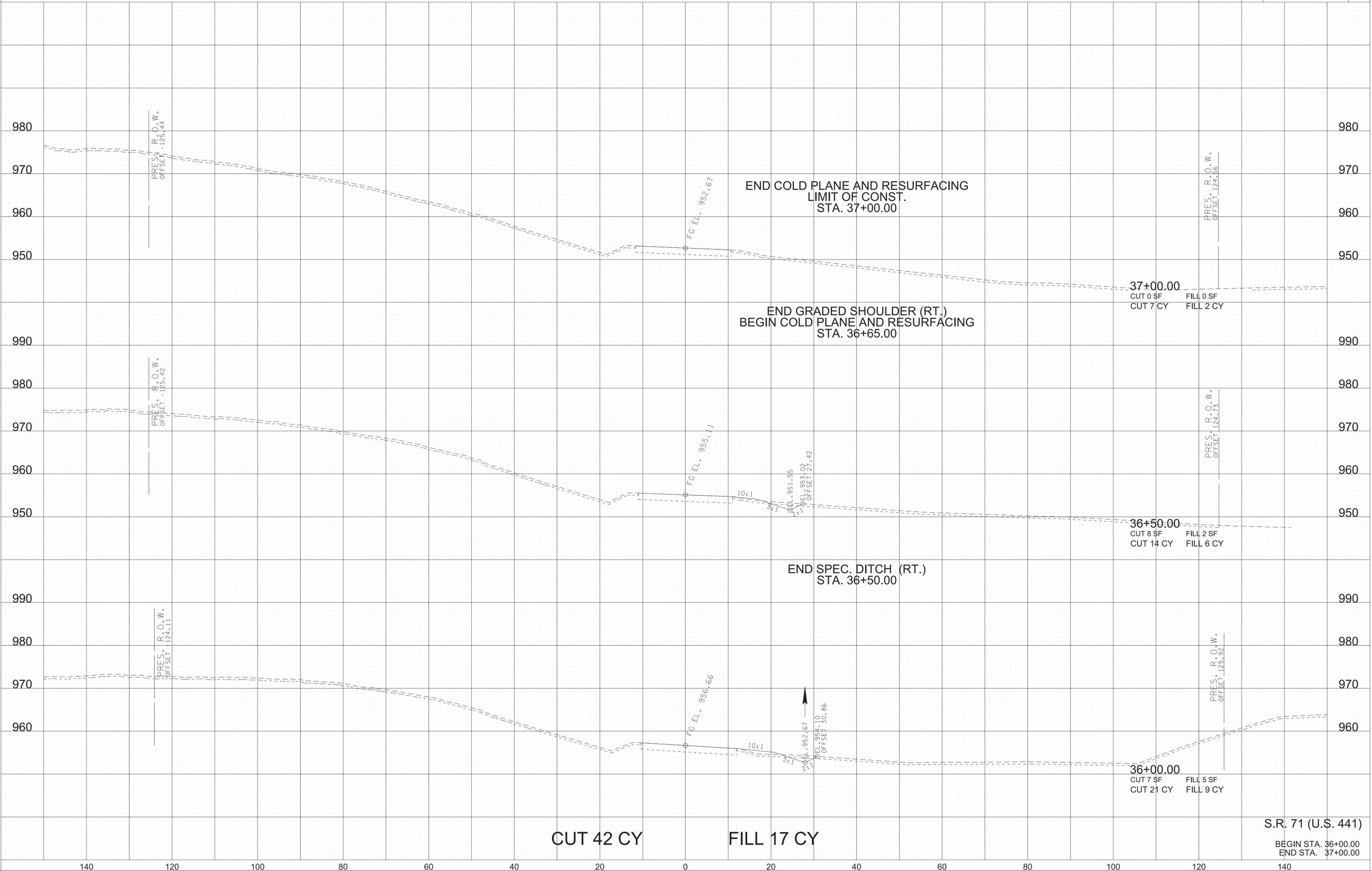
SR-71 SPEC. DITCH STA. 34+51.27 (RT.) =
SIA RD. SPEC. DITCH STA. 350+76.99 (LT.)

35+50.00
CUT 16 SF FILL 5 SF
CUT 52 CY FILL 6 CY

35+00.00
CUT 40 SF FILL 1 SF
CUT 37 CY FILL 1 CY

34+50.00
CUT 0 SF FILL 0 SF
CUT 0 CY FILL 0 CY

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	37
PS&E	2026	01952-3502-04	39

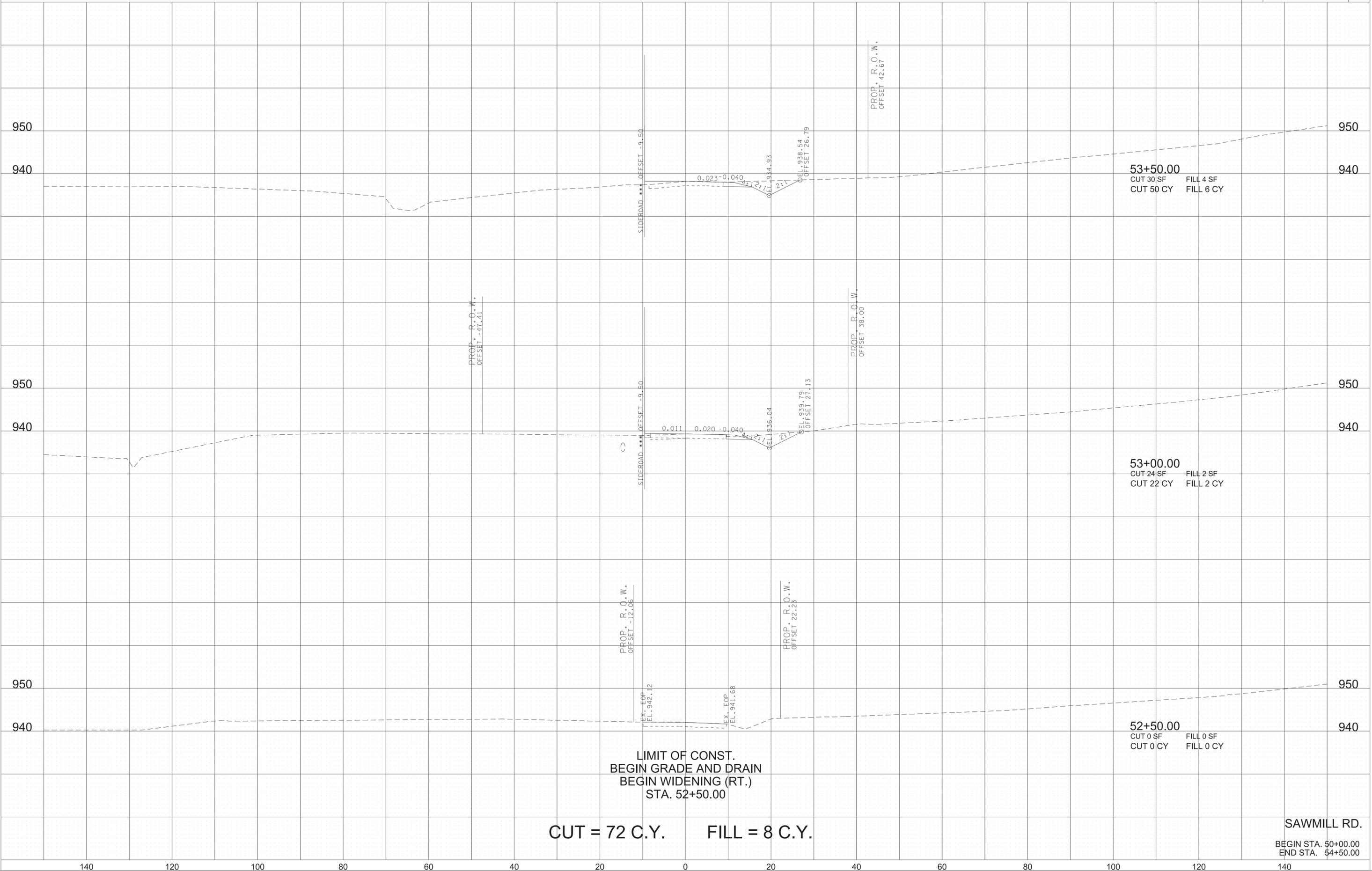


1/5/2026 10:10:54 AM
 L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\031-039-XSSheetsPSE.sht

CUT 42 CY **FILL 17 CY**

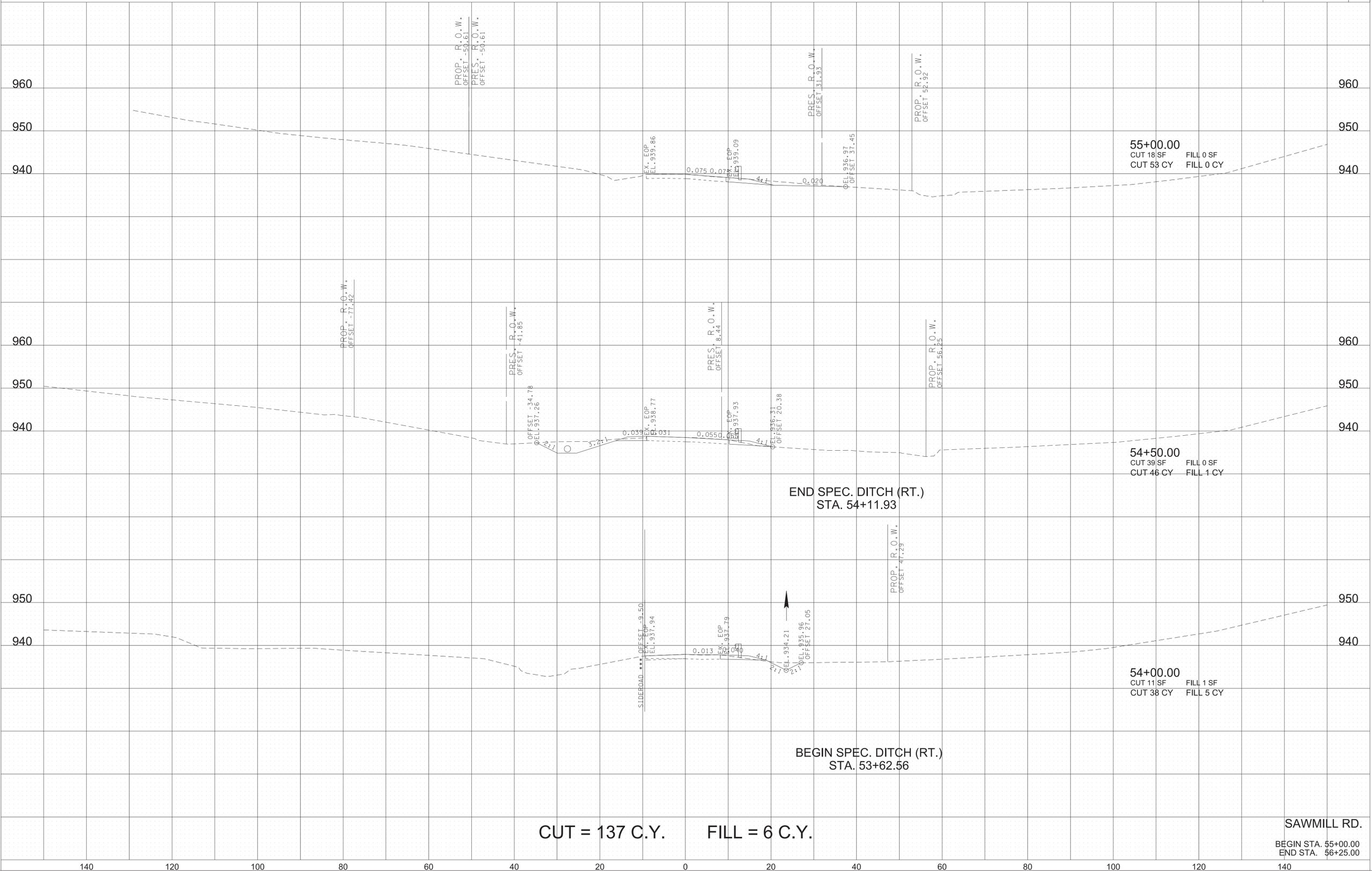
S.R. 71 (U.S. 441)
 BEGIN STA. 36+00.00
 END STA. 37+00.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	39
PS&E	2026	01952-3502-04	40



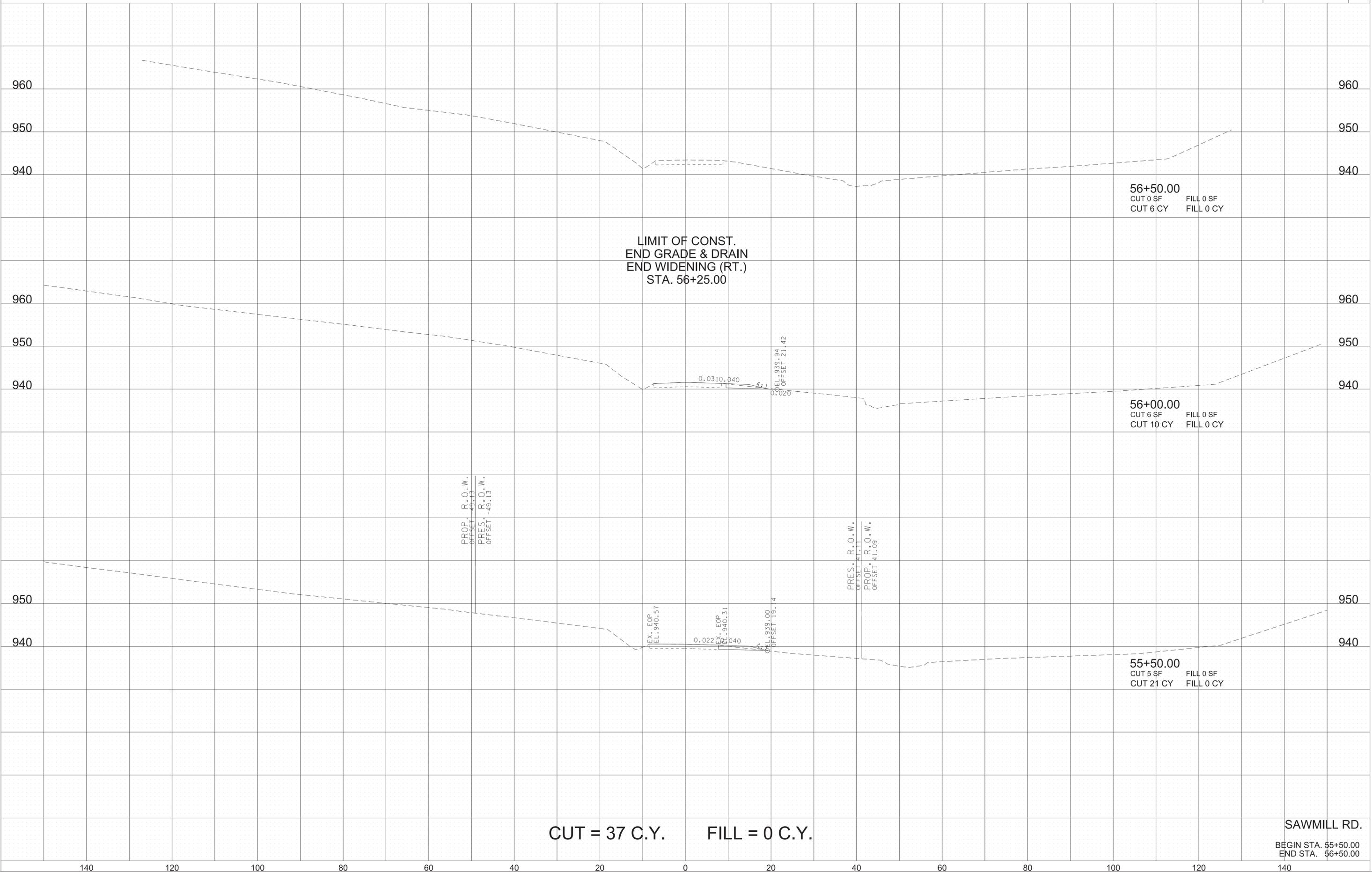
1/5/2026 10:10:56 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\040-042-XSSheetsPSE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	40
PS&E	2026	01952-3502-04	41



1/5/2026 10:10:56 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\040-042-XSSheetsPSE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	42



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

SAWMILL RD.
 BEGIN STA. 55+50.00
 END STA. 56+50.00

1/5/2026 10:10:57 AM
 L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\040-042-XSSheetsPSE.sht

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	T1
PS&E	2026	01952-3502-04	T1

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 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 WORKDAY 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



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE
DROP-OFF NOTES
FOR
TRAFFIC CONTROL

TABULATED TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	PHASE I	PHASE II	PHASE III	TOTAL
			QUANTITY 01925-3502-04	QUANTITY	QUANTITY	
(1) 712-02.12	PORTABLE BARRIER RAIL, REDUCED DEFLECTION (MASH TL-3)	L.F.	120	140	140	400
712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	2	2	2	6
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	92	23	41	156
712-04.50	BARRIER RAIL DELINEATOR	EACH	6	7	7	20
712-05.01	WARNING LIGHTS (TYPE A)	EACH	46	12	21	79
(2) 712-06	SIGNS (CONSTRUCTION)	S.F.				1627
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	108	54	54	216
712-09.04	REMOVABLE PAVEMENT MARKING (STOP LINE)	L.F.			21	21
716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	0.2	0.1	0.1	0.4
(3) 730-40.02	TEMPORARY TRAFFIC SIGNAL SYSTEM	LS	1			1

FOOTNOTES

- (1) PORTABLE BARRIER RAIL TO BE INSTALLED IN 10' SECTIONS.
- (2) SEE TABULATION ON THIS SHEET FOR SIGN PHASING.
- (3) INCLUDES THE COST OF RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL DEVICES. ALSO INCLUDES ALL EQUIPMENT, MATERIALS, HARDWARE, AND INTERCONNECTIONS NEEDED TO COMMUNICATE WITH THE PRIMARY SIGNAL.

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

TRAFFIC CONTROL NOTES

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

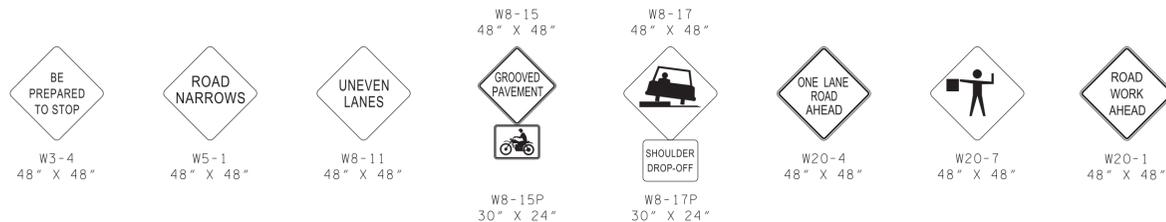
THIS TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."

DETOUR SIGNS SHALL NOT BE INSTALLED, OR IF INSTALLED, SHALL REMAIN COVERED AND NOT VISIBLE TO TRAFFIC UNTIL THE COMMENCEMENT OF PHASE TWO TRAFFIC CONTROL.

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 THE TDOT MANAGER.



SEE SHEETS T3 - T5 FOR TRAFFIC CONTROL PHASING NOTES

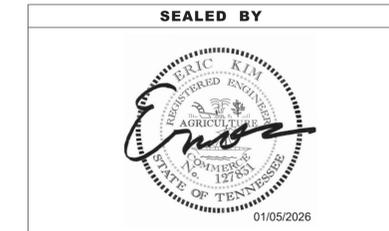
SIGNS SHOWN ABOVE ARE TO BE USED WHEN CONSTRUCTION OPERATIONS WARRANT. TO BE USED AS DIRECTED BY THE TDOT MANAGER.

OPTIONAL ADDITIONAL SIGNS TO BE PAID FOR UNDER ITEM 712-06 SIGNS (CONSTRUCTION.)

TRAFFIC CONTROL SIGN TABULATION

M.U.T.C.D. SIGN NO.	LEGEND	SIZE			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
		IN INCHES										
		L	X	W								
G20-2	END ROAD WORK	48"	X	24"	8	4	3	3	10	80	T-WZ-10	
M4-8	DETOUR	24"	X	12"	2		11	11	22	44		
M4-8A	END DETOUR	24"	X	12"	2		1	1	2	4		
M6-3L	LEFT ARROW	21"	X	15"	2		5	5	10	22		
M6-3	STRAIGHT ARROW	21"	X	15"	2		2	2	4	9		
M6-3R	RIGHT ARROW	21"	X	15"	2		4	4	8	18		
R3-2	NO LEFT TURN	36"	X	36"	9		1	1	2	18		
R10-6	STOP HERE ON RED	24"	X	36"	6	2			2	12	T-WZ-32	
R10-6 (MOD)	ROAD CLOSED 1/2 MI. AHEAD	30"	X	42"	9	1		1	1	9	T-WZ-32	
R11-2	ROAD CLOSED	48"	X	30"	10	2	1	1	4	40		
R11-3A	ROAD CLOSED 1/2 MI. AHEAD	60"	X	30"	13		1	1	2	25		
R11-3A	SAWMILL RD CLOSED 1 MI. AHEAD	60"	X	30"	13		1	1	2	25	T-WZ-32	
W3-4	SAWMILL RD CLOSED 2 MI. AHEAD	60"	X	30"	13		1	1	2	25	T-WZ-32	
W3-3	SIGNAL	48"	X	48"	16	1			1	16	T-WZ-32	
W3-4	BE PREPARED TO STOP	48"	X	48"	16	1	2	2	5	80	T-WZ-32	
W8-9	LOW SHOULDER	48"	X	48"	16	2	2	2	6	96		TO BE USED WHEN CONST. OPS. WARRANT
W8-11	UNEVEN LANES	48"	X	48"	16	4	4	4	12	192		TO BE USED WHEN CONST. OPS. WARRANT
W8-15	GROOVED PAVEMENT	48"	X	48"	16	2	2	2	6	96		TO BE USED WHEN CONST. OPS. WARRANT
W8-15P	MOTORCYCLE	30"	X	24"	5	2	2	2	6	30		TO BE USED WHEN CONST. OPS. WARRANT
W8-17	SHOULDER DROP OFF SYMBOL	48"	X	48"	16	4	4	4	12	192		TO BE USED WHEN CONST. OPS. WARRANT
W8-17P	SHOULDER DROP OFF SUPP	30"	X	24"	5	4	4	4	12	60		TO BE USED WHEN CONST. OPS. WARRANT
W11-10	TRUCKS ENTERING	48"	X	48"	16	2	2	2	6	96		
W20-1	ROAD WORK AHEAD	48"	X	48"	16	1	1	1	3	48	T-WZ-10	
W20-1	ROAD WORK 1000 FT	48"	X	48"	16	2	1	1	4	64	T-WZ-10	
W20-1	ROAD WORK 500 FT	48"	X	48"	16	1			1	16	T-WZ-10	
W20-1	ROAD WORK 1/2 MILE	48"	X	48"	16	1			1	16	T-WZ-10	
W20-1	ROAD WORK 1 MILE	48"	X	48"	16	1			1	16	T-WZ-10	
W20-3F	ROAD CLOSED 1000 FT	48"	X	48"	16		1	1	2	32		
W20-4	ONE LANE ROAD AHEAD	48"	X	48"	16	2	2	2	6	96		
W20-7	FLAGGER AHEAD	48"	X	48"	16	1	2	2	5	80		TO BE USED WHEN CONST. OPS. WARRANT
W21-5R	RIGHT SHOULDER CLOSED	48"	X	48"	16	1			1	16		
MOD.	SAWMILL ROAD	30"	X	24"	5			11	11	55		
TOTAL									1627	S.F.		

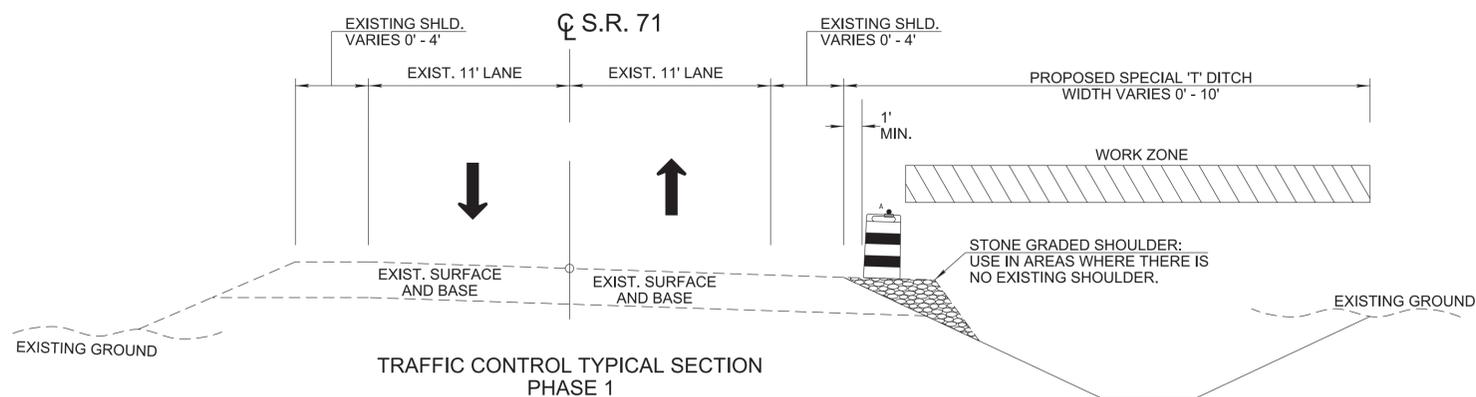
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	T2
PS&E	2026	01952-3502-04	T2



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL
PHASING NOTES,
LEGEND AND
TABULATION**

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	T3



TRAFFIC CONTROL TYPICAL SECTION
PHASE 1

TRAFFIC CONTROL PHASING NOTES

TRAFFIC CONTROL NOTES, SR-71, PHASE 1

INSTALL ROAD WORK TRAFFIC CONTROL SIGNS, DEVICES, AND PAVEMENT MARKINGS RECOMMENDED FOR PHASE 1.

INSTALL DRUMS AT THE RIGHT EDGE OF PAVEMENT OF EXISTING SR-71 (US 441) TO THE LIMITS OF PHASE 1 TRAFFIC OPERATIONS AS SHOWN ON THE TRAFFIC CONTROL PLANS AND TYPICAL SECTIONS.

SR-71 TRAFFIC TO USE FULL WIDTH OF EXISTING LANES DURING PHASE 1.

GRADE SPECIAL DITCHES TO THE LINES AND GRADES AS SHOWN ON THE ROADWAY PLANS AND CROSS SECTIONS.

INSTALL GUARDRAIL AS SHOWN ON THE ROADWAY PLANS AND CROSS SECTIONS.

TRAFFIC CONTROL NOTES, SAWMILL RD., PHASE 1

INSTALL ROAD WORK TRAFFIC CONTROL SIGNS, DEVICES AND PAVEMENT MARKINGS RECOMMENDED FOR PHASE 1.

INSTALL CHANNELIZING DRUMS AND PORTABLE BARRIER ON THE LEFT SIDE OF SAWMILL ROAD TO THE LIMITS OF PHASE 1 TRAFFIC OPERATIONS AS SHOWN IN THE TRAFFIC CONTROL PLANS AND TYPICAL SECTIONS.

INSTALL TEMPORARY TRAFFIC SIGNAL SYSTEM INCLUDING RESIDENTIAL DRIVEWAY TEMPORARY SIGNALS AS SHOWN ON THE TRAFFIC CONTROL PLANS.

SAWMILL ROAD TRAFFIC TO BE ONE-WAY, SIGNAL-CONTROLLED 12-FOOT LANE DURING PHASE 1 OPERATIONS AS SHOWN ON THE TRAFFIC CONTROL TYPICAL SECTIONS.

GRADE, DRAIN, AND PAVE PROPOSED INTERSECTION RADIUS AND DRIVEWAYS ALONG THE LEFT SIDE OF SAWMILL ROAD TO THE LINES AND GRADES SHOWN ON THE ROADWAY PLANS AND CROSS SECTIONS.

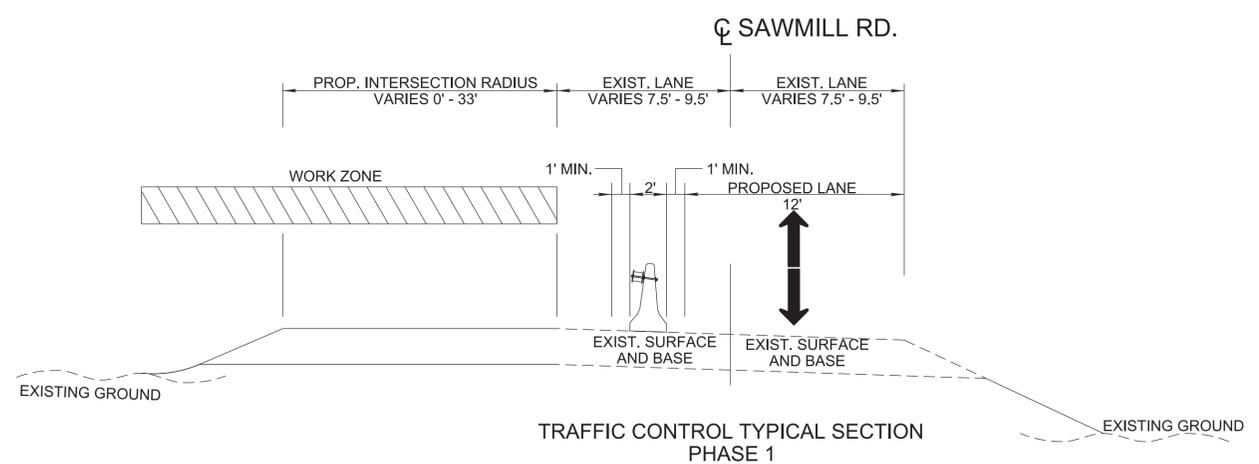
TRAFFIC CONTROL NOTES, SIA RD., PHASE 1

SIA ROAD TO BE BUILT ON NEW ALIGNMENT.

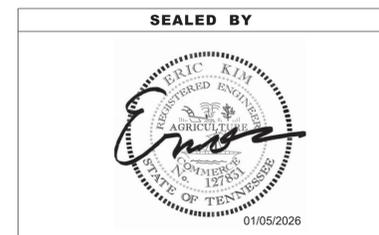
GRADE, DRAIN, AND PAVE PROPOSED SIA ROAD AND DRIVEWAYS TO THE LINES AND GRADES SHOWN ON THE ROADWAY PLANS AND CROSS SECTIONS AND AS SHOWN ON THE TRAFFIC CONTROL PLANS.

CONSTRUCT BOX CULVERT AT STATION 356+12.24 TO THE GRADES SHOWN ON THE ROADWAY PLANS.

CONSTRUCT PORTION OF THE BOX CULVERT AT STATION 362+37.48 TO THE LINES AND GRADES SHOWN ON THE ROADWAY PLANS AND IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS. DO NOT DISTURB SAWMILL ROAD FOR BOX CULVERT CONSTRUCTION IN PHASE 1.



TRAFFIC CONTROL TYPICAL SECTION
PHASE 1



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL
PHASING NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	T4

TRAFFIC CONTROL PHASING NOTES

TRAFFIC CONTROL NOTES, SR-71, PHASE 2

REMOVE CONSTRUCTION SIGNING, DEVICES AND PAVEMENT MARKINGS ALONG SR-71 AS SHOWN ON THE TRAFFIC CONTROL PLANS.

INSTALL PERMANENT SIGNING, DEVICES, AND PAVEMENT MARKINGS AS SHOWN ON THE ROADWAY PLANS.

TRAFFIC CONTROL NOTES, SIA RD, PHASE 2

UPDATE ALL TRAFFIC CONTROL SIGNING, DEVICES, AND PAVEMENT MARKINGS AS SHOWN ON THE TRAFFIC CONTROL PLANS.

INSTALL PORTABLE BARRIER RAIL ALONG THE LEFT SIDE OF SIA ROAD AS SHOWN IN THE TRAFFIC CONTROL TYPICAL SECTIONS.

TRAFFIC SOUTH OF THE BOX CULVERT CROSSING AT STATION 362+37.48 WILL USE SIA ROAD 12-FOOT LANES THAT WERE BUILT IN PHASE 1.

TRAFFIC AT THE BOX CULVERT LOCATION AND ENTERING SAWMILL ROAD WILL SHIFT TO THE RIGHT AND USE THE RADIUS BUILT TO USE TWO LANES TO CONNECT TO THE LANES OF SAWMILL ROAD AS SHOWN ON THE TRAFFIC CONTROL PLANS AND TYPICAL SECTIONS.

CONSTRUCT PORTION OF BOX CULVERT CELL TO THE LINES AND GRADES AS SHOWN IN THE ROADWAY PLANS AND TRAFFIC CONTROL PLANS.

TRAFFIC CONTROL NOTES, SAWMILL RD. PHASE 2

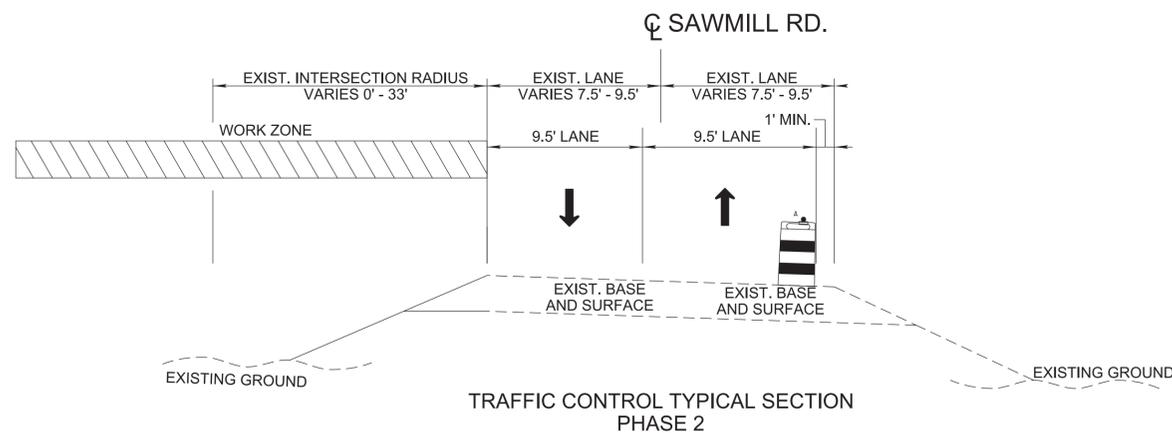
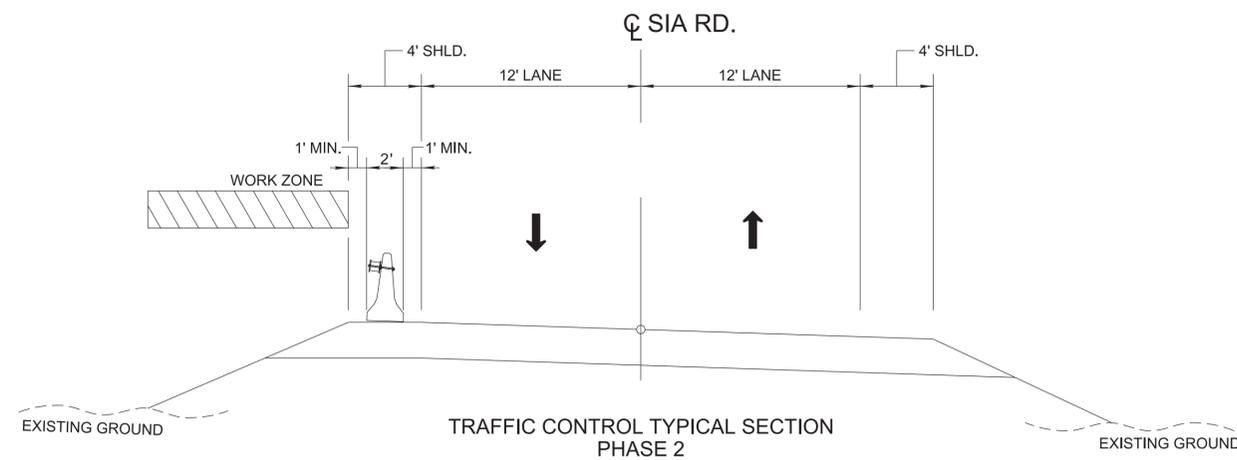
UPDATE ALL TRAFFIC CONTROL SIGNING, DEVICES, AND PAVEMENT MARKINGS AS SHOWN ON THE TRAFFIC CONTROL PLANS.

INSTALL PORTABLE BARRIER RAIL AND TEMPORARY BARRICADES TO CLOSE SAWMILL ROAD AT THE LOCATION OF THE BOX CULVERT AS SHOWN ON THE TRAFFIC CONTROL PLANS.

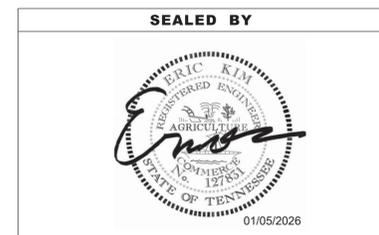
TRAFFIC WEST OF THE SIA ROAD INTERSECTION WILL BE MAINTAINED ON THE LANES OF SAWMILL ROAD.

TRAFFIC EAST OF THE PROPOSED BOX CULVERT STA. 362+37.48 WILL USE THE EXISTING LANES OF SAWMILL ROAD AND THE INTERSECTION RADIUS CONSTRUCTED IN PHASE 1 TO MAINTAIN TWO-WAY TRAFFIC ON OPPOSING LANES AS SHOWN IN THE TRAFFIC CONTROL PLANS AND TYPICAL SECTIONS.

CONSTRUCT PORTION OF PROPOSED BOX CULVERT CELL TO THE LINES AND GRADES AS SHOWN ON THE ROADWAY PLANS AND AS SHOWN ON THE TRAFFIC CONTROL PLANS.



1/5/2026 10:12:01 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\T4.sht



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL
PHASING NOTES**

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	T5

TRAFFIC CONTROL PHASING NOTES

TRAFFIC CONTROL NOTES, SIA RD, PHASE 3

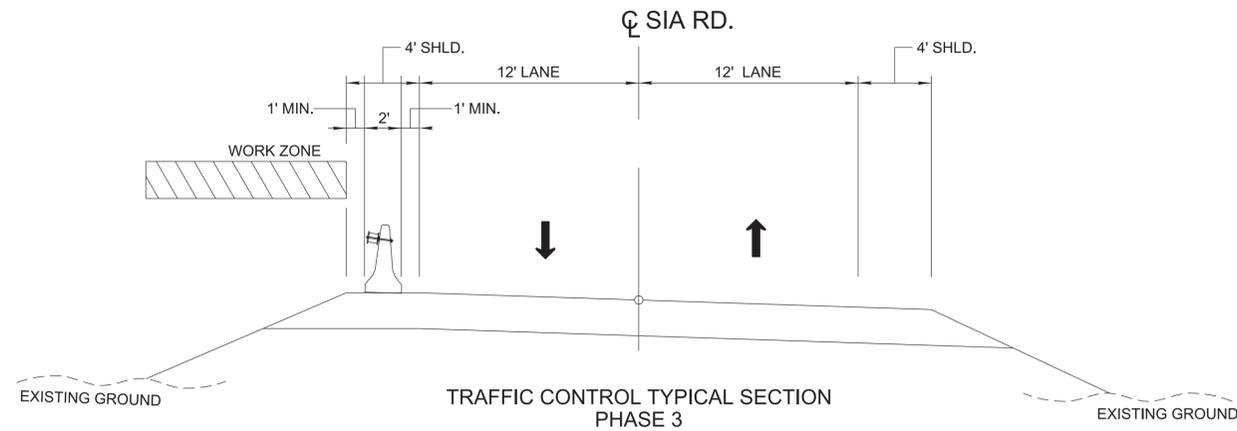
SIA ROAD TRAFFIC CONTROL SIGNS, DEVICES, AND PAVEMENT MARKINGS WILL BE THE SAME AS IN PHASE 2.

TRAFFIC SOUTH OF BOX CULVERT WILL CONTINUE TO USE 12' LANES THAT WERE CONSTRUCTED IN PHASE 1.

INSTALL STOP SIGN AND STOP LINE SOUTH OF SAWMILL ROAD AS SHOWN ON THE TRAFFIC CONTROL PLANS. TRAFFIC NORTH OF STOP LINE WILL BE ONE-WAY STOP-CONTROLLED USING THE INTERSECTION RADIUS THAT WAS CONSTRUCTED IN PHASE 1.

CONSTRUCT REMAINING PORTION OF BOX CULVERT CELL TO THE LINES AND GRADES SHOWN IN THE ROADWAY PLANS AND AS SHOWN IN THE TRAFFIC CONTROL PLANS.

REMOVE TRAFFIC CONTROL SIGNS, DEVICES, AND PAVEMENT MARKINGS UPON COMPLETION OF PHASE 3 OPERATIONS.



TRAFFIC CONTROL TYPICAL SECTION PHASE 3

TRAFFIC CONTROL NOTES, SAWMILL RD., PHASE 3

UPDATE TRAFFIC CONTROL SIGNS, DEVICES, AND PAVEMENT MARKINGS AS SHOWN ON THE TRAFFIC CONTROL PLANS.

PORTABLE BARRIER RAIL AND TEMPORARY BARRICADES FROM PHASE 2 TO REMAIN IN PLACE.

WEST OF THE SIA ROAD INTERSECTION, SAWMILL ROAD TRAFFIC WILL USE EXISTING LANES.

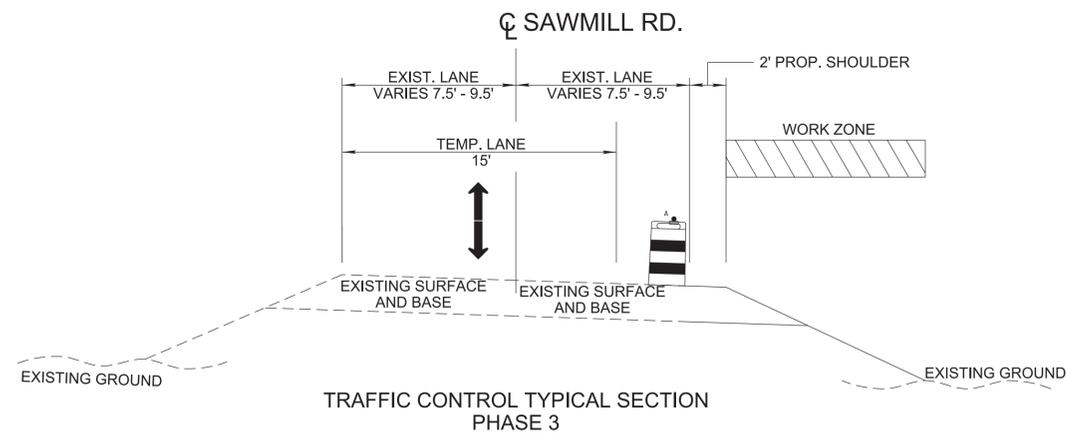
EAST OF THE SIA ROAD INTERSECTION, TRAFFIC WILL BE MAINTAINED ON ONE 15-FOOT, STOP-CONTROLLED LANE.

CONSTRUCTIO THE REMAINING PORTION OF THE BOX CULVERT TO THE LINES AND GRADES SHOWN ON THE ROADWAY PLANS AND IN ACCORDANCE WITH THE TRAFFIC CONTROL PLANS.

GRADE, DRAIN, AND PAVE THE SHOULDER AND GUARDRAIL ON THE RIGHT SIDE OF SAWMILL ROAD TO THE LINES AND GRADES AS SHOWN ON THE ROADWAY PLANS AND CROSS SECTIONS.

INSTALL GUARDRAIL AS SHOWN ON THE ROADWAY PLANS.

REMOVE TRAFFIC CONTROL SIGNS, DEVICES, AND PAVEMENT MARKINGS UPON COMPLETION OF PHASE 3 OPERATIONS.



TRAFFIC CONTROL TYPICAL SECTION PHASE 3

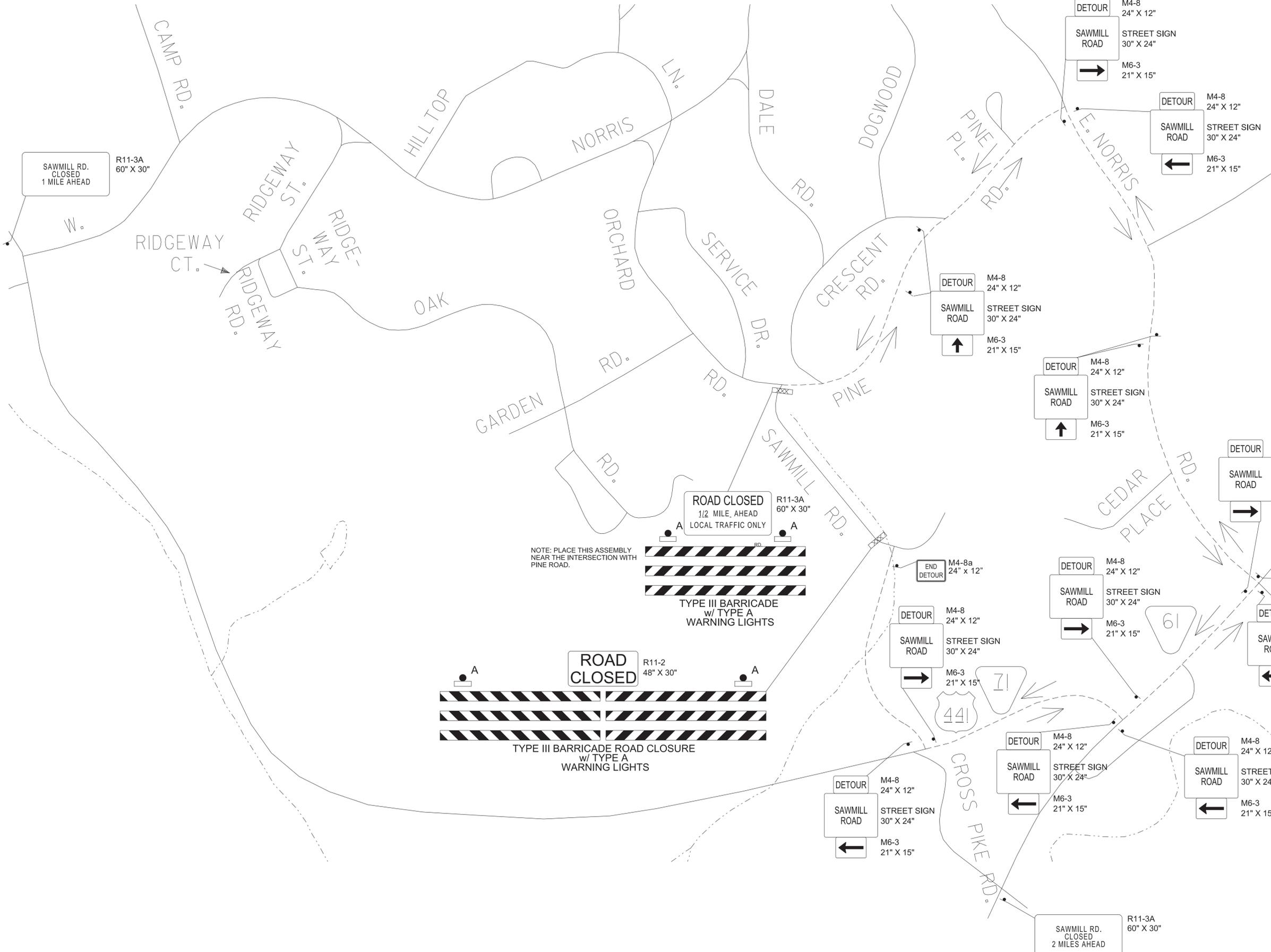
SEALED BY



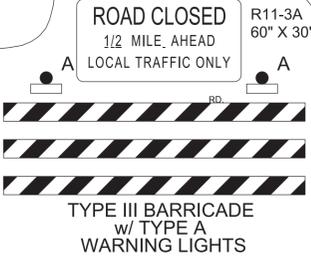
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL
PHASING NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	Q1952-3502-04	T6



NOTE: PLACE THIS ASSEMBLY NEAR THE INTERSECTION WITH PINE ROAD.



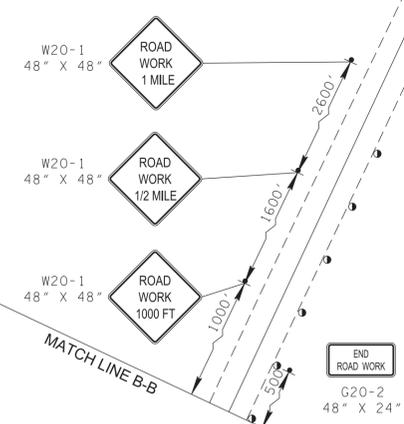
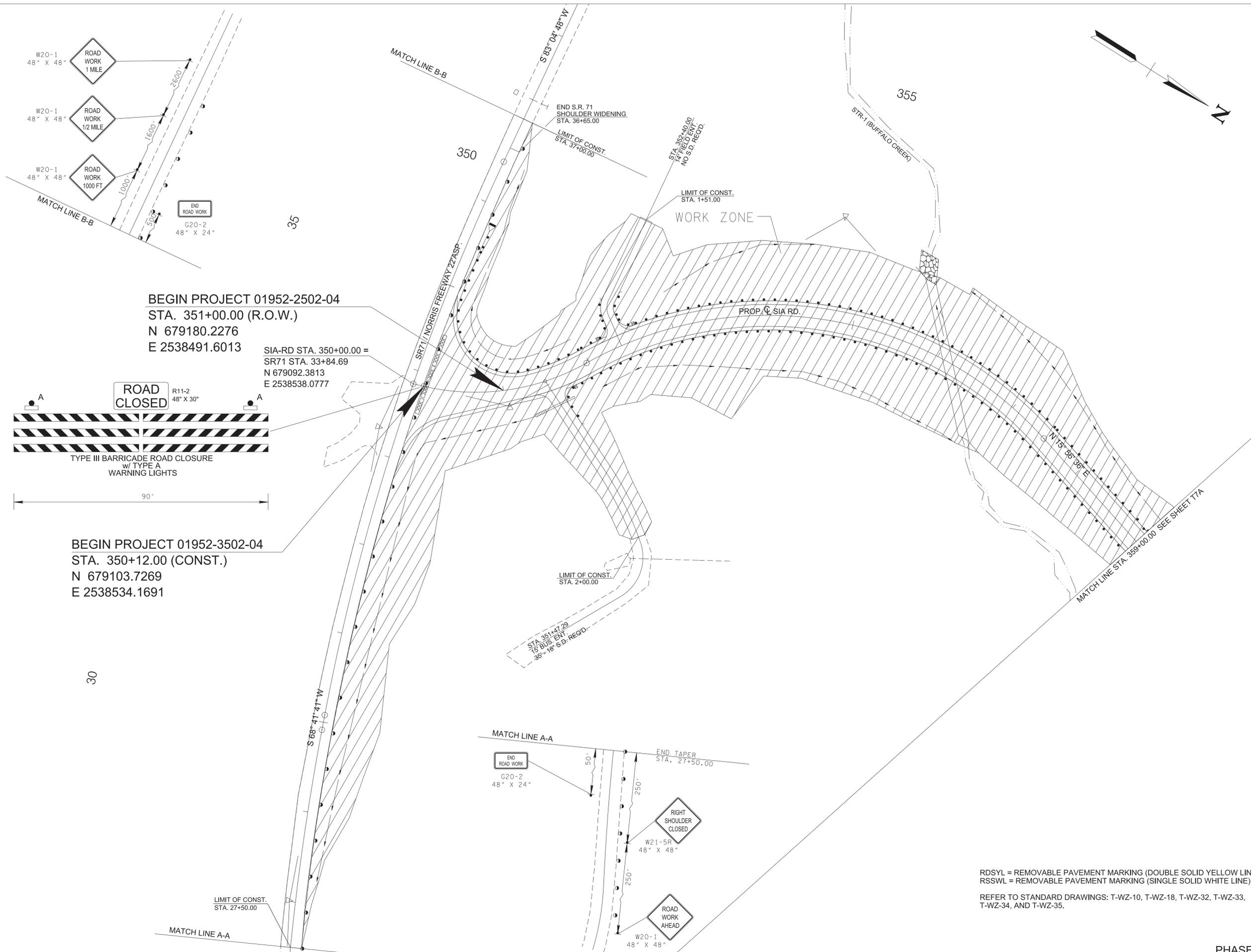
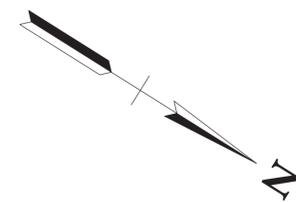
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL
DETOUR PLAN**

DETOUR: APPROX. 1.75 MILES

1/5/2026 10:12:03 AM
L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\T6.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	T3
PS&E	2026	01952-3502-04	T7

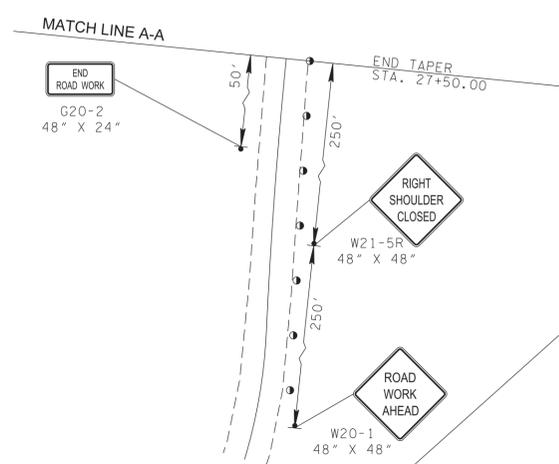


BEGIN PROJECT 01952-2502-04
 STA. 351+00.00 (R.O.W.)
 N 679180.2276
 E 2538491.6013

SIA-RD STA. 350+00.00 =
 SR71 STA. 33+84.69
 N 679092.3813
 E 2538538.0777



BEGIN PROJECT 01952-3502-04
 STA. 350+12.00 (CONST.)
 N 679103.7269
 E 2538534.1691



RDSYL = REMOVABLE PAVEMENT MARKING (DOUBLE SOLID YELLOW LINE)
 RSSWL = REMOVABLE PAVEMENT MARKING (SINGLE SOLID WHITE LINE)
 REFER TO STANDARD DRAWINGS: T-WZ-10, T-WZ-18, T-WZ-32, T-WZ-33,
 T-WZ-34, AND T-WZ-35.

SEALED BY

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

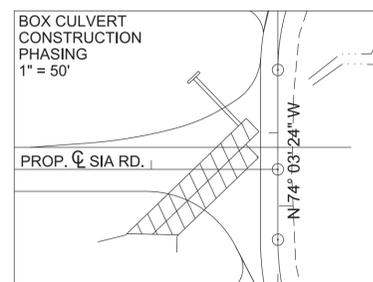
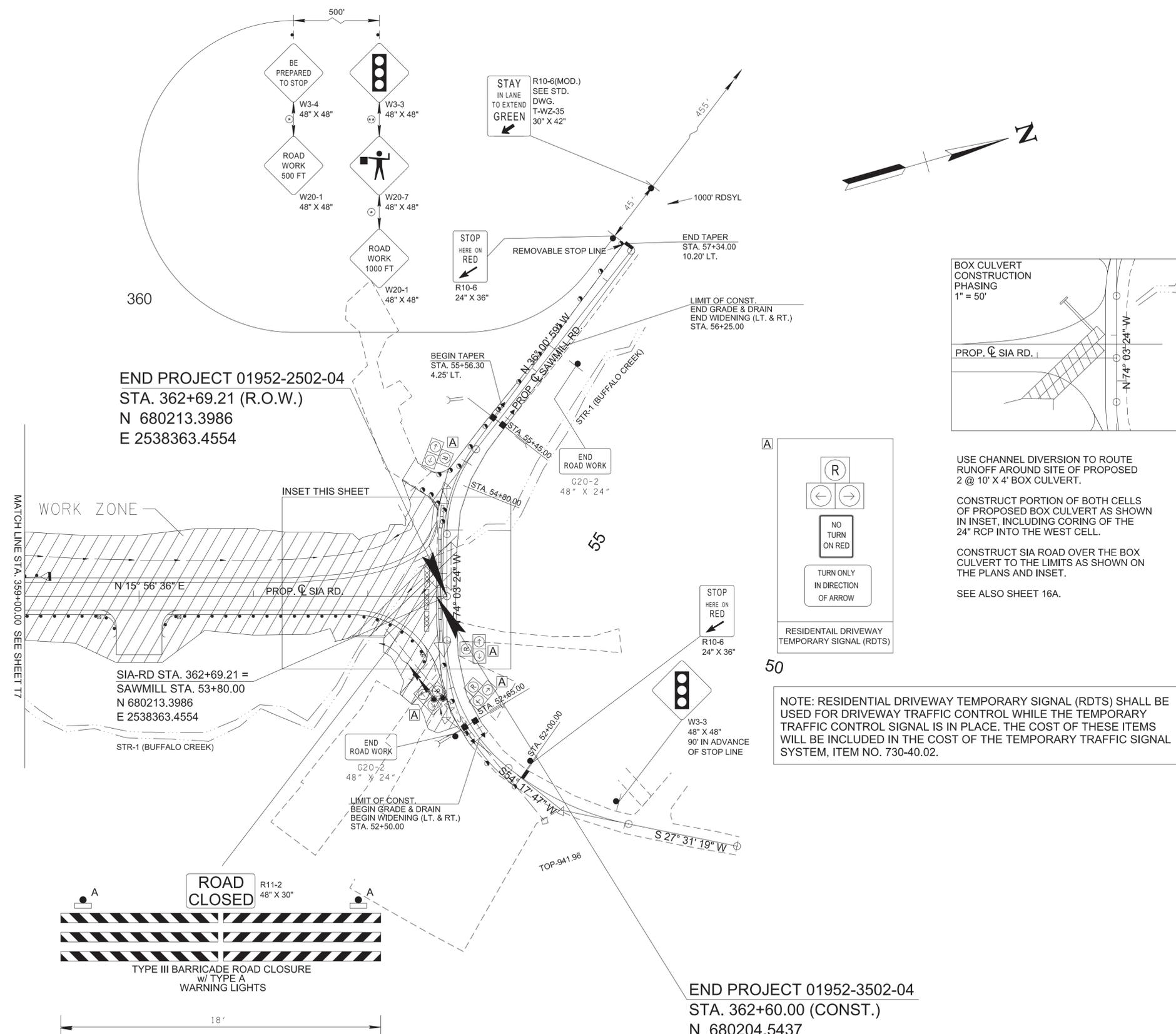
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS
 STA. 350+12.00 TO STA. 359+00.00
 SCALE: 1"= 50'

PHASE 1

1/5/2026 10:12:04 AM L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\T7.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	T4
PS&E	2026	01952-3502-04	T7A

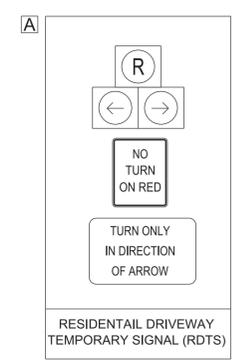


USE CHANNEL DIVERSION TO ROUTE RUNOFF AROUND SITE OF PROPOSED 2 @ 10' X 4' BOX CULVERT.

CONSTRUCT PORTION OF BOTH CELLS OF PROPOSED BOX CULVERT AS SHOWN IN INSET, INCLUDING CORING OF THE 24" RCP INTO THE WEST CELL.

CONSTRUCT SIA ROAD OVER THE BOX CULVERT TO THE LIMITS AS SHOWN ON THE PLANS AND INSET.

SEE ALSO SHEET 16A.



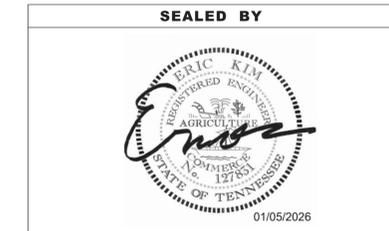
NOTE: RESIDENTIAL DRIVEWAY TEMPORARY SIGNAL (RDTS) SHALL BE USED FOR DRIVEWAY TRAFFIC CONTROL WHILE THE TEMPORARY TRAFFIC CONTROL SIGNAL IS IN PLACE. THE COST OF THESE ITEMS WILL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL SYSTEM, ITEM NO. 730-40.02.



END PROJECT 01952-3502-04
 STA. 362+60.00 (CONST.)
 N 680204.5437
 E 2538360.9258

RDSYL = REMOVABLE PAVEMENT MARKING (DOUBLE SOLID YELLOW LINE)
 RSSWL = REMOVABLE PAVEMENT MARKING (SINGLE SOLID WHITE LINE)

REFER TO STANDARD DRAWINGS: T-WZ-10, T-WZ-18, T-WZ-32, T-WZ-34, AND T-WZ-35.



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

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS
 STA. 359+00.00 TO STA. 362+60.00
 SCALE: 1"= 50'

PHASE 1

1/5/2026 10:12:05 AM
 L:\SURVDESIGN\PROJECTS\Anderson Co Norris SIA PIN 128962.00\T7A.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	T5
PS&E	2026	01952-3502-04	T8

BEGIN PROJECT 01952-2502-04
 STA. 351+00.00 (R.O.W.)
 N 679180.2276
 E 2538491.6013

SIA-RD STA. 350+00.00 =
 SR71 STA. 33+84.69
 N 679092.3813
 E 2538538.0777

BEGIN PROJECT 01952-3502-04
 STA. 350+12.00 (CONST.)
 N 679103.7269
 E 2538534.1691

LIMIT OF CONST.
 STA. 27+50.00

END S.R. 71
 SHOULDER WIDENING
 STA. 36+65.00
 LIMIT OF CONST.
 STA. 37+00.00

STA. 352+40.00
 1/4" FIELD ENT.
 NO S.D. REQD.

LIMIT OF CONST.
 STA. 1+51.00

ROAD
 WORK
 1000 FT

END
 ROAD WORK

LIMIT OF CONST.
 STA. 2+00.00

STA. 351+47.29
 1/8" BUS ENT.
 -35' - 16" S.D. REQD.

RDSYL = REMOVABLE PAVEMENT MARKING (DOUBLE SOLID YELLOW LINE)
 RSSWL = REMOVABLE PAVEMENT MARKING (SINGLE SOLID WHITE LINE)
 REFER TO STANDARD DRAWINGS: T-WZ-10, T-WZ-18, T-WZ-32, T-WZ-33,
 T-WZ-34, AND T-WZ-35.

SEALED BY



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

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

TRAFFIC
 CONTROL
 PLANS

STA. 350+12.00 TO STA. 359+00.00

SCALE: 1" = 50'

PHASE 2

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	T9

BEGIN PROJECT 01952-2502-04
 STA. 351+00.00 (R.O.W.)
 N 679180.2276
 E 2538491.6013

SIA-RD STA. 350+00.00 =
 SR71 STA. 33+84.69
 N 679092.3813
 E 2538538.0777

BEGIN PROJECT 01952-3502-04
 STA. 350+12.00 (CONST.)
 N 679103.7269
 E 2538534.1691

LIMIT OF CONST.
 STA. 27+50.00

END S.R. 71
 SHOULDER WIDENING
 STA. 36+65.00
 LIMIT OF CONST.
 STA. 37+00.00

STA. 352+40.00
 17' FIELD ENT.
 NO S.D. REQD.

LIMIT OF CONST.
 STA. 1+51.00

ROAD
 WORK
 1000 FT

END
 ROAD WORK

LIMIT OF CONST.
 STA. 2+00.00

STA. 351+47.29
 15' BUS ENT.
 35' - 15' S.D. REQD.

RDSYL = REMOVABLE PAVEMENT MARKING (DOUBLE SOLID YELLOW LINE)
 RSSWL = REMOVABLE PAVEMENT MARKING (SINGLE SOLID WHITE LINE)
 REFER TO STANDARD DRAWINGS: T-WZ-10, T-WZ-18, T-WZ-32, T-WZ-33,
 T-WZ-34, AND T-WZ-35.

SEALED BY



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

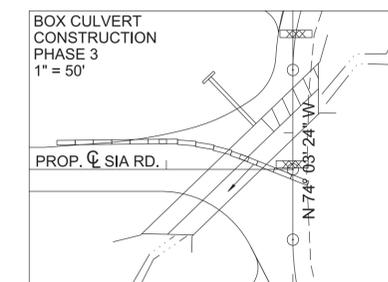
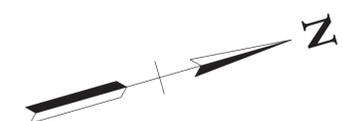
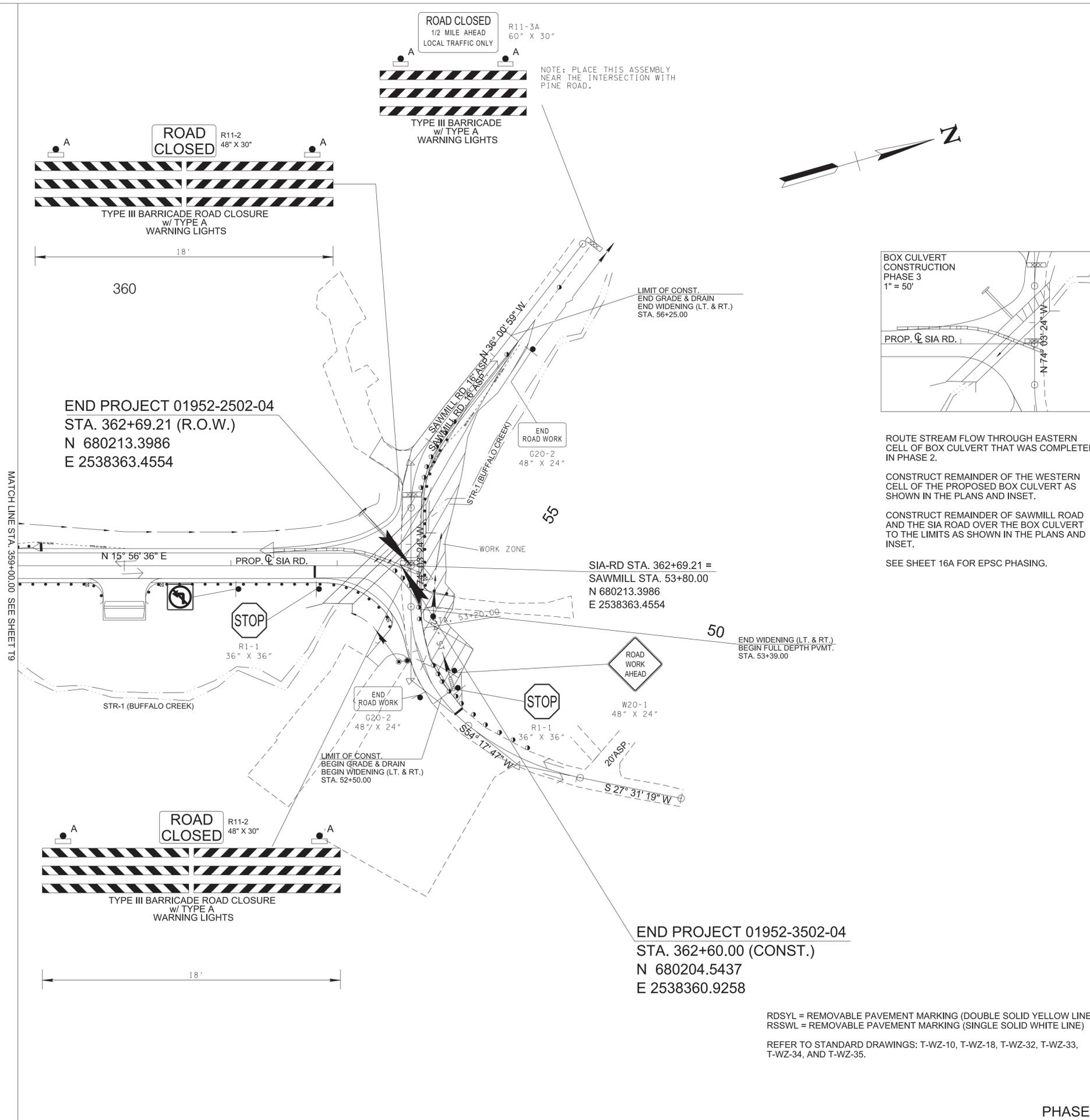
STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

TRAFFIC
 CONTROL
 PLANS

STA. 350+12.00 TO STA. 359+00.00
 SCALE: 1" = 50'

PHASE 3

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	T9A



ROUTE STREAM FLOW THROUGH EASTERN CELL OF BOX CULVERT THAT WAS COMPLETED IN PHASE 2.

CONSTRUCT REMAINDER OF THE WESTERN CELL OF THE PROPOSED BOX CULVERT AS SHOWN IN THE PLANS AND INSET.

CONSTRUCT REMAINDER OF SAWMILL ROAD AND THE SIA ROAD OVER THE BOX CULVERT TO THE LIMITS AS SHOWN IN THE PLANS AND INSET.

SEE SHEET 16A FOR EPSC PHASING.

MATCH LINE STA. 359+00.00 SEE SHEET T9

END PROJECT 01952-2502-04
STA. 362+69.21 (R.O.W.)
N 680213.3986
E 2538363.4554

SIA-RD STA. 362+69.21 =
SAWMILL STA. 53+80.00
N 680213.3986
E 2538363.4554

END PROJECT 01952-3502-04
STA. 362+60.00 (CONST.)
N 680204.5437
E 2538360.9258

RDSYL = REMOVABLE PAVEMENT MARKING (DOUBLE SOLID YELLOW LINE)
RSSWL = REMOVABLE PAVEMENT MARKING (SINGLE SOLID WHITE LINE)

REFER TO STANDARD DRAWINGS: T-WZ-10, T-WZ-18, T-WZ-32, T-WZ-33, T-WZ-34, AND T-WZ-35.



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

**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLANS
STA. 359+00.00 TO STA. 362+60.00
SCALE: 1" = 50'

PHASE 3

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC	2025	01952-3502-04	G-1
PIH	2025	01952-3502-04	G-1
PS&E	2026	01952-3502-04	G-1

GEOTECHNICAL INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET	GEOTECH-SIGN1
GEOTECHNICAL INDEX.....	G-1
GEOTECHNICAL NOTES & ESTIMATED QUANTITIES.....	G-2
GEOTECHNICAL BORING LAYOUTS	G-3-G-4
GEOTECHNICAL TYPICAL SECTIONS.....	G-5-G-6

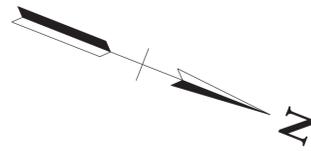
\$\$\$\$SYTIME\$\$\$\$
 \$\$\$\$DESIGNSPEC\$\$\$\$
 \$\$\$\$\$\$

PS&E

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
 INDEX

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC	2025	01952-3502-04	G-3
PIH	2025	01952-3502-04	G-3
PS&E	2026	01952-3502-04	G-3



\$\$\$\$\$TIMES\$\$\$\$\$
 \$\$\$DGN\$PEC\$\$\$\$\$



PS&E

SEALED BY

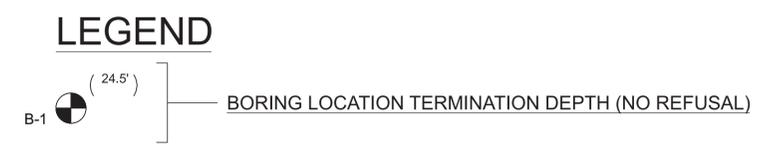
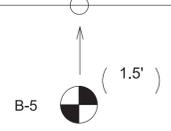
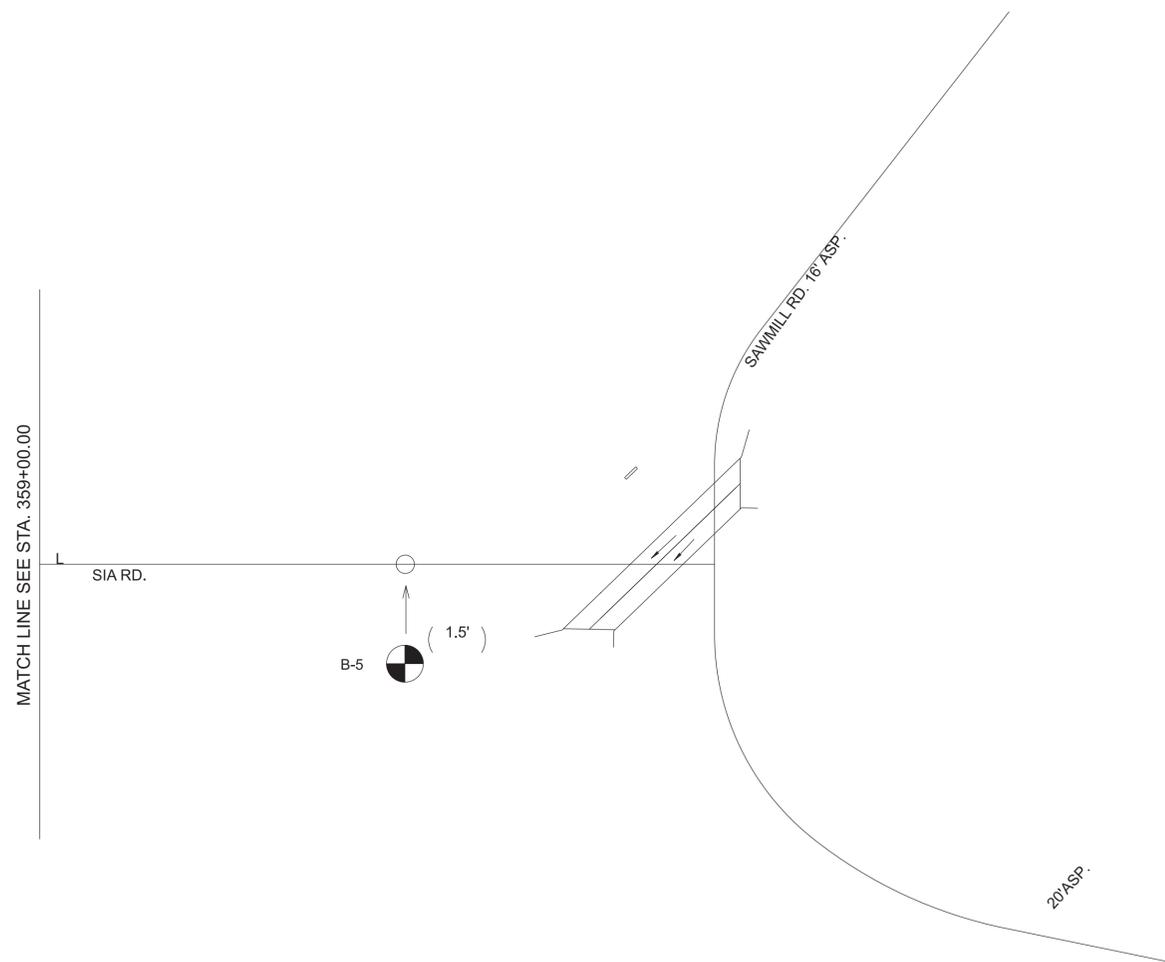
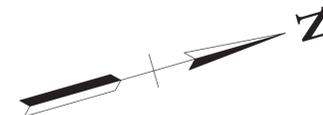
LEGEND

- B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL
- B-1 (24.5') — BORING LOCATION TERMINATION DEPTH (NO REFUSAL)

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
 BORING
 LAYOUT

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC	2025	01952-3502-04	G-4
PIH	2025	01952-3502-04	G-4
PS&E	2026	01952-3502-04	G-4



PS&E

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

**GEOTECHNICAL
BORING
LAYOUT**

\$\$\$\$\$TIMES\$\$\$\$\$
\$\$\$\$\$DGN\$PEC\$\$\$\$\$

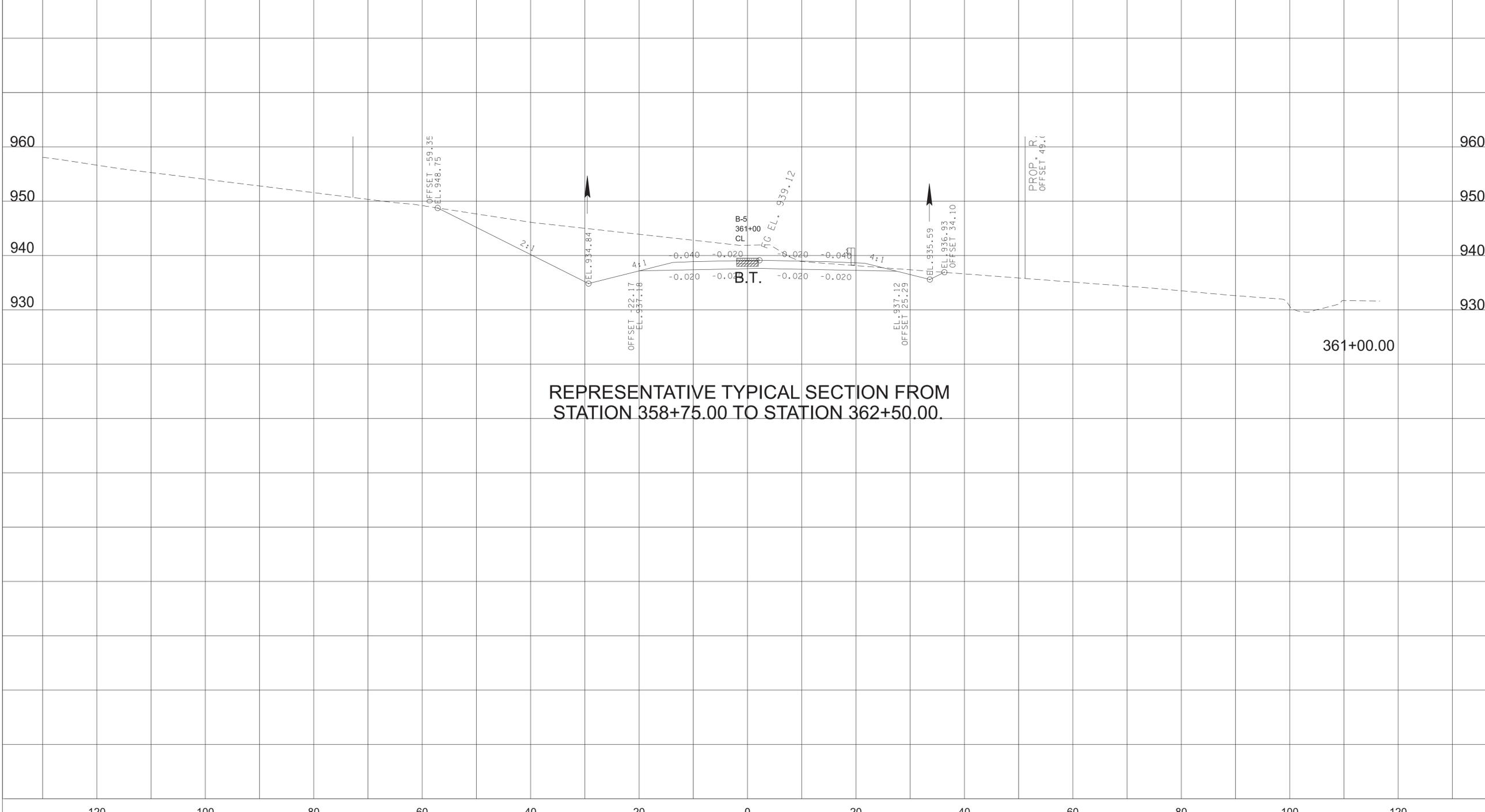
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNC	2025	01952-3502-04	G-6
PIH	2025	01952-3502-04	G-6
PS&E	2026	01952-3502-04	G-6

LEGEND

 CLAY (TYPE A MATERIAL)

 SAND

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON GEOTECHNICAL NOTES AND EST. QTY'S. SHEET.
B.T.= BORING TERMINATED



REPRESENTATIVE TYPICAL SECTION FROM STATION 358+75.00 TO STATION 362+50.00.

PS&E

SEALED BY



01/05/2026

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

\$\$\$\$SYTIME\$\$\$\$
\$\$\$\$DGN\$PEC\$\$\$\$

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

SWPPP INDEX OF SHEETS

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

NOTE: CITATIONS IN PARENTHESIS INDICATE SECTIONS OF THE CURRENT CGP.

- SWPPP REQUIREMENTS (5.0.)**
 - 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
 - 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
 - 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)
- SITE DESCRIPTION (5.5.1.)**
 - PROJECT LIMITS (5.5.1.f): REFER TO TITLE SHEET
 - TOTAL PROJECT AREA (5.5.1.b): 6.38 ACRES
 - TOTAL AREA TO BE DISTURBED (5.5.1.b): 4.84 ACRES
 - PROJECT DESCRIPTION (5.5.1.a):

TITLE: SIA Serving Norris Industrial Park
COUNTY: Anderson
PIN: 128962.00
 - SITE MAP(S) (3.2.2.): REFER TO TITLE SHEET
 - DESCRIPTION OF EXISTING SITE TOPOGRAPHY (5.5.1.c): REFER TO EXISTING CONTOURS SHEET(S) 15-15A, DRAINAGE MAP SHEET(S) 10-11, USGS QUAD MAP, AND THE OUTFALL TABLE IN SECTION 4.2.
 - 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): _____
 - NO MORE THAN 50 ACRES OF ACTIVE SOIL DISTURBANCE IS ALLOWED AT ANY TIME DURING THE CONSTRUCTION OF THE PROJECT.
 - ARE THERE ANY SEASONAL LIMITATIONS ON WORK? YES NO
IF YES, LIST THE CORRESPONDING PLAN SHEET: _____

- 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)**
- 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)
Dewey silt loam	B	47.1	0.37
Colbert-Lyerly-Rock outcrop complex	D	28.0	0.43
Hamblen silt loam	B/D	24.9	0.37

- IS ACID PRODUCING ROCK (APR) (i.e. PYRITE) LOCATED WITHIN THE PROJECT LIMITS? YES NO
 - IF YES TO SECTION 2.13, HAVE APR LOCATIONS BEEN IDENTIFIED WITHIN THE CONSTRUCTION PLANS AND/OR THE GEOTECHNICAL REPORT? YES NO; AND
 - 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.)
- 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	0.13	2	98	
PERVIOUS	6.25	98	62	
WEIGHTED CURVE NUMBER OR C-FACTOR =			62.7	

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS				
AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	0.96	15	98	
PERVIOUS	5.42	85	62	
WEIGHTED CURVE NUMBER OR C-FACTOR =			67.4	

- 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.
 - SPECIAL SEQUENCING REQUIREMENTS (SEE SHEETS 16A1-16A3)
 - INSTALL STABILIZED CONSTRUCTION EXITS.

- INSTALL PERIMETER PROTECTION WHERE RUNOFF SHEET FLOWS FROM THE SITE.
- 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.
- PERFORM CLEARING AND GRUBBING (NOT MORE THAN TWO WEEKS PRIOR TO GRADING OR EARTH-MOVING. REFER TO THE STABILIZATION PRACTICES BELOW.).
- REMOVE AND STORE TOPSOIL.
- 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).
- INSTALL UTILITIES, STORM SEWERS, CULVERTS AND BRIDGE STRUCTURES.
- INSTALL INLET AND CULVERT PROTECTION ONCE STRUCTURES ARE IN PLACE AND CAPABLE OF INTERCEPTING FLOW.
- PERFORM FINAL GRADING AND INSTALL BASE STONE.
- COMPLETE FINAL PAVING AND SEALING OF CONCRETE.
- INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.
- COMPLETE PERMANENT STABILIZATION (TOPSOIL, SEEDING, MULCH, EROSION CONTROL BLANKET, SOD, ETC.)
- REMOVE TEMPORARY EROSION CONTROLS AND ACCUMULATED SEDIMENT FROM AREAS THAT HAVE ESTABLISHED AT LEAST 70 PERCENT UNIFORM PERMANENT VEGETATIVE COVER.
- RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

- STREAM, OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION**
 - STREAM INFORMATION (5.5.1.h, 5.5.1.i)
 - 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.
 - 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)
 - 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	Unnamed trib to Buffalo Creek	No	No	Yes	Yes

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

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

- 4.1.5. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES REQUIRED FOR WATERS OF THE STATE? (5.5.1.1, 6.4.2.)
 YES NO
BUFFER ZONE REQUIREMENTS ARE NOT REQUIRED FOR PRE-APPROVED SITES (4.1.2.2.)
 IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) _____.
 IF YES, CHECK THE APPROPRIATE BOX BELOW FOR SIZE OF BUFFER.
- 60-FEET FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS (ETW) (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 30-FEET).
 A 60 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STATE STREAM WITH THIS DESIGNATION SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 30 FEET AT ANY MEASURED LOCATION. IF THE CONSTRUCTION SITE ENCOMPASSES BOTH SIDES OF A STREAM, BUFFER AVERAGING CAN BE APPLIED TO BOTH SIDES, BUT MUST BE APPLIED INDEPENDENTLY.
- 30-FEET FOR ALL OTHER STREAMS (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 15-FEET).
 A 30 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STATE STREAM SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 30 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 15 FEET AT ANY MEASURED LOCATION. IF THE CONSTRUCTION SITE ENCOMPASSES BOTH SIDES OF A STREAM, BUFFER AVERAGING CAN BE APPLIED TO BOTH SIDES, BUT MUST BE APPLIED INDEPENDENTLY.
- 15-FEET FOR ANY WET WEATHER CONVEYANCES IDENTIFIED AS WATERS OF THE US BY THE US ARMY CORPS OF ENGINEERS.
- 4.1.6. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES NOT REQUIRED FOR STATE WATERS DUE TO A TDEC ARAP? (1.5.2.)
 YES NO
- 4.1.7. ARE THERE WATER QUALITY RIPARIAN BUFFER ZONE EXEMPTIONS? (4.1.2.1.) YES NO
 IF YES, EXISTING CONDITIONS DESCRIPTION: _____
- 4.1.8. EVERY ATTEMPT SHOULD BE MADE FOR CONSTRUCTION ACTIVITIES TO NOT TAKE PLACE WITHIN THE WATER QUALITY RIPARIAN BUFFER ZONE AND FOR EXISTING FORESTED AREAS TO BE PRESERVED. (4.1.2., 6.4.2.)
- 4.1.9. BECAUSE OF HEAVY SEDIMENT LOAD ASSOCIATED WITH CONSTRUCTION SITE RUNOFF, WATER QUALITY RIPARIAN BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE WATER QUALITY RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA.
- 4.1.10. WHERE IT IS NOT PRACTICABLE TO MAINTAIN A FULL WATER QUALITY RIPARIAN BUFFER, BEST MANAGEMENT PRACTICES

(BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MUST BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CGP. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

- 4.2. OUTFALL INFORMATION
- 4.2.1. OUTFALL TABLE (5.5.1.c). SEE SWPPP SHEET S-8 FOR OUTFALL INFORMATION.
- 4.2.2. HAVE ALL OUTFALLS BEEN LABELED ON THE EPSC PLAN SHEETS (5.5.1.f)? YES NO
- 4.2.3. HAVE ALL OUTFALLS BEEN LABELED ON A USGS TOPOGRAPHIC MAP INCLUDED IN THE "DOCUMENTATION AND PERMITS" BINDER (3.2.2.)? YES NO
- 4.2.4. WHERE POSSIBLE, HAS NON-PROJECT RUN-ON BEEN DIVERTED AROUND OR THROUGH THE PROJECT TO ELIMINATE CONTACT WITH DISTURBED AREAS OF THE PROJECT AND SEPARATE IT FROM PROJECT RUN-OFF THEREBY REDUCING THE DRAINAGE AREA OF TO THE OUTFALLS IN THIS AREA?
 YES NO N/A
- 4.2.5. ARE EQUIVALENT MEASURES BEING SUBSTITUTED FOR A SEDIMENT BASIN(S) OR SEDIMENT TRAP(S)? (5.5.3.5.)
 YES NO N/A
- 4.2.6. A SEDIMENT BASIN, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:
 OF TEN ACRES OR MORE FOR AN OUTFALL(S) THAT DOES NOT DISCHARGE TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN OR EQUIVALENT CONTROL MEASURES THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A MINIMUM 2-YEAR/ 24-HOUR STORM EVENT, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (5.5.3.5)
 OR
 OF FIVE ACRES OR MORE FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/ 24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (6.4.1.e).
 ALL CALCULATIONS RELATED TO DRAINAGE AREAS, RUNOFF COEFFICIENTS, BASIN VOLUMES AND EQUIVALENT CONTROL MEASURES MUST BE PROVIDED IN THE SWPPP (5.5.3.5.)
- 4.2.7. A SEDIMENT TRAP, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:
 OF 3.5 - 4.9 ACRES FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS (303d SILTATION) OR EXCEPTIONAL TENNESSEE WATERS (ETW). A SEDIMENT TRAP THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (6.4.1.f).
 IN BOTH INSTANCES, THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS.
- 4.2.8. SEDIMENT STRUCTURES TREATING DRAINAGE AREAS IN EXCESS OF 25 ACRES REQUIRE A SITE-SPECIFIC DESIGN THAT ACCURATELY DEFINES THE SITE HYDROLOGY, SITE-SPECIFIC SEDIMENT LOADING, HYDRAULICS OF THE SITE, AND ADHERES TO ALL TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK DESIGN RECOMMENDATIONS FOR SEDIMENT BASINS. (5.5.3.5.)

4.3. WETLAND INFORMATION

WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROLS IMPACT ANY WETLANDS? YES NO
 IF YES, THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND IN THE WATER QUALITY PERMITS.

WETLAND INFORMATION				
TDOT WETLAND LABEL	FROM STATION LT OR RT	TO STATION LT OR RT	TEMPORARY IMPACTS (AC)	PERMANENT IMPACTS (AC)

- 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 2-YEAR, 24 HOUR STORM EVENT (5.5.3.5., 6.4.1.b).
- 5.5. ARE THE LIMITS OF DISTURBANCE CLEARLY MARKED ON THE EPSC PLANS (5.5.1.f)? YES NO
- 5.6. AREAS TO BE UNDISTURBED SHALL BE CLEARLY MARKED IN THE FIELD BEFORE CONSTRUCTION ACTIVITIES BEGIN.
- 5.7. UNLESS OTHERWISE NOTED IN THE PLANS, THE CONTRACTOR SHALL NOT CLEAR/DISTURB ANY AREA BEYOND 15 FEET FROM SLOPE LINES OR ROW/ EASEMENT LINE, WHICHEVER IS LESSER.
- 5.8. CLEARING, GRUBBING, AND OTHER DISTURBANCE TO RIPARIAN VEGETATION SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR SLOPE CONSTRUCTION AND EQUIPMENT OPERATIONS. EXISTING VEGETATION, INCLUDING STREAM AND WETLAND BUFFERS (UNLESS PERMITTED), SHOULD BE PRESERVED TO THE MAXIMUM EXTENT POSSIBLE. UNNECESSARY VEGETATION REMOVAL IS PROHIBITED.
- 5.9. HAS A THREE STAGED EPSC PLAN BEEN PREPARED FOR THE PROJECT (5.5.2.)?
 YES NO

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

- 5.10. STEEP SLOPES ARE DEFINED AS A NATURAL OR CREATED SLOPE OF 35% GRADE OR GREATER REGARDLESS OF HEIGHT. HAVE STEEP SLOPES BEEN MINIMALLY DISTURBED AND/OR PROTECTED BY CONVEYING RUNOFF NON-EROSIVELY AROUND OR OVER THE SLOPE (5.5.3.4.) (10. "STEEP SLOPE")? YES NO N/A
- 5.11. THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE AQUATIC RESOURCE ALTERATION (ARAP) PERMIT OR SECTION 401 CERTIFICATION (5.5.1.h). REFER TO THE LIST OF APPLICABLE ENVIRONMENTAL PERMITS LOCATED ON SWPPP SHEET S-7. ALL PERMITS WILL BE MAINTAINED ON SITE WITHIN THE "DOCUMENTATION AND PERMITS" BINDER.
- 5.12. THE EPSC CONTROL MEASURES LISTED IN THE QUANTITIES TABLE ON SHEET 14 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 14 (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 DOWNGRADE SIDE OF STOCKPILED SOIL. ANY TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING DRY CONDITIONS, REMOVED AND STABILIZED BY THE END OF THE WORK DAY.
- 7.3. UTILITY CROSSINGS IN ENVIRONMENTAL FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. ENVIRONMENTAL PERMITS APPLY TO UTILITIES IN THIS PROJECT. THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMITS.
- 7.4. IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR TO PROTECT EXPOSED EARTH FROM EROSION AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE EPSC MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFF-SITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME, SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFF-SITE AND ENTERING WATERS OF THE STATE/U.S.
- 7.5. FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN FOURTEEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOILS OF EXCAVATED EARTH SHALL BE LOCATED WITHIN TDOT EPSC MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE STATE UTILITY CONTRACTOR UNTIL THE TRENCH IS BACKFILLED.
- 7.6. IN REGARDS TO EPSC, TDEC REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS ON THIS PROJECT. THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT.
- 7.7. TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORMWATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EPSC MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.
- 7.8. FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT RIGHT-OF-WAY, EPSC MEASURES SHALL BE INSTALLED PRIOR TO CLEARING (TRENCHING AND ASSOCIATED BLASTING) IN THOSE AREAS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. THESE EPSC MEASURES SHALL REMAIN UNTIL THE BACKFILLED TRENCH IS STABILIZED WITH PERMANENT VEGETATIVE COVER.

- 7.9. THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS AS APPROVED BY THE TDOT RESPONSIBLE PARTY.
- 7.10. THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EPSC MEASURES TO REPLACE ONSITE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT ENGINEER BEFORE COMMENCING WORK.
- 7.11. FOR UTILITY CROSSINGS THAT UTILIZE HORIZONTAL DIRECTIONAL DRILLING THE FOLLOWING SHALL APPLY:
 - 7.11.1. THE ENTRY AND EXIT POINTS SHALL BE AT LEAST 50 FEET FROM THE STREAM BANK OR WETLAND BOUNDARY.
 - 7.11.2. THE DEPTH OF BORE BELOW THE STREAMBED IS SUFFICIENT TO PREVENT RELEASE OF DRILLING FLUID, BASED ON THE PARENT MATERIAL.
 - 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)

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 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.

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

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


 AUTHORIZED TDOT PERSONNEL SIGNATURE (5.3.3.)
 KEVEN BROWN
 PRINTED NAME
 TEAM LEAD
 TITLE
 1-5-26
 DATE

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

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

 AUTHORIZED CONTRACTOR PERSONNEL SIGNATURE (5.3.3.)

 PRINTED NAME

 TITLE

 DATE

16. ENVIRONMENTAL PERMITS (1.5.2.)

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

ENVIRONMENTAL PERMITS			
PERMIT	YES OR NO	PERMIT OR TRACKING NO.	EXPIRATION DATE*
TDEC ARAP	YES	NRS23.350	6/6/2029
CORPS OF ENGINEERS (USACE)	YES	LRN-2024-00215	3/14/2026
TVA 26A	NO		
TDEC CGP	YES	TNR192398	9/30/2026
OTHER:			

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

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

OUTFALL LABEL	SUB OUTFALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	SEDIMENT TRAP OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
OUT-1		350+00 RT	6.60	4.263	2.475	2.475			Buffalo Creek	
OUT-2		352+00 RT	1.34	0.070	0.020	0.020			STR-1	
OUT-3		352+75 RT	1.31	0.074	0.021	0.021			STR-1	
OUT-4		353+00 LT	7.14	0.580	0.490	0.490			STR-1	
OUT-5		353+00 LT	9.23	0.124	0.124	0.124			STR-1	
OUT-6		354+50 LT	13.81	0.043	0.145	0.145			STR-1	
OUT-7		356+00 LT	13.52	0.214	12.107	12.107			STR-1	
OUT-8		357+00 RT	8.33	11.462	0.662				STR-1	
OUT-9		363+00 LT	13.72	0.233	0.164	0.164			STR-1	
OUT-10		362+00 RT	8.58	3.170	0.707	0.707			STR-1	
OUT-11		362+50 LT	6.99	3.118	3.088	3.088			STR-1	
OUT-12		360+00 RT	13.96	0.422					STR-1	
OUT-21		357+00 RT	12.49		0.662	0.662			STR-1	

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

TENN.	YEAR	SHEET NO.
	2026	U1-1
FED. AID PROJ. NO.	N/A	
STATE PROJ. NO.	01952-3502-04	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

ANDERSON COUNTY

SIA: STATE INDUSTRIAL ACCESS SERVING
NORRIS INDUSTRIAL PARK

UTILITIES INDEX	
SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITY OWNERS	U1 SERIES

UTILITIES

STATE HIGHWAY NO. NA U.S. ROUTE NO. NA

**UTILITIES NOT IN
ROADWAY CONTRACT**

<p>ELECTRIC: CLINTON UTILITIES BOARD 1001 CHARLES G. SEIVERS BLVD. CLINTON, TN 37717 DAVID METCHIKOFF (865) 220-6245 (%PUBLIC/PRIVATE - MOVE PRIOR)</p>	<p>GAS: POWELL CLINCH UTILITY DISTRICT 203 FIRST STREET LAKE CITY, TN 37769 AARON MCCOY 865-964-5439 (NO COST)</p>
<p>WATER: NORRIS WATER COMMISSION 94 EAST NORRIS ROAD NORRIS, TN 37828 TONY WILKERSON 865-254-4280 (NO CONFLICT)</p>	<p>SEWER: NORRIS WATER COMMISSION 94 EAST NORRIS ROAD NORRIS, TN 37828 TONY WILKERSON 865-254-4280 (NO CONFLICT)</p>

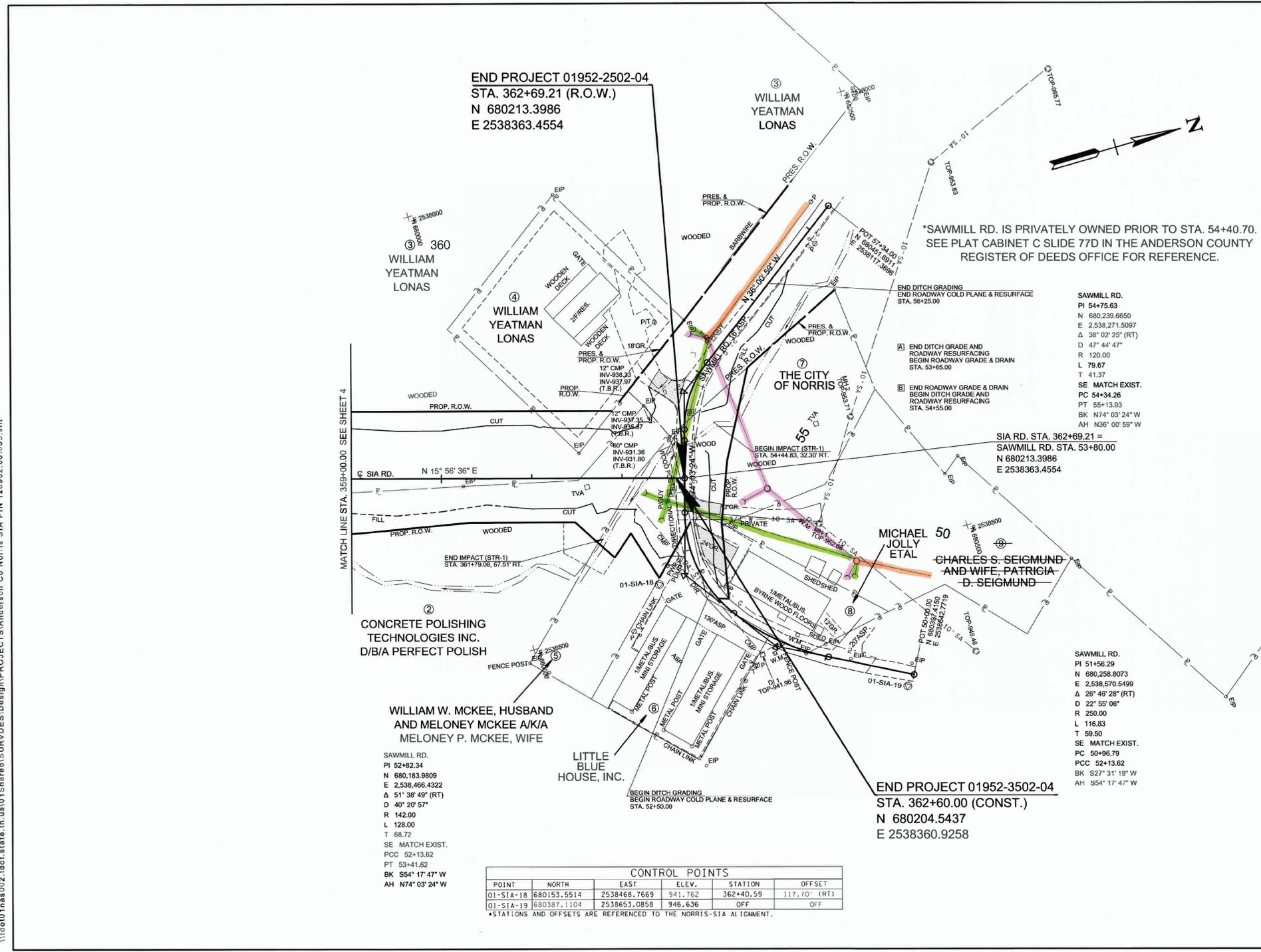
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY INDEX,
UTILITY OWNERS

\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DGENSPEC\$\$\$\$\$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	U1-2

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	01952-2502-04	5



END PROJECT 01952-2502-04
 STA. 362+69.21 (R.O.W.)
 N 680213.3986
 E 2538363.4554

③ 360
 WILLIAM YEATMAN LONAS

④ WILLIAM YEATMAN LONAS

⑦ THE CITY OF NORRIS

⑤ MICHAEL JOLLY ETAL
 CHARLES S. SEIGMUND AND WIFE, PATRICIA D. SEIGMUND

② CONCRETE POLISHING TECHNOLOGIES INC.
 D/B/A PERFECT POLISH

WILLIAM W. MCKEE, HUSBAND AND MELONEY MCKEE A/K/A MELONEY P. MCKEE, WIFE

LITTLE BLUE HOUSE, INC.

SAWMILL RD.
 PI 52+82.34
 N 680,183.9809
 E 2,538,466.4322
 Δ 51° 38' 49" (RT)
 D 40' 20' 57"
 R 142.00
 L 128.00
 T 68.72
 SE MATCH EXIST.
 PCC 52+13.62
 PT 53+41.62
 BK S54° 17' 47" W
 AH N74° 03' 24" W

END PROJECT 01952-3502-04
 STA. 362+60.00 (CONST.)
 N 680204.5437
 E 2538360.9258

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
01-SIA-18	680153.5514	2538468.7669	941.762	362+40.59	117.70' (RT)
01-SIA-19	680387.1104	2538653.0858	946.636	OFF	OFF

*STATIONS AND OFFSETS ARE REFERENCED TO THE NORRIS-SIA ALIGNMENT.

*SAWMILL RD. IS PRIVATELY OWNED PRIOR TO STA. 54+40.70. SEE PLAT CABINET C SLIDE 77D IN THE ANDERSON COUNTY REGISTER OF DEEDS OFFICE FOR REFERENCE.

SAWMILL RD.
 PI 54+75.63
 N 680,239.6650
 E 2,538,271.5097
 Δ 38° 02' 25" (RT)
 D 47' 44' 47"
 R 120.00
 L 79.67
 T 41.37
 SE MATCH EXIST.
 PC 54+34.26
 PT 55+13.93
 BK N74° 03' 24" W
 AH N36° 00' 59" W

SIA RD. STA. 362+69.21 =
 SAWMILL RD. STA. 53+80.00
 N 680213.3986
 E 2538363.4554

SAWMILL RD.
 PI 51+56.29
 N 680,258.8073
 E 2,538,570.5499
 Δ 26° 46' 28" (RT)
 D 22' 55' 06"
 R 250.00
 L 116.83
 T 59.50
 SE MATCH EXIST.
 PC 50+96.79
 PCC 52+13.62
 BK S27° 31' 19" W
 AH S54° 17' 47" W

R.O.W.
PLANS

SEALED BY

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 359+00.00 TO STA. 362+69.21
SCALE: 1"= 50'

30-SEP-2022 15:42 \\t\g010\ines002\l\del.state.in.us\01\shared\SURVDES\Design\PROJECTS\Anderson Co Norris SIA PIN 128962.00\005.sht

UTILITY REFERENCE - CLINTON UTILITIES BOARD - ELECTRIC

(%PUBLIC/PRIVATE - MOVE PRIOR; NOT TO SCALE)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

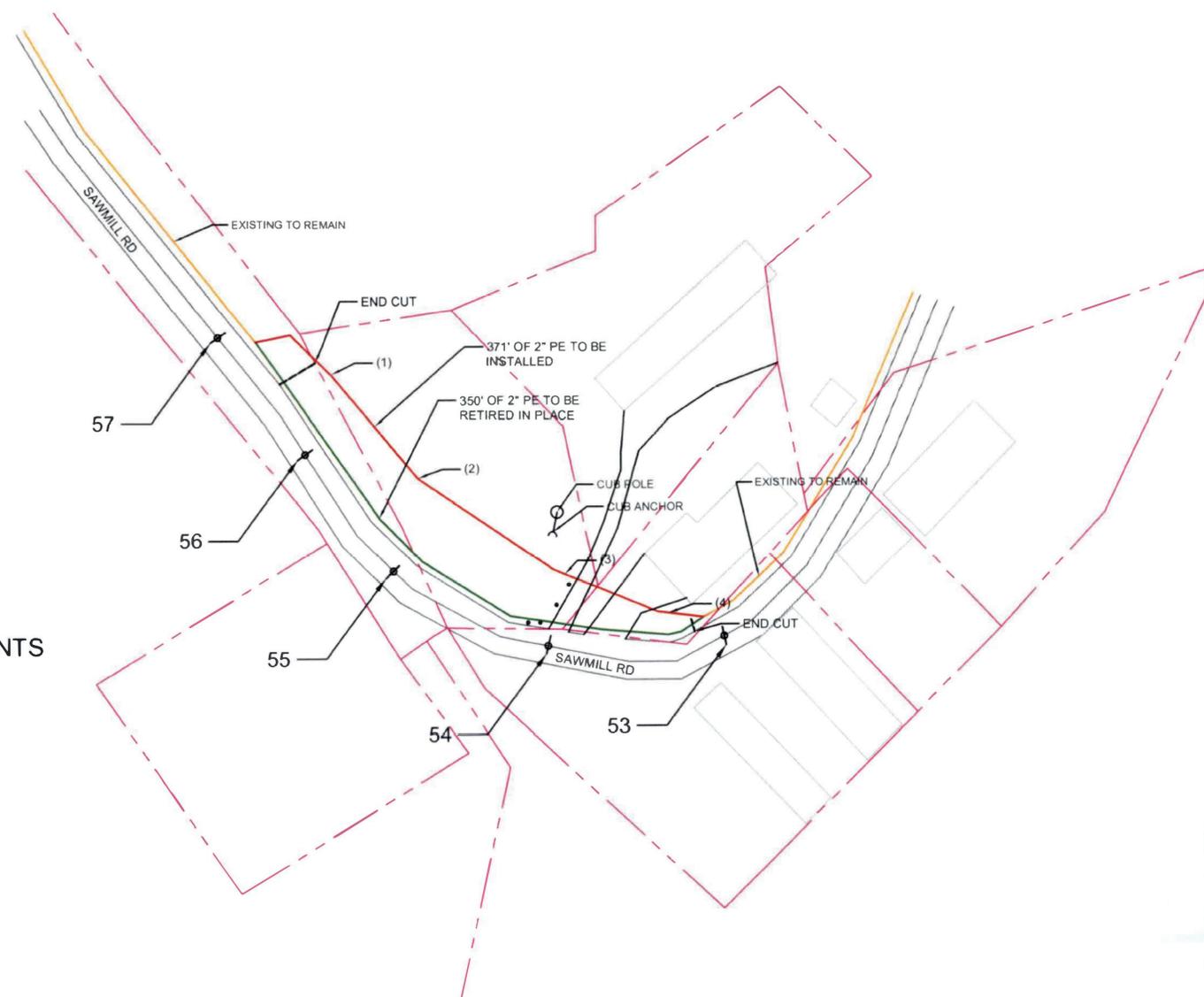
UTILITIES REFERENCE

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	01952-3502-04	U1-3
---	---	---	---
---	---	---	---

LEGEND	
	PROPOSED 2" PE
	2" PE EXISTING TO REMAIN
	2" PE TO BE RETIRED IN PLACE
	PROPERTY LINES
	END CUT
	GUARD RAIL
(1)	39' FROM CENTER OF SAWMILL RD
(2)	50' FROM CENTER OF SAWMILL RD
(3)	52' FROM CENTER OF SAWMILL RD
(4)	30' FROM CENTER OF SAWMILL RD

NOTES:

- 1.) PCUD TO INSTALL NEW 2" PE AT A DEPTH OF 4'+ VIA HDD
- 2.) PCUD TO PURGE AND CAP RETIRED 2" PE
- 3.) PCUD TO ACQUIRE TEMPORARY EASEMENTS IF NEEDED



UTILITY REFERENCE - POWELL CLINCH UTILITY DISTRICT - GAS
 (NO COST - MOVE PRIOR; NOT TO SCALE)

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

UTILITIES
 REFERENCE

\$\$\$\$SYTIME\$\$\$\$
 \$\$\$DGN\$PEC\$\$\$\$