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TENNESSEE DEPARTMENT OF TRANSPORTATION
7512 VOLKSWAGEN DRIVE

CHATTANOOGA, TN 37416
JOSEPH H. BURCHFIELD, P.E. NO. 122745

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

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN2
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
ESTIMATED ROADWAY QUANTITIES	2 – 2-1
ESTIMATED BOX BRIDGE QUANTITIES	2A
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B
GENERAL NOTES	2C
TABULATED QUANTITIES	2F
PRESENT LAYOUT(S)	5, 6, 7
PROPOSED LAYOUT(S)	5B
PROPOSED PROFILE(S)	5C, 6C
SIDE ROADS PROFILE(S)	7
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	21
ROADWAY CROSS SECTIONS	26, 35-39, 43-45, 47, 48
SIDE ROAD CROSS SECTIONS	52, 53, 57, 58, 62, 63

YEAR	PROJECT NO.	SHEET NO.
2025	71951-3510-04	ROADWAY-SIGN2

REV. 05-29-25
SHEET ADDED

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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TENNESSEE DEPARTMENT OF TRANSPORTATION
7512 VOLKSWAGEN DRIVE

CHATTANOOGA, TN 37416
JOSEPH H. BURCHFIELD, P.E. NO. 122745

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

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD ROADWAY DRAWINGS	1A1
STANDARD STRUCTURE & TRAFFIC DESIGN DRAWINGS	1A2
PROJECT COMMITMENTS	1B
ESTIMATED ROADWAY QUANTITIES	2 – 2-1
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B, 2B1, 2B2
GENERAL NOTES	2C, 2C1
SPECIAL NOTES	2D
ENVIRONMENTAL NOTES	2E
TABULATED QUANTITIES	2F, 2F1
RIGHT-OF-WAY NOTES, UTILITY NOTES AND UTILITY OWNERS	3
RIGHT-OF-WAY ACQUISITION TABLE AND PROPERTY MAP(S)	3A – 3C
PRESENT LAYOUT(S)	4 – 7
RIGHT OF WAY DETAILS	4A – 7A
PROPOSED LAYOUT(S)	4B – 7B
PROPOSED PROFILE(S)	4C – 6C
SIDE ROADS PROFILE(S)	8 – 11
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILE(S)	12 – 13
DRAINAGE MAP(S)	14 – 15
CULVERT SECTION(S)	16 – 19
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	20, 21, 22-24C
SIGN SCHEDULE SHEET(S)	25
ROADWAY CROSS SECTIONS	26 – 49
SIDE ROAD CROSS SECTIONS	50 – 70
TRAFFIC CONTROL PLANS	T1 – T8

YEAR	PROJECT NO.	SHEET NO.
2025	71951-3510-04	ROADWAY-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

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

TENN.	YEAR	SHEET NO.
	2025	1
FED. AID PROJ. NO.		
STATE PROJ. NO.	71951-3510-04	

PUTNAM COUNTY

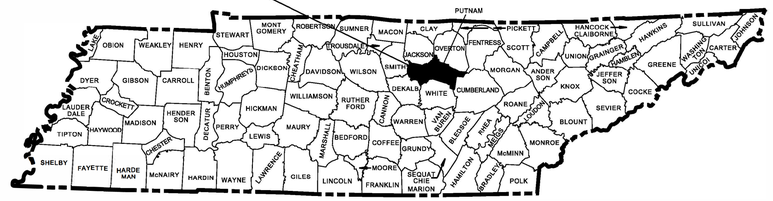
STATE INDUSTRIAL ACCESS SERVING PROJECT SIM
(PORTOBELLO AMERICA, INC)

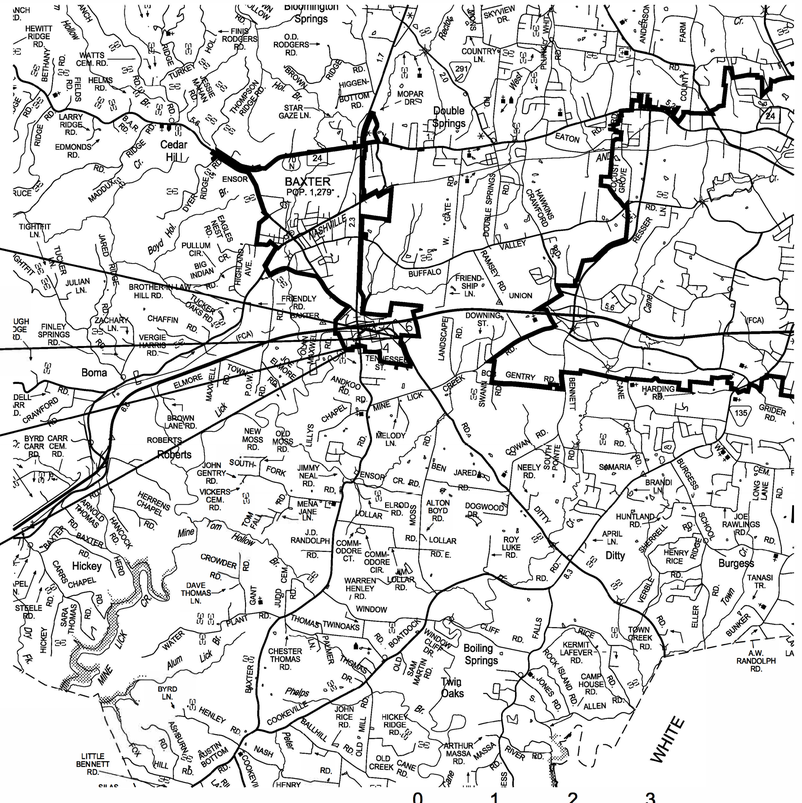
PLANS, SPECIFICATIONS AND ESTIMATE

GRADING, DRAINAGE, GUARDRAIL, WIDENING AND RESURFACING

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

PROJECT LOCATION
BRIDGE ID. # 71S43970003





SCALE: 1"= 5280'

NO EXCLUSIONS

ROAD TO BE CLOSED
DURING CONSTRUCTION

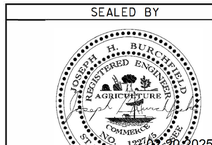
END PROJECT NO. 71951-2510-04 R.O.W.
STA. 37+43.95
N 656218.2994 E 2081116.3933

END PROJECT NO. 71951-3510-04 CONST.
STA. 38+14.49
N 656170.1254 E 2081160.1456

BEGIN PROJECT NO. 71951-3510-04 CONST.
STA. 5+10.55
N 655745.3463 E 2078467.6730

BEGIN PROJECT NO. 71951-2510-04 R.O.W.
STA. 5+72.97
N 655749.8244 E 2078529.9272

SEALED BY



APPROVED:
WILL REID, CHIEF ENGINEER

DATE:

APPROVED:
HOWARD H. ELEY, COMMISSIONER

SPECIAL NOTES

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

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

TDOT PROJECT MANAGER : JASON TAYS, P.E.
TDOT ROADWAY ENGINEER: JOSEPH BURCHFIELD, P.E.
DESIGNER : MONTY ROBINSON, P.E. CHECKED BY JOSEPH BURCHFIELD, P.E.
P.E. NO. 71951-1510-04 (DESIGN)
PIN NO. 128970.00

R.O.W. LENGTH	0.600 MILES
ROADWAY LENGTH	0.625 MILES
BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.006 MILES
BOX BRIDGE LENGTH	0.000 MILES ▲
PROJECT LENGTH	0.625 MILES

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

SURVEY 07-06-20	TRAFFIC DATA	
SURVEY UPDATED 07-07-21	ADT (2025)	3080
SURVEY UPDATED 12-11-24	ADT (2045)	4130
SURVEY_UPDATED 12-18-24	DHV (2045)	464
	D	55 - 45
	T (ADT)	3 %
	T (DHV)	2 %
	V	45 MPH

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:
DIVISION ADMINISTRATOR DATE

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ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN1-2
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD ROADWAY DRAWINGS	1A1
STANDARD STRUCTURE AND TRAFFIC DESIGN DRAWINGS	1A2
PROJECT COMMITMENTS	1B
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GENERAL NOTES	2C, 2C1
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RIGHT-OF-WAY NOTES, UTILITY NOTES, AND UTILITY OWNERS	3
RIGHT-OF-WAY ACQUISITION TABLE AND PROPERTY MAP(S)	3A – 3C
PRESENT LAYOUT(S)	4 – 7
RIGHT-OF-WAY DETAILS	4A – 7A
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PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILE(S)	12 – 13
DRAINAGE MAP(S)	14 – 15
CULVERT SECTION(S)	16 – 19
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	20, 21, 22-22C, 23-23D, 24-24C
SIGN SCHEDULE SHEET(S)	25
ROADWAY CROSS SECTIONS	26 – 49
SIDE ROAD CROSS SECTIONS	50 – 70
TRAFFIC CONTROL PLANS	T1 – T8
GEOTECHNICAL PLANS	G-1
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PLANS	S-1
UTILITIES PLANS	U1–1

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

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

RD-TP-1	09-26-16	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-3	03-01-23	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	10-01-24	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-8	02-20-20	STANDARD LEGEND FOR NATURAL STREAM DESIGN

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION

10-101.00 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
RD11-TS-1	06-28-19	DESIGN STANDARDS FOR LOW-VOLUME ROADS
RD11-TS-2		DESIGN STANDARDS FOR COLLECTORS, 2-LANE ROADS AND STREETS
RD11-TS-7B	07-17-20	DESIGN STANDARDS 2-LANE HIGHWAYS WITH CONTINUOUS 2-WAY LEFT-TURN LANE
RD11-LR-2		MINIMUM RUNOFF LENGTHS (LR) FOR RURAL HIGHWAYS
RD11-S-11		DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD11-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD11-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD11-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS

10-102.00 PIPE CULVERTS AND ENDWALLS

D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PE-18A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-18B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 18" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-24A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 24" PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-24B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 24" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-30A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 30" PIPE WITH STEEL PIPE GRATE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-30B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 30" PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-36A	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 36" PIPE WITH STEEL PIPE GRATE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-36B	06-28-19	TYPE "U" CROSS DRAIN ENDWALL FOR 36" PIPE, BILL OF STEEL AND PRECAST NOTES
D-NSD-30	05-01-20	SUBSTRATE RESTORATION
D-SEW-1A	07-07-23	TYPE "SAFETY" SIDE ENDWALL WITH STEEL PIPE GRATE, FOR 15" THRU 48" PIPES, 6:1 SLOPE

10-104.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES

S-F-1	03-01-23	HIGH VISIBILITY FENCE
RP-R-1A		STANDARD RAMP DETAILS FOR LOW VOLUME RURAL ROADWAYS

10-106.00 SAFETY DESIGN AND GUARDRAILS

S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
S-PL-1	03-01-23	SAFETY PLAN FOR BARRIER LENGTH OF NEED
S-PL-6	07-30-24	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-CC-1	01-09-24	CRASH CUSHION
S-GR31-1	06-15-21	GUARDRAIL DETAILS
S-GR31-1A	06-28-19	GUARDRAIL AND BLOCK-OUT DETAILS
S-GR31-1B		GUARDRAIL FASTENING HARDWARE
S-GRS-2	01-28-22	SPECIAL CASE GUARDRAIL ATTACHMENT TO CONCRETE DECKS
S-GR31-1C	07-07-23	GUARDRAIL GENERAL NOTES AND POST DETAILS
S-GRS-7	01-09-24	SHORT – RADIUS GUARDRAIL SYSTEM (SRGS)
S-GRS-7A	07-30-24	SHORT – RADIUS GUARDRAIL SYSTEM (SRGS) DETAILS
S-GRT-2P	10-16-20	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL
S-GRT-2R	06-28-19	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL (RETROFIT)
S-GRT-3	06-28-19	TYPE 21 GUARDRAIL END TERMINAL
S-GRA-3	01-09-24	TYPE 13 GUARDRAIL ANCHOR

10-107.00 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-M-16	07-30-24	RUMBLE STRIPE INSTALLATION LAYOUT
T-M-16A	02-03-20	RUMBLE STRIPE DETAILS FOR EDGE OF PAVEMENT AND CENTERLINE
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-PBR1	12-09-22	INTERCONNECTED PORTABLE BARRIER RAIL
T-WZ-PCB2	12-09-22	20 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB3	01-28-22	PORTABLE CONCRETE BARRIER RAIL DETAILS
T-WZ-PCB4	12-09-22	PORTABLE CONCRETE BARRIER RAIL ANCHOR PIN DETAILS

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	1A
PS&E	2025	71951-3510-04	1A

REV. 05-29-25
ROADWAY-SIGN2 ADDED TO INDEX.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

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STANDARD ROADWAY DRAWINGS (CONT.)

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	1A1
PS&E	2025	71951-3510-04	1A1

10-109.00 EROSION PREVENTION AND SEDIMENT CONTROL

EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3C	03-01-23	SILT FENCE WITH WIRE BACKING
EC-STR-30		IN-STREAM DIVERSION (WITHOUT TRAFFIC)
EC-STR-34	05-04-22	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-6	11-30-20	ROCK CHECK DAM
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-11	03-16-17	CULVERT PROTECTION TYPE 1
EC-STR-12	08-01-12	ROCK SEDIMENT DAM
EC-STR-21	05-04-22	PERMANENT RIPRAP BASIN ENERGY DISSIPATORS
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-31	05-04-22	TEMPORARY DIVERSION CHANNEL
EC-STR-37	06-10-14	SEDIMENT TUBE

10-109.00 NATURAL STREAM DESIGN

D-NSD-30	05-01-20	SUBSTRATE RESTORATION

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02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD
ROADWAY
DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	1A1
PS&E	2025	71951-3510-04	1A2

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-17	07-11-17	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-18	02-14-14	END OF ROADWAY, DEAD END SIGNS, AND METAL BARRICADES (TYPE III)
T-S-19	06-12-20	STANDARD STEEL SIGN SUPPORTS
T-S-20	07-11-17	SIGN DETAILS

STANDARD STRUCTURE DRAWINGS

LRFD BOX CULVERTS		
STD-17-1		INDEX OF DRAWINGS
STD-17-2		TERMINOLOGY
STD-17-3		GENERAL NOTES
STD-17-4		DESIGN SECTION LIMITS
STD-17-5		TYPICAL SECTION AND DETAILS
STD-17-6		TYPICAL ELEVATIONS
STD-17-8		EDGE BEAM DETAILS FOR FILLS GREATER THAN 3’ - 6”
STD-17-10		TYPICAL WINGWALL DETAILS AND NOTES
STD-17-12		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-13		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-15		WINGWALL & 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-17-26		EXTENSION DETAILS
STD-17-29		PRECAST BOX CULVERT DETAILS
STD-17-34		INTERNAL ENERGY DISSIPATOR FOR BOX AND PIPE CULVERTS
STD-17-51	05-01-14	BOX BRIDGE, 1 BARREL AT 6’, CLEAR HTS. 3’ - 6’, 0 - 60’ FILL
STD-17-116		SLAB BRIDGE, 1 BARREL AT 12’, CLEAR HTS. 4’ - 6’, 0 - 60’ FILL
STD-17-143		SLAB BRIDGE, 2 BARRELS AT 16’, CLEAR HTS. 9’ - 12’, 0 - 60’ FILL

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 127516
STATE OF TENNESSEE

02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD STRUCTURE AND TRAFFIC DESIGN DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	1B
P.I.H.	2024	71951-3510-04	1B
PS&E	2025	71951-3510-04	1B

REV. 3-30-23
PROJECT COMMITMENT UPDATED

128970.00 PROJECT COMMITMENTS			
COMMITMENT ID	SOURCE DIVISION	DESCRIPTION	STA./LOCATION
EDEC003	Environmental Division, Ecology	TDOT commits to a fish sweep prior to any work within STR-3 (Maxwell Branch). All species collected will be relocated upstream, preferably above a natural barrier.	Baxter Road over Maxwell Branch

SEALED BY

02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROJECT COMMITMENTS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	2
PS&E	2025	71951-3510-04	2

REV. 05-29-25
ITEMS 203-09.09 AND 208-01.05 REMOVED. ITEMS 201-01, 203-01, 203-02.01, 203-04, 203-06, 203-07, AND 203-20.01 ADDED. ITEMS 303-01.01, 415-01.01, AND 607-39.02 UPDATED. FOOTNOTES RENUMBERED.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 71951-3510-04
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
	202-01.13	REMOVAL OF PIPE (24", DITTY 20+45.00)	L.F.	45
	202-01.14	REMOVAL OF PIPE (24", DITTY 22+76.00)	L.F.	46
	202-01.15	REMOVAL OF PIPE (48", DITTY 25+93.00)	L.F.	53
	202-02.01	REMOVAL OF PIPE (12", BAXTER 101+40)	L.F.	33
	202-02.02	REMOVAL OF PIPE (12", BAXTER 102+00)	L.F.	27
	202-02.03	REMOVAL OF PIPE (18", BAXTER 106+00)	L.F.	30
	202-02.04	REMOVAL OF PIPE (12", DITTY 26+84)	L.F.	21
	202-02.06	REMOVAL OF PIPE (12", DITTY 30+52)	L.F.	20
	202-08.10	REMOVAL OF CURB (TRACT 14 DRIVEWAY)	L.F.	73
(1)(2)(3)(4)(5)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	68482
(6)	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	30600
(2)	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	3706
	203-06	WATER	M.G.	57
(2)	203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	486
(1)	203-20.01	CHANNEL SUBSTRATE	C.Y.	165
(1)	209-03.21	FILTER SOCK (12 INCH)	L.F.	300
(1)(7)	209-05	SEDIMENT REMOVAL	C.Y.	304
(1)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	8243
(1)	209-08.07	ROCK CHECK DAM PER	EACH	145
(1)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	41
(1)	209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	4
(1)	209-65.04	TEMPORARY IN-STREAM DIVERSION	L.F.	240
(2)(8)(9)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	13878
(10)(11)	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	2052
(1)(12)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	84
(2)	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	1899
(2)(13)	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	1559
(2)	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	26
(2)(14)	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	64
(2)(15)	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	10
(14)	407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	2800
(2)	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	205
(2)	411-01.10	ACS MIX(PG64-22) GRADING D	TON	1479
	411-12.03	SCORING FOR RUMBLE STRIPE (NON-CONTINUOUS) (8IN WIDTH)	L.M.	3
(2)	415-01.01	COLD PLANING BITUMINOUS PAVEMENT	TON	407
(2)(16)	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	50
(2)(16)	607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	54
(2)(16)	607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	112
(16)(17)	607-39.02	18" PIPE CULVERT (SIDE DRAIN)	L.F.	287
(16)(17)	607-39.03	24" PIPE CULVERT (SIDE DRAIN)	L.F.	47
	611-01.20	ADJUSTMENT OF EXISTING MANHOLE	EACH	1
(17)	611-07.31	18IN ENDWALL (SIDE DRAIN)	EACH	19
(17)	611-07.32	24IN ENDWALL (SIDE DRAIN)	EACH	4
(2)(16)	611-07.55	18IN ENDWALL (CROSS DRAIN) 4:1	EACH	2
(2)(16)	611-07.61	30IN ENDWALL (CROSS DRAIN) 4:1	EACH	2
(2)(16)	611-07.64	36IN ENDWALL (CROSS DRAIN) 4:1	EACH	2
	611-63.01	JUNCTION STRUCTURE, 48IN ROUND, > 4FT-8FT DEPTH	EACH	1
(17)	705-01.04	METAL BEAM GUARD FENCE	L.F.	50
(17)	705-04.10	EARTH PAD FOR GUARD RAIL END TREATMENT	EACH	10
(17)	705-06.01	W BEAM GR (TYPE 2) MASH TL3	L.F.	778
(17)	705-06.02	W BEAM GR (TYPE 2) MASH TL3 (LONG POST)	L.F.	667
(17)	705-06.10	GR TERMINALTRAILING END (TYPE 13) MASH TL3	EACH	2
(17)	705-06.15	SHORT-RADIUS GUARDRAIL SYSTEM (16FT RADIUS) MASH TL-3	EACH	1
(17)	705-06.19	SHORT-RADIUS GUARDRAIL SYSTEM (48FT RADIUS) MASH TL-3	EACH	2
(17)	705-06.30	GR TERMINAL (ENERGY ABSORBING) MASH TL2	EACH	10
	706-01	GUARDRAIL REMOVED	L.F.	225

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 71951-3510-04
(1)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	2585
1)(11)(18)(19)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	180
(1)(12)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	315
(20)	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	1317
	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	350
	712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	4
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	128
	712-04.50	BARRIER RAIL DELINEATOR	EACH	6
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	28
	712-06	SIGNS (CONSTRUCTION)	S.F.	867
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	168
	712-09.08	REMOVABLE PAVEMENT MARKING (6" line)	L.F.	185
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	501
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	27
(21)	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
(14)	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	3
	713-16.07	END OF ROADWAY SIGN AND SUPPORT	EACH	3
	716-01.21	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	140
	716-01.22	SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR)	EACH	25
	716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	20
	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	73
	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	6
	716-02.08	PLASTIC PAVEMENT MARKING (8" DOTTED LINE)	L.F.	327
	716-02.12	PLASTIC PAVEMENT MARKING (8IN LINE)	L.M.	0.1
(22)(23)	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	3.6
(24)	716-13.02	SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE)	L.M.	4
	717-01	MOBILIZATION	LS	1
(11)(25)	740-06.01	GEOMEMBRANE	S.Y.	50
1)(26)(27)(28)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	1502
(6)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	22500
(1)	740-11.03	TEMPORARY SEDIMENT TUBE 18IN	L.F.	2389
	801-01	SEEDING (WITH MULCH)	UNIT	8
	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	88
(29)	801-01.37	NATVE SEED MX ENCAPULATION & CLEAR ZONE	UNIT	1
(29)	801-01.38	NATVE SEED MX FINAL STABLIZATN OF SLOPES	UNIT	2
(30)	801-03	WATER (SEEDING & SODDING)	M.G.	249
	802-02.30	CUTTINGS: SALIX NIGRA (18IN-24IN LENGTH)	EACH	7
	802-12.01	ACER NEGUNDO (BOX ELDER SEEDLNG B.R.)	EACH	7
	802-12.02	ACER RUBRUM (RED MAPLE SEEDLNG B.R.)	EACH	7
	802-12.26	PLATANUS OCCIDENTALIS (SYCAMORE SEEDLNG B.R.)	EACH	8
	802-12.37	QUERCUS PALUSTRIS (PIN OAK SEEDLNG B.R.)	EACH	7
	802-12.44	ULMUS AMERICANA (AMERICAN ELM SEEDLNG B.R.)	EACH	7
	803-01	SODDING (NEW SOD)	S.Y.	24203
(1)(31)	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	50

(SEE SHEET 2-1 FOR FOOTNOTES)

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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FOOTNOTES

(1) SEE SECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE AND REPLACEMENT. ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.
(2) SEE SHEET 2F FOR TABULATED QUANTITIES.
(3) INCLUDES 499 CY FOR CULVERT PROTECTION (TYPE 1) AND 46 CY FOR TEMPORARY CONST. EXIT.
(4) INCLUDES 430 C.Y. FOR SCARIFIED DRAINAGE CONTOUR AT WWC-2/EPH-1.
(5) INCLUDES 10400 CY.Y TO BE USED AS INDICATED IN THE GEOTECHNICAL PLANS.
(6) THIS ITEM TO BE USED BETWEEN STA. 8+50 TO 19+50, STA. 25+00 TI 27+00, AND BAXTER ROAD STA. 112+00 TO 113+00 OR OTHERWISE AS DIRECTED BY ENGINEER FOR THE STABILIZATION OF SUBGRADE. SEE SHEET G2.
(7) INCLUDES 69 C.Y. FOR SEDIMENT FILTER BAGS.
(8) INCLUDES 45 TONS TO BE USED FOR TRAFFIC CONTROL.
(9) INCLUDES 369 TONS TO BE USED FOR DRIVEWAYS.
(10) SEE SHEET G2 FOR DETAILS ON USE BETWEEN STA. 26+50 TO STA. 27+00.
(11) INCLUDES 2032 TONS FOR BOX BRIDGE AND 20 TONS TO BE USED AS INDICATED IN THE GEOTECHNICAL PLANS.
(12) INCLUDES 38 TONS TO BE USED FOR CULVERT PROTECTION (TYPE 1) AND 46 TONS TO BE USED FOR SEDIMENT FILTER BAGS.
(13) INCLUDES 12 TONS TO BE USED FOR TRAFFIC CONTROL.
(14) ITEM TO BE USED AS DIRECTED BY THE ENGINEER.
(15) INCLUDES 0.1 TONS TO BE USED FOR TRAFFIC CONTROL.
(16) BEDDING MATERIAL SHALL BE INCLUDED IN THE COST OF THE PIPE CULVERT.
(17) SEE SHEET 2F1 FOR TABULATED QUANTITIES.
(18) INCLUDES 100 TONS FOR TEMPORARY CONSTRUCTION EXITS.
(19) INCLUDES 80 TONS TO BE USED AS INDICATED IN THE GEOTECHNICAL PLANS
(20) INCLUDES 1285 TONS FOR WINGWALL STABILIZATION
(21) INCLUDES RIGHT TURN SIGN (STA 55+50), SPEED LIMIT SIGN (STA 52+50), AND YIELD SIGN (STA 50+50) ON EXISTING DITTY ROAD. 3 STOP SIGNS (STA 111+65, 112+70, 113+55), 3 INTERSTATE ROUTE SIGNS (STA 112+90, 112+90, 109+00), 2 TWO-DIRECTION LARGE ARROW SIGNS (STA 111+25, 112+50), 2 INTERSECTION WARNING SIGNS (STA 112+50, 108+00), NOTICE SIGN (STA 114+25), SPEED LIMIT SIGN (STA 110+00) ON BAXTER ROAD.
(22) TO BE USED FOR TEMPORARY PAVEMENT MARKINGS.
(23) INCLUDES 2.6 L.M. TO BE USED AS GUIDE FOR RUMBLE
(24) TO BE USED FOR PERMANENT PAVEMENT MARKINGS.
(25) GEOMEMBRANE MATERIAL AND INSTALLATION SHALL MEET THE REQUIREMENTS SPECIFIED IN SPECIAL PROVISION 740D.
(26) INCLUDES 172 S.Y. FOR TEMPORARY CONSTRUCTION EXITS.
(27) INCLUDES 998 S.Y. FOR CULVERT PROTECTION (TYPE 1).
(28) INCLUDES 332 S.Y. FOR SEDIMENT FILTER BAGS.
(29) PERMANENT VEGETATIVE STABILIZATION USING NATIVE OR NATURALIZED PERENNIAL VEGETATION MUST BE APPLIED TO ALL DISTURBED RIPARIAN AREAS (I.E., STREAMS, EPHEMERALS, WET WEATHER CONVEYANCES), INCLUDING ADJACENT BUFFER ZONES WITHIN 60 FT OF THE EDGE OF WATER, AUTHORIZED FOR TEMPORARY AND PERMANENT IMPACTS. THE APPROPRIATE SEED MIXTURE FOR THE REGION AND SITE CONDITIONS SHALL BE SELECTED FROM THE TNIPC (https://www.tnipc.org/landscaping/) GUIDANCE. PERMANENT VEGETATIVE STABILIZATION USING PLANTINGS ACCORDING TO TO TDEC EPSC HANDBOOK (https://tnepsc.org/handbook.asp) TABLE 7.9-1 (PREFERRED SEED MIXES USING NATIVES OR NATURALIZED PLANTS AND PLANTING DATES) MAY BE APPLIED BEYOND RIPARIAN AREAS. PERMANENT VEGETATIVE STABILIZATION USING PLANTINGS ACCORDING TO TDEC EPSC HANDBOOK TABLE 7.9-2 (ALLOWABLE SEED MIXES AND PLANTING DATES) SHOULD BE AVOIDED.
(30) INCLUDES 7 M.G. FOR EROSION PREVENTION AND SEDIMENT CONTROL
(31) SHALL NOT CONTAIN MONOFILAMENT NETTING.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	2
PS&E	2025	71951-3510-04	2-1

REV. 05-29-25
UPDATED FOOTNOTES.

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05-29-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	2A
PS&E	2025	71951-3510-04	2A

REV. 05-29-25
MOVED ITEM 303-01.01 TO BE COMBINED ON ESTIMATED ROADWAY QUANTITIES.

ESTIMATED BOX BRIDGE QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 71951-3510-04
(1)	202-01.01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
	204-08	FOUNDATION FILL MATERIAL	C.Y.	65
	203-08	CHANNEL EXCAVATION (UNCLASSIFIED)	C.Y.	83
(2)(3)	604-02.01	CLASS A CONCRETE (BOX BRIDGES & CURB)	C.Y.	183
(4)	604-02.02	STEEL BAR REINFORCEMENT (BOX BRIDGES)	LB.	31404
	604-02.03	EPOXY COATED REINFORCING STEEL	LB.	1589

FOOTNOTES

(1) FOR REMOVAL OF EXISTING WINGWALLS ON BAXTER RD.

(2) INCLUDES 60.3 C.Y. FOR THE MAIN STRUCTURE AND 12.9 C.Y. FOR WING WALLS FOR CONSTRUCTION OF BOX BRIDGE AT STA. 22+82.63 ON DITTY RD, 33.4 C.Y. FOR MAIN STRUCTURE AND 4.7 C.Y. FOR WING WALLS FOR CONSTRUCTION OF BOX BRIDGE AT STA. 25+93.05 ON DITTY RD, 29 C.Y. FOR EXTENSION OF SLAB BRIDGE AND 42 C.Y. FOR WINGWALLS FOR EXIST STRUCTURE ON BAXTER RD AT STA 112+83.50, AND 1 C.Y. FOR 10 LF OF CURB TRANSITION FOR PRIVATE ENTRANCE APRON AT STA. 30+04 ON DITTY RD.

(3) ALL SHORING NECESSARY FOR THE BOX & SLAB CULVERTS ARE INCIDENTAL TO OTHER ITEMS BID.

(4) INCLUDES 12282 LBS FOR THE MAIN STRUCTURE AND 1504 LBS FOR WING WALLS FOR CONSTRUCTION OF BOX BRIDGE AT STA. 22+82.63 ON DITTY RD, 7473 LBS FOR MAIN STRUCTURE AND 710 LBS FOR WING WALLS FOR CONSTRUCTION OF BOX BRIDGE AT STA. 25+93.05 ON DITTY RD, 11164 LBS FOR EXTENSION OF SLAB BRIDGE AND 5744 LBS FOR WINGWALLS FOR EXIST. SLAB STRUCTURE ON BAXTER RD AT STA 112+83.50.
ITEMS BID.

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05-29-2025

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DEPARTMENT OF TRANSPORTATION

ESTIMATED BOX BRIDGE QUANTITIES

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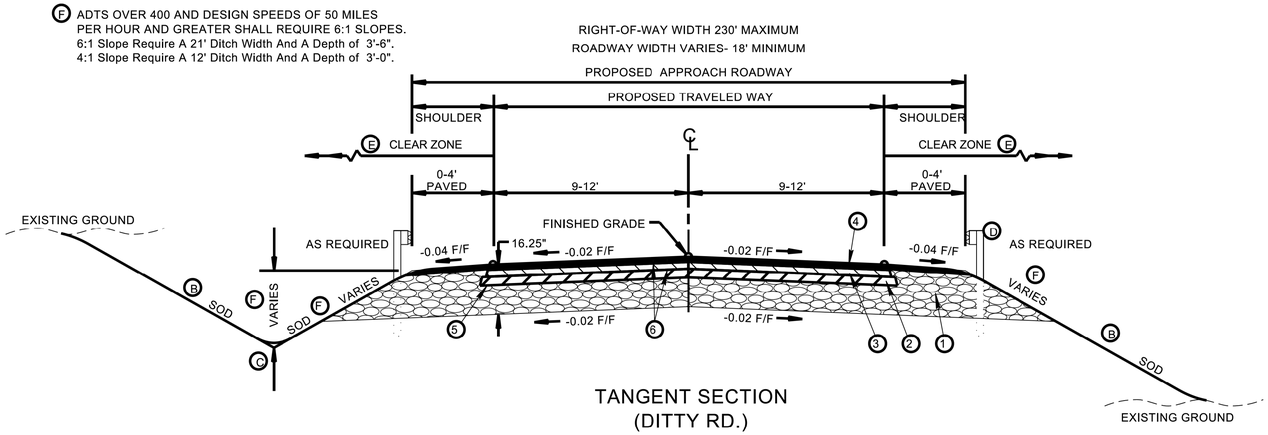
(F) ADTS OVER 400 AND DESIGN SPEEDS OF 50 MILES PER HOUR AND GREATER SHALL REQUIRE 6:1 SLOPES.
6:1 Slope Require A 21' Ditch Width And A Depth of 3'-6".
4:1 Slope Require A 12' Ditch Width And A Depth of 3'-0".



TANGENT SECTION (DITTY RD.)

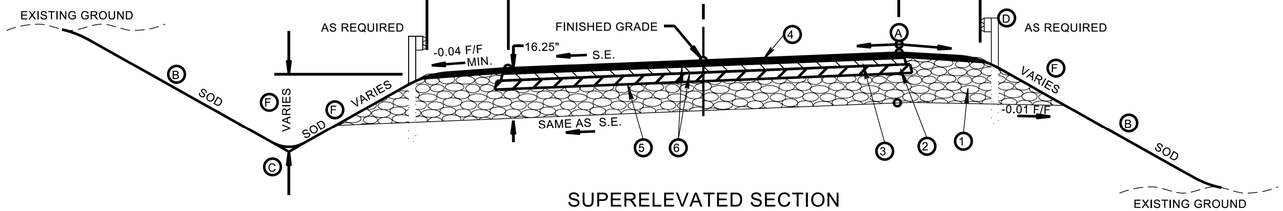
(BASED ON STD. DWG. RD11-TS-2)
FROM STA. 5+00.00 TO STA. 6+48.31
FROM STA. 10+49.28 TO STA. 19+05.99
FROM STA. 20+92.58 TO STA. 24+60.24
FROM STA. 32+49.79 TO STA. 34+57.33
FROM STA. 37+02.08 TO STA. 37+50.00

LANE TRANSITION DETAIL

12'	34+14.50
9'	37+50.00

SHOULDER TRANSITION DETAIL

4'	34+14.50
0'	37+50.00



SUPERELEVATED SECTION (DITTY RD.)

(BASED ON STD. DWG. RD11-TS-2)
FROM STA. 6+48.31 TO STA. 10+49.28
FROM STA. 19+05.99 TO STA. 20+92.58
FROM STA. 24+60.24 TO STA. 32+49.79
FROM STA. 34+57.33 TO STA. 37+02.08

PROPOSED PAVEMENT SCHEDULE

(1) MINERAL AGGREGATE BASE 10.00" THICK 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"	(2) ASPHALT CONCRETE MIX (PG64-22), GRADING "A" 3.00" THICK (APPROX. 345 LB./S.Y.) 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "A"
(3) ASPHALT CONCRETE MIX (PG64-22), GRADING "BM-2" 2.00" THICK (APPROX. 226 LB./S.Y.) 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "BM-2"	(4) ACS MIX (PG64-22), GRADING "D" 1.25" THICK (APPROX. 132.5 LB./S.Y.) 411-01.10 ACS MIX (PG64-22) GRADING "D"
(5) PRIME COAT 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (0.35 GAL/S.Y.) 402-02 AGGREGATE FOR COVER MATERIAL (12 LBS/S.Y.)	(6) TACK COAT 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) AT 0.05-0.10 GALLONS/S.Y.

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

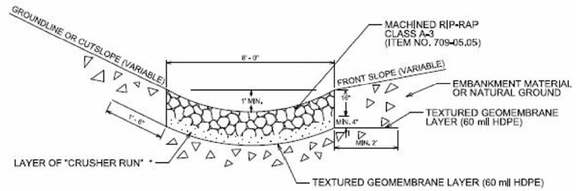
(B) SEE STANDARD DRAWINGS RD11-S-11 FOR FILL AND CUT SLOPE TABLES, ROUNDING ON TOP OF CUT SLOPES AND TOE OF FILL SLOPES, SPECIAL ROCK TREATMENT AND SUB GRADE ROUNDING IF APPLICABLE.

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

(D) SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.

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

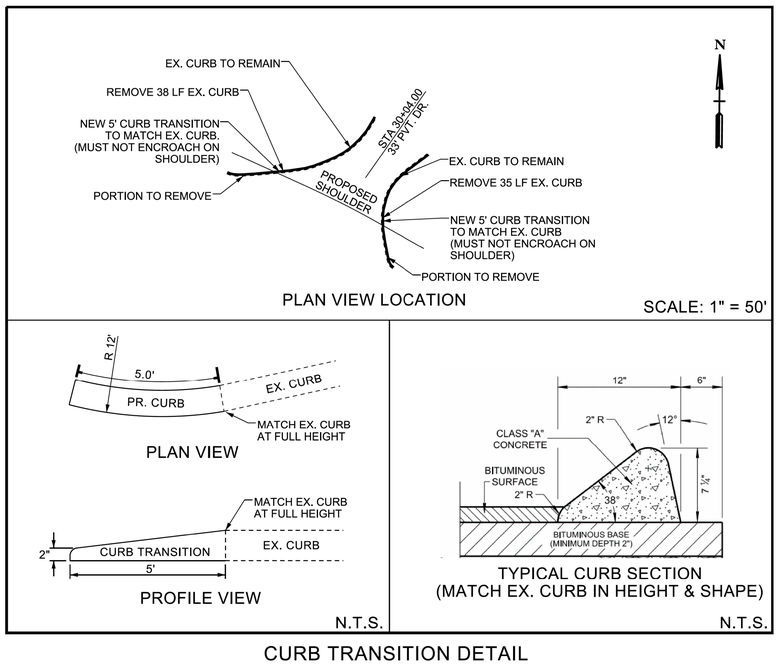
GEOMEMBRANE LINED RIP-RAP DITCH



DETAIL A
* GRANULAR BACKFILL (ROADWAY) - ITEM NO. 303-01.01

RIP-RAP LINED DITCH SECTION (PROPOSED DITTY ROAD)

(BASED ON GEOTECH REPORT)
FROM STA. 26+50.00 TO STA. 27+00.00



CURB TRANSITION DETAIL (PVT. DRIVE. FOR TRACT 14, DITTY RD STA 30+04)

FROM STA. 29+57.15 TO STA. 29+61.74
FROM STA. 30+29.34 TO STA. 30+32.34

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	2B
P.I.H.	2024	71951-3510-04	2B
PS&E	2025	71951-3510-04	2B

REV. 03-06-23
UPDATED TYPICAL SECTION DIMENSIONS AND SHOULDER AND LANE TRANSITION DETAILS

R.O.W. REV. 02-05-25
ADDED RIP-RAP LINED DITCH SECTION.
ADDED CURB TRANSITION DETAIL FOR DRIVEWAY APRON AT DITTY RD. STA 30+04.

REV. 05-29-25
UPDATED STATION RANGE IN RIP-RAP LINED DITCH DETAIL.

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TYPICAL SECTIONS AND PAVEMENT SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	2B1
P.I.H.	2024	71951-3510-04	2B1
PS&E	2025	71951-3510-04	2B1

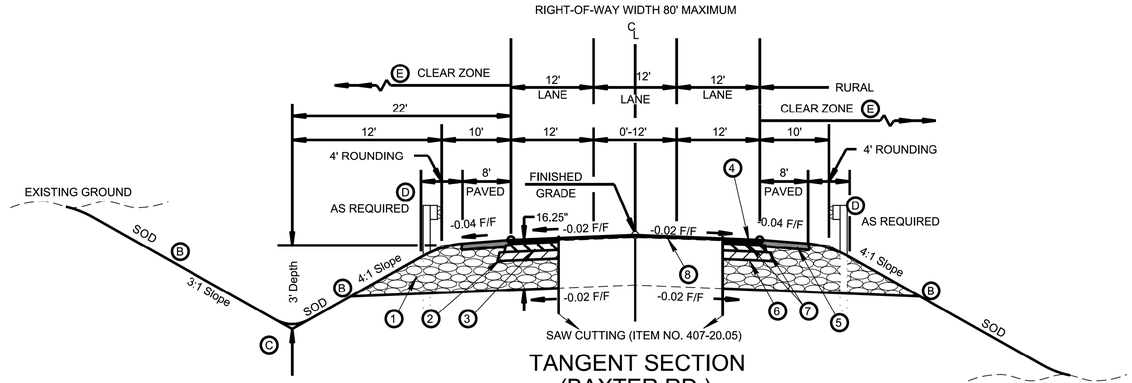
REV. 03-06-23
SPECIAL DITCH DETAIL ADDED, UPDATED SLOPE LINES AND LANE AND SHOULDER TRANSITION DETAILS

TRANSITION DETAIL

10'	101+00.00
12'	104+60.00
12'	113+53.93
10'	114+93.81

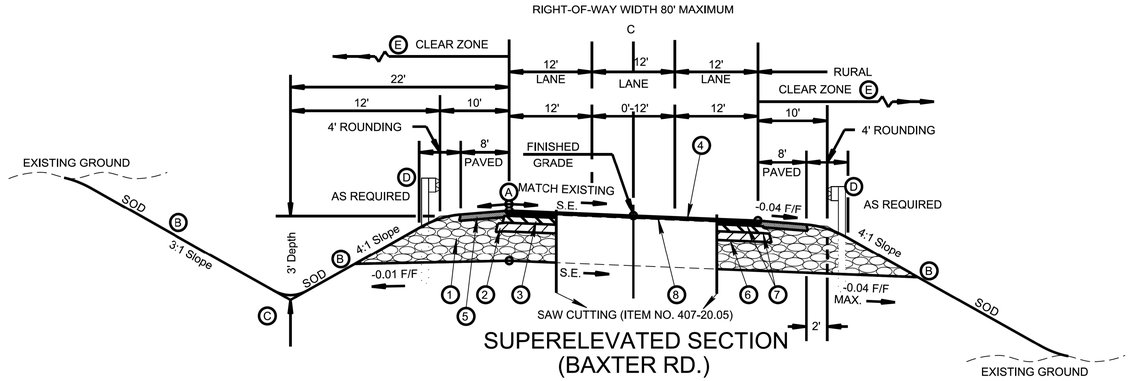
SHOULDER TRANSITION DETAIL

0'	101+00.00
10'	104+60.00
10'	111+64.55
4'	114+97.76



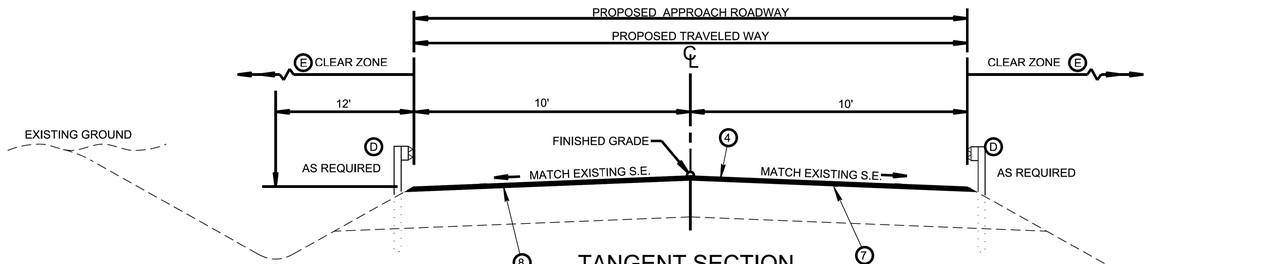
TANGENT SECTION
(BAXTER RD.)

(BASED ON STD. DWG. RD11-TS-7B)
FROM STA. 101+00.00 TO STA. 104+77.50
FROM STA. 109+47.51 TO STA. 110+09.83
FROM STA. 112+40.33 TO STA. 115+12.53



SUPERELEVATED SECTION
(BAXTER RD.)

(BASED ON STD. DWG. RD11-TS-7B)
FROM STA. 104+77.50 TO STA. 109+47.51
FROM STA. 110+09.83 TO STA. 112+40.33



TANGENT SECTION
(BAXTER RD.)

FROM STA. 100+00.00 TO STA. 101+00.00

EXISTING GROUND

PROPOSED PAVEMENT SCHEDULE

(1) MINERAL AGGREGATE BASE 10.00" THICK 303-01. MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"	(2) ASPHALT CONCRETE MIX (PG64-22), GRADING "A" 3.00" THICK (APPROX. 345 LB./S.Y.) 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "A"
(3) ASPHALT CONCRETE MIX (PG64-22), GRADING "BM-2" 2.00" THICK (APPROX. 226 LB./S.Y.) 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "BM-2"	(4) ACS MIX (PG64-22), GRADING "D" 1.25" THICK (APPROX. 132.5 LB./S.Y.) 411-01.10 ACS MIX (PG64-22) GRADING "D"
(5) ACS MIX (PG64-22), GRADING "E" 1.50" THICK (APPROX. 154.5 LB./S.Y.) 411-01.07 ACS MIX (PG64-22) GRADING "E"	(6) PRIME COAT 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (0.30-0.35 GAL/S.Y.) 402-02. AGGREGATE FOR COVER MATERIAL (8-12 LBS/S.Y.)
(7) TACK COAT 403-01. SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD	(8) COLD PLANING 1.25" THICK (APPROX. 131.25 LB./S.Y.) 415-01.01 COLD PLANING BITUMINOUS PAVEMENT, TON

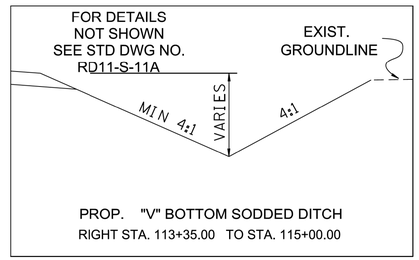
(A) THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%.

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

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

(D) SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.

DETAIL 1



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

(D) SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.

(E) SITE-SPECIFIC CONDITIONS AND ENGINEERING JUDGMENT OF THE DESIGNER SHOULD BE THE TWO PRIMARY DETERMINANTS OF THE APPROPRIATE CLEAR ZONE WIDTH FOR LOW-VOLUME LOCAL ROADS. AT LOCATIONS WHERE A CLEAR ZONE OF 6 FEET OR MORE IN WIDTH CAN BE PROVIDED AT LOW COST AND WITH MINIMUM SOCIAL/ENVIRONMENTAL IMPACT, SUCH CLEAR ZONE SHOULD BE CONSIDERED. WHERE PROVISION OF A CLEAR ZONE IS NOT PRACTICAL, NONE IS REQUIRED.

(F) MAXIMUM 2(H):1(V) OR AS RECOMMENDED BY THE GEOTECHNICAL OFFICE. WHEN A 2(H):1(V) SLOPE IS USED, AND THE FILL HEIGHT EXCEEDS SIX FEET, GUARDRAIL SHOULD BE CONSIDERED. WHERE RIGHT-OF-WAY IS NOT AN ISSUE, STANDARD DRAWING RD11-S-11 (CASE II) SLOPES MAY BE USED.

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DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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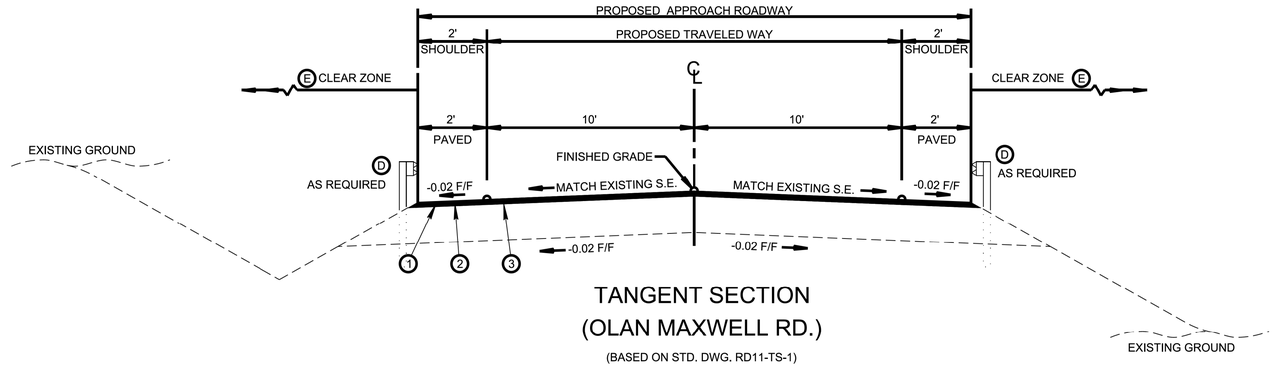
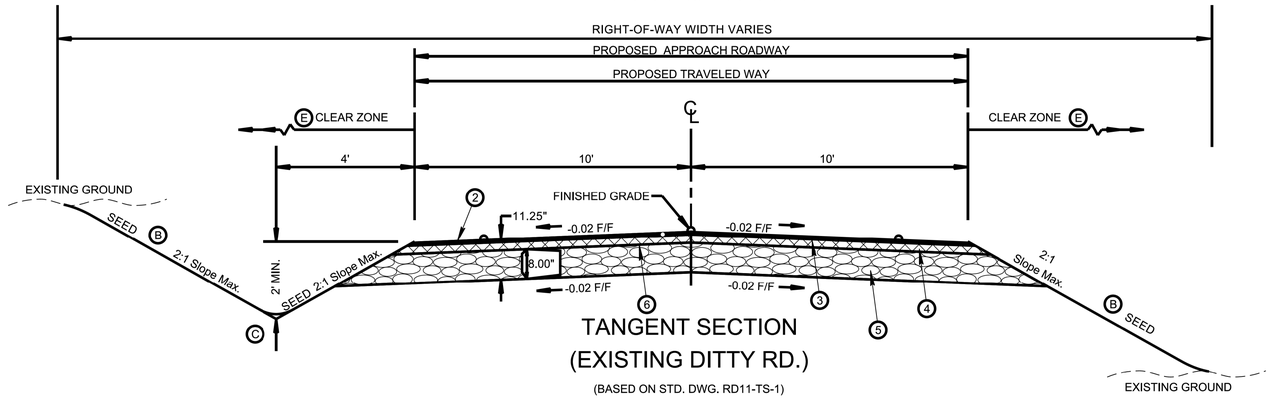
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	2B2
P.I.H.	2024	71951-3510-04	2B2
PS&E	2025	71951-3510-04	2B2

REV. 03-06-23
UPDATED EXISTING DITTY ROAD NAME



TANGENT SECTION
(OLAN MAXWELL RD.)

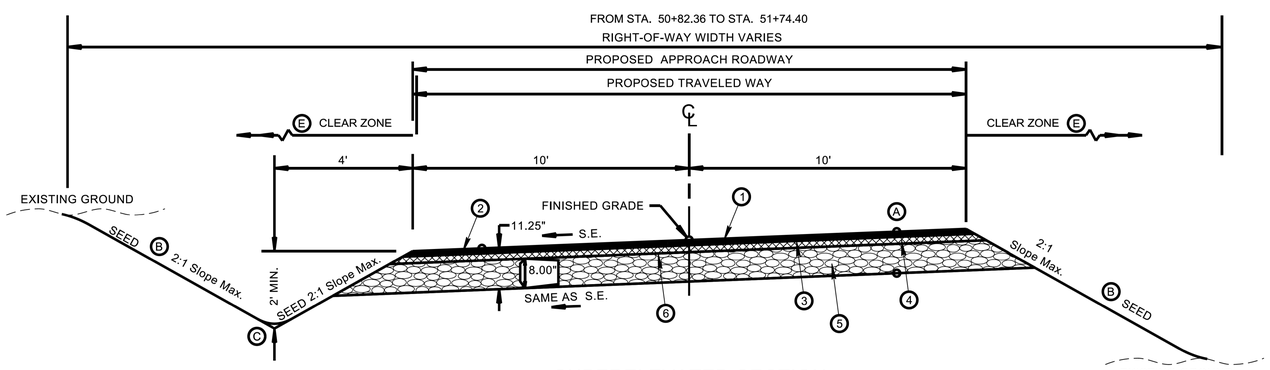
(BASED ON STD. DWG. RD11-TS-1)
FROM STA. 202+68.12 TO STA. 205+11.21



TANGENT SECTION
(EXISTING DITTY RD.)

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

FROM STA. 50+82.36 TO STA. 51+74.40



SUPERELEVATED SECTION
(EXISTING DITTY RD.)

(BASED ON STD. DWG. RD11-TS-1)
FROM STA. 50+00.00 TO STA. 50+82.36

Ⓐ THE SLOPE OF THE SHOULDER AND THE ROADWAY PAVEMENT SHALL BE THE SAME IN ALL SITUATIONS.

Ⓑ MAXIMUM 2(H):1(V) OR AS RECOMMENDED BY THE GEOTECHNICAL OFFICE. WHEN A 2(H):1(V) SLOPE IS USED, AND THE FILL HEIGHT EXCEEDS SIX FEET, GUARDRAIL SHOULD BE CONSIDERED. WHERE RIGHT-OF-WAY IS NOT AN ISSUE, STANDARD DRAWING RD11-S-11 (CASE II) SLOPES MAY BE USED.

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

Ⓓ SEE STANDARD DRAWING S-PL-6 FOR TYPICAL GUARDRAIL PLACEMENT.

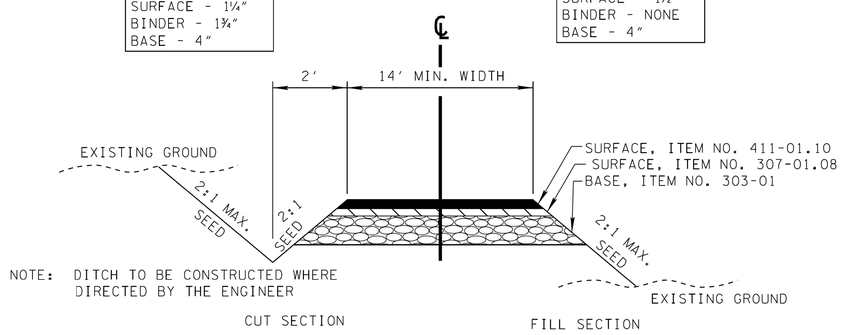
Ⓔ SITE-SPECIFIC CONDITIONS AND ENGINEERING JUDGMENT OF THE DESIGNER SHOULD BE THE TWO PRIMARY DETERMINANTS OF THE APPROPRIATE CLEAR ZONE WIDTH FOR LOW-VOLUME LOCAL ROADS. AT LOCATIONS WHERE A CLEAR ZONE OF 6 FEET OR MORE IN WIDTH CAN BE PROVIDED AT LOW COST AND WITH MINIMUM SOCIAL/ENVIRONMENTAL IMPACT, SUCH CLEAR ZONE SHOULD BE CONSIDERED. WHERE PROVISION OF A CLEAR ZONE IS NOT PRACTICAL, NONE IS REQUIRED.

BUSINESS

SURFACE - 1¼"
BINDER - 1¾"
BASE - 4"

FIELD OR RESIDENTIAL

SURFACE - 1½"
BINDER - NONE
BASE - 4"



NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER

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

PROPOSED PAVEMENT SCHEDULE

(1) COLD PLANING 1.25" THICK (APPROX. 131.25 LB./S.Y.) 415-01.01 COLD PLANING BITUMINOUS PAVEMENT, TON	(2) ACS MIX (PG64-22), GRADING "D" 1.25" THICK (APPROX. 132.5 LB./S.Y.) 411-01.10 ACS MIX (PG64-22) GRADING "D"
(3) TACK COAT 403-01. SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD	(4) ASPHALT CONCRETE MIX (PG64-22), GRADING "BM-2" 2.00" THICK (APPROX. 226 LB./S.Y.) 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "BM-2"
(5) MINERAL AGGREGATE 8" THICK 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"	(6) PRIME COAT 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (0.30-0.35 GAL/S.Y.) 402-02. AGGREGATE FOR COVER MATERIAL (8-12 LBS/S.Y.)

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 127[illegible]
STATE OF TENNESSEE
02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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GENERAL NOTES

GRADING

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

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

SEEDING AND SODDING

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

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

GUARDRAIL

(2) THE PROPOSED GUARDRAIL, INCLUDING ANY ANCHOR SYSTEM, SHALL BE INSTALLED QUICKLY TO MINIMIZE TRAFFIC EXPOSURE TO ANY HAZARD. NO PAYMENT WILL BE MADE FOR A SECTION OF PROPOSED GUARDRAIL, INCLUDING ANCHORS, UNTIL IT IS COMPLETE IN PLACE.

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

DRAINAGE

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

(2) EXCAVATION FOR PIPE CULVERTS WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PIPE.

(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 WILL NOT RESULT IN AN INCREASE OR DECREASE IN THE AMOUNT OF PAYMENT THAT WILL BE MADE DUE TO SUCH CHANGE.

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

MISCELLANEOUS

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

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

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

ROAD CLOSURE

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

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

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

FINAL PAVEMENT MARKING

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

a. SHOULDERS SHALL BE BROOMED AND DE-GRASSED AND MATERIAL SHALL BE PICKED UP AND REMOVED. THIS WILL BE PAID FOR UNDER ITEM NO. 208-01.05.

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

(11) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" SPRAY THERMOPLASTIC (60 mil) 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. 716-13.02, SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

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

SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

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

PAVEMENT

PAVING

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

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

RESURFACING

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

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

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

(7) ON CURB AND GUTTER SECTIONS, PUBLIC ROAD INTERSECTIONS SHALL BE RESURFACED TO THE END OF RADIUS. A SATISFACTORY TRANSITION FROM THE NEW PAVEMENT TO THE EXISTING GRADE OF THE INTERSECTING PUBLIC ROAD SHALL BE PROVIDED.

(8) ON URBAN TYPICAL SECTIONS, (CURB AND GUTTER), RESIDENTIAL DRIVEWAYS AND BUSINESS ENTRANCES SHALL HAVE A MINIMUM WIDTH OF MATERIAL NOT LESS THAN ONE FOOT USED IN THE TRANSITION TO FEATHER THE PAVEMENT EDGE.

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

GRADED SOLID ROCK

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

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	2C
PS&E	2025	71951-3510-04	2C

REV. 05-29-25
REMOVED NOTE 3 FROM "GENERAL NOTES - PAVEMENT - PAVING."

SEALED BY

JOSEPH H. BURCHFIELD REGISTERED ENGINEER STATE OF TENNESSEE 05-29-2025

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	2C1
PS&E	2025	71951-3510-04	2C1

GENERAL NOTES (CONTINUED)

SIGNING

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

(3) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE LENGTHS WERE COMPUTED FROM THE CROSS-SECTIONS CONTAINED IN THE CONSTRUCTION PLANS. IN THE EVENT THE SUPPORT LENGTHS ARE 2 FEET SHORTER OR LONGER THAN SHOWN ON THE PLANS, THE ENGINEER SHALL VERIFY THE SUPPORT TYPE WITH THE TRAFFIC OPERATIONS DIVISION, TELEPHONE NO. (615)-741-0802. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ORDERING MATERIAL. THE TOP OF THE SIGN FOOTINGS SHALL BE PLACED LEVEL WITH THE GROUND LINE.

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

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

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

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

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

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

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

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

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

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

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

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

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

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

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

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

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

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

SEALED BY

JOSEPH B. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 129970
STATE OF TENNESSEE

02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	2D
PS&E	2025	71951-3510-04	2D

SPECIAL NOTES

GRADING

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

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

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

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

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

DEMOLITION

DEMOLITION, REPAIR, OR REHABILITATION OF BRIDGES

(1) THE CONTRACTOR SHALL VERIFY THAT AN ASBESTOS SURVEY HAS BEEN COMPLETED PRIOR TO ANY DEMOLITION, REPAIR OR REHABILITATIONS ACTIVITIES (NOT INCLUDING ASPHALT MILLING OR OVERLAY).

(2) ASBESTOS-CONTAINING MATERIALS (ACM) ABATEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COMPLETED PRIOR TO ANY DEMOLITION, REPAIR OR REHABILITATION OF BRIDGE(S). ABATEMENT SHOULD BE ACCOMPLISHED PER SP202ACM SPECIAL PROVISION REGARDING REMOVAL OF ASBESTOS-CONTAINING MATERIALS. STATE OF TENNESSEE ASBESTOS ACCREDITATION REQUIREMENTS (TCA 1200-01-20) MANDATE THAT ACM ABATEMENT WORK BE PERFORMED BY AN ACCREDITED FIRM (CONTRACTOR) USING ACCREDITED ABATEMENT WORKERS AND SUPERVISORS.

(3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A NOTICE TO THE TDEC, DIVISION OF AIR POLLUTION CONTROL TEN (10) DAYS IN ADVANCE OF ANY ACM ABATEMENT, DEMOLITION, OR MAJOR REPAIR INVOLVING THE REMOVAL/REPLACEMENT OF A STRUCTURAL COMPONENT.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	2E
P.I.H.	2024	71951-3510-04	2E
PS&E	2025	71951-3510-04	2E

ENVIRONMENTAL NOTES

ENVIRONMENTAL GENERAL NOTES

NATURAL RESOURCES

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

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

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

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

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

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

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

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

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

SPECIES

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

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

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

PERMITS, PLANS & RECORDS

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

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

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

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

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

SUPPORT ACTIVITIES

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

STREAMS, WETLANDS & BUFFER ZONES

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

ENVIRONMENTAL

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

ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL

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

ECOLOGY

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

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

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

PROJECT COMMITMENTS

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

SCOPE OF WORK

(6) NEW ALIGNMENT AND WIDENING OF DITTY ROAD. WIDENING AND RESURFACING OF BAXTER ROAD. EXTENDING BOX CULVERT ON BAXTER ROAD AND REPLACING CULVERTS ON BAXTER ROAD AND DITTY ROAD.

SEALED BY

JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE No. 122106 STATE OF TENNESSEE

02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	2F
P.I.H.	2024	71951-3510-04	2F
PS&E	2025	71951-3510-04	2F

REV. 03-06-23
24" CROSS DRAIN AND 24" ENDWALLS REMOVED FROM TAB BLOCK AND DRIVEWAY PAVEMENT QUANTITIES ADDED, ESTIMATED GRADING QUANTITIES AND TOPSOIL TABS UPDATED

REV. 07-07-23
PAVEMENT QUANTITIES AND ESTIMATED GRADING QUANTITIES TABS UPDATED

REV. 03-04-24
PAVEMENT QUANTITIES AND ESTIMATED GRADING QUANTITIES TABS UPDATED

R.O.W. REV. 02-05-25
PAVEMENT QUANTITIES AND ESTIMATED GRADING QUANTITIES TABS UPDATED.

REV. 05-29-25
ESTIMATED GRADING QUANTITIES TAB UPDATED.

CROSS DRAIN TABULATION

STATION	SKEW	RCP CLASS III OR CMP 14 GA OR PVC OR SRTRP OR HDPE OR PP FILL HEIGHT ≤ 16 FT. (L.F.)			END TREATMENT			
					INLET		OUTLET	
		18"	30"	36"	TYPE	DRAWING NO.	TYPE	DRAWING NO.
DITTY RD 9+63.63	87º			112	U	D-PE-36A/D-PE-36B	U	D-PE-36A/D-PE-36B
DITTY RD 20+38.16	80º		54		U	D-PE-30A/D-PE-30B	U	D-PE-30A/D-PE-30B
BAXTER RD 101+40.37	82º	50			U	D-PE-18A/D-PE-18B	U	D-PE-18A/D-PE-18B
TOTALS		50	54	112				

Pipe Tabulation For Local Roadways

CROSS DRAIN \ MEDIAN DRAIN ENDWALLS

LOCATION	STATION	OFFSET (FT.)	SKEW	CODE	TYPE	STANDARD DRAWING NO.	ENDWALLS 18 IN. 4:1 611-07.55 (EACH)	30" IN. 4:1 611-07.61 (EACH)	36" IN. 4:1 611-07.64 (EACH)
DITTY RD	9+63.63	56	87º	EW-1+2	U	D-PE-36A/D-PE-36B			2
DITTY RD	20+38.16	31	80º	EW-3+4	U	D-PE-30A/D-PE-30B		2	
BAXTER RD	101+40.37	28	82º	EW-7+8	U	D-PE-18A/D-PE-18B	2		
TOTALS							2	2	2

TOPSOIL

IF EXISTING TOPSOIL IS SUITABLE FOR REUSE

PROPOSED SLOPE AREA S.F.	EXISTING TOPSOIL (EXC.)	EXISTING TOPSOIL (EMB.)	EXISTING TOPSOIL (TOTAL) C.Y.	REQUIRED TOPSOIL C.Y.	PLACING TOPSOIL 203-04 C.Y.	FURNISHED TOPSOIL 203-07 C.Y.	EXCESS TOPSOIL C.Y.
226364	2582	1124	3706	4192	3706	486	0

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY) EXC.	UNADJUSTED VOLUMES (CY) EMB.	ADJUSTED VOLUMES (CY) EXC.
MAINLINE	44473	11798	37803
SIDE ROADS	6106	1604	5191
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES	1820	432	1547
INDEPENDENT DITCHES	0	0	
TEMPORARY CONSTRUCTION EXITS	46	0	40
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)	956	0	813
TOPSOIL (EMB.)	1124		
TOPSOIL (EXC.)	2582		
TOPSOIL TOTALS (SEE TOPSOIL TABLE)			

ROCK (C.Y.) EXC.	ROCK (C.Y.) EMB.	TOTALS (C.Y.) EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	57107	13834	57107	53401	45391

BALANCE SUMMARY

SHRINK = 15 % SWELL = 15 %

EXC.		EMB.
45391	VS.	-13834
AVAILABLE	=	31557
WASTE MATERIAL	=	36291

PAVEMENT QUANTITIES

LOCATION (ROADWAY)	TYPE - GRADE - PAY ITEM (TON) MINERAL AGG. D 303-01 (TON)	BITUMINOUS PLANT MIX BASE (HOT MIX) A 307-01.01 (TON)	B-M2 307-01.08 (TON)	PRIME COAT 402-01 (TON)	402-02 (TON)	TACK COAT 403-01 (TON)	ASPHALTIC CONCRETE SURFACE (HOT MIX) E 411-01.07 (TON)	D 411-01.10 (TON)	COLD PLANING 415-01.01 (TON)
DITTY RD	9213	1525	999	17	44	6		781	9
BAXTER RD	4061	374	490	6	11	2	205	508	246
OLAN MAXWELL RD						1		41	36
DRIVEWAYS	369		13	3	8	0		123	106
DITTY RD TIE IN	190		44					26	10
DITTY RD. TIE IN TEMP. PVMT.	45		12			0			
TOTALS	13878	1899	1559	26	64	10	205	1479	407

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JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE STATE OF TENNESSEE 06-29-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	2F1
P.I.H.	2024	71951-3510-04	2F1
PS&E	2025	71951-3510-04	2F1

REV. 03-06-23
ADDITIONAL SIDE DRAIN, SIDE DRAIN ENDWALLS, AND GUARDRAIL ADDED TO TAB BLOCK

REV. 03-30-23
SIDE DRAIN TAB UPDATED

REV. 07-07-23
ADDITIONAL SIDE DRAIN AND SIDE DRAIN ENDWALL ADDED TO TAB BLOCK

REV. 03-04-24
SIDE DRAIN AND SIDE DRAIN ENDWALL TAB BLOCKS UPDATED

R.O.W. REV. 02-05-25
SIDE DRAIN, SIDE DRAIN ENDWALLS, AND PROPOSED GUARDRAIL TABS UPDATED.

SIDE DRAIN TABULATION

STATION	LOCATION		DESCRIPTION	SURFACE WIDTH (FT.)	SKEW	RCP CLASS III OR CMP 16 GA OR PVC OR SRTRP OR HDPE OR PP FILL HEIGHT ≤ 10 FT. (L.F.)		END TREATMENT			
								INLET		OUTLET	
	LT.	RT.				18"	24"	TYPE	DRAWING NO.	TYPE	DRAWING NO.
DITTY RD 6+50.00		X	PRIVATE DRIVE	14	90º	21		S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
DITTY RD 12+50.00		X	FIELD ENTRANCE	14	90º	22		S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
DITTY RD 14+47.64	X		FIELD ENTRANCE	36	90º	43		S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
DITTY RD 24+13.14		X	PRIVATE DRIVE	14	90º	20		S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
DITTY RD 27+00.00		X	PRIVATE DRIVE	14	90º		20	S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
DITTY RD 30+04.00	X		PRIVATE DRIVE	14	90º	21		S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
DITTY RD 30+52.00		X	PRIVATE DRIVE	14	90º	21		S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
BAXTER RD 102+00.00		X	PRIVATE DRIVE	14	88º	21		S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
BAXTER RD 106+00.00		X	FIELD ENTRANCE	20	90º		27	S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
BAXTER RD 108+00.00	X		FIELD ENTRANCE	24	90º	31		S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
BAXTER RD 110+00.00		X	FIELD ENTRANCE	24	90º	30		S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
BAXTER RD 110+64.24	X		FIELD ENTRANCE	14	87º	20		S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
BAXTER RD 113+89.00		X	BUSINESS ENTRANCE	30	84º	37		S.E.W.	D-SEW-1A	S.E.W.	D-SEW-1A
TOTALS						287	47	Pipe Tabulation For Private Drives, Business & Field Entrances			

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE		STATIONS		GUARDRAIL					TERMINAL ANCHORS		
						METAL BEAM GUARD FENCE 705-01.04 (L.F.)	W BEAM GR (TYPE 2) MASH TL3 705-06.01 (L.F.)	W BEAM GR LONG POST (TYPE 2) MASH TL3 705-06.02 (L.F.)	SHORT RADIUS GR MASH TL-3 16' 705-06.15 (EACH)	SHORT RADIUS GR MASH TL-3 48' 705-06.19 (EACH)	EARTH PAD 705-04.10 (EACH)	TYPE 13 MASH TL3 (9.375') 705-06.10 (EACH)	TYPE 21 MASH TL2 (21.875') 705-06.30 (EACH)
		LT	RT	FROM	TO								
5B	DITTY RD.		X	21+62.13	23+55.88	18.8	175.0				2		2
5B, 6B	DITTY RD.	X		21+97.91	27+21.70	18.8		505.3			2		2
5B, 6B	DITTY RD.		X	24+87.90	26+61.25	12.5		161.0			2		2
7B	BAXTER RD.		X	111+12.59	113+72.09		259.5		1		1	1	1
7B	BAXTER RD.	X		111+45.02	113+21.53		176.8			1		1	
7B	BAXTER RD.	X		114+39.31	114+81.95		42.8			1	1		1
7B	OLAN MAXWELL RD.		X	203+96.14	204+41.92		46.0				1		1
7B	OLAN MAXWELL RD.	X		203+54.91	204+32.19		77.5				1		1
TOTALS						50	778	667	1	2	10	2	10

SIDE DRAIN ENDWALLS

LOCATION	DRIVE OR ENTRANCE STATION	OFFSET (FT.)	TYPE	STANDARD DRAWING NO.	SKEW	SAFETY ENDWALLS	
						18 IN. 6:1 611-07.31 (EACH)	24 IN. 6:1 611-07.32 (EACH)
DITTY ROAD	6+50.00	28	PRIVATE DRIVE	D-SEW-1A	90º	2	
DITTY ROAD	12+50.00	35	FIELD ENTRANCE	D-SEW-1A	90º	2	
DITTY ROAD	14+47.64	28	FIELD ENTRANCE	D-SEW-1A	90º	2	
DITTY ROAD	24+13.14	30	PRIVATE DRIVE	D-SEW-1A	90º	2	
DITTY ROAD	27+00.00	31	PRIVATE DRIVE	D-SEW-1A	90º		2
DITTY ROAD	30+04.00	28	PRIVATE DRIVE	D-SEW-1A	90º	1	
DITTY ROAD	30+52.00	28	PRIVATE DRIVE	D-SEW-1A	90º	2	
BAXTER ROAD	102+00.00	27	PRIVATE DRIVE	D-SEW-1A	88º	2	
BAXTER ROAD	106+00.00	40	FIELD ENTRANCE	D-SEW-1A	90º		2
BAXTER ROAD	108+00.00	40	FIELD ENTRANCE	D-SEW-1A	90º	2	
BAXTER ROAD	110+00.00	40	FIELD ENTRANCE	D-SEW-1A	90º	2	
BAXTER ROAD	110+64.24	41	FIELD ENTRANCE	D-SEW-1A	87º	2	
BAXTER ROAD	113+89.00	34	BUSINESS ENTRANCE	D-SEW-1A	84º	2	
TOTALS						19	4

SEALED BY

JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 122107 STATE OF TENNESSEE

02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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RIGHT-OF-WAY

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

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

(3) 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.

(4) 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.

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

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

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

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

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

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

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

UTILITY OWNERS

CATV / FIBER:

CHARTER COMMUNICATIONS

851 S. WILLOW AVENUE, SUITE 206

COOKEVILLE, TN 38501

CONTACT: MR. MORGAN WILCHER

OFFICE PHONE:

CELL PHONE: 931 239 9222

Email: MORGAN.WILCHER@CHARTER.COM

SEWER:

BAXTER UTILITY DEPT.

P.O. BOX 283 BAXTER, TN 38544

410 ELM ST., SUITE B BAXTER, TN 38544

CONTACT: SUPERINTENDENT JOHN RAMSEY

OFFICE PHONE: 931 858 4142

CELL PHONE: ___ ___ ____

Email: JRAMSEY1101@GMAIL.COM

ELECTRIC:

UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORP.

P.O. BOX 159 CARTHAGE, TN 370300159

907 MAIN ST. NORTH CARTHAGE, TN 37030

CONTACT: MR. WAYNE ANDERSON

OFFICE PHONE: 615 281 8801

CELL PHONE: ___ ___ ____

Email: WANDERSON@UCEMC.COM

GAS:

MIDDLE TENNESSEE NATURAL GAS

P.O. BOX 670 SMITHVILLE, TN 37166

1030 WEST BROAD ST. SMITHVILLE, TN 37166

CONTACT: MR. MATT STENNETT

OFFICE PHONE: 931 754 3515

CELL PHONE: 931 239 9111

Email: MSTENNETT@MTNG.COM

TELEPHONE:

TWIN LAKES

P.O. BOX 67 GAINSBORO, TN 38562

200 TELEPHONE LN. GAINSBORO, TN 38562

CONTACT: MR. JAMES DOBBS

OFFICE PHONE: 931 268 2151

CELL PHONE: 931 397 9015

Email: JDOBBS@TWINLAKES.NET

WATER:

BAXTER UTILITY DEPT.

P.O. BOX 283 BAXTER, TN 38544

410 ELM ST., SUITE B BAXTER, TN 38544

CONTACT: SUPERINTENDENT JOHN RAMSEY

OFFICE PHONE: 931 858 4142

CELL PHONE: ___ ___ ____

Email: JRAMSEY1101@GMAIL.COM

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	3
P.I.H.	2024	71951-3510-04	3
PS&E	2025	71951-3510-04	3

R.O.W. REV. 02-05-25
UTILITY OWNERS UPDATED.

SEALED BY

JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE 127 NO. COMMISSION STATE OF TENNESSEE

02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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

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R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (ACRES)			
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT	SLOPE	CONSTRUCTION ①	AIR RIGHTS
				BOOK	PAGE												
~~1~~	~~Taubert Albert Doyle Etux Ruth~~	~~063~~	~~138.02~~	~~419~~	~~239~~		~~0.540~~	~~0.540~~					~~0.540~~				
2	James F Maxwell and Wife Glenna M	063	138.04	419	563		0.560	0.560		2954 S.F.	2954 S.F.		0.492			1839 S.F.	
3	David L Goodson, Wanda J Goodson	063	135.02	RB1112	442	1.990		1.990	1534 S.F.		1534 S.F.	1.955					
4	James F Maxwell and Wife Glenna M	063	138.03	424	191	0.290	26.930	27.220	0.290	0.783	1.073		26.147			1361 S.F.	
5	GSG Holdings Group,LLC.	063	135.04	RB885	700	10.340		10.340	0.334		0.334	10.006					
6	Brown Investment Properties, LLC, a Tennessee Limited Liability Company	063	135.03	RB1448	83	2.616	4.164	6.780	1.001	0.612	1.613	1.615	3.552			0.102	
7	Donny Meadows,Douglas L. Standifer Trust and Herb Baugh	063	135.06	RB885 RB1199	142 20	4.530		4.530	0.260		0.260	4.270				1692 S.F.	
8	Donny Meadows,Douglas L. Standifer Trust and Herb Baugh	063	135.00	RB885 RB1199	142 20	11.570	1.510	13.080	1.150	0.708	1.858	10.420	0.802			2819 S.F.	
9	Shree Sai, LLC	063	135.05	RB1152	599	3.540		3.540	0.239		0.239	3.301				1213 S.F.	
10	Jackie E Garcia and Francisco S Garcia	063	129.02	RB1000	312	5.090		5.090				5.090				1151 S.F.	
11	Inderjit Kaur Heer	063	129.01	RB1351	154		1.250	1.250					1.250			720 S.F.	
12	Ruth Winfree and Cynthia Downs	063	137.00	RB1072	188	6.220		6.220	0.115		0.115	6.105			512 S.F.	1616 S.F.	
13	Ruth Winfree and Cynthia Downs	063	137.00	RB1072	188	1.900	83.500	85.400	0.656	1.466	2.122	1.244	82.034			0.116	
14	Industrial Dvelopment BRD City of Cookeville	064	048.02	RB1135	618	34.190		34.190	0.627		0.627	33.563				805 S.F.	
~~15~~	~~Shane Smith and April Patterson~~	~~064~~	~~048.03~~	~~RB901~~	~~314~~	~~0.150~~		~~0.150~~				~~0.150~~					
~~16~~	~~Industrial Development Board, City of Cookeville~~	~~064~~	~~048.00~~	~~RB1135~~	~~618~~	~~55.540~~		~~55.540~~				~~55.540~~					
ACQUISITION TOTALS (ACRES)										**8.346**					**512 S.F.**	**0.521**	

1. FOR CONSTRUCTION WORK ZONE

DISTURBED AREA

IN BETWEEN SLOPE LINES	10.441	(AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	2.985	(AC)
TOTAL DISTURBED AREA	13.426	(AC)
TOTAL PROJECT AREA	14.847	(AC)

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	3A
P.I.H.	2024	71951-3510-04	3A
PS&E	2025	71951-3510-04	3A

REV. 07-13-22
TRACT 7, 8, & 11 PROPERTY OWNERS, BOOK AND PAGE UPDATED

REV. 09-09-22
UPDATED TOTAL AREA, AREA TO BE ACQUIRED, AND EASEMENTS FOR TRACTS 12,13, AND 14

REV. 09-22-22
UPDATED TOTAL AREA, AREA TO BE ACQUIRED, AND AREA REMAINING FOR TRACTS 4,6, 8, AND 13

REV. 03-06-23
UPDATED AREA TO BE ACQUIRED, AREA REMAINING, AND EASEMENTS FOR TRACT 4. UPDATED AREA TO ACQUIRED AND AREA REMAINING FOR TRACT 13. UPDATED EASEMENTS FOR TRACTS 6, 11, AND 12. UPDATED DISTURBED AREA TABLE.
TRACT 6 PROPERTY OWNER, DEED BOOK, AND PAGE UPDATED

REV. 04-06-23
UPDATED AREATO BE ACQUIRED LEFT, TOTAL AREA TO BE ACQUIRED, AND ARE REMAINING LEFT FOR TRACT 4

REV. 07-07-23
UPDATED CONSTRUCTION EASEMENT FOR TRACT 8

REV. 03-04-24
UPDATED CONSTRUCTION EASEMENT FOR TRACT 7

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY
ACQUISITION
TABLE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	3B
P.I.H.	2024	71951-3510-04	3B
PS&E	2025	71951-3510-04	3B

REV. 03-24-22
UPDATED STREAM 3 NAME
TO MAXWELL BRANCH

REV. 09-09-22
UPDATED EXISTING ROW LINES, PROPOSED ROW LINES AND LABELS, AND EASEMENTS FOR TRACTS 12, 13, AND 14

REV. 03-06-23
DRIVEWAYS ADDED TO DITTY ROAD FOR TRACTS 4 AND 6, ADJUSTED BUSINESS ENTRANCE ON BAXTER ROAD FOR TRACT 11, AND SLOPE LINES, WWC-1/EPH-1
CHANGED TO WWC-1 EXISTING
DITTY ROAD NAME CHANGED

REV. 03-30-23
TRACT 6 FIELD ENTRANCE AT 106+00
UPDATED FROM 14 FT. TO 20 FT.

REV. 07-07-23
UPDATED SLOPE LINES AND CONSTRUCTION EASEMENT FOR TRACT 8

REV. 03-04-24
CONSTRUCTION EASEMENT ADDED TO TRACT 7 AND DRIVEWAY SLOPE LINES ADJUSTED ON TRACT 8

200

205

LIMITS OF CONSTRUCTION
BAXTER STA. 115+30.80
N 656790.8220
E 2078337.1700

LIMITS OF CONSTRUCTION
OLAN MAXWELL STA. 202+68.12
N 656634.3283
E 20778112.9866

BAXTER STA. 113+72.78 =
MAX STA. 205+11.21
N 656633.9375
E 2078356.0800

BEGIN PROJ. NO. 71951-2510-04
STA. 5+72.97 ROW.
N 655749.8244
E 2078529.9272

BAXTER STA. 104+77.50 =
DITTY STA. 5+00.00
N 655744.5890
E 2078457.1453

BEGIN PROJ. NO. 71951-3510-04
STA. 5+10.55 CONST.
N 655745.3463
E 2078467.6730

LIMITS OF CONSTRUCTION
BAXTER STA. 100+00.00
N 655268.0260
E 2078487.0460

115
110
105
100
15
10

S 89^ 58' 43" E
OLAN MAXWELL ROAD
N 5^ 52' 23" W
BAXTER ROAD
N 6^ 47' 34" W
N 7^ 05' 52" W
N 3^ 36' 58" W
N 46^ 44' 52" E
85^ 53' 08" E

PRESENT R.O.W.
CONST. EASEMENT
PROPOSED R.O.W.
CUT
FILL
STR-1
STR-2
STR-3
STR-4
MAXWELL BRANCH
EX. DITTY ROAD
DITTY ROAD
HWL-1
HWC-1
MATCH LINE STA. 18+00 SEE SHT. NO. 3C

7
8
9
10
11
6
5
4
3
2
1

N

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 129970
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA.5+00 TO STA.18+00

SCALE: 1"=100'

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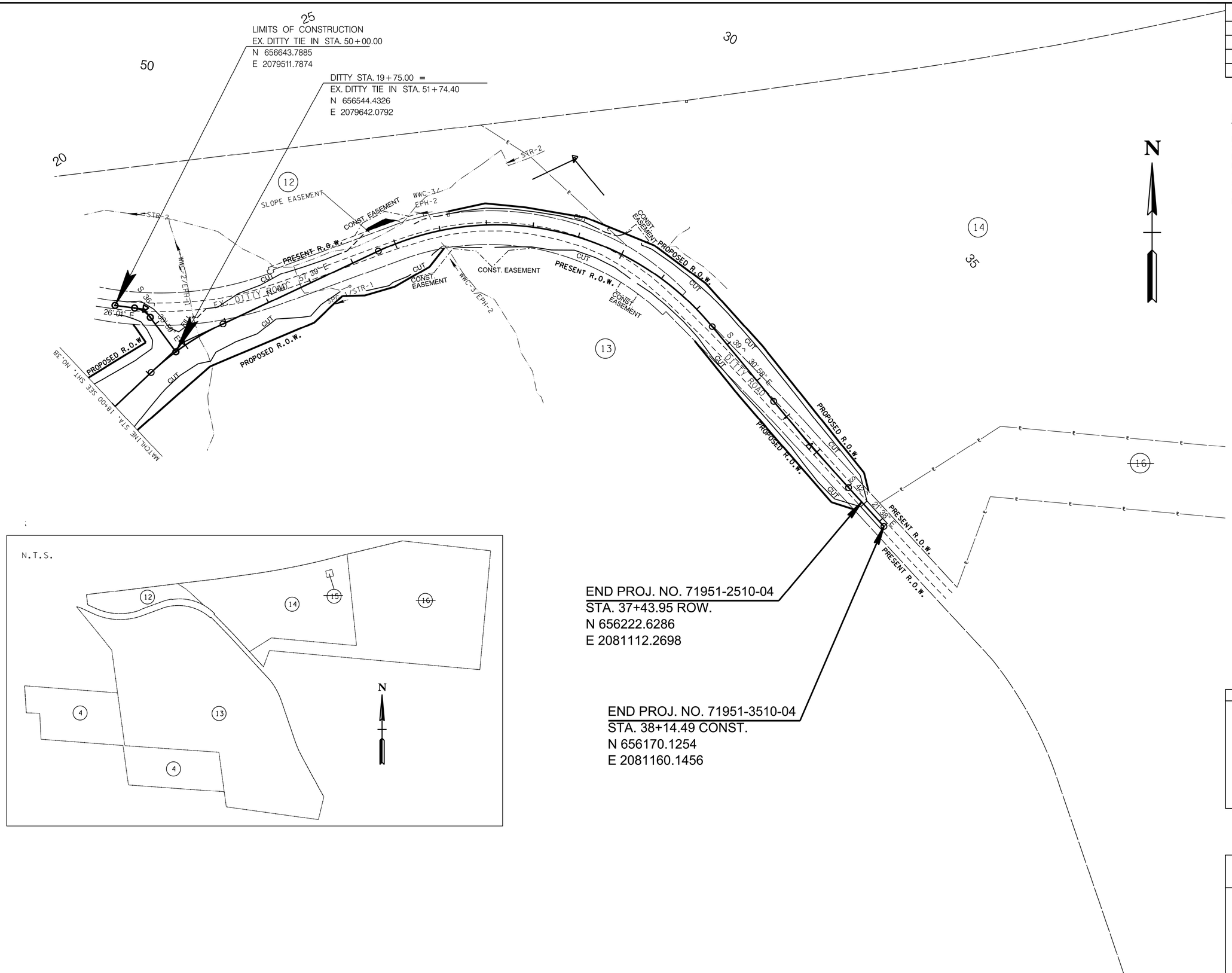
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	3C
P.I.H.	2024	71951-3510-04	3C
PS&E	2025	71951-3510-04	3C

REV. 09-09-22
UPDATED EXISTING ROW LINES, PROPOSED ROW LINES AND LABELS, AND EASEMENTS FOR TRACTS 12, 13, AND 14

REV. 03-06-23
SLOPE LINES, ROW LINES, AND EASEMENT LINES ADJUSTED FOR TRACTS 12 AND 13, WWC-2/EPH-2 AND WWC-3/EPH-3 CHANGED TO WWC-2/EPH-1 AND WWC-3/EPH-2, EXISTING DITTY ROAD NAME CHANGED



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JOSEPH H. BURGFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 127670
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA.18+00 TO STA.38+14.49

SCALE: 1"=100'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	4
P.I.H.	2024	71951-3510-04	4
PS&E	2025	71951-3510-04	4

REV. 07-13-22
TRACT 7&8 PROPERTY OWNERS UPDATED. CITY/COUNTY JURISDICTION LINE ADDED

REV. 03-06-23
DRIVEWAYS ADDED TO DITTY ROAD FOR TRACTS 4 AND 6. SLOPE LINES AND EASEMENT LINES ADJUSTED, WWC-1/EPH-1 CHANGED TO WWC-1. TRACT 6 PROPERTY OWNER UPDATED

REV. 03-30-23
TRACT 6 FIELD ENTRANCE AT 106+00 UPDATED FROM 14 FT. TO 20 FT.

REV. 03-04-24
FIELD ENTRANCE AND CONSTRUCTION EASEMENT ADDED TO TRACT 7

R.O.W REV. 02-05-25
ADDED LEGEND FOR TEMPORARY CONSTRUCTION EASEMENT.
ADDED LOW HANGING OVERHEAD TELEPHONE WIRE AT DITTY ROAD STA 5+23.85 WITH ELEVATION LABEL.

⑨
SHREE SAI, LLC

PT 109+47.51

MATCHLINE BAXTER RD. STA. 109+00 SEE SHT. NO.7

CURVE B1
PI 107+12.62
N 655,979.2442
E 2,078,442.4225
~ 4^ 21' 18" (LT)
D 0^ 55' 36"
R 6,183.60
L 470.01
T 235.12
DESIGN SPEED 45 MPH

⑧
DONNY MEADOWS, DOUG STANDIFER, AND HERB BAUGH

10

PT 10+49.28

MATCHLINE STA. 13+00 SEE SHT. NO.5

CONST. EASEMENT

BEGIN PROJ. NO. 71951-2510-04
STA. 5+72.97 ROW.
N 655749.8244
E 2078529.9272

N=655013.9868
E=2078416.7543
EL.1019.28

PROPOSED R.O.W.

BAXTER ROAD

PC 6+48.31

DITTY ROAD

⑦
DONNY MEADOWS, DOUGLAS L. STANDIFER TRUST, AND HERB BAUGH

EXISTING 29.5' OF 18" CMP TO BE REMOVED

BAXTER STA. 104+77.50 =
DITTY STA. 5+00.00
N 655744.5890
E 2078457.1453

105

PC 104+77.50

N 85^ 53' 08" W

EL=1056.12
SDF100

BEGIN PROJ. NO. 71951-3510-04
STA. 5+10.55 CONST.
N 655745.3463
E 2078467.6730

⑥
BROWN INVESTMENT PROPERTIES, LLC, A TENNESSEE LIMITED LIABILITY COMPANY

N

CURVE DC1
PI 8+56.97
N 655,770.2009
E 2,078,813.1982
~ 39^ 08' 16" (LT)
D 9^ 45' 39"
R 587.00
L 400.97
T 208.66
SE 8.000 FT/FT
DESIGN SPEED 45 MPH
TRANS. LENGTH 225 FT

⑤
GSG HOLDINGS GROUP, LLC

LIMITS OF CONSTRUCTION
BAXTER STA. 100+00.00
N 655268.0260
E 2078487.0460
(SEE PROFILE ON SHEET 8)

⑤
DAVID L. AND WANDA J. GOODSON

⑤
JAMES F. MAXWELL ETUX GLENNA M. MAXWELL

⑤
TAUBERT ALBERT DOYLE ETUX RUTH

EXISTING 26.5' OF 12" RCP TO BE REMOVED
INV. IN-1027.28

EXISTING 32' OF 12" RCP TO BE REMOVED

BAXTER RD.

100

00+00 100 00

TEMPORARY CONSTRUCTION EASEMENT

CONTROL POINTS						
Point	Feature	North	East	Elevation	Station	Offset
S11	XCP	656013.99	2078416.75	1019.28	107+49.76	17.47 LT
S12	XCP	656585.27	2078206.00	979.82	113+42.20	154.78 LT
S13	XCP	656609.55	2080778.45	1021.61	0+00.00	Off Chain
S14	XCP	656292.88	2081077.99	1037.64	0+00.00	Off Chain

SEALED BY

JOSEPH A. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 127161 STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 5+00 TO STA. 13+00
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	4A
P.I.H.	2024	71951-3510-04	4A
PS&E	2025	71951-3510-04	4A

REV. 07-13-22
TRACT 7&8 PROPERTY OWNERS UPDATED. CITY/COUNTY JURISDICTION LINE ADDED

REV. 03-06-23
DRIVEWAYS ADDED TO DITTY ROAD FOR TRACTS 4 AND 6. SLOPE LINES AND EASEMENT LINES ADJUSTED, WWC-1/EPH-1 CHANGED TO WWC-1. TRACT 6 PROPERTY OWNER UPDATED

REV. 03-30-23
TRACT 6 FIELD ENTRANCE AT 106+00 UPDATED FROM 14 FT. TO 20 FT.

REV. 04-06-23
UPDATED BEARING/DISTANCE LABELS FOR TRACTS 4 & 6.

REV. 08-25-23 ADDED STATION AND OFFSET FLAG AND SPLIT BEARING AND DISTANCE LABEL AT STA. 101+50.11

REV. 03-04-24
FIELD ENTRANCE AND CONSTRUCTION EASEMENT ADDED TO TRACT 7

REV. 03-04-24
FIELD ENTRANCE AND CONSTRUCTION EASEMENT ADDED TO TRACT 7

R.O.W. REV. 02-05-25
ADDED LEGENDS FOR TEMPORARY CONSTRUCTION EASEMENTS AND PROPOSED RESURFACING.

⑨
SHREE SAI, LLC

MATCHLINE BAXTER RD. STA. 109+00 SEE SHT. NO.7A

⑧
DONNY MEADOWS, DOUG STANDIFER, AND HERB BAUGH

MATCHLINE STA. 13+00 SEE SHT. NO.5A

BEGIN PROJ. NO. 71951-2510-04
STA. 5+72.97 ROW.
N 655749.8244
E 2078529.9272

⑦
DONNY MEADOWS, DOUGLAS L.
STANDIFER TRUST,
AND HERB BAUGH

⑥
BROWN INVESTMENT PROPERTIES, LLC,
A TENNESSEE LIMITED LIABILITY COMPANY

BAXTER STA. 104+77.50 =
DITTY STA. 5+00.00
N 655744.5890
E 2078457.1453

BEGIN PROJ. NO. 71951-3510-04
STA. 5+10.55 CONST.
N 655745.3463
E 2078467.6730

⑤
GSG HOLDINGS GROUP, LLC

LIMITS OF CONSTRUCTION
BAXTER STA. 100+00.00
N 655268.0260
E 2078487.0460
(SEE PROFILE ON SHEET 8)

③
DAVID L. AND
WANDA J. GOODSON

②
JAMES F. MAXWELL ETUX
GLENNA M. MAXWELL

~~TAUBERT ALBERT DOYLE ETUX RUTH~~
①

④
JAMES F. MAXWELL ETUX GLENNA M. MAXWELL

PROPOSED RESURFACING

TEMPORARY CONSTRUCTION EASEMENT

CONTROL POINTS						
Point	Feature	North	East	Elevation	Station	Offset
S11	XCP	656013.99	2078416.75	1019.28	107+49.76	17.47 LT
S12	XCP	656585.27	2078206.00	979.82	113+42.20	154.78 LT
S13	XCP	656609.55	2080778.45	1021.61	0+00.00	Off Chain
S14	XCP	656292.88	2081077.99	1037.64	0+00.00	Off Chain

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JOSEPH A. BIRCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 127462
STATE OF TENNESSEE
2-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 5+00 TO STA. 13+00
SCALE: 1"= 50'

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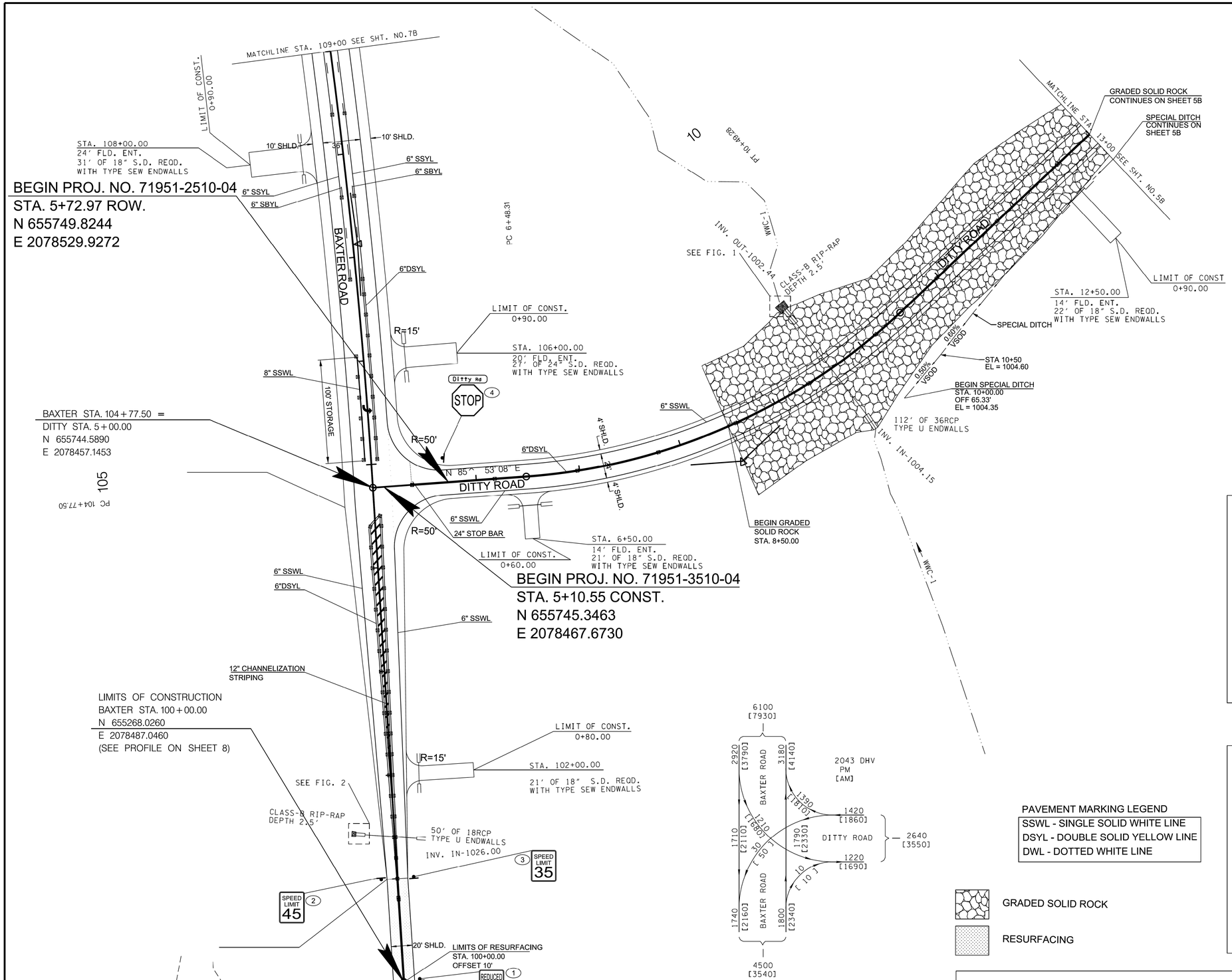
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	4B
P.I.H.	2024	71951-3510-04	4B
PS&E	2025	71951-3510-04	4B

REV. 03-06-23
DRIVEWAYS ADDED TO DITTY ROAD FOR TRACTS 4 AND 6 AND PROPOSED STRIPING ADJUSTED, WWC-1/EPH-1 CHANGED TO WWC-1

REV. 03-30-23
TRACT 6 FIELD ENTRANCE AT 106+00 UPDATED FROM 14 FT. TO 20 FT.

REV. 03-04-24
FIELD ENTRANCE ADDED TO TRACT 7. SPEED LIMIT SIGNS ADDED AND STRIPING UPDATED

R.O.W. REV. 02-05-25
ADDED SPECIAL DITCH FROM STA 10+00 TO STA 14+00.
ADDED 22' OF 18" S.D. UNDER FIELD ENTRANCE AT STA 12+50.
ADDED GRADED SOLID ROCK WITH LABELS FROM STA 8+50 TO STA 19+50.
ADDED LEGEND FOR GRADED SOLID ROCK.



PAVEMENT MARKING LEGEND

SSWL - SINGLE SOLID WHITE LINE
DSYL - DOUBLE SOLID YELLOW LINE
DWL - DOTTED WHITE LINE

GRADED SOLID ROCK

RESURFACING

NOTE: SEE SHT.8 FOR BAXTER ROAD PROFILE

FIGURE 1

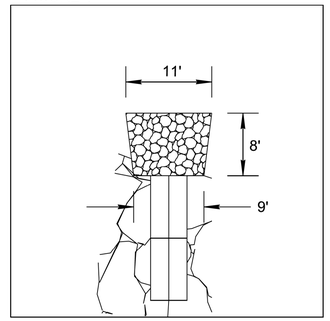
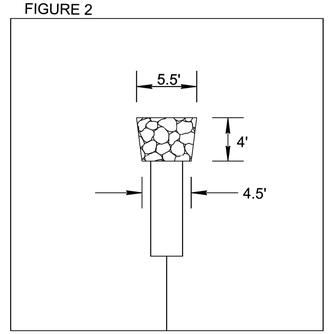


FIGURE 2



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JOSEPH H. BUTCHFIELD
REGISTERED ENGINEER
AGRICULTURE
No. 122760
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 5+00 TO STA. 13+00
SCALE: 1"= 50'

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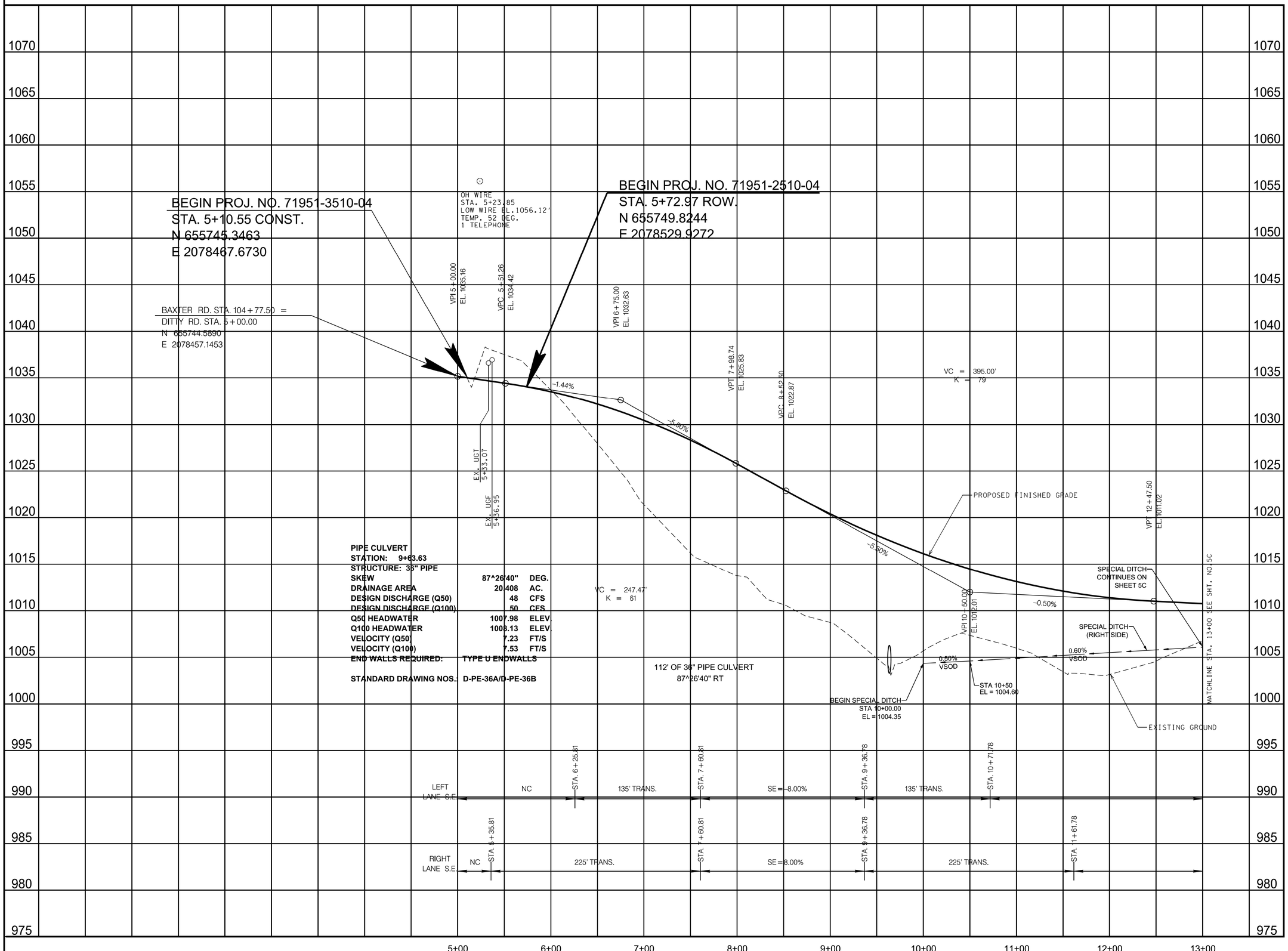
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	4C
P.I.H.	2024	71951-3510-04	4C
PS&E	2025	71951-3510-04	4C

R.O.W. REV. 02-05-25
ADDED LOW HANGING WIRE
AT STA 5+23.85.
ADDED UNDERGROUND TELEPHONE
AT STA 5+33.07 AND UNDERGROUND
FIBER AT STA 5+36.95.
ADDED SPECIAL DITCH
FROM STA 10+00 TO STA 14+00.



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JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 122710
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 5+00 TO STA. 13+00

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	5
P.I.H.	2024	71951-3510-04	5
PS&E	2025	71951-3510-04	5

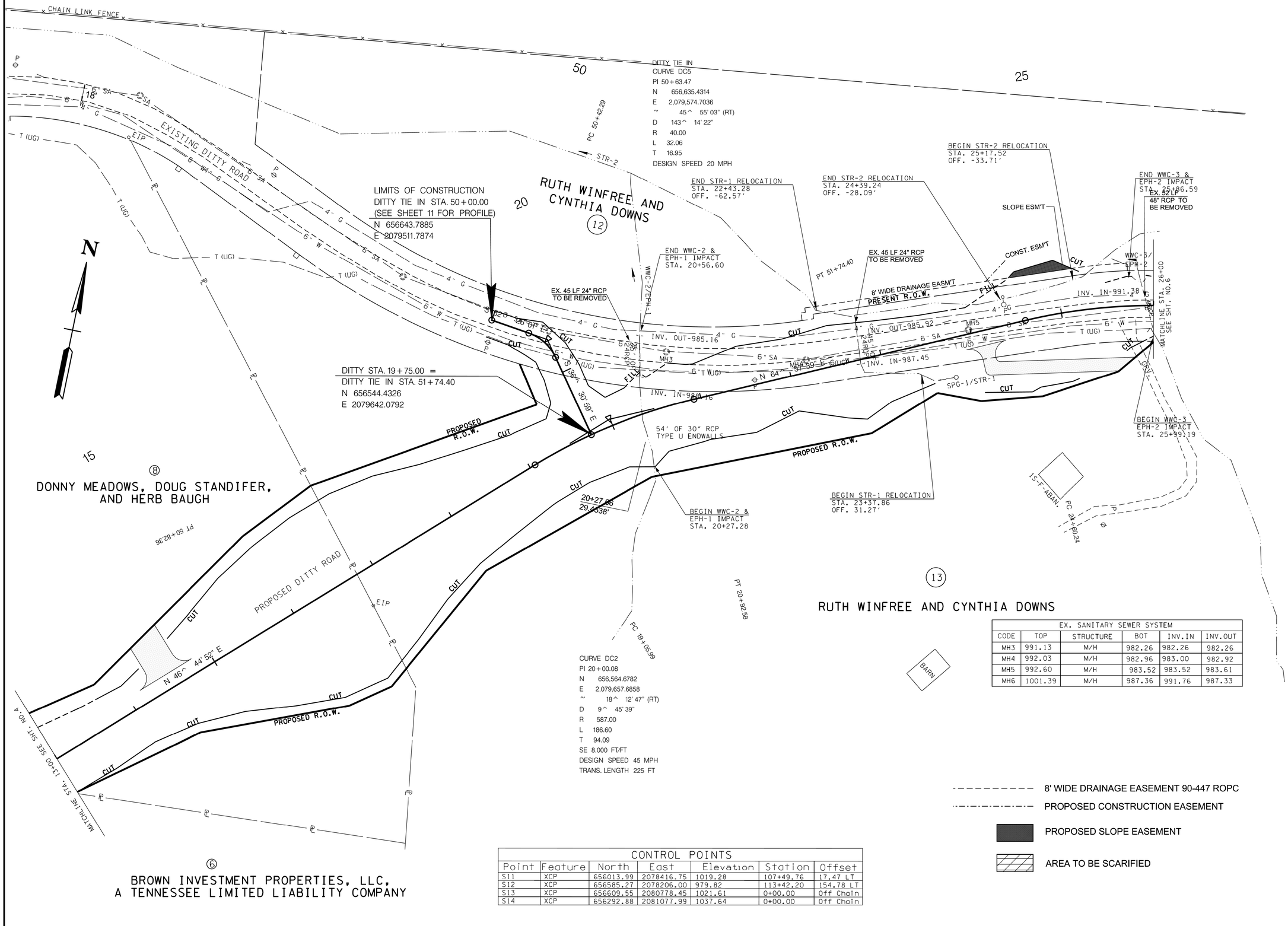
REV. 09-09-22
UPDATED EXISTING ROW LINES, PROPOSED ROW LINES AND LABELS, AND EASEMENTS FOR TRACTS 12 AND 13

REV. 03-06-23
SLOPE LINES, ROW LINES, AND EASEMENT LINES ADJUSTED FOR TRACTS 12 AND 13,WWC-2/EPH-2 AND WWC-3/EPH-3 CHANGED TO WWC-2/EPH-1 AND WWC-3/EPH-2
EXISTING DITTY ROAD NAME CHANGED. TRACT 6 PROPERTY OWNER UPDATED

REV. 03-04-24
TRACT 8 DRIVEWAY AND SLOPE LINES ADJUSTED

R.O.W. REV. 02-05-25
ADDED LEGEND FOR EASEMENTS.
ADDED INFORMATION ON LABELS FOR PIPES TO BE REMOVED.
ADDED CONTROL POINT TABLE.

REV. 05-29-25
UPDATED EXIST. UTILITIES.



EX. SANITARY SEWER SYSTEM					
CODE	TOP	STRUCTURE	BOT	INV.IN	INV.OUT
MH3	991.13	M/H	982.26	982.26	982.26
MH4	992.03	M/H	982.96	983.00	982.92
MH5	992.60	M/H	983.52	983.52	983.61
MH6	1001.39	M/H	987.36	991.76	987.33

CONTROL POINTS						
Point	Feature	North	East	Elevation	Station	Offset
S11	XCP	656013.99	2078416.75	1019.28	107+49.76	17.47 LT
S12	XCP	656585.27	2078206.00	979.82	113+42.20	154.78 LT
S13	XCP	656609.55	2080778.45	1021.61	0+00.00	Off Chain
S14	XCP	656292.88	2081077.99	1037.64	0+00.00	Off Chain

8' WIDE DRAINAGE EASEMENT 90-447 ROPC

PROPOSED CONSTRUCTION EASEMENT

PROPOSED SLOPE EASEMENT

AREA TO BE SCARIFIED

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
STATE OF TENNESSEE
05-30-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 13+00 TO STA. 26+50
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	5A
P.I.H.	2024	71951-3510-04	5A
PS&E	2025	71951-3510-04	5A

REV. 09-09-22
UPDATED EXISTING ROW LINES, PROPOSED ROW LINES AND LABELS, AND EASEMENTS FOR TRACTS 12 AND 13

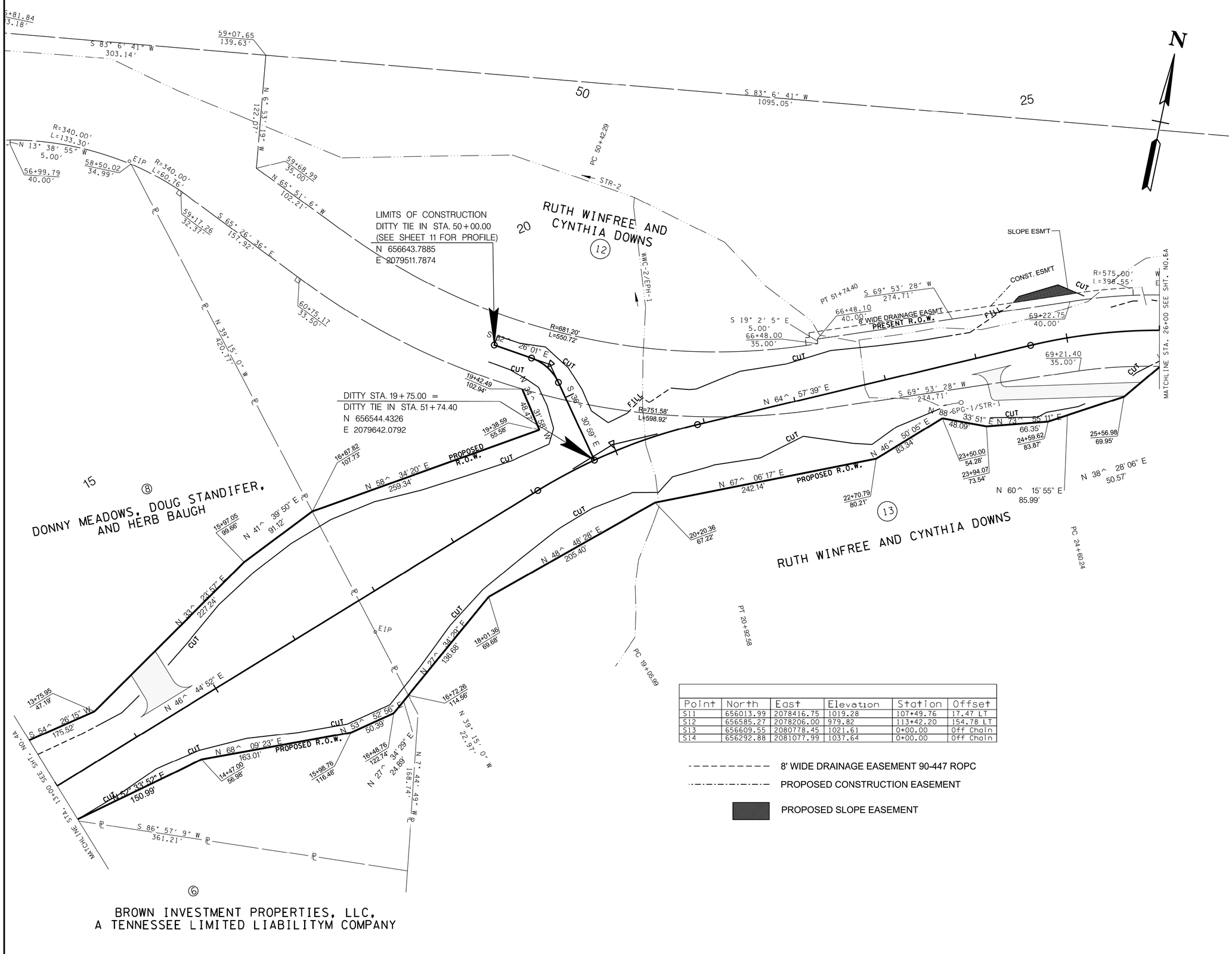
REV. 03-06-23
SLOPE LINES, ROW LINES, ROW FLAGS, AND EASEMENTLINES ADJUSTED FOR TRACTS 12 AND 13,WWC-2/EPH-2 AND WWC-3/EPH-3 CHANGED TO WWC-2/EPH-1 AND WWC-3/EPH-2. TRACT 6 PROPERTY OWNER UPDATED

REV. 04-06-23
UPDATED BEARING/DISTANCE AND STATION/OFFSET LABELS FOR TRACT 13.

REV. 08-25-23
SPLIT BEARING AND DISTANCE LABEL AT STA. 16+72.26

REV. 03-04-24
TRACT 8 DRIVEWAY AND SLOPE LINES ADJUSTED

R.O.W. REV. 02-05-25
ADDED LEGEND FOR DRAINAGE EASEMENTS & PROPOSED CONSTRUCTION EASEMENTS.



Point	North	East	Elevation	Station	Offset
S11	656013.99	2078416.75	1019.28	107+49.76	17.47 LT
S12	656585.27	2078206.00	979.82	113+42.20	154.78 LT
S13	656609.55	2080778.45	1021.61	0+00.00	Off Chain
S14	656292.88	2081077.99	1037.64	0+00.00	Off Chain

8' WIDE DRAINAGE EASEMENT 90-447 ROPC

PROPOSED CONSTRUCTION EASEMENT

PROPOSED SLOPE EASEMENT

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 132106
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 13+00 TO STA. 26+50
SCALE: 1"= 50'

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PAVEMENT MARKING LEGEND

SSWL - SINGLE SOLID WHITE LINE
DSYL - DOUBLE SOLID YELLOW LINE
DWL - DOTTED WHITE LINE

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 BACKFILLED WITHIN THE STRUCTURE TO SATISFY THE REQUIRED EMBEDMENT DEPTH AS DEPICTED IN THE PLANS. WHEN THESE MATERIALS ARE NOT PRESENT OR 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.

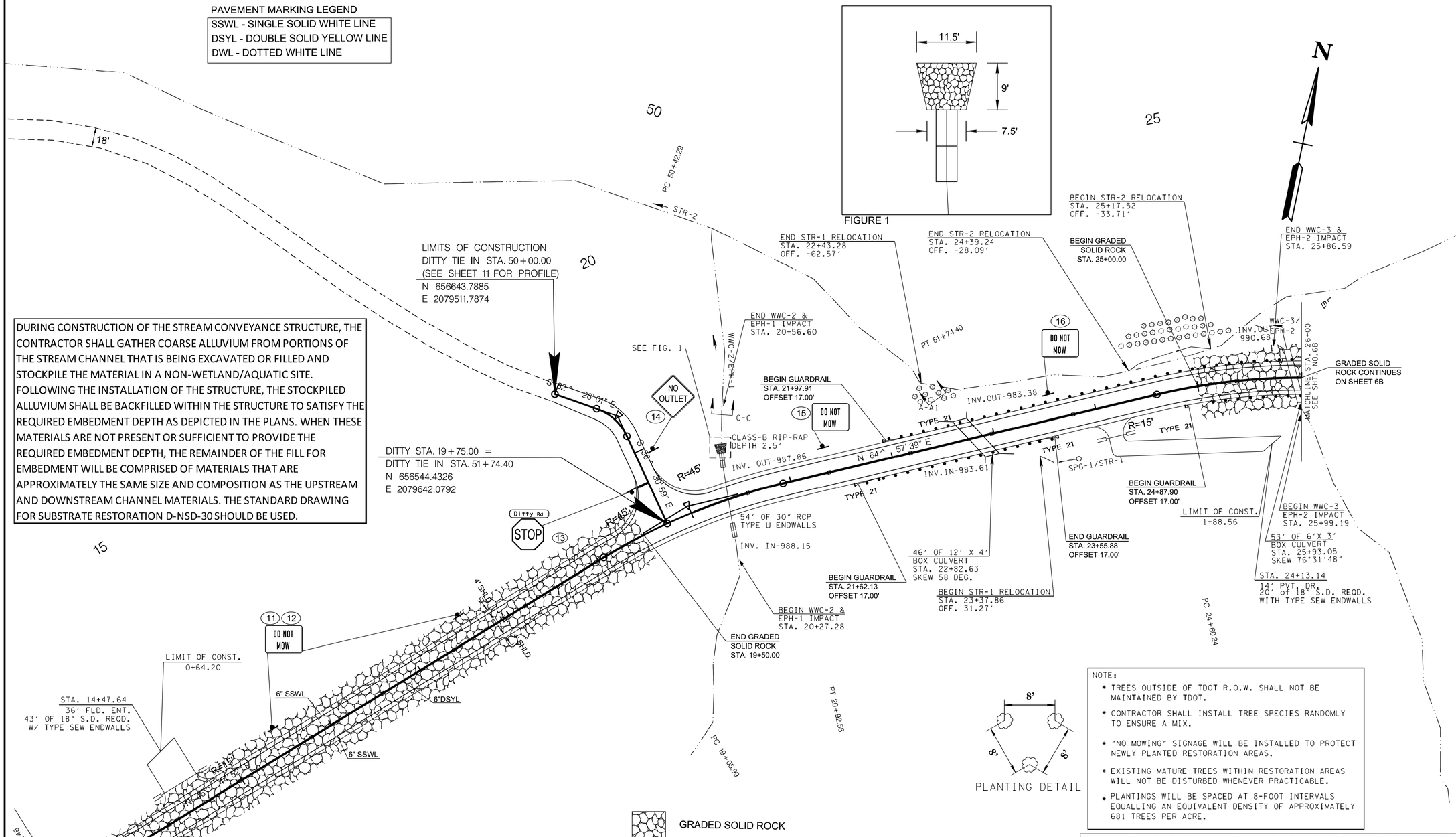
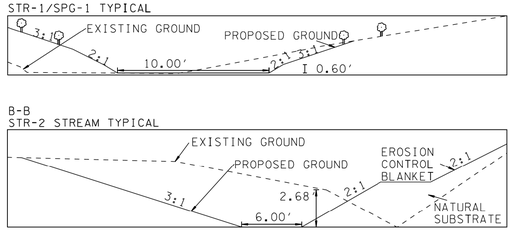
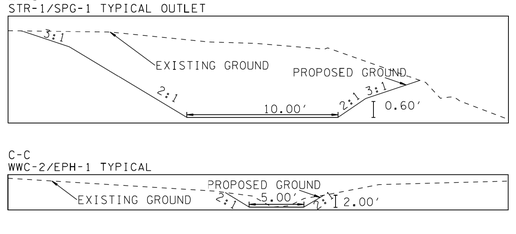


FIGURE 1





GRADED SOLID ROCK

PLANTING DETAIL

NOTE:
- TREES OUTSIDE OF TDOT R.O.W. SHALL NOT BE MAINTAINED BY TDOT.
- CONTRACTOR SHALL INSTALL TREE SPECIES RANDOMLY TO ENSURE A MIX.
- "NO MOWING" SIGNAGE WILL BE INSTALLED TO PROTECT NEWLY PLANTED RESTORATION AREAS.
- EXISTING MATURE TREES WITHIN RESTORATION AREAS WILL NOT BE DISTURBED WHENEVER PRACTICABLE.
- PLANTINGS WILL BE SPACED AT 8-FOOT INTERVALS EQUALLING AN EQUIVALENT DENSITY OF APPROXIMATELY 681 TREES PER ACRE.

THE USE OF MONOFILAMENT-TYPE EROSION CONTROL NETTING OR BLANKET IS PROHIBITED IN THE STREAM CHANNEL, STREAM BANKS, OR ANY DISTURBED RIPARIAN AREAS WITHIN 30 FEET OF THE TOP OF BANKS.

RIP-RAP 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 WITH RIP-RAP AREA. CREEK GRAVEL CAN BE REMOVED FROM CULVERT EXCAVATION AREA.

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER PORTION OF STR-1, STR-2, WWC-2/EPH-1, OR WWC-3/EPH-2 AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	5B
P.I.H.	2024	71951-3510-04	5B
PS&E	2025	71951-3510-04	5B

REV. 03-06-23
STREAM TYPICALS UPDATED, EMBEDDING OF STRUCTURES NOTE REMOVED, RIP-RAP NOTE ADDED, CONSTRUCTION EQUIPMENT NOTE ADJUSTED, STR-1 CULVERT CHANGED TO SLAB BRIDGE, GUARDRAIL ADDED, STR-2 RELOCATION ADJUSTED, GRADED SOLID ROCK PAD ADDED, WWC-2/EPH-2 AND WWC-3/EPH-3 CHANGED TO WWC-2/EPH-1 AND WWC-3/EPH-2, EXISTING DITTY ROAD NAME CHANGED, PROPOSED GUARDRAIL LABELS UPDATED

REV. 03-04-24
TRACT 8 DRIVEWAY ADJUSTED

REV. 08-15-24
AT STA. 22+82.39 CHANGED SLAB CULVERT TO BOX CULVERT, INCREASED LENGTH FROM 45' TO 46', AND ADDED 0.8' EMBEDMENT.

REV. 09-24-24
ADDED ENVIRONMENTAL NOTE ADDRESSING STOCKPILING AND PLACEMENT OF COARSE ALLUVIUM.

R.O.W. REV. 02-05-25
ADDED NOTE AT DITTY TIE-IN "SEE SHEET 11 FOR PROFILE". ADDED SPECIAL DITCH FROM STA 10+00 TO STA 14+00. ADDED GRADED SOLID ROCK WITH LABELS FROM STA 8+50 TO STA 19+50. ADDED LEGEND FOR GRADED SOLID ROCK.

REV. 05-29-25
REMOVED RIP-RAP FROM STR-2 RELOCATION.

SEALED BY

JOSEPH B. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMISSION NO. 1997145
STATE OF TENNESSEE
05-30-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 13+00 TO STA. 26+50
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	5C
P.I.H.	2024	71951-3510-04	5C
PS&E	2025	71951-3510-04	5C

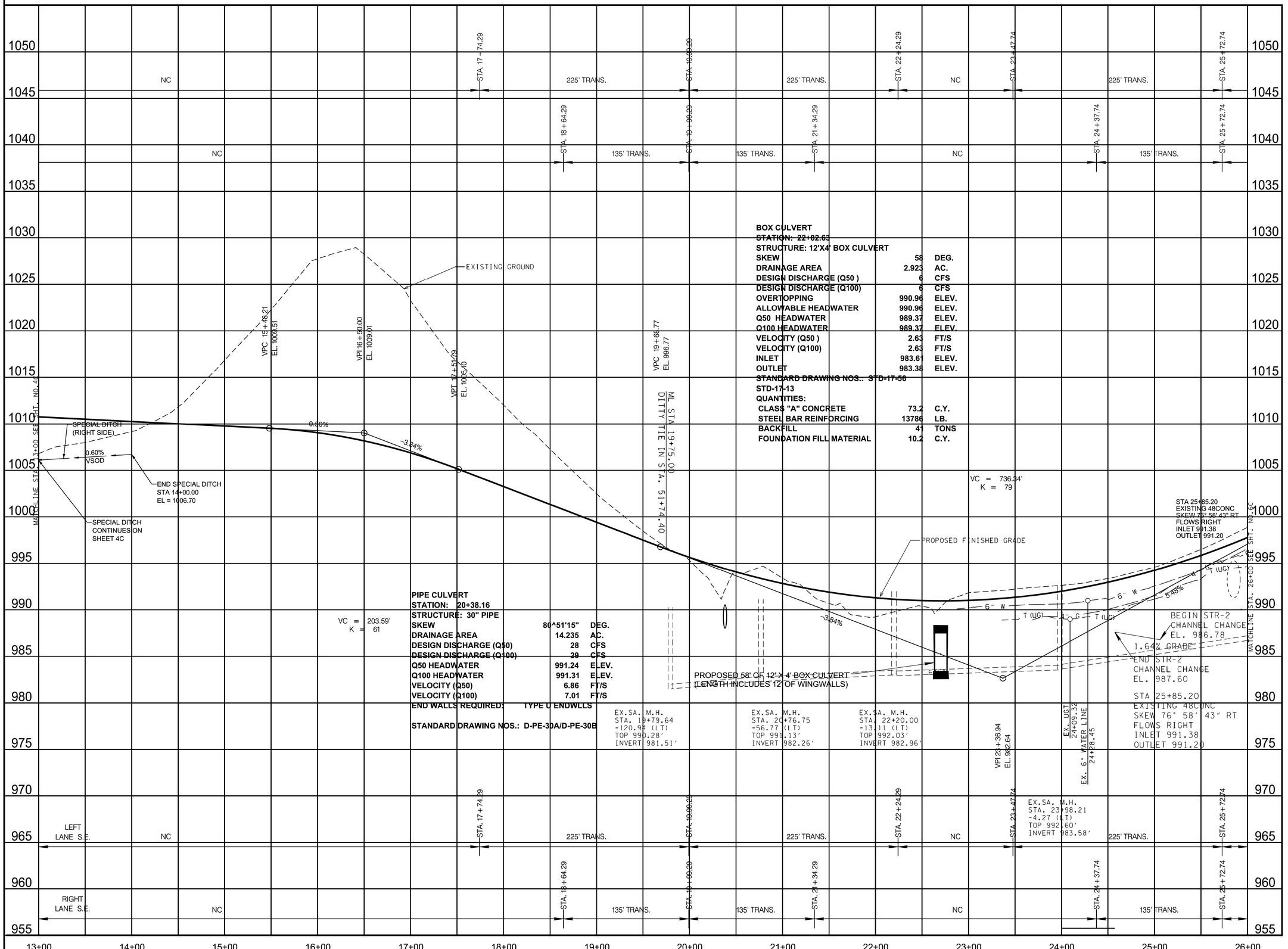
REV. 03-06-23
STR-1 CULVERT AND DRAINAGE DATA BLOCK CHANGED TO SLAB BRIDGE, STR-2 CHANNEL ADDED

REV. 08-15-24
AT STA. 22+82.39 CHANGED CULVERT FROM SLAB TO BOX AND CHANGED FROM 45' TO 46'.

REV. 09-24-24
AT STA. 22+82.39 CHANGED NOTE TO "PROPOSED 58' OF 12' X4' BOX CULVERT (LENGTH INCLUDES 12' OF WINGWALLS)"

R.O.W. REV. 02-05-25
REVISED TOTALS IN BOX CULVERT INFORMATION BLOCKS.
ADDED SPECIAL DITCH FROM STA 10+00 TO STA 14+00.

REV. 05-29-25
UPDATED EXIST. UTILITIES. REMOVED RIP-RAP FROM STR-2 RELOCATION.



BOX CULVERT
STATION: ~~22+82.63~~
STRUCTURE: 12'X4' BOX CULVERT

SKEW	**58**	**DEG.**
DRAINAGE AREA	**2.923**	**AC.**
DESIGN DISCHARGE (Q50)	**6**	**CFS**
DESIGN DISCHARGE (Q100)	**6**	**CFS**
OVERTOPPING	**990.96**	**ELEV.**
ALLOWABLE HEADWATER	**990.96**	**ELEV.**
Q50 HEADWATER	**989.37**	**ELEV.**
Q100 HEADWATER	**989.37**	**ELEV.**
VELOCITY (Q50)	**2.63**	**FT/S**
VELOCITY (Q100)	**2.63**	**FT/S**
INLET	**983.61**	**ELEV.**
OUTLET	**983.38**	**ELEV.**

~~STANDARD DRAWING NOS.: STD-17-56~~
STD-17-13
QUANTITIES:

CLASS "A" CONCRETE	**73.2**	**C.Y.**
STEEL BAR REINFORCING	**13786**	**LB.**
BACKFILL	**41**	**TONS**
FOUNDATION FILL MATERIAL	**10.2**	**C.Y.**

PIPE CULVERT
STATION: 20+38.16
STRUCTURE: 30" PIPE

SKEW	**80^51'15"**	**DEG.**
DRAINAGE AREA	**14.235**	**AC.**
DESIGN DISCHARGE (Q50)	**28**	**CFS**
DESIGN DISCHARGE (Q100)	**29**	**CFS**
Q50 HEADWATER	**991.24**	**ELEV.**
Q100 HEADWATER	**991.31**	**ELEV.**
VELOCITY (Q50)	**6.86**	**FT/S**
VELOCITY (Q100)	**7.01**	**FT/S**

END WALLS REQUIRED: TYPE U ENDWLLS

STANDARD DRAWING NOS.: D-PE-30A/D-PE-30B

SEALED BY

JASON MARK HOGAN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
CIVIL UTILITY
STATE OF TENNESSEE
10-30-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 13+00 TO STA. 26+00

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	6
P.I.H.	2024	71951-3510-04	6
PS&E	2025	71951-3510-04	6

REV. 09-09-22
UPDATED EXISTING ROW LINES, PROPOSED ROW LINES AND LABELS, AND EASEMENTS FOR TRACTS 12, 13, AND 14

REV. 03-06-23
WWC-3/EPH-3 CHANGED TO WWC-3/EPH-2

R.O.W. REV. 02-05-25
ADDED PROPERTY LABEL & OWNER FOR TRACT 16.
REMOVED BEARING & DISTANCE LABEL.
ADDED CONTROL POINT TABLE AT BOTTOM OF SHEET & DELETED DUPLICATE CONTROL POINT TABLE NEAR NORTH ARROW.
UPDATED PROPOSED DRIVEWAY ON TRACT 14.

REV. 05-29-25
UPDATED EXIST. UTILITIES.

(14)

INDUSTRIAL DEVELOPMENT BOARD
CITY OF COOKEVILLE, TENNESSEE

CURVE DC3
PI 29+24.22
N 656,956.4812
E 2,080,496.4155
~ 75^ 31' 23" (RT)
D 9^ 33' 35"
R 599.00
L 789.58
T 463.99
SE 8.000 FT/FT
DESIGN SPEED 45 MPH
TRANS. LENGTH 225 FT

CURVE DC4
PI 35+79.73
N 656,344.0095
E 2,081,001.5870
~ 2^ 50' 40" (LT)
D 1^ 09' 44"
R 4,930.00
L 244.75
T 122.40
SE 2.300 FT/FT
DESIGN SPEED 45 MPH
TRANS. LENGTH 138 FT

PC 34+57.33

PT 37+02.08

POT 38+14.49

END PROJ. NO. 71951-2510-04
STA. 37+43.95 ROW.
N 656222.6286
E 2081112.2698

30

35

SECURITY ARM

MOUNTABLE CURB

VISITORS EMPLOYEES ONLY

TOP-1022.81'
INV. IN-1018.46'
BOT-1018.43'

TOP-1023.10'
INV. IN-1016.74'
INV. OUT-1015.11'
INV-1014.43'
BOT-1015.10'

TOP-1018.71'
INV. IN-1014.88'
INV. OUT-1014.79'
INV-1014.66'
BOT-1014.78'

CATCH POND

INV.-1013.75

RRAP

CONC. EASEMENT

PROPOSED R.O.W.

CUT

(71-SIA-13)
N 656609.5490
E 2080778.4477
EL. 1021.61

(71-SIA-14)
N 656292.9769
E 2081077.9885
EL. 1037.64

ELECTRICAL

SIGN

ELECTRICAL INV. OUT-1013.28

18"RCP

INV. IN-1014.75'

CR-13

S 39^ 30' 58" E

S 42^ 21' 38" E

DUTY ROAD

DIRT

PRESENT R.O.W.

RUTH WINFREE AND CYNTHIA DOWNS
(12)

INV. IN-1016.13
INV. OUT-1015.29

INV. IN-1000.25
INV. OUT-999.27

GRV.

IS-F-RES.

EX. 20 LF 12" CMP TO BE REMOVED

INV. OUT-991.20

WWC-3/EPH-2

MATCH LINE STA. 26+00 SEE SHT. NO.S

(13)

RUTH WINFREE AND CYNTHIA DOWNS

PT 32+49.79

END PROJ. NO. 71951-3510-04
STA. 38+14.49 CONST.
N 656170.1254
E 2081160.1456

INDUSTRIAL DEVELOPMENT BOARD
CITY OF COOKEVILLE, TENNESSEE
(16)

EX. SANITARY SEWER SYSTEM					
CODE	TOP	STRUCTURE	BOT	INV.IN	INV.OUT
MH7	1011.19	M/H	1000.43	1000.45	N/A
MH8	1018.59	M/H	1007.70	1007.99	1007.69
MH9	1022.01	M/H	1012.33	N/A	1012.27

CONTROL POINTS						
Point	Feature	North	East	Elevation	Station	Offset
S11	XCP	656013.99	2078416.75	1019.28	107+49.76	17.47 LT
S12	XCP	656585.27	2078206.00	979.82	113+42.20	154.78 LT
S13	XCP	656609.55	2080778.45	1021.61	0+00.00	Off Chain
S14	XCP	656292.88	2081077.99	1037.64	0+00.00	Off Chain

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
122715
STATE OF TENNESSEE
05.30.2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 26+50 TO STA. 38+14.49
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	6A
P.I.H.	2024	71951-3510-04	6A
PS&E	2025	71951-3510-04	6A

REV. 09-09-22
UPDATED EXISTING ROW LINES, PROPOSED ROW LINES AND LABELS, AND EASEMENTS FOR TRACTS 12, 13, AND 14

REV. 03-06-23
WWC-3/EPH-3 CHANGED TO WWC-3/EPH-2

REV. 08-25-23 ADDED STATION AND OFFSET FLAG AND SPLIT BEARING AND DISTANCE LABEL AT STA. 29+43.79

REV. 11-20-23 ADDED TCE AND BEARING AND DISTANCE LABEL TO PRESENT ROW FOR TRACT 14.

REV. 11-20-23 SPLIT BEARING AND DISTANCE LABEL ON TRACT 14

R.O.W. REV. 02-05-25
ADDED LEGENDS FOR ACCESS EASEMENTS, PROPOSED CONSTRUCTION EASEMENTS, AND RESURFACING.
UPDATED PROPOSED DRIVEWAY ON TRACT 14.

(14)

INDUSTRIAL DEVELOPMENT BOARD
CITY OF COOKEVILLE, TENNESSEE

30

35

PC 34+57.33

PT 37+02.08

POT 38+14.49

END PROJ. NO. 71951-2510-04
STA. 37+43.95 ROW.
N 656222.6286
E 2081112.2698

N 83° 9' 28" E
444.23'

S 67^ 58' 59" E
113.29

CATCH POND
31+75.77
53.12'

S 53^ 37' 47" E
137.80'

S 42^ 13' 35" E
180.83'

33+50.03
56.70'

S 38^ 43' 48" E
348.36'

37+00.73
45.96'

N 57° 33' 9" E
196.39'

S 57° 38' 35" W
116.69'

N 13^ 50' 09" W
40.55'

S 42° 35' 51" E
35.49'

37+36.37
26.60'

N 42° 35' 51" W
244.91'

S 42° 21' 38" E

S 42° 36' 55" E
55.99'

37+43.95
23.32'

S 72^ 13' 12" E
50.22'

37+00.41
48.32'

N 20° 13' 36" E
207.07'

S 67^ 58' 59" E
45.51'

S 47° 24' 7" E
286.00'

57° 33' 25" E
123.57'

STR-2

RUTH WINFREE AND CYNTHIA DOWNS
(12)

30+48.75
50.80'

CONST. EASEMENT

29+43.79
42.44'

29+01.41
44.69'

27+79.83
40.52'

N 80^ 29' 17" W
130.29'

S 84^ 26' 36" E
86.44'

R=467.35'
L=351.51'

23+14.35
42.56'

26+99.16
46.40'

23+91.11
37.51'

N 57° 31' W
81.46'

N 7° 19' 18" W
5.46'

R=537.96'
L=595.83'

26+00 SEE SHT. NO. 5A
MATCHLINE STA.

WWC-3/EPH-2

26+00.92
38.90'

PROPOSED R.O.W.

CUT

26+87.50
34.95'

28+36.77
34.42'

28+36.88
24.42'

R=2200.00'
L=158.87'

N 45° 7' 41" E
10.00'

N 44° 15' 7" W
277.87'

S 39^ 30' 58" E

31+14.74
24.84'

R=2200.00'
L=125.85'

32+40.03
25.00'

CUT

S 42° 35' 51" E
175.28'

CUT

N 44° 15' 3" W
277.87'

N 45° 7' 41" E
10.00'

N 38^ 54' 08" W
150.90'

R=2200.00'
L=125.85'

32+40.65
25.02'

N 41^ 01' 48" W
302.18'

28+37.60
35.59'

28+37.48
25.60'

32+49.72
48.64'

31+15.36
25.18'

34+00.62
50.25'

PRESENT R.O.W.

PT 32+49.79

(13)

RUTH WINFREE AND CYNTHIA DOWNS

END PROJ. NO. 71951-3510-04
STA. 38+14.49 CONST.
N 656170.1254
E 2081160.1456

Point	North	East	Elevation	Station	Offset
S11	656013.99	2078416.75	1019.28	107+49.76	17.47 LT
S12	656585.27	2078206.00	979.82	113+42.20	154.78 LT
S13	656609.55	2080778.45	1021.61	0+00.00	Off Chain
S14	656292.88	2081077.99	1037.64	0+00.00	Off Chain

20' WIDE ACCESS EASEMENT

PROPOSED CONSTRUCTION EASEMENT

PROPOSED RESURFACING

SEALED BY

JOSEPH M. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
No. 127162
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 26+50 TO STA. 38+14.49
SCALE: 1"= 50'

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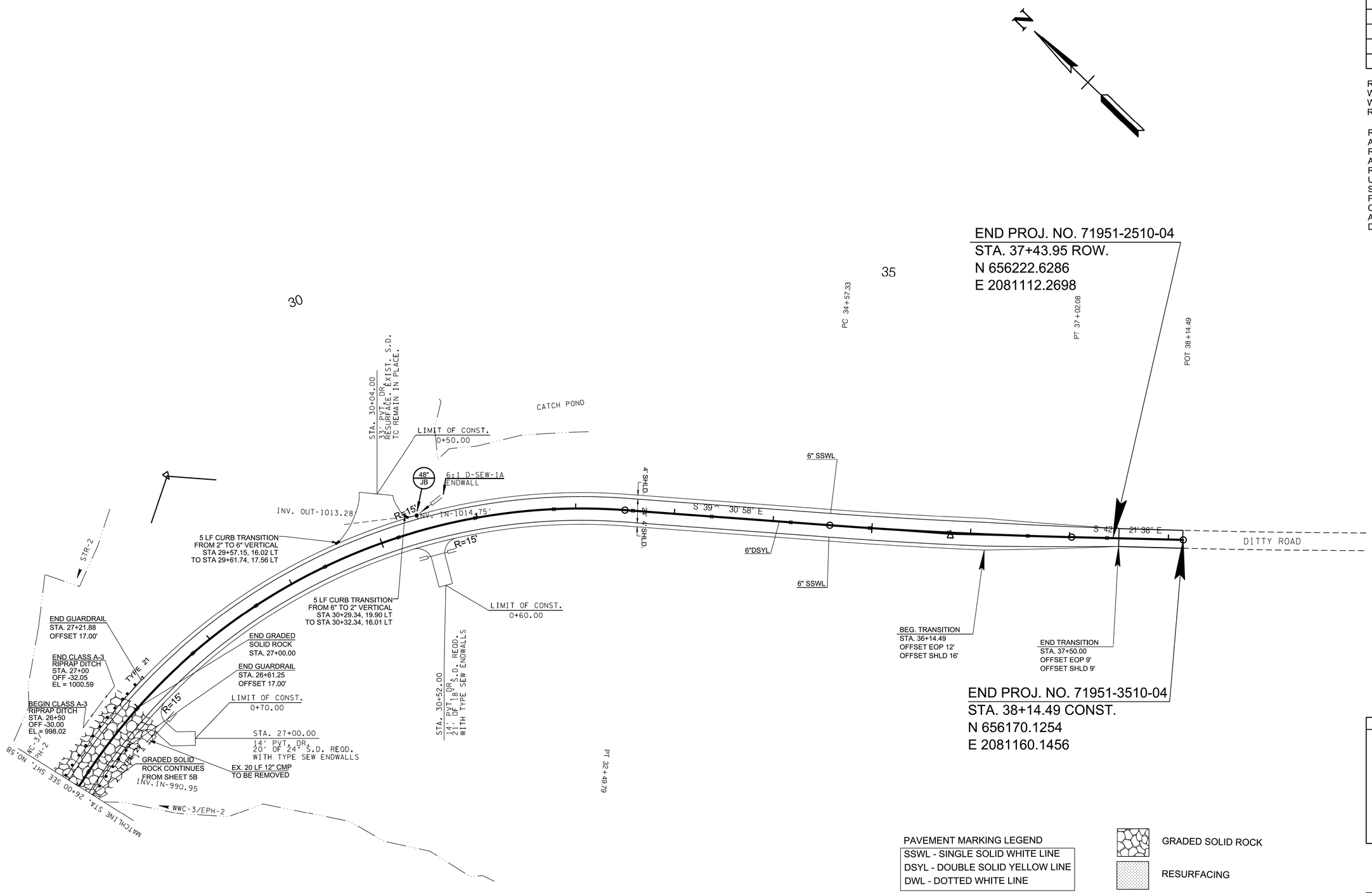
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	6B
P.I.H.	2024	71951-3510-04	6B
PS&E	2025	71951-3510-04	6B

REV. 03-06-23
WWC-3/EPH-3 CHANGED TO WWC-3/EPH-2, GRADED SOLID ROCK PAD ADDED

R.O.W. REV. 02-05-25
ADDED SPECIAL DITCH WITH CLASS A-3 RIPRAP FROM STA 26+50 TO STA 27+00.
ADDED LEGEND FOR GRADED SOLID ROCK.
UPDATED PROPOSED DRIVEWAY AT STA 30+04.00 AND ADDED NEW PROPOSED DRAINAGE STRUCTURES CONNECTING TO EXISTING PIPE.
ADDED 10 LF CURB TRANSITION TO DRIVEWAY APRON AT STA 30+04.



PAVEMENT MARKING LEGEND

SSWL - SINGLE SOLID WHITE LINE
DSYL - DOUBLE SOLID YELLOW LINE
DWL - DOTTED WHITE LINE

GRADED SOLID ROCK

RESURFACING

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF STR-2 OR WWC-3/EPH-2 AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.

SEALED BY

JOSEPH A. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMISSION NO. 127146
STATE OF TENNESSEE
02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 26+50 TO STA. 38+14.49
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	6C
P.I.H.	2024	71951-3510-04	6C
PS&E	2025	71951-3510-04	6C

R.O.W. REV. 02-05-25
ADDED CONTROL POINT 71-SIA-14
TO PROFILE.

REV. 05-29-25
UPDATED EXIST. UTILITIES.

VC = 206.88'
K = 79

VC = 173.08'
K = 79

OH WIRE
STA. 28+89.86
LOW WIRE EL.1038.74'
TEMP. 78 DEG.
7 POWER
2 TELEPHONE
0 CABLE
0 GUY WIRE

OH WIRE
STA. 30+04.65
LOW WIRE EL.1042.29'
TEMP. 78 DEG.
0 POWER
1 TELEPHONE
0 CABLE
0 GUY WIRE

VPI 29+68.55
EL. 1018.32

VPT 31+32.56
EL. 1020.38

VPC 32+27.98
EL. 1021.42

VPT 34+34.86
EL 1026.39

VPC 34+64.57
EL 1028.23

VPT 36+07.85
EL 1036.54

VPI 37+50.00
EL 1041.99

VPC 28+64.54
EL. 1011.57

VPT 27+85.11
EL 1002.83

VPI 35+71.11
EL 1051.44

VPI 33+31.42
EL 1022.55

71-SIA-13
STA. 32+12.37, -21.21'(LT)
N 656609.5490
E 2080718.4477
ELEV 1021.61
ALUM. DISK

(71-SIA-14)
STA 36+68.80, -21.89
N-656292.8769
E-2081077.9885
EL.1037.64

PROPOSED FINISHED GRADE

EXISTING GROUND

5.48%
1.09%
1.09%
3.71%
5.90%
5.14%
RRAP

6" W
4" G
T (UG)
6" SA

EX.SA. M.H.
STA. 30+61.42
-15.8' (LT)
TOP 1022.01'
INVERT 1012.27'

EX.SA. M.H.
STA. 30+27.10
-21.31' (LT)
TOP 1018.60'
INVERT 1007.70'

EX.SA. M.H.
STA. 28+55.96
9.69 (RT)
TOP 1011.19'
INVERT 1000.45'

EX.SA. M.H.
STA. 26+42.21
9.69 (RT)
TOP 1001.39'
INVERT 991.76'
INVERT 987.33'

EX. 6" SA. SEWER
29+46.40

BEGIN CLASS 'A'
RIPRAP DITCH
STA 27+00
EL = 1000.59

BEGIN CLASS 'A'
RIPRAP DITCH
STA 26+50
EL = 998.02

VC = 268.01'
K = 61

END PROJ. NO. 71951-2510-04 ROW
STA. 37+43.95
N 656218.2994
E 2081116.3933

END PROJ. NO. 71951-3510-04
STA. 38+14.49 CONST.
N 656170.1254
E 2081160.1456

SEE SHT. NO. 5C

MATCHLINE STA. 26+00

LEFT
LANE S.E.

SE = 8.00%

STA. 31+37.29

225' TRANS.

STA. 33+62.29

NC

9.6' TRANS.

STA. 35+16.49
STA. 35+26.08

SE = -2.30%

STA. 36+33.33
STA. 36+42.93

9.6' TRANS.

NC

RIGHT
LANE S.E.

SE = -8.00%

STA. 31+37.29

135' TRANS.

STA. 32+72.29

NC

STA. 33+88.58

137.5' TRANS.

STA. 35+26.08

SE = 2.30%

STA. 36+33.33

137.5' TRANS.

STA. 37+70.83

NC

26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 129700
STATE OF TENNESSEE
05-29-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 26+00 TO STA. 38+14.49

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	7
P.I.H.	2024	71951-3510-04	7
PS&E	2025	71951-3510-04	7

REV. 03-24-22
UPDATED STREAM 3 NAME
TO MAXWELL BRANCH

REV. 07-13-22
TRACT 8&11 PROPERTY OWNERS
UPDATED. EXISTING SIGNS ADDED

REV. 03-06-23
EXISTING STR-3 CULVERT LABEL
ADJUSTED WETLAND IMPACT TABLE
REMOVED, TRACT 10 PROPERTY
OWNER UPDATED, SLOPE LINES
AND BUSINESS ENTRANCE
ADJUSTED FOR TRACT 11, STR-3
CULVERT EXTENSION INCREASED,
EXISTING DITTY ROAD NAME
CHANGED

REV. 07-07-23
FIELD ENTRANCE ADDED TO
TRACT 8 AND SLOPE LINES
AND CONSTRUCTION EASEMENTS
ADJUSTED

REV. 03-04-24
DRIVEWAY AT STA. 110+00
EXTENDED AND SLOPE LINES
ADJUSTED

R.O.W. REV. 02-05-25
ADDED LEGEND FOR TEMPORARY
CONSTRUCTION EASEMENTS.
ADDED LABELS FOR LIMITS OF
RESURFACING.
ADDED CONTROL POINT TABLE.

REV. 05-29-25
UPDATED EXIST. UTILITIES.

N

200
POT 200+00.00

LIMITS OF CONSTRUCTION
OLAN MAXWELL STA. 202+68.12
N 656634.3823
E 2078112.9866

LIMIT OF RESURFACING
BAXTER STA. 115+30.80

LIMITS OF CONSTRUCTION
BAXTER STA. 115+30.80
N 656790.8220
E 2078337.1700

BAXTER STA. 113+72.78 =
MAX STA. 205+11.21
N 656633.9375
E 2078356.0800

205
POT 205+11.21

POT 115+30.80
OLAN MAXWELL STA. 205+11.21
N 656633.9375
E 2078356.0800

115

LIMIT OF RESURFACING
OLAN MAXWELL
STA. 203+50.00

EXISTING PIPE
TO REMAIN
INV. IN-971.50
INV. OUT-966.17

WOVEN WIRE FENCE
8" W
S 89° 35' 43" E
20'
OLAN MAXWELL ROAD
PRESENT R.O.W.
8" SA
PI 113+72.78
PUMPSTATION
TOP
CHAINLINK
GRV.
CUT
FILL
CONST. EASEMENT
PRESENT R.O.W.
BAXTER ROAD
N 9° 47' 36" W 822.25'
CUT
P/T/CTV
PRESENT R.O.W.
EIP
CHAIN LINK FENCE
STR-2
PRESENT R.O.W.
BILLBOARD
INDERJIT
KAUR HEER
ASP.
11
IS-F-BUS-
LEATHERWORX C.M.
2" G
CUT
C.M.W.
CONST. EASEMENT
EIP
STR-4
EXISTING PIPE
TO REMAIN
EXISTING DITTY ROAD
PRESENT R.O.W.
INV. OUT-975.84
INV. OUT-980.26
INV. OUT-977.87
INV. OUT-979.73
INV. IN-977.74
T (UG)
EXISTING PIPE
TO REMAIN
INV. IN-980.37
INV. OUT-979.47
P
18'
6" W
6" G
6" SA
EIP
6" W
P
13
RUTH WINFREE AND
CYNTHIA DOWNS
10
JACKIE E. GARCIA AND FRANCISCO S. GARCIA
STR-3
EX. BOX CULVERT TO REMAIN
10'-0" SPAN x 10'-0" RISE
STA. 112+88.51
EX. WINGWALLS TO BE REMOVED
BRIDGE ID: 71S4970003
PT 112+40.33
P
FILL
BAXTER ROAD
N 9° 47' 36" W 1,322.95'
CUT
SA
GRV.
GAS VALUE
8" SA
8" W
DIRT
CUT
PROPOSED R.O.W.
FILL
N 7° 56' 35" W 712.12'
T (UG)
TOP
P/T/CTV
SEE PED. F
CONST. EASEMENT
PROPOSED R.O.W.
WTL-1
WMC-1
8
DONNY MEADOWS, DOUGLAS L. STANDIFER
TRUST, AND HERB BAUGH
PC 110+09.83
110
PT 109+47.51
9
SHREE SAI, LLC
MATCHLINE BAXTER RD. STA. 109+00 SEE SHT. NO.4

CONTROL POINTS						
Point	Feature	North	East	Elevation	Station	Offset
S11	XCP	656013.99	2078416.75	1019.28	107+49.76	17.47 LT
S12	XCP	656585.27	2078206.00	979.82	113+42.20	154.78 LT
S13	XCP	656609.55	2080778.45	1021.61	0+00.00	Off Chain
S14	XCP	656292.88	2081077.99	1037.64	0+00.00	Off Chain

TEMPORARY CONSTRUCTION EASEMENT

AREA TO BE SCARIFIED

SEALED BY

JOSEPH A. BUSCHFELD
REGISTERED ENGINEER
AGRICULTURE
COMMISSIONER
No. 1997145
STATE OF TENNESSEE
05-30-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

BAXTER RD
STA.109+00 TO STA.115+30.80
SCALE: 1"= 50'

5/29/2025 11:18:28 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	7A
P.I.H.	2024	71951-3510-04	7A
PS&E	2025	71951-3510-04	7A

REV. 03-24-22
UPDATED STREAM 3 NAME
TO MAXWELL BRANCH

REV. 07-13-22
TRACT 8&11 PROPERTY OWNERS
UPDATED

REV. 03-06-23
SLOPE LINES AND BUSINESS ENTRANCE
ADJUSTED FOR TRACT 11

REV. 07-07-23
FIELD ENTRANCE ADDED TO
TRACT 8 AND SLOPE LINES
AND CONSTRUCTION EASEMENTS
ADJUSTED

REV. 08-03-23 UPDATED STATION AND
OFFSET FLAG AT STA. 110+85.47 AND
DUPLICATE STATION AND OFFSET
FLAG AT STATION 110+84.90 REMOVED
FOR TRACT #8

REV. 03-04-24
DRIVEWAY AT STA. 110+00
EXTENDED AND SLOPE LINES
ADJUSTED

R.O.W. REV. 02-05-25
ADDED LEGEND FOR TEMPORARY
CONSTRUCTION EASEMENTS.
ADDED LABELS FOR LIMITS OF
RESURFACING.

N

200

205

LIMITS OF CONSTRUCTION
BAXTER STA. 115+30.80
N 656790.8220
E 2078337.1700

LIMIT OF RESURFACING
BAXTER STA. 115+30.80

LIMITS OF CONSTRUCTION
OLAN MAXWELL STA. 202+68.12
N 656634.3823
E 2078112.9866

BAXTER STA. 113+72.78 =
MAX STA. 205+11.21
N 656633.9375
E 2078356.0800

OLAN MAXWELL STA. 205+11.21
N 656633.9375
E 2078356.0800

LIMIT OF RESURFACING
OLAN MAXWELL
STA. 203+50.00

115

CUT

N 6^ 52' 23" W

S 89^ 58' 43" E

N 89° 52' 9" W
709.63'

PRESENT R.O.W.

113+42.07
79.09'

CONST. EASEMENT

PRESENT R.O.W.

FILL

CUT

10

JACKIE E. GARCIA AND FRANCISCO S. GARCIA

INV. OUT-958.25

STR-3

PT 112+40.33

S 25° 37' 5" W
55.12'

N 36° 9' 24" E
81.23'

S 50° 9' 7" W
60.82'

S 35° 19' 5" W
50.18'

N 56° 40' 59" E
101.22'

20' 52" E
6.73'

PRESENT R.O.W.

N 76° 0' 2" E
378.45'

114+72.80
74.16'

EIP

INDERJIT

KAUR HEER

11

CUT

N 6° 58' 50" W
165.85'

113+07.06
74.57'

112+86.76
14.63'

EIP

CONST. EASEMENT

INV. IN-959.39

STR-4

CUT

FILL

S 7° 18' 17" E
256.67'

110+89.89
21.81'

110+86.45
77.83'

N 83° 1' 10" E
14.90'

110+86.30
62.94'

PC 110+09.83

110

PT 109+47.51

9

SHREE SAI, LLC

N 6^ 47' 34" W

BAXTER ROAD

N 7^ 56' 43" W

PROPOSED R.O.W.

NB TR 32"W
239.85'

N 6^ 59' 58"
234.33'

CUT

110+85.47
18.22'

CONST. EASEMENT

R=6000.00'
340.14'

109+47.71
61.32'

N 2^ 26' 34" W
137.33'

MATCHLINE STA. 109+00 SEE SHT. NO.4A

55+87.15
110.39'

EIP

S 76° 39' 54" W
125.93'

STR-2

56+81.84
83.18'

S 83° 6' 41" W
303.14'

59+07
139.6

N 12° 9' 58" E
46.01'

55+60.51
80.04'

PRESENT R.O.W.

N 12° 51' 18" E
38.95'

55+31.14
56.57'

S 16° 5' 31" W
30.18'

52+72.42
67.35'

53+57.28
56.88'

54+91.37
35.00'

53+92.25
52.16'

55+06.01
39.85'

54+99.68
35.00'

S 49° 50' 3" W
93.98'

54+99.56
40.00'

56+99.81
35.00'

R=345.00'
L=181.81'

R=340.00'
L=133.30'

N 13° 38' 55" W
5.00'

56+99.79
40.00'

58+50.02
34.99'

EIP

R=340.00'
L=60.76'

59+17
32.37

13

RUTH WINFREE AND
CYNTHIA DOWNS

EXISTING DITTY ROAD

PRESENT R.O.W.

R=850.00'
L=133.56'

52+77.67
34.55'

54+05.69
34.83'

S 58° 50' 13" W
192.45'

8

DONNY MEADOWS, DOUGLAS L. STANDIFER
TRUST, AND HERB BAUGH

WTL-1

111+50.53
74.73'

N 6° 58' 50" W
65.02'

110+84.90
74.24'

S 83° 1' 10" W
56.03'

WWC-1

Point	North	East	Elevation	Station	Offset
S11	656013.99	2078416.75	1019.28	107+49.76	17.47 LT
S12	656585.27	2078206.00	979.82	113+42.20	154.78 LT
S13	656609.55	2080778.45	1021.61	0+00.00	Off Chain
S14	656292.88	2081077.99	1037.64	0+00.00	Off Chain

TEMPORARY CONSTRUCTION EASEMENT

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 125108
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE
DATUM ADJUSTED BY THE FACTOR
OF 1.00008 AND TIED TO THE TGRN.
ALL ELEVATIONS ARE REFERENCED
TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

BAXTER RD
STA.109+00 TO STA.115+30.80
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	7B
P.I.H.	2024	71951-3510-04	7B
PS&E	2025	71951-3510-04	7B

REV. 03-24-22
UPDATED STREAM 3 NAME TO MAXWELL BRANCH

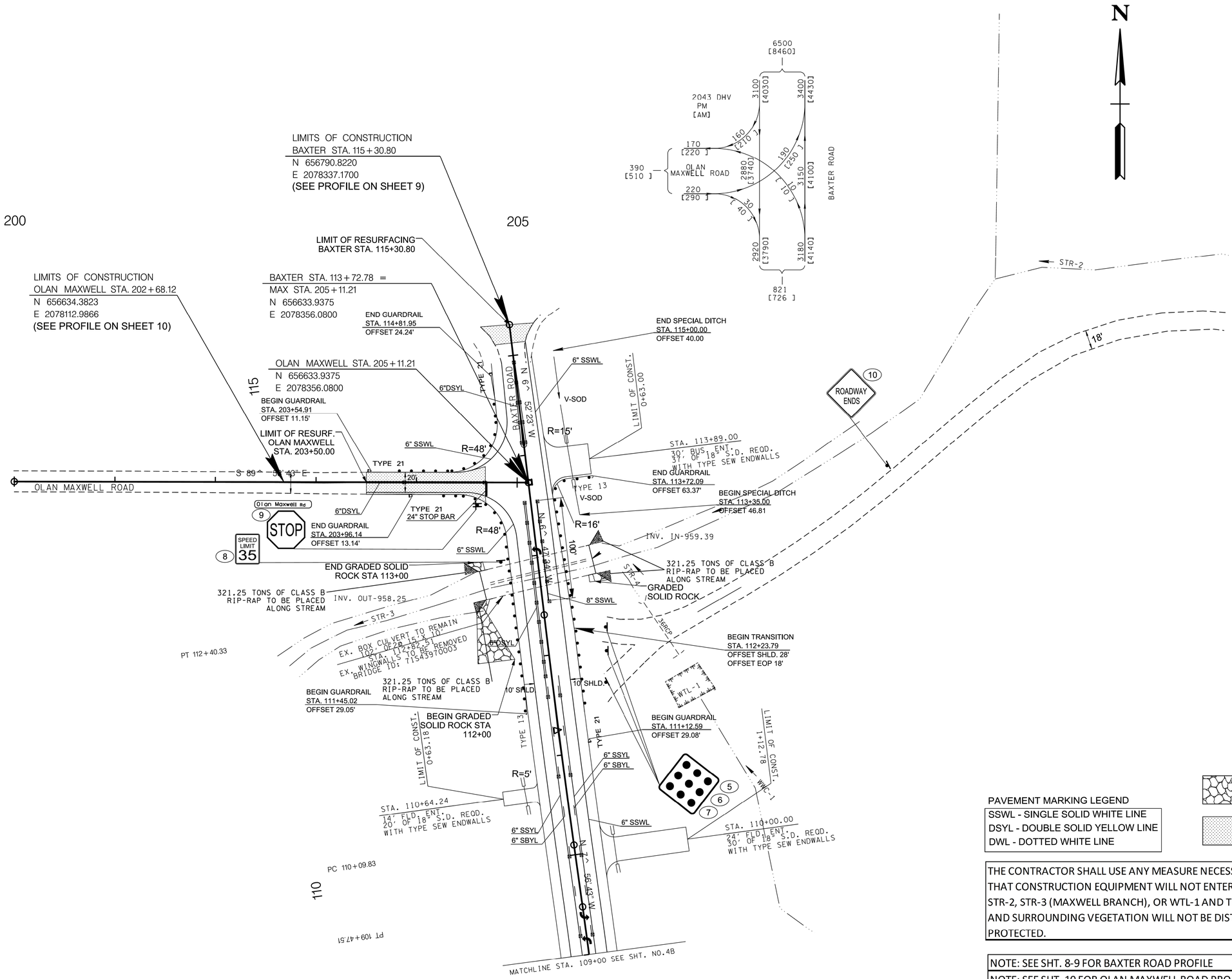
REV. 03-06-23
SPECIAL DITCH ADDED, BUSINESS ENTRANCE ADJUSTED FOR TRACT 11, EXISTING STR-3 CULVERT LABEL ADJUSTED, PROPOSED CULVERT EXTENSION INCREASED, WETLAND IMPACT TABLE REMOVED, RIP-RAP NOTE REMOVED, EXISTING DITTY ROAD NAME CHANGED

REV. 07-07-23
FIELD ENTRANCE AND SIDE DRAIN ADDED TO TRACT 8

REV. 07-10-23
UPDATED LABEL FOR FIELD ENTRANCE ON TRACT 8 AT STA. 110+00

REV. 03-04-24
SPEED LIMIT SIGN ADDED
DRIVEWAY AT STA. 110+00 EXTENDED AND STRIPING UPDATED

R.O.W. REV. 02-05-25
ADDED TO LABELS "SEE PROFILE ON SHEET 9" & "SEE PROFILE ON SHEET 10".
ADDED DIMENSION FOR STORAGE BAY LENGTH ON BAXTER ROAD.
ADDED LABELS FOR LIMITS OF RESURFACING.
ADDED GRADED SOLID ROCK WITH LABELS FROM STA 112+00 TO STA 113+00.
ADDED LEGEND FOR GRADED SOLID ROCK.



PAVEMENT MARKING LEGEND

SSWL - SINGLE SOLID WHITE LINE
DSYL - DOUBLE SOLID YELLOW LINE
DWL - DOTTED WHITE LINE

GRADED SOLID ROCK

RESURFACING

THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF STR-2, STR-3 (MAXWELL BRANCH), OR WTL-1 AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED.

NOTE: SEE SHT. 8-9 FOR BAXTER ROAD PROFILE

NOTE: SEE SHT. 10 FOR OLAN MAXWELL ROAD PROFILE

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
STATE OF TENNESSEE

02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

BAXTER RD
STA.109+00 TO STA.115+30.80
SCALE: 1"= 50'

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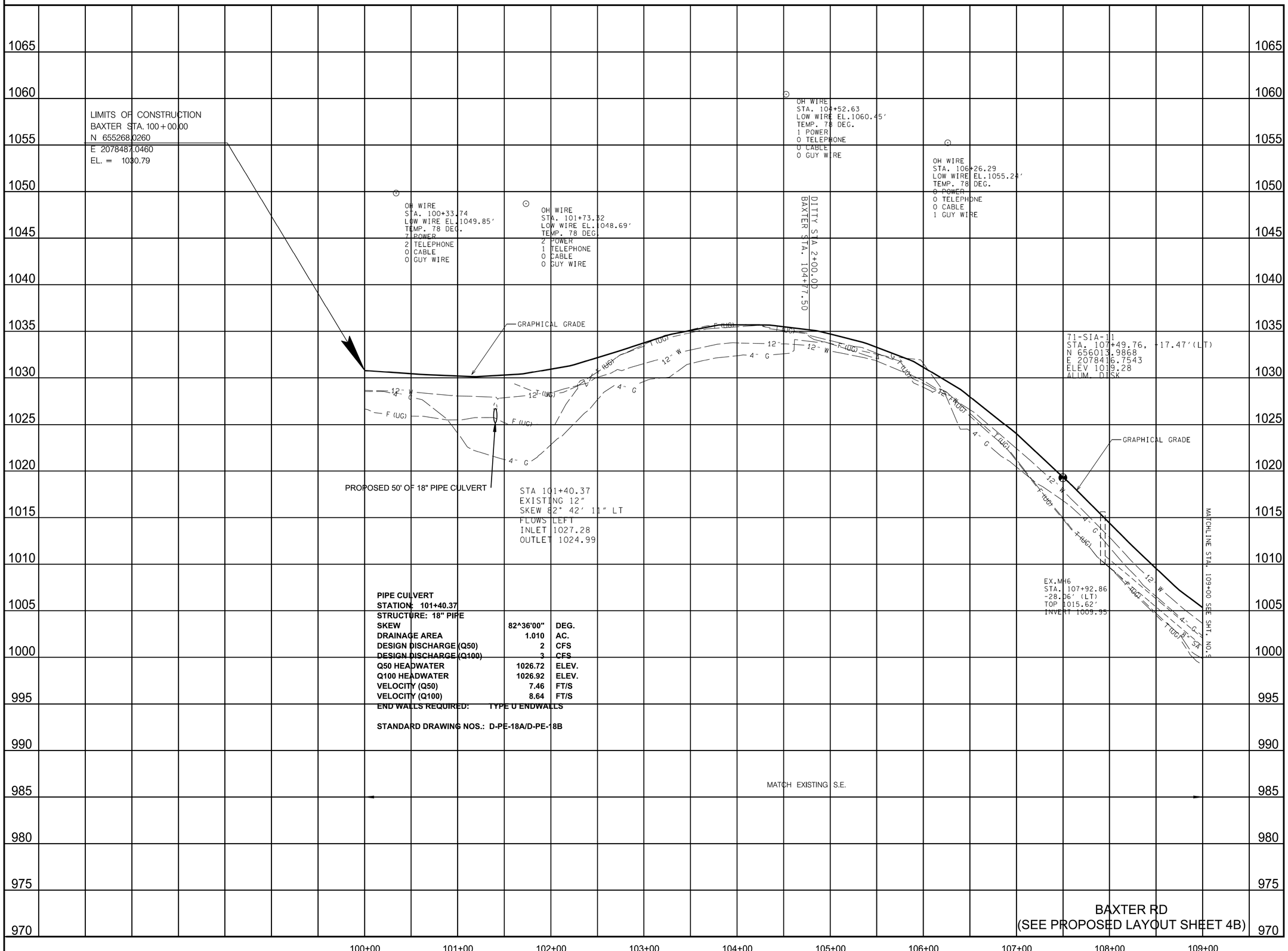
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	8
P.I.H.	2024	71951-3510-04	8
PS&E	2025	71951-3510-04	8

R.O.W. REV. 02-05-25
ADDED ELEVATION TO LIMIT OF CONSTRUCTION LABEL.
REMOVED VERTICAL SIGHT DISTANCE LINES AND DIMENSIONS.
ADDED NOTE "SEE PROPOSED LAYOUT SHEET 4B".



PIPE CULVERT

STATION:	**101+40.37**	
STRUCTURE:	**18" PIPE**	
SKEW	**82^36'00"**	**DEG.**
DRAINAGE AREA	**1.010**	**AC.**
DESIGN DISCHARGE (Q50)	**2**	**CFS**
DESIGN DISCHARGE (Q100)	**3**	**CFS**
Q50 HEADWATER	**1026.72**	**ELEV.**
Q100 HEADWATER	**1026.92**	**ELEV.**
VELOCITY (Q50)	**7.46**	**FT/S**
VELOCITY (Q100)	**8.64**	**FT/S**

END WALLS REQUIRED: TYPE U ENDWALLS

STANDARD DRAWING NOS.: D-PE-18A/D-PE-18B

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AGRICULTURE
COMMERCE
NO. 125102
STATE OF TENNESSEE
02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILE

STA.100+00 TO STA.108+50

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

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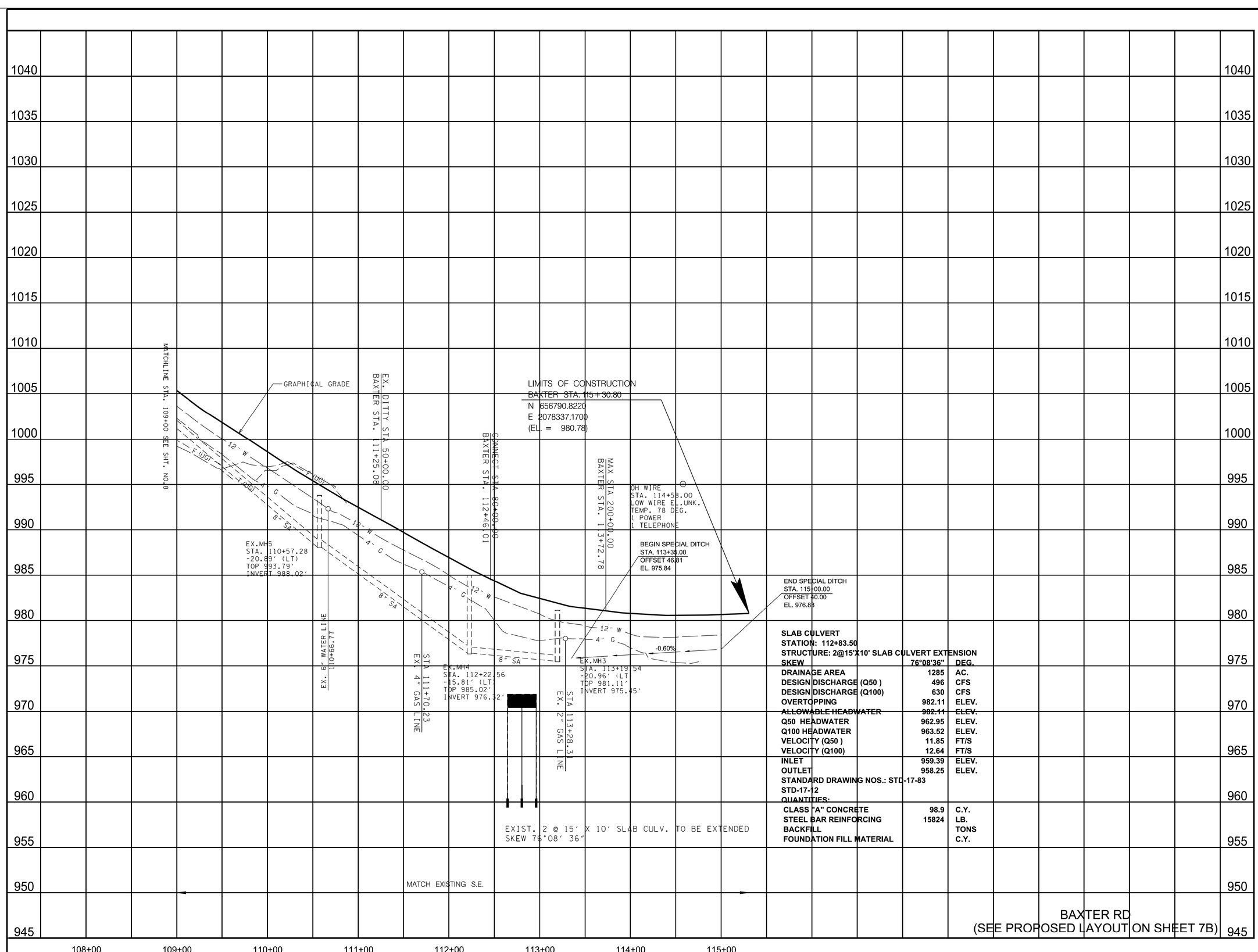
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	9
P.I.H.	2024	71951-3510-04	9
PS&E	2025	71951-3510-04	9

REV. 03-06-23
SPECIAL DITCH ADDED, EXISTING STR-3 CULVERT LABEL AND CULVERT DRAINAGE DATA BLOCK ADJUSTED

R.O.W. REV. 02-05-25
ADDED ELEVATION AT LIMIT OF CONSTRUCTION.
ADDED NOTE "SEE PROPOSED LAYOUT ON SHEET 7B".
ADDED OVERHEAD WIRE AT STA 114+58.



SLAB CULVERT		
STATION: 112+83.50		
STRUCTURE: 2@15'X10' SLAB CULVERT EXTENSION		
SKEW	**76°08'36"**	**DEG.**
DRAINAGE AREA	**1285**	**AC.**
DESIGN DISCHARGE (Q50)	**496**	**CFS**
DESIGN DISCHARGE (Q100)	**630**	**CFS**
OVERTOPPING	**982.11**	**ELEV.**
~~ALLOWABLE HEADWATER~~	**~~982.11~~**	**ELEV.**
Q50 HEADWATER	**962.95**	**ELEV.**
Q100 HEADWATER	**963.52**	**ELEV.**
VELOCITY (Q50)	**11.85**	**FT/S**
VELOCITY (Q100)	**12.64**	**FT/S**
INLET	**959.39**	**ELEV.**
OUTLET	**958.25**	**ELEV.**
STANDARD DRAWING NOS.: STD-17-83		
STD-17-12		
QUANTITIES:		
CLASS 'A' CONCRETE	**98.9**	**C.Y.**
STEEL BAR REINFORCING	**15824**	**LB.**
BACKFILL		**TONS**
FOUNDATION FILL MATERIAL		**C.Y.**

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JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 125170
STATE OF TENNESSEE
02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILE

STA.108+50 TO STA.115+30.80

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

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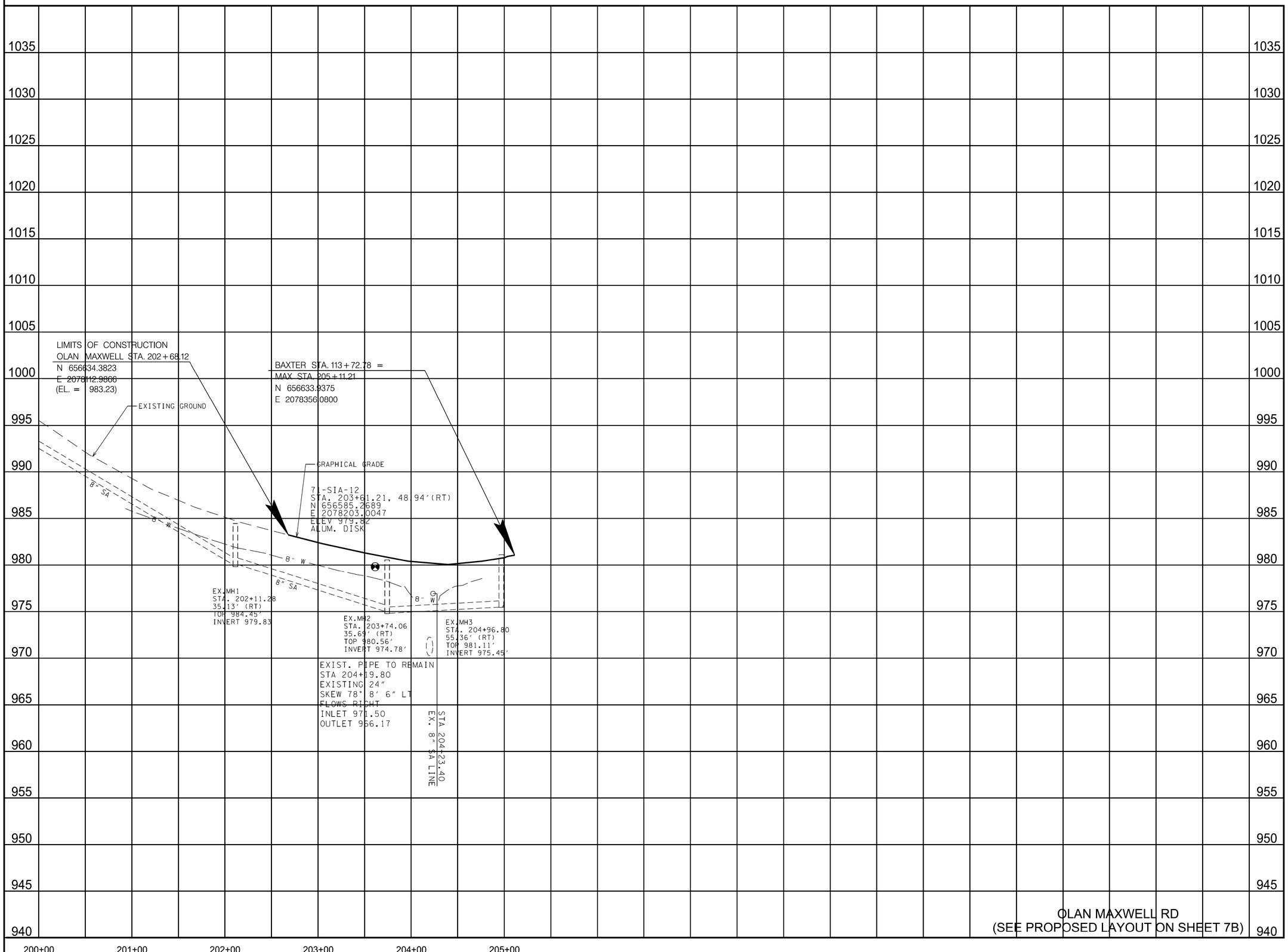
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	10
P.I.H.	2024	71951-3510-04	10
PS&E	2025	71951-3510-04	10

R.O.W. REV. 02-05-25
ADDED ELEVATION TO LIMIT OF CONSTRUCTION LABEL.
ADDED NOTE "SEE PROPOSED LAYOUT ON SHEET 7B".



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COMMERCE
No. 129970
STATE OF TENNESSEE
02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILE

STA.200+00 TO STA.205+11.21

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

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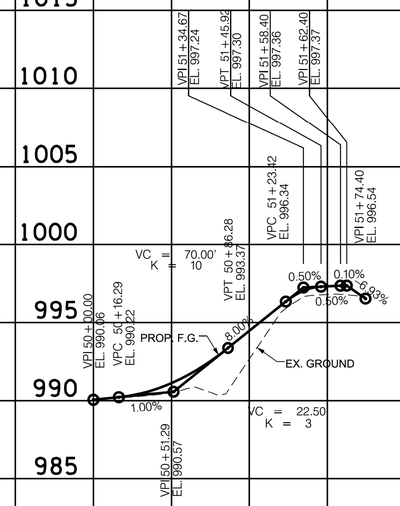
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	11
PS&E	2025	71951-3510-04	11

R.O.W. REV. 02-05-25
ADDED PROFILE OF DITTY ROAD TIE-IN, SHEET 11, TO PLAN SET.



DITTY ROAD TIE-IN

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JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 127158
STATE OF TENNESSEE
02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILE

STA.50+00 TO STA.51+74.40

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

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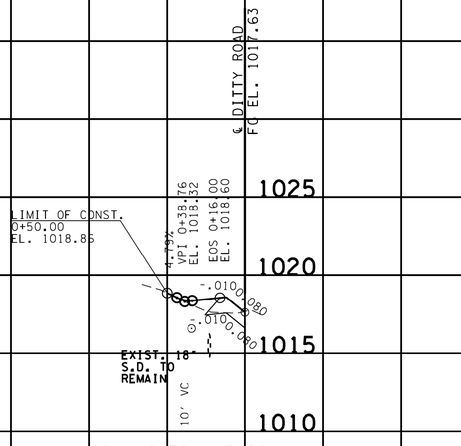
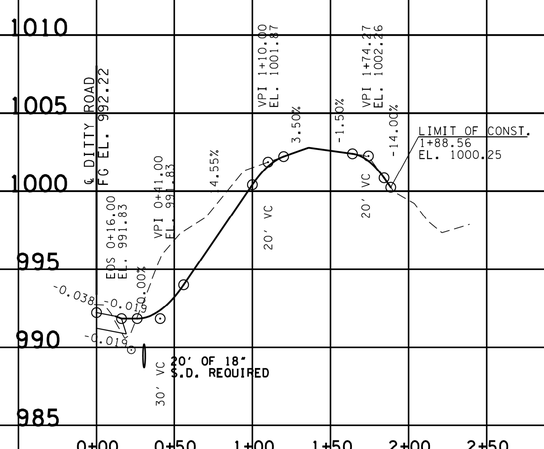
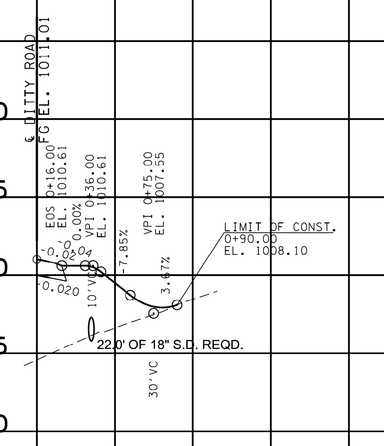


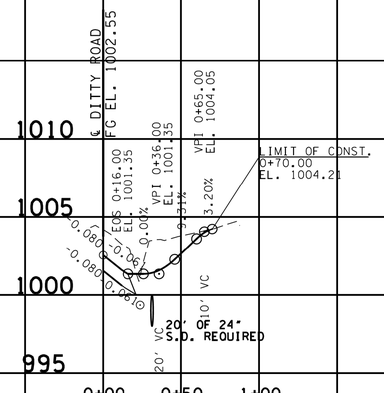
33' PVT. DR. LT.
TRACT NO. 15
DITTY ROAD STA 30+04.00



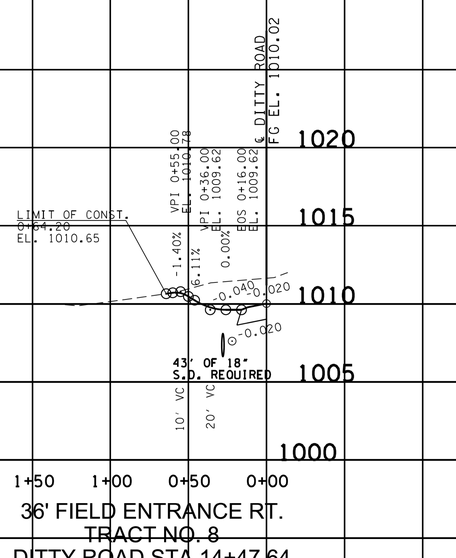
14' PVT. DR. RT.
TRACT NO. 13
DITTY ROAD STA 24+13.14



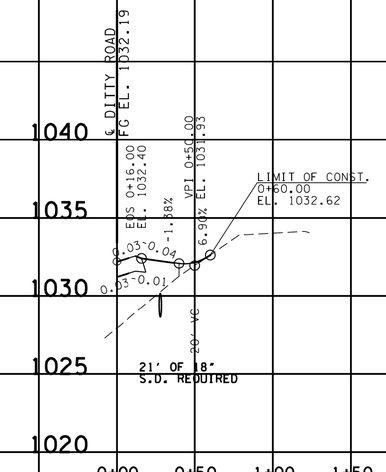
14' PVT. DR. RT.
TRACT NO. 6
DITTY ROAD STA 12+50.00



14' PVT. DR. RT.
TRACT NO. 13
DITTY ROAD STA 27+00.00



36' FIELD ENTRANCE RT.
TRACT NO. 8
DITTY ROAD STA 14+47.64



14' PVT. DR. RT.
TRACT NO. 4
DITTY ROAD STA 6+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	12
P.I.H.	2024	71951-3510-04	12
PS&E	2025	71951-3510-04	12

REV. 03-06-23
PRIVATE DRIVES FOR TRACT 4 AND 6 AT 6+50 AND 12+50 ADDED, PRIVATE DRIVE FOR TRACT 13 AT 30+52 REMOVED

REV. 03-04-24
TRACT 8 FIELD ENTRANCE ADJUSTED

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 11 TO 12.

SEALED BY

02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

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

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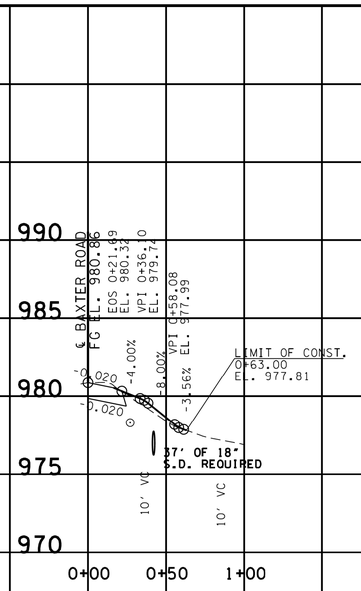
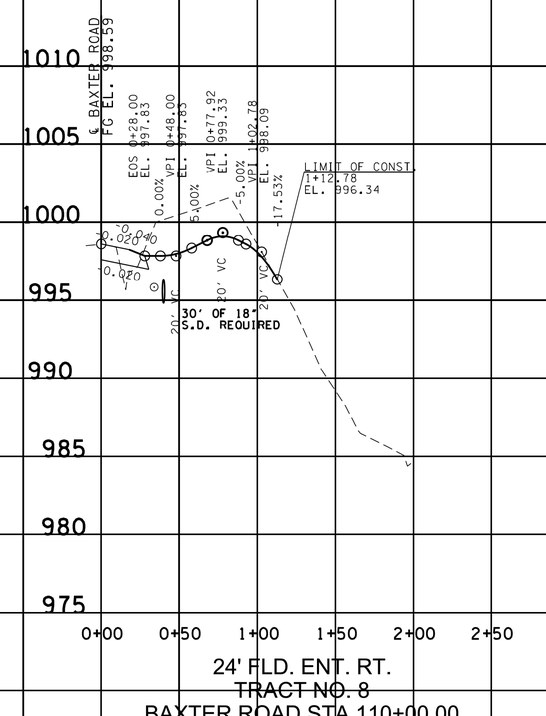
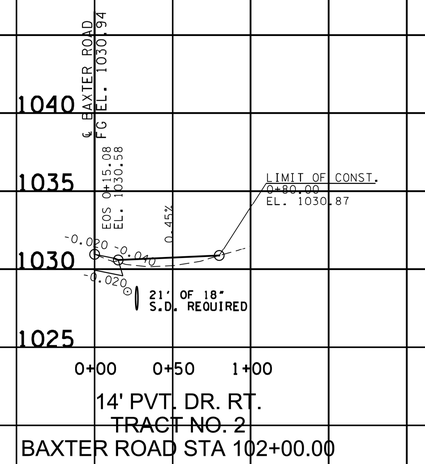


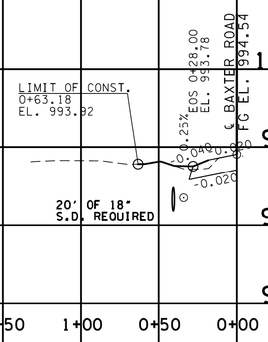
30' BUS. ENT. RT.
TRACT NO. 11
BAXTER ROAD STA 113+89.00



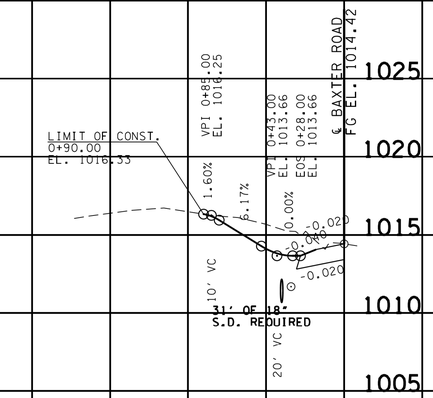
24' FLD. ENT. RT.
TRACT NO. 8
BAXTER ROAD STA 110+00.00



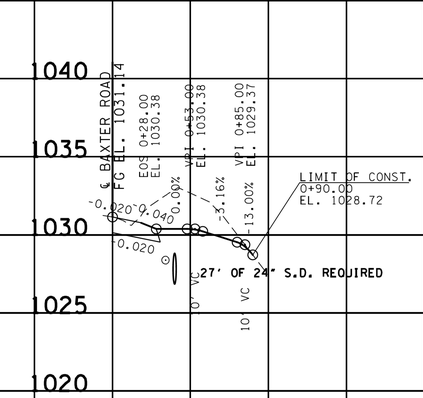
14' PVT. DR. RT.
TRACT NO. 2
BAXTER ROAD STA 102+00.00



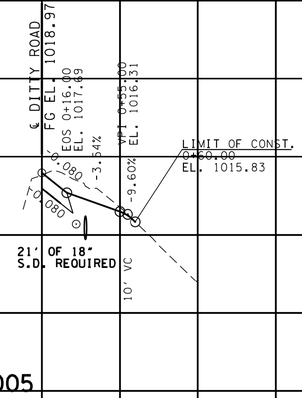
14' FLD. ENT. LT.
TRACT NO. 9
BAXTER ROAD STA 110+64.24



24' FLD. ENT. LT.
TRACT NO. 7
BAXTER ROAD STA 108+00.00



20' FLD. ENT. RT.
TRACT NO. 6
BAXTER ROAD STA 106+00.00



14' PVT. DR. RT.
TRACT NO. 13
DITTY ROAD STA 30+52.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	13
P.I.H.	2024	71951-3510-04	13
PS&E	2025	71951-3510-04	13

REV. 03-06-23
PRIVATE DRIVE FOR TRACT 13 AT 30+52 ADDED

REV. 03-30-23
TRACT 6 FIELD ENTRANCE AT 106+00 UPDATED FROM 14 FT. TO 20 FT.

REV. 07-07-23
TRACT 8 FIELD ENTRANCE AT STA. 110+00 ADDED

REV. 07-10-23
UPDATED LABEL FOR FIELD ENTRANCE ON TRACT 8 AT STA. 110+00

REV. 03-04-24
FIELD ENTRANCE ADDED TO TRACT 7 AT STA. 108+00.00

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 12 TO 13.

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02-20-2025

COORDINATES ARE NAD 83(2011). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	14
P.I.H.	2024	71951-3510-04	14
PS&E	2025	71951-3510-04	14

REV. 03-24-22
UPDATED STREAM 3 NAME
TO MAXWELL BRANCH

REV. 03-06-23
EXISTING STR-3 CULVERT LABEL
ADJUSTED, PROPOSED STR-3
EXTENSIONS INCREASED ON
BAXTER ROAD AT 112+82.51,
WWC-1/EPH-1 CHANGED TO
WWC-1, EXISTING DITTY ROAD
NAME CHANGED

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 13 TO 14.
UPDATED MATCHLINES.

LIMITS OF CONSTRUCTION
BAXTER STA. 115+30.80
N 656790.8220
E 2078337.1700

LIMITS OF CONSTRUCTION
OLAN MAXWELL STA. 202+68.12
N 656634.3283
E 20778112.9866

PROPOSED EXTENSION
OF 2.68'

BEGIN STR-3 IMPACT
STA. 112+85.80

EXISTING PIPE
TO REMAIN
INV. IN-971.50
INV. OUT-966.17

S 89° 58' 43" E

OLAN MAXWELL ROAD

PROPOSED EXTENSION
OF 6.69'

END STR-3 IMPACT
STA. 112+69.43

EX. BOX CULVERT
STA. 112+82.51

BAXTER STA. 108+72.78 =
MAX STA. 205+11.21
N 656633.9375
E 2078356.9300

EXISTING PIPE
TO BE REMOVED

EXISTING DITCH
TO BE REMOVED

EXISTING DITCH
TO BE REMOVED

EXISTING PIPE
TO BE REMOVED

INV. IN-980.38
INV. OUT-979.47

INV. IN-980.28
INV. OUT-980.18

INV. IN-977.84

INV. IN-973.74

INV. OUT-973.64

INV. IN-973.54

INV. OUT-973.44

INV. IN-973.34

INV. OUT-973.24

INV. IN-973.14

INV. OUT-973.04

INV. IN-972.94

INV. OUT-972.84

INV. IN-972.74

INV. OUT-972.64

INV. IN-972.54

INV. OUT-972.44

INV. IN-972.34

INV. OUT-972.24

INV. IN-972.14

INV. OUT-972.04

INV. IN-971.94

INV. OUT-971.84

INV.

LIMITS OF CONSTRUCTION
EX. DITTY TIE IN STA. 50+00.00
N 656643.7885
E 2079511.7874

DITTY STA. 19+75.00 =
EX. DITTY TIE IN STA. 51+74.40
N 656544.4326
E 2079642.0792

END PROJ. NO. 71951-2510-04
STA. 37+43.95 ROW.
N 656222.6286
E 2081112.2698

END PROJ. NO. 71951-3510-04
STA. 38+14.49 CONST.
N 656170.1254
E 2081160.1456

MATCHLINE STA. 18+00 SEE SHT. NO. 14

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	15
P.I.H.	2024	71951-3510-04	15
PS&E	2025	71951-3510-04	15

REV. 03-06-23
STR-1 CULVERT ON DITTY ROAD AT 22+82.39 CHANGED TO SLAB CULVERT, WWC-2/EPH-2 AND WWC-3/EPH-3 CHANGED TO WWC-2/EPH-1 AND WWC-3/EPH-2, EXISTING DITTY ROAD NAME CHANGED

REV. 08-15-24
AT STA. 22+82.39 CHANGED SLAB CULVERT TO BOX CULVERT, INCREASED LENGTH FROM 45' TO 46', AND ADDED 0.8' EMBEDMENT. CORRECTED INVERTS. DELETED VOIDED PROPOSED CROSS DRAIN, ENDWALLS, AND APRON BETWEEN STA. 22+00 AND STA. 23+00.

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 14 TO 15.
UPDATED MATCHLINES.

1284.712 ACRES
2.923 ACRES
38.946 ACRES
23.824 ACRES
20.408 ACRES
14.235 ACRES
1.010 ACRES
1.101 ACRES

N.T.S.

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JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 129716
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 18+00 TO STA. 38+14.49
SCALE: 1"=100'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	71951-2510-04	16
P.I.H.	2024	71951-2510-04	16
PS&E	2025	71951-2510-04	16

REV. 03-06-23
RIP-RAP ADJUSTED, RIP-RAP DIMENSIONS ADDED, CROSS SECTION 9+63.63 EXISTING GROUND LINE EXTENDED

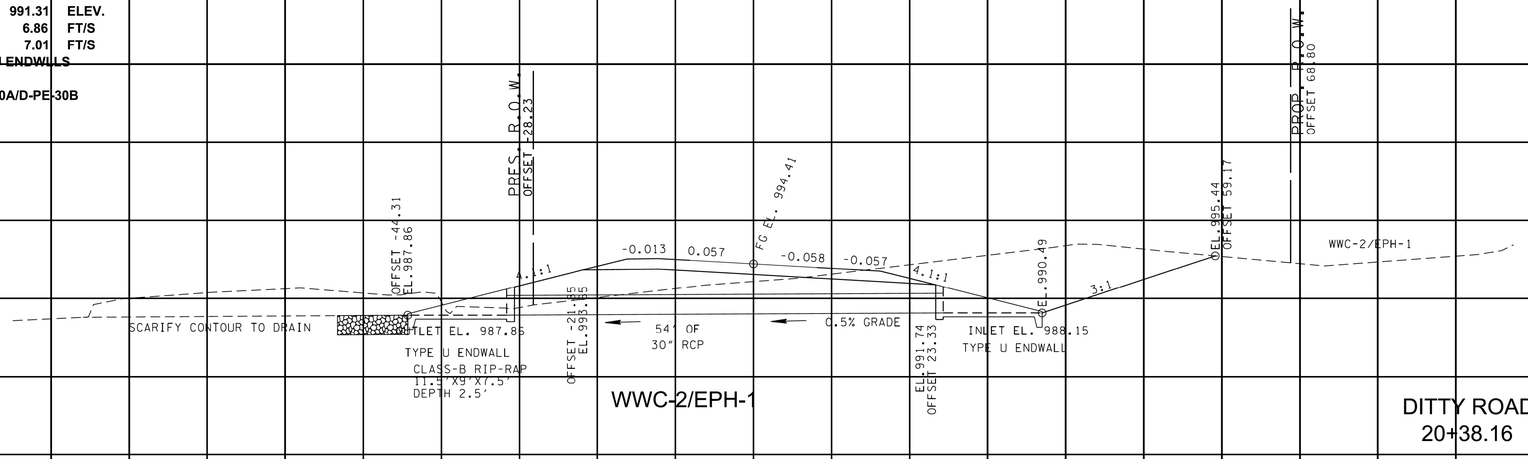
R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 15 TO 16.

PIPE CULVERT
STATION: 20+38.16
STRUCTURE: 30" PIPE

SKEW	80^51'15"	DEG.
DRAINAGE AREA	14.235	AC.
DESIGN DISCHARGE (Q50)	28	CFS
DESIGN DISCHARGE (Q100)	29	CFS
Q50 HEADWATER	991.24	ELEV.
Q100 HEADWATER	991.31	ELEV.
VELOCITY (Q50)	6.86	FT/S
VELOCITY (Q100)	7.01	FT/S

END WALLS REQUIRED: TYPE U ENDWALLS

STANDARD DRAWING NOS.: D-PE-30A/D-PE-30B



WWC-2/EPH-1

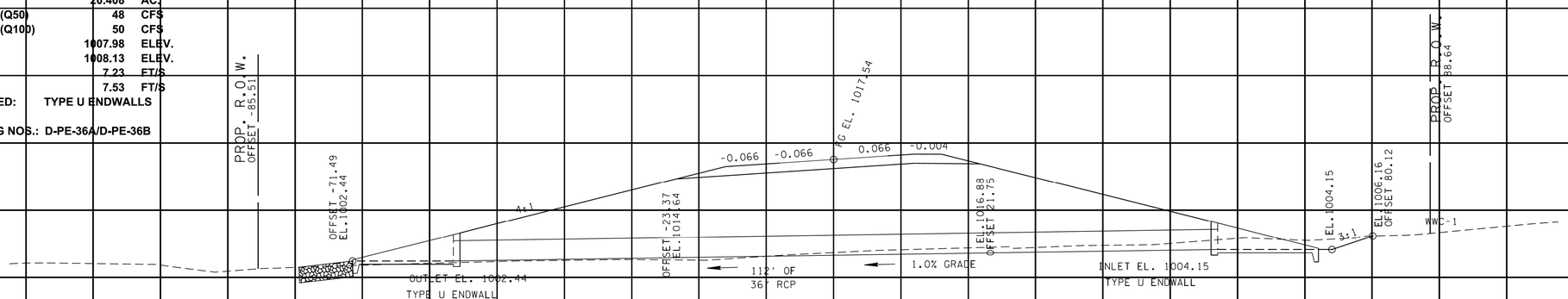
DITTY ROAD
20+38.16

PIPE CULVERT
STATION: 9+63.63
STRUCTURE: 36" PIPE

SKEW	87^26'40"	DEG.
DRAINAGE AREA	20.408	AC.
DESIGN DISCHARGE (Q50)	48	CFS
DESIGN DISCHARGE (Q100)	50	CFS
Q50 HEADWATER	1007.98	ELEV.
Q100 HEADWATER	1008.13	ELEV.
VELOCITY (Q50)	7.23	FT/S
VELOCITY (Q100)	7.53	FT/S

END WALLS REQUIRED: TYPE U ENDWALLS

STANDARD DRAWING NOS.: D-PE-36A/D-PE-36B



WWC-1

DITTY ROAD
9+63.63

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

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STATE OF TENNESSEE

02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA. 9+63.63 TO STA. 20+38.16

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	71951-2510-04	17
P.I.H.	2024	71951-2510-04	17
PS&E	2025	71951-2510-04	17

REV. 03-06-23
24" RCP CHANGED TO SLAB CULVERT AND DRAINAGE DATA BLOCK ADUSTED AT CROSS-SECTION FOR STATION 22+82.39

REV. 08-15-24
AT STA. 22+82.39 CHANGED FROM SLAB CULVERT TO BOX CULVERT. INCREASED LENGTH FROM 45' TO 46'. ADDED 0.8' EMBEDMENT AND SKEW ANGLE. CORRECTED INVERT ELEVATIONS. UPDATED HYDRAULIC DATA AND QUANTITIES.

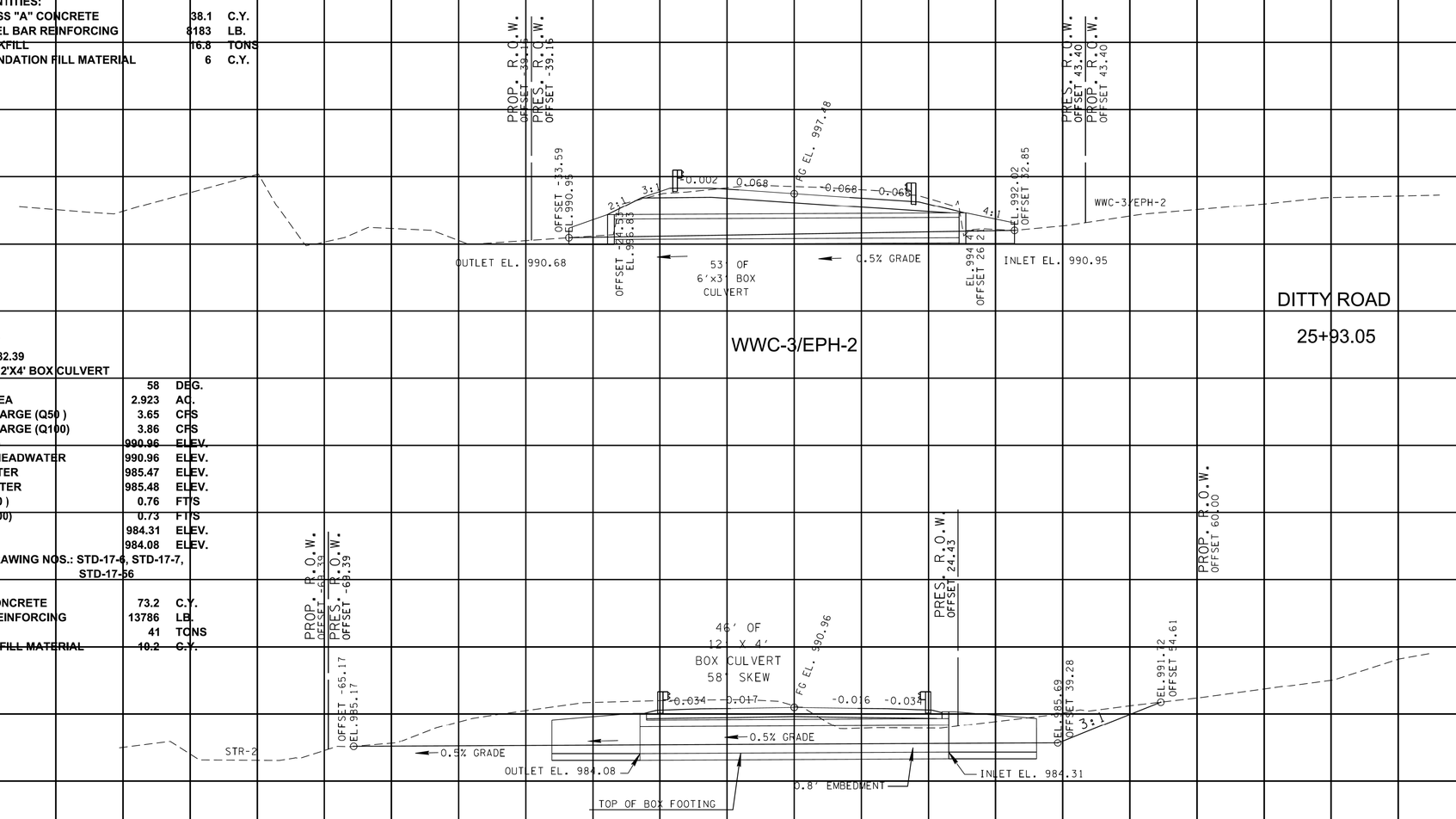
R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 16 TO 17.

BOX CULVERT
STATION: 25+93.05
STRUCTURE: 6'X3' BOX CULVERT

SKEW	76°31'48"	DEG.
DRAINAGE AREA	23.824	AC.
DESIGN DISCHARGE (Q50)	52	CFS
DESIGN DISCHARGE (Q100)	58	CFS
OVERTOPPING	995.27	ELEV.
ALLOWABLE HEADWATER	995.27	ELEV.
Q50 HEADWATER	994.44	ELEV.
Q100 HEADWATER	994.69	ELEV.
VELOCITY (Q50)	6.54	FT/S
VELOCITY (Q100)	6.79	FT/S
INLET	990.95	ELEV.
OUTLET	990.68	ELEV.

STANDARD DRAWING NOS.: STD-17-51
STD-17-12
QUANTITIES:

CLASS "A" CONCRETE	38.1	C.Y.
STEEL BAR REINFORCING	8183	LB.
BACKFILL	16.8	TONS
FOUNDATION FILL MATERIAL	6	C.Y.



BOX CULVERT
STATION: 22+82.39
STRUCTURE: 12'X4' BOX CULVERT

SKEW	58	DEG.
DRAINAGE AREA	2.923	AC.
DESIGN DISCHARGE (Q50)	3.65	CFS
DESIGN DISCHARGE (Q100)	3.86	CFS
OVERTOPPING	990.96	ELEV.
ALLOWABLE HEADWATER	990.96	ELEV.
Q50 HEADWATER	985.47	ELEV.
Q100 HEADWATER	985.48	ELEV.
VELOCITY (Q50)	0.76	FT/S
VELOCITY (Q100)	0.73	FT/S
INLET	984.31	ELEV.
OUTLET	984.08	ELEV.

STANDARD DRAWING NOS.: STD-17-6, STD-17-7, STD-17-56
QUANTITIES:

CLASS "A" CONCRETE	73.2	C.Y.
STEEL BAR REINFORCING	13786	LB.
BACKFILL	41	TONS
FOUNDATION FILL MATERIAL	10.2	C.Y.

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

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STATE OF TENNESSEE
02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA. 22+70.00 TO STA. 25+93.05

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	71951-2510-04	18
P.I.H.	2024	71951-3510-04	18
PS&E	2025	71951-3510-04	18

REV. 03-06-23
EXISTING CULVERT LABEL ADJUSTED AND PROPOSED EXTENSION INCREASED AT CROSS-SECTION 112+82.51

REV. 02-05-25
UPDATED SLAB CULVERT STRUCTURE INFO FOR STRUCTURE AT STA. 112+82.51.

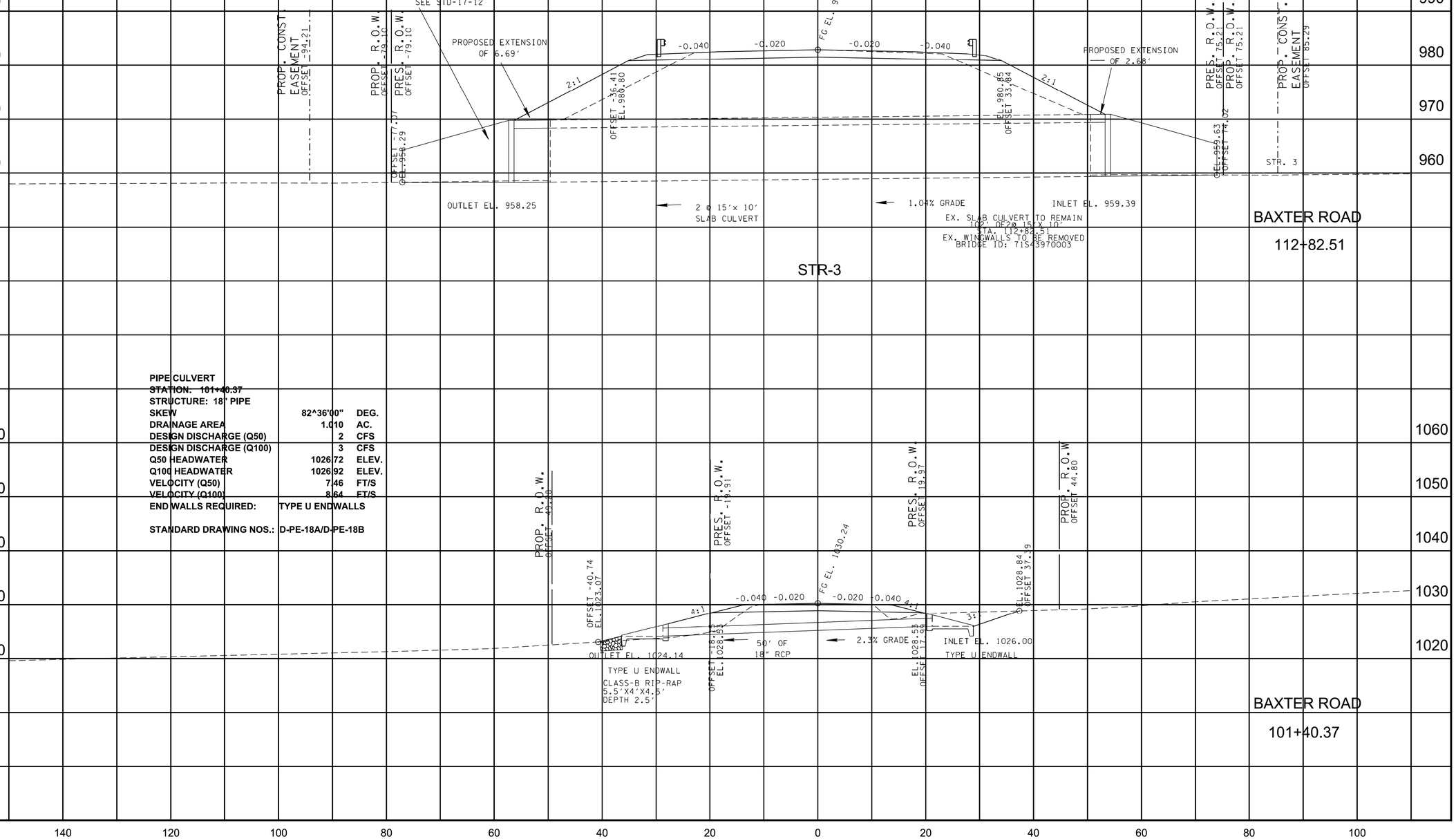
R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 17 TO 18.
UPDATED SLAB CULVERT STRUCTURE INFORMATION FOR STRUCTURE AT STA 112+82.51.

SLAB CULVERT
STATION: 112+82.51
STRUCTURE: 2@15'X10' SLAB CULVERT

SKEW	76°08'36"	DEG.
DRAINAGE AREA	1285	AC.
DESIGN DISCHARGE (Q50)	496	CFS
DESIGN DISCHARGE (Q100)	630	CFS
OVERTOPPING	982.11	ELEV.
ALLOWABLE HEADWATER	982.11	ELEV.
Q50 HEADWATER	962.95	ELEV.
Q100 HEADWATER	963.52	ELEV.
VELOCITY (Q50)	11.85	FT/S
VELOCITY (Q100)	12.64	FT/S
INLET	959.63	ELEV.
OUTLET	958.25	ELEV.

STANDARD DRAWING NOS.: STD-17-143
STD-17-12
QUANTITIES:

CLASS "A" CONCRETE	71	C.Y.
STEEL BAR REINFORCING	16908	LBS.
BACKFILL	249	TONS



PIPE CULVERT
STATION: 101+40.37
STRUCTURE: 18" PIPE

SKEW	82^36'00"	DEG.
DRAINAGE AREA	1.010	AC.
DESIGN DISCHARGE (Q50)	2	CFS
DESIGN DISCHARGE (Q100)	3	CFS
Q50 HEADWATER	1026.72	ELEV.
Q100 HEADWATER	1026.92	ELEV.
VELOCITY (Q50)	7.46	FT/S
VELOCITY (Q100)	8.64	FT/S

END WALLS REQUIRED: TYPE U ENDWALLS

STANDARD DRAWING NOS.: D-PE-18A/D-PE-18B

SEALED BY

JOSEPH H. BURCHFIELD IV
REGISTERED ENGINEER
AGRICULTURE
No. 127165
COMMISSION
STATE OF TENNESSEE
02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA. 101+40.37 TO STA. 112+83.54

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

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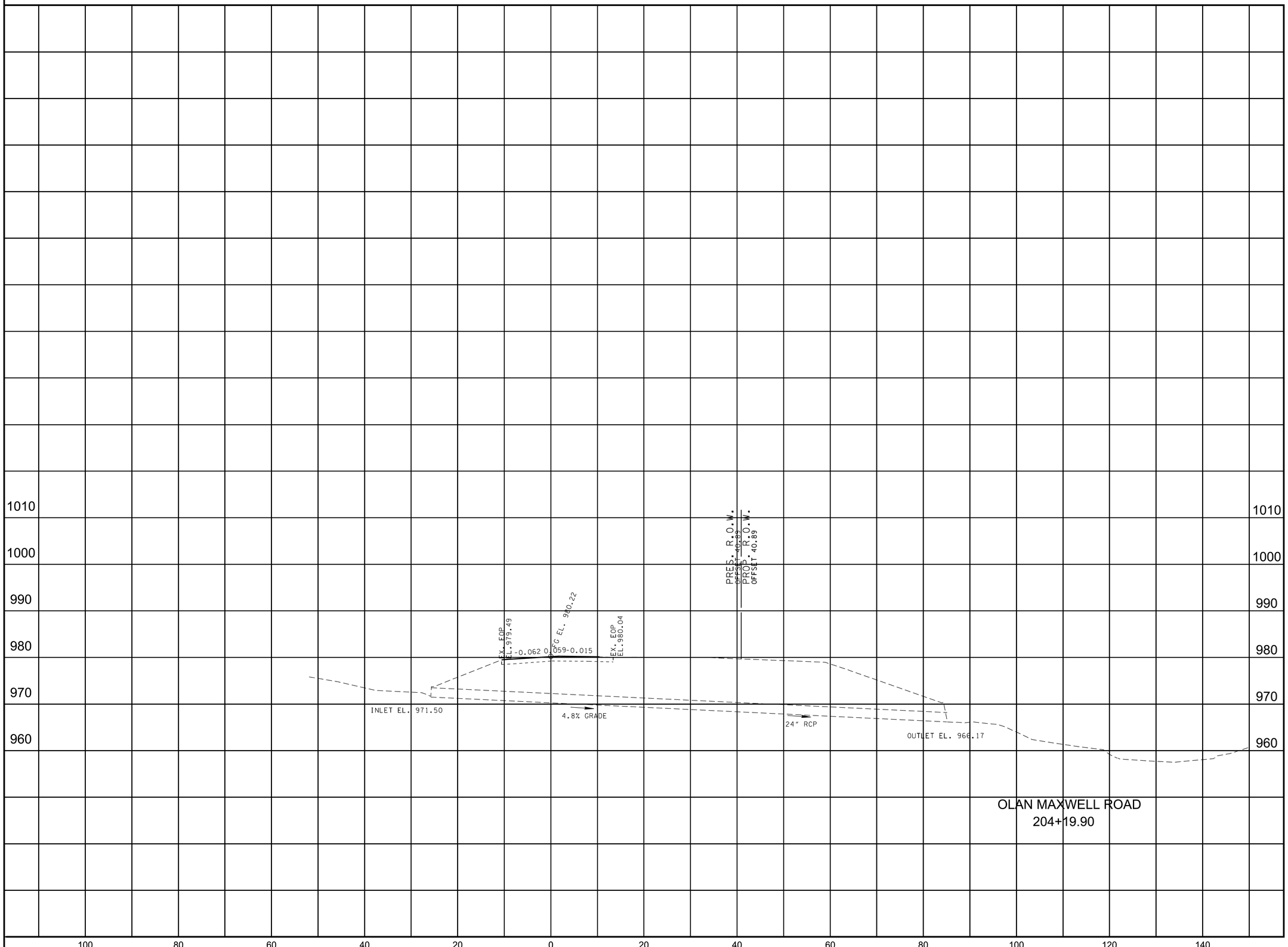
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	71951-2510-04	19
P.I.H.	2024	71951-3510-04	19
PS&E	2025	71951-3510-04	19

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 18 TO 19.



OLAN MAXWELL ROAD
204+19.90

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JOSEPH H. BURCHFIELD
REGISTERED ENGINEER IN AGRICULTURE
NO. 127165
STATE OF TENNESSEE
02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA. 204+19.90

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

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EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

INSPECTION, MAINTENANCE & REPAIR

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

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

(12) 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.

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

(14) 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.

(15) 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.

(16) 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.

(17) 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.

(18) 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.

(19) 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.

(20) 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.

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

(22) 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.

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

STREAMS, WETLANDS & BUFFER ZONES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	20
P.I.H.	2024	71951-3510-04	20
PS&E	2025	71951-3510-04	20

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 19 TO 20.

SEALED BY

JOSEPH H. BURKHEAD REGISTERED ENGINEER AGRICULTURE COMMERCE 127 STATE OF TENNESSEE

02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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TABULATED EPSC QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 71951-3510-04
(1)(2)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	545
(1)	209-03.21	FILTER SOCK (12 INCH)	L.F.	300
(1)(3)	209-05	SEDIMENT REMOVAL	C.Y.	304
(1)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	8243
(1)	209-08.07	ROCK CHECK DAM	EACH	145
(1)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	41
(1)	209-09.03	SEDIMENT FILTER BAG (15' X 15')	EACH	4
(1)	209-65.04	TEMPORARY IN STREAM DIVERSION	L.F.	240
(1)(4)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	84
(1)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	2585
(1)(5)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	100
(1)(5)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	315
(1)(6)(7)(8)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	1502
(1)	740-11.03	TEMPORARY SEDIMENT TUBE 18IN	L.F.	2389
(1)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	88
(1)	801-03	WATER (SEEDING & SODDING)	M.G.	7
(1)(9)	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	50

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
✳ SFB✳ SFB✳ SFB✳	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
✳✳SOCK 12"✳✳SOCK 12"✳✳	12 INCH FILTER SOCK	EC-STR-8
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
IN DIV	INSTREAM DIVERSION	EC-STR-30 EC-STR-30A
	EROSION CONTROL BLANKET	EC-STR-34
✳✳TUBE 18"✳✳TUBE 18"✳✳	18 INCH SEDIMENT TUBE	EC-STR-37
✳ HVF ✳ HVF ✳	HIGH VISIBILITY FENCE	S-F-1

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	21
P.I.H.	2024	71951-3510-04	21
PS&E	2025	71951-3510-04	21

REV. 03-06-23
EPSC STAGE NOTES ADJUSTED

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 20 TO 21.
UPDATED TABULATED EPSC QUANTITIES, FOOTNOTES, STAGE NOTES, AND EPSC LEGEND.

REV. 05-29-25
UPDATED FOOTNOTES.

FOOTNOTES

(1) SEE SECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE AND REPLACEMENT. ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER
(2) INCLUDES 499 C.Y. TO BE USED FOR CULVERT PROTECTION (TYPE 1). INCLUDES 46 CY.Y FOR TEMPORARY CONSTRUCTION EXITS.
(3) INCLUDES 69 C.Y. FOR SEDIMENT FILTER BAGS.
(4) INCLUDES 38 TONS TO BE USED FOR CULVERT PROTECTION (TYPE 1) AND 46 TONS TO BE USED FOR SEDIMENT FILTER BAGS.
(5) TO BE USED FOR TEMPORARY CONSTRUCTION EXITS
(6) INCLUDES 172 S.Y. FOR TEMPORARY CONSTRUCTION EXITS
(7) INCLUDES 998 S.Y. FOR CULVERT PROTECTION (TYPE 1)
(8) INCLUDES 332 S.Y. FOR SEDIMENT FILTER BAGS.
(9) SHALL NOT CONTAIN MONOFILAMENT NETTING

STAGE 1
1. PLACE EPSC MEASURES AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
2. BUILD IN WORK ZONE
3. CONSTRUCT TEMPORARY WIDENING ON LT BAXTER RD
4. AREA SURROUNDING STR-4 WILL HAVE CLEARING WITHOUT GRUBBING
5. MAINTAIN EPSC MEASURES

STAGE 2
1. MAINTAIN EPSC MEASURES FROM PREVIOUS STAGE AS NEEDED
2. PLACE ADDITIONAL EPSC MEASURES AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
3. PLACE ESPC TO PROTECT STREAMS AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
4. BUILD IN WORK ZONE
5. CONSTRUCT PERMANENT PAVEMENT ON RT BAXTER RD AND ENTIRETY OF DITTY RD
6. MAINTAIN EPSC MEASURES

STAGE 3
1. CONTINUE MAINTAINING EPSC MEASURES AS NEEDED
2. COMPLETE FINAL STABILIZATION
3. COMPLETE FINAL RESURFACING
4. REMOVE EPSC MEASURES

SEALED BY

JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 122745 STATE OF TENNESSEE

05-29-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) LEGEND & TABULATION

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	22
P.I.H.	2024	71951-3510-04	22
PS&E	2025	71951-3510-04	22

REV. 03-06-23
SLOPE LINES, ROW LINES, AND EASEMENT LINES ADJUSTED.
WWC-1/EPH-1 CHANGED TO WWC-1

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 21 TO 22.

MATCHLINE BAXTER RD. STA. 109+00 SEE SHT. NO.22C

MATCHLINE STA. 13+00 SEE SHT. NO.22A

BEGIN PROJ. NO. 71951-2510-04
STA. 5+72.97 ROW.
N 655749.8244
E 2078529.9272

BAXTER STA. 104+77.50
DITTY STA. 5+00.00
N 655744.5890
E 2078457.1453

BEGIN PROJ. NO. 71951-3510-04
STA. 5+10.55 CONST.
N 655745.3463
E 2078467.6730

LIMITS OF CONSTRUCTION
BAXTER STA. 100+00.00
N 655268.0260
E 2078487.0460
(SEE PROFILE ON SHEET 18)

BAXTER ROAD
DITTY ROAD
PROPOSED R.O.W.
CONST. EASEMENT
OUT - 1
OUT - 2
OUT - 3
WWC-1
N 85° 53' 08" E
PC 9+48.31
PT 10+49.28
PC 104+77.50
INV. IN-1029.19
INV. OUT-1028.98
INV. OUT-1027.98
INV. IN-1027.69
INV. OUT-1027.69
INV. IN-1027.28
INV. OUT-1024.94
INV. OUT-1023.64

Outfall Inventory		
Outfall	Drainage Area	Slope
1	0.09	3.31%
2	0.28	6.35%
3	1.96	1.87%

STAGE 1
1. PLACE EPSC MEASURES AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
2. BUILD IN WORK ZONE
3. CONSTRUCT TEMPORARY WIDENING ON LT BAXTER RD
4. AREA SURROUNDING STR-4 WILL HAVE CLEARING WITHOUT GRUBBING
5. MAINTAIN EPSC MEASURES

SEALED BY

JOSEPH A. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 127169
STATE OF TENNESSEE
2-04-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 5+00 TO STA. 13+00
SCALE: 1"= 50'

STAGE-1
CLEARING AND GRUBBING

EXISTING 2' CONTOURS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	22A
P.I.H.	2024	71951-3510-04	22A
PS&E	2025	71951-3510-04	22A

REV. 09-09-22
UPDATED EXISTING ROW LINES, PROPOSED ROW LINES AND LABELS, AND EASEMENTS FOR TRACTS 12 AND 13

REV. 03-06-23
SLOPE LINES, ROW LINES AND EASEMENT LINES ADJUSTED. WWC-2/EPH-2 AND WWC-3/EPH-3 CHANGED TO WWC-2/EPH-1 AND WWC-3/EPH-2, EXISTING DITTY ROAD NAME CHANGED, OUTFALL LABELS ADJUSTED

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 21A TO 22A.
UPDATED MATCHLINES.

LIMITS OF CONSTRUCTION
DITTY TIE IN STA. 50+00.00
(SEE SHEET 11 FOR PROFILE)
N 656643.7885
E 2079511.7874

DITTY STA. 19+75.00 =
DITTY TIE IN STA. 51+74.40
N 656544.4326
E 2079642.0792

PROPOSED DITTY ROAD

PRESENT R.O.W.

PROPOSED R.O.W.

SLOPE ESM'T

CONST. ESM'T

MATCHLINE STA. 26+00
SEE SHT. NO.22B

MATCHLINE STA. 13+00 SEE SHT. NO.22

Outfall Inventory		
Outfall	Drainage Area	Slope
4	1.22	5.53%
5	2.41	3.22%
6	1.01	5.90%
7	1.91	1.94%

STAGE 1
1. PLACE EPSC MEASURES AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
2. BUILD IN WORK ZONE
3. CONSTRUCT TEMPORARY WIDENING ON LT BAXTER RD
4. AREA SURROUNDING STR-4 WILL HAVE CLEARING WITHOUT GRUBBING
5. MAINTAIN EPSC MEASURES

STAGE-1
CLEARING AND
GRUBBING

EXISTING 2' CONTOURS

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 132106
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 13+00 TO STA. 26+00

SCALE: 1"= 50'

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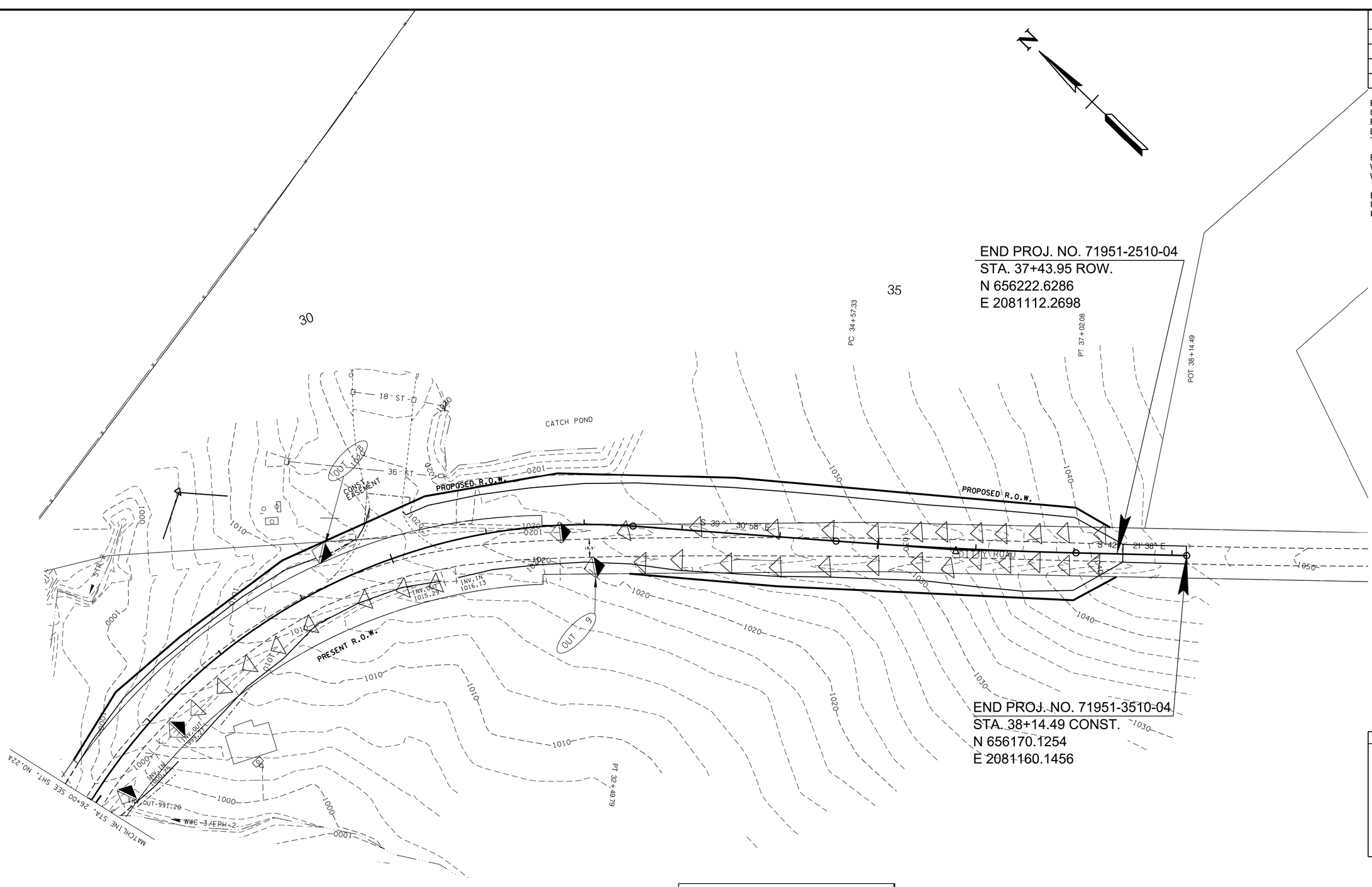
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	22B
P.I.H.	2024	71951-3510-04	22B
PS&E	2025	71951-3510-04	22B

REV. 09-09-22
UPDATED EXISTING ROW LINES, PROPOSED ROW LINES AND LABELS, AND EASEMENTS FOR TRACTS 12, 13, AND 14

REV. 03-06-23
WWC-3/EPH-3 CHANGED TO WWC-3/EPH-2

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 21B TO 22B.
UPDATED MATCHLINE.



STAGE 1

1. PLACE EPSC MEASURES AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
2. BUILD IN WORK ZONE
3. CONSTRUCT TEMPORARY WIDENING ON LT BAXTER RD
4. AREA SURROUNDING STR-4 WILL HAVE CLEARING WITHOUT GRUBBING
5. MAINTAIN EPSC MEASURES

Outfall Inventory		
Outfall	Drainage Area	Slope
8	0.93	2.96%
9	0.49	3.95%

STAGE-1
CLEARING AND GRUBBING

EXISTING 2' CONTOURS

SEALED BY

JOSEPH M. BLANCHARD
REGISTERED ENGINEER
AGRICULTURE
No. 127162
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 26+00 TO STA. 38+15

SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	22C
P.I.H.	2024	71951-3510-04	22C
PPS&E	2025	71951-3510-04	22C

REV. 03-24-22
UPDATED STREAM 3 NAME
TO MAXWELL BRANCH

REV. 03-06-23
SLOPE LINES AND BUSINESS ENTRANCE
ADJUSTED FOR TRACT 11

REV. 07-07-23
UPDATED SLOPE LINES AND
CONSTRUCTION EASEMENT
FOR TRACT 8

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 21C TO 22C.
UPDATED MATCHLINE.

2@16'X10' BOX CULVERT
STATION 112+82.51

DIRECTION OF FLOW: LEFT

DRAINAGE AREA 1285 AC , ( ) FLAT; (X) ROLLING; ( ) HILLY; ( ) MTNS.

PRESENT STRUCTURE:

EXISTING STRUCTURE CONDITION: GOOD

REMARKS:

N

LIMITS OF CONSTRUCTION
BAXTER STA. 115+30.80
N 656790.8220
E 2078337.1700

200

205

LIMITS OF CONSTRUCTION
OLAN MAXWELL STA. 202+68.12
N 656634.3823
E 2078112.9866

BAXTER STA. 113+72.78 =
MAX STA. 205+11.21
N 656633.9375
E 2078356.0800

OLAN MAXWELL STA. 205+11.21
N 656633.9375
E 2078356.0800

115

OUT - 13

INV. IN-971.50
INV. OUT-966.17

OLAN MAXWELL ROAD

S 89° 58' 45" E

BAXTER ROAD

N 6° 22' 29" W

PRESENT R.O.W.

STR-2

18'

OUT - 12

CONST. EASEMENT

INV. IN-980.37
INV. OUT-979.47

INV. OUT-975.84

INV. IN-981.68

INV. OUT-980.26

EXISTING DITTY ROAD

INV. IN-975.74
INV. OUT-963.73

INV. IN-967.81

CURVE B2
PI 111+25.08
N 656,387.9763
E 2,078,385.3775
~ 1^ 09' 09" (RT)
D 0^ 30' 00"
R 11,459.16
L 230.51
T 115.26

PT 112+40.33

STR-3 OUT - 10

EX. BOX CULVERT TO REMAIN
EX. 102'-6" LONG 2-10'x8'
EX. WINGWALLS TO BE REMOVED
BRIDGE NO. 71SR0001

PRESENT R.O.W.

OUT - 11

TUBE 18"

NTL-1

WWC-1

PROPOSED R.O.W.

PC 110+09.83

PT 109+47.51

MATCHLINE BAXTER RD. STA. 109+00 SEE SHT. NO. 22

110

15

Outfall Inventory		
Outfall	Drainage Area	Slope
10	1.06	5.60%
11	1.11	7.23%
12	0.29	0.84%
13	1.47	1.67%

STAGE 1
1. PLACE EPSC MEASURES AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
2. BUILD IN WORK ZONE
3. CONSTRUCT TEMPORARY WIDENING ON LT BAXTER RD
4. AREA SURROUNDING STR-4 WILL HAVE CLEARING WITHOUT GRUBBING
5. MAINTAIN EPSC MEASURES

STAGE-1
CLEARING AND
GRUBBING

EXISTING 2' CONTOURS

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 127766
STATE OF TENNESSEE

02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION
PREVENTION &
SEDIMENT CONTROL
(EPSC) PLANS

STA. 109+00 TO STA. 115+30.80

SCALE: 1"= 50'

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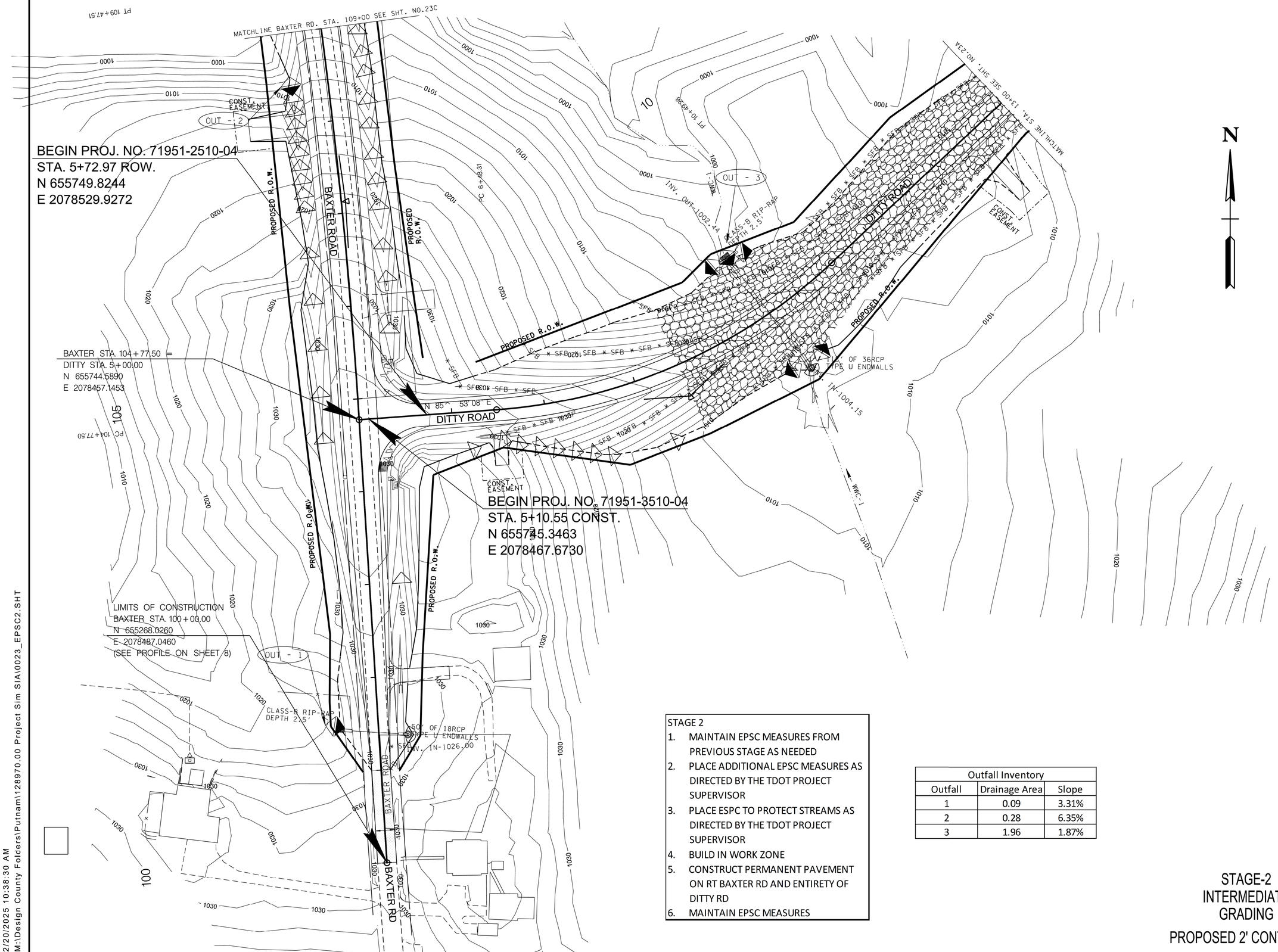
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	23
P.I.H.	2024	71951-3510-04	23
PS&E	2025	71951-3510-04	23

REV. 03-06-23
SLOPE LINES ADJUSTED AND WWC-1/EPH-1 CHANGED TO WWC-1, PROPOSED CONTOURS ADJUSTED, EPSC STAGE NOTES ADJUSTED, DRIVEWAYS ADDED TO DITTY ROAD FOR TRACTS 4 AND 6

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 22 TO 23.
UPDATED MATCHLINES.
ADDED 22' OF 18" S.D. UNDER FIELD ENTRANCE AT STA 12+50.
ADDED GRADED SOLID ROCK WITH LABELS FROM STA 8+50 TO STA 19+50.



STAGE 2
1. MAINTAIN EPSC MEASURES FROM PREVIOUS STAGE AS NEEDED
2. PLACE ADDITIONAL EPSC MEASURES AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
3. PLACE ESPC TO PROTECT STREAMS AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
4. BUILD IN WORK ZONE
5. CONSTRUCT PERMANENT PAVEMENT ON RT BAXTER RD AND ENTIRETY OF DITTY RD
6. MAINTAIN EPSC MEASURES

Outfall Inventory		
Outfall	Drainage Area	Slope
1	0.09	3.31%
2	0.28	6.35%
3	1.96	1.87%

SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STAGE-2
INTERMEDIATE
GRADING

PROPOSED 2' CONTOURS

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 5+00 TO STA. 13+00

SCALE: 1"= 50'

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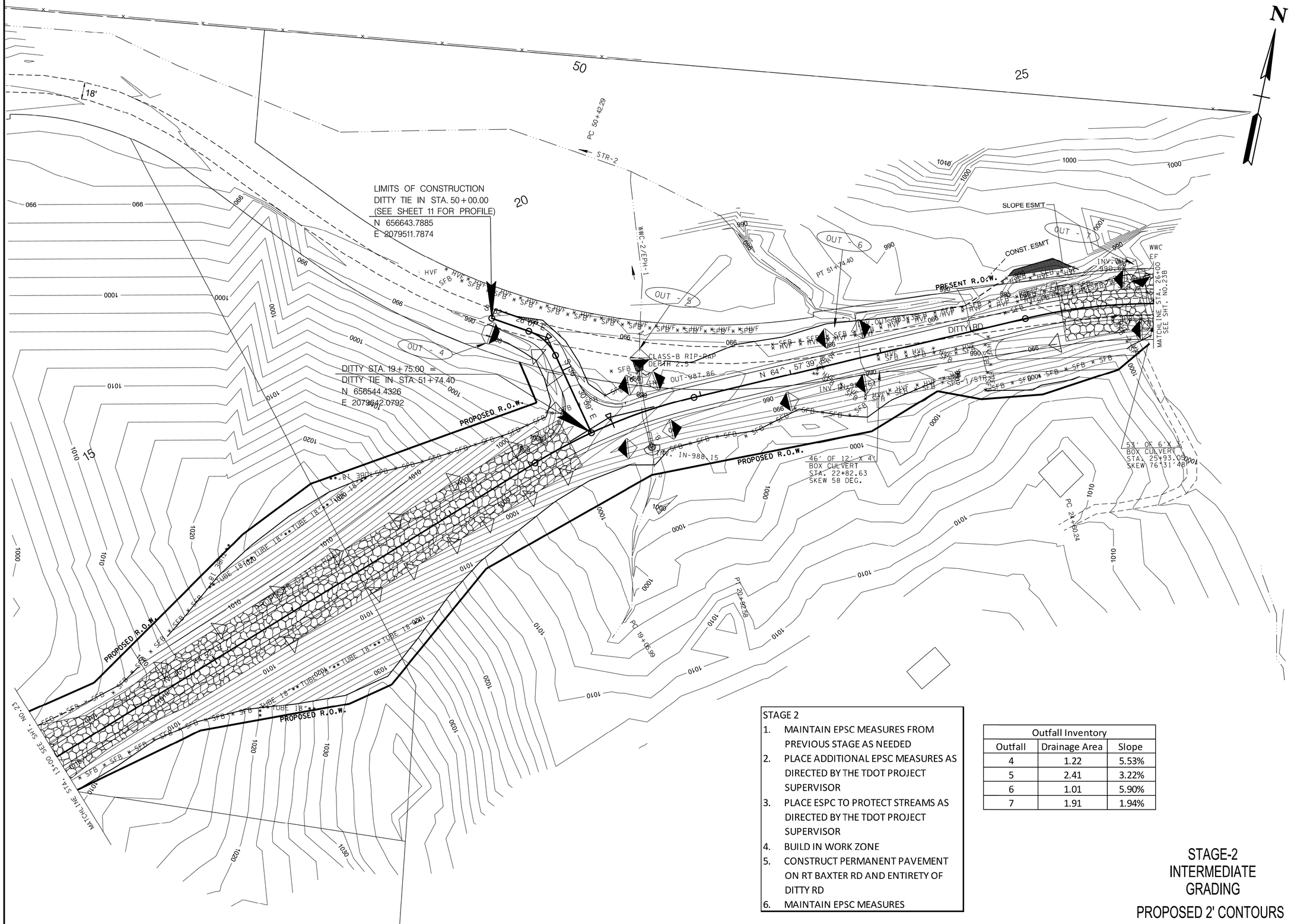
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	23A
P.I.H.	2024	71951-3510-04	23A
PS&E	2025	71951-3510-04	23A

REV. 09-09-22
UPDATED EXISTING ROW LINES, PROPOSED ROW LINES AND LABELS, AND EASEMENTS FOR TRACTS 12 AND 13

REV. 03-06-23
SLOPE LINES, ROW LINES, EASEMENT LINES, AND PROPOSED CONTOURS ADJUSTED. GRADED SOLID ROCK PAD ADDED, WWC-2/EPH-2 AND WWC-3/EPH-3 CHANGED TO WWC-2/EPH-1 AND WWC-3/EPH-2, EPSC STAGE NOTES ADJUSTED, OUTFALL LABELS ADJUSTED, EXISTING DITTY ROAD NAME CHANGED

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 22A TO 23A.
UPDATED MATCHLINES.
REMOVED SOME CHECK DAMS.
ADDED GRADED SOLID ROCK FROM STA 8+50 TO STA 19+50.



STAGE 2

1. MAINTAIN EPSC MEASURES FROM PREVIOUS STAGE AS NEEDED
2. PLACE ADDITIONAL EPSC MEASURES AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
3. PLACE ESPC TO PROTECT STREAMS AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
4. BUILD IN WORK ZONE
5. CONSTRUCT PERMANENT PAVEMENT ON RT BAXTER RD AND ENTIRETY OF DITTY RD
6. MAINTAIN EPSC MEASURES

Outfall Inventory		
Outfall	Drainage Area	Slope
4	1.22	5.53%
5	2.41	3.22%
6	1.01	5.90%
7	1.91	1.94%

STAGE-2
INTERMEDIATE
GRADING

PROPOSED 2' CONTOURS

SEALED BY

JOSEPH A. BUECHEFELD
REGISTERED ENGINEER
AGRICULTURE
No. 127160
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 13+00 TO STA. 26+00

SCALE: 1"= 50'

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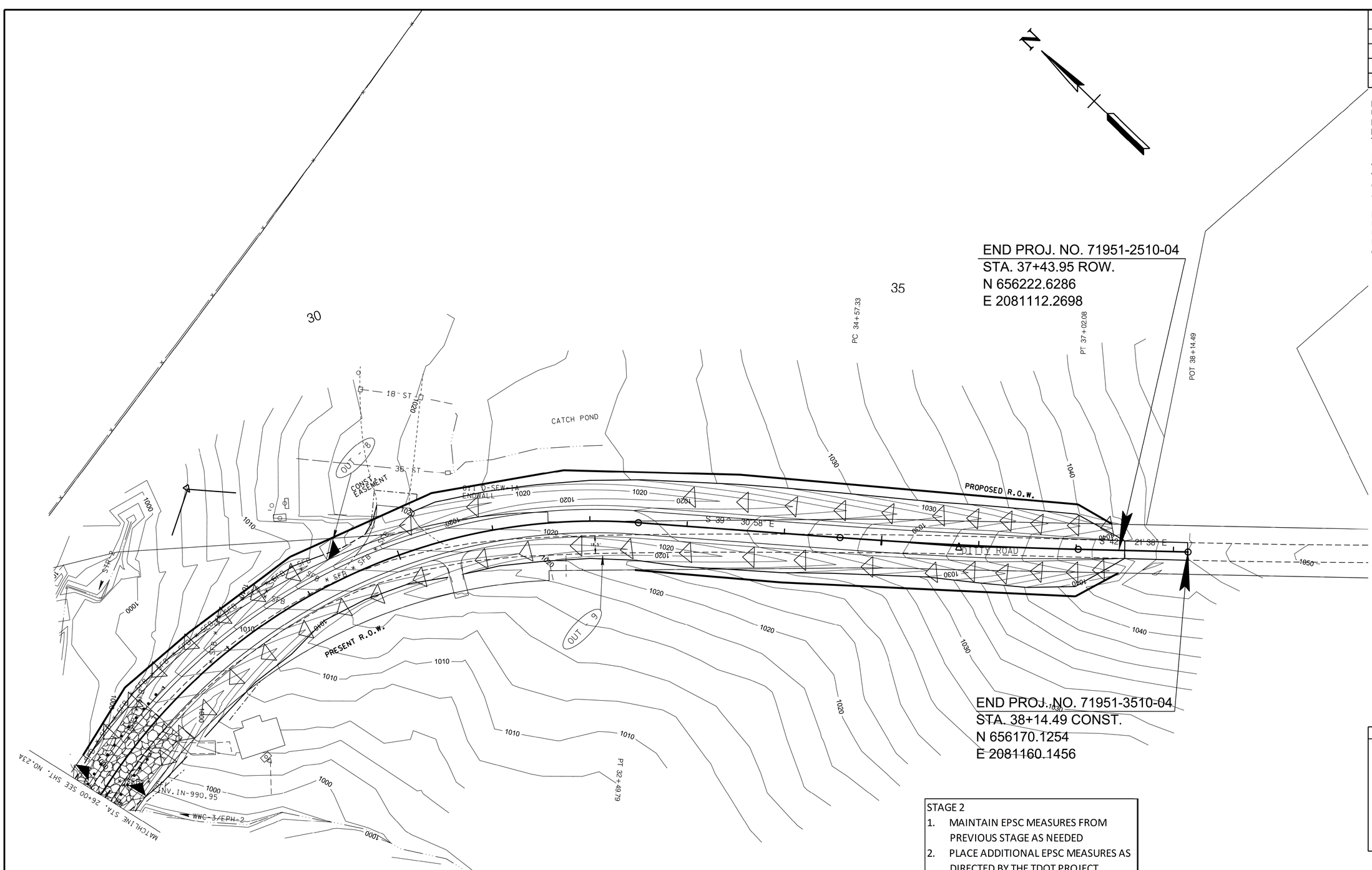
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	23B
P.I.H.	2024	71951-3510-04	23B
PS&E	2025	71951-3510-04	23B

REV. 09-09-22
UPDATED EXISTING ROW LINES, PROPOSED ROW LINES AND LABELS, AND EASEMENTS FOR TRACTS 12, 13, AND 14

REV. 03-06-23
WWC-3/EPH-3 CHANGED TO WWC-3/EPH-2, PROPOSED CONTOURS ADJUSTED, EPSC STAGE NOTES ADJUSTED

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 22B TO 23B.
UPDATED MATCHLINE.
UPDATED STATIONING IN LOWER RIGHT CORNER TO STA 38+14.49.



Outfall Inventory		
Outfall	Drainage Area	Slope
8	0.93	2.96%
9	0.49	3.95%

STAGE 2
1. MAINTAIN EPSC MEASURES FROM PREVIOUS STAGE AS NEEDED
2. PLACE ADDITIONAL EPSC MEASURES AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
3. PLACE ESPC TO PROTECT STREAMS AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
4. BUILD IN WORK ZONE
5. CONSTRUCT PERMANENT PAVEMENT ON RT BAXTER RD AND ENTIRETY OF DITTY RD
6. MAINTAIN EPSC MEASURES

STAGE-2
INTERMEDIATE
GRADING

PROPOSED 2' CONTOURS

SEALED BY

JOSEPH A. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMISSION NO. 127145
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 26+00 TO STA. 38+14.49

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	23C
P.I.H.	2024	71951-3510-04	23C
PS&E	2025	71951-3510-04	23C

REV. 03-24-22
UPDATED STREAM 3 NAME
TO MAXWELL BRANCH

REV. 03-06-23
SLOPE LINES, BUSINESS ENTRANCE, AND EASEMENT LINES ADJUSTED FOR TRACT 11. PROPOSED CULVERT EXTENSION ON BAXTER ROAD AT 112+82.51 INCREASED. PROPOSED CONTOURS ADJUSTED, EXISTING DITTY ROAD NAME CHANGED, EPSC STAGE NOTES ADJUSTED

REV. 07-07-23
UPDATED SLOPE LINES AND CONSTRUCTION EASEMENT FOR TRACT 8

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 22C TO 23C.
UPDATED MATCHLINE.

N

200

205

115

110

LIMITS OF CONSTRUCTION
BAXTER STA. 115+30.80
N 656790.8220
E 2078337.1700

LIMITS OF CONSTRUCTION
OLAN MAXWELL STA. 202+68.12
N 656634.3823
E 2078112.9866

BAXTER STA. 113+72.78 =
MAX STA. 205+11.21
N 656633.9375
E 2078356.0800

OLAN MAXWELL STA. 205+11.21
N 656633.9375
E 2078356.0800

END SPECIAL DITCH
STA. 115+00.00
OFFSET 40.00

BEGIN SPECIAL DITCH
STA. 113+35.00
OFFSET 46.81

OLAN MAXWELL ROAD

BAXTER ROAD

EXISTING DITTY ROAD

PRESENT R.O.W.

PROPOSED R.O.W.

PROPOSED R.O.W.

CONST. EASEMENT

CONST. EASEMENT

OUT - 10

OUT - 11

OUT - 12

OUT - 13

STR-2

STR-3

INV. IN-971.50
INV. OUT-966.17

INV. IN-959.39

INV. OUT-958.25

INV. IN-980.37
INV. OUT-979.47

INV. OUT-975.84

INV. IN-981.68

INV. OUT-980.26

INV. IN-977.81

INV. IN-975.23
INV. OUT-965.73

FOR DETAILS ON INSTREAM DIVERSION SEE SHEET 22D

EX. BOX CULVERT TO REMAIN
EX. WINGWALL TO BE REMOVED
BRIDGE NO. 71S499T0003

PT 112+40.33

PC 110+09.83

PT 109+47.51

MATCHLINE BAXTER RD. STA. 109+00 SEE SHT. NO.23

18'

Outfall Inventory		
Outfall	Drainage Area	Slope
10	1.06	5.60%
11	1.11	7.23%
12	0.29	0.84%
13	1.47	1.67%

STAGE 2
1. MAINTAIN EPSC MEASURES FROM PREVIOUS STAGE AS NEEDED
2. PLACE ADDITIONAL EPSC MEASURES AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
3. PLACE ESPC TO PROTECT STREAMS AS DIRECTED BY THE TDOT PROJECT SUPERVISOR
4. BUILD IN WORK ZONE
5. CONSTRUCT PERMANENT PAVEMENT ON RT BAXTER RD AND ENTIRETY OF DITTY RD
6. MAINTAIN EPSC MEASURES

STAGE-2
INTERMEDIATE
GRADING

PROPOSED 2' CONTOURS

SEALED BY

JOSEPH H. BUTCHFIELD
REGISTERED ENGINEER
AGRICULTURE
No. 122[illegible]
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 109+00 TO STA. 115+30.80
SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	23D
P.I.H.	2024	71951-3510-04	23D
PS&E	2025	71951-3510-04	23D

REV. 03-06-23
CULVERT EXTENSIONS ON
BAXTER ROAD AT 112+82.51
INCREASED

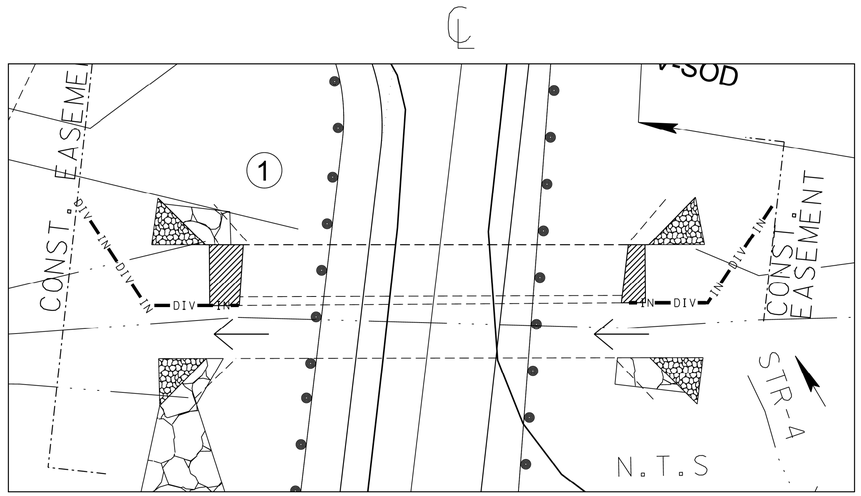
R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 22D TO 23D.
ADDED NOTE 4.

1. EXTEND NORTH BOX CULVERT BARREL.

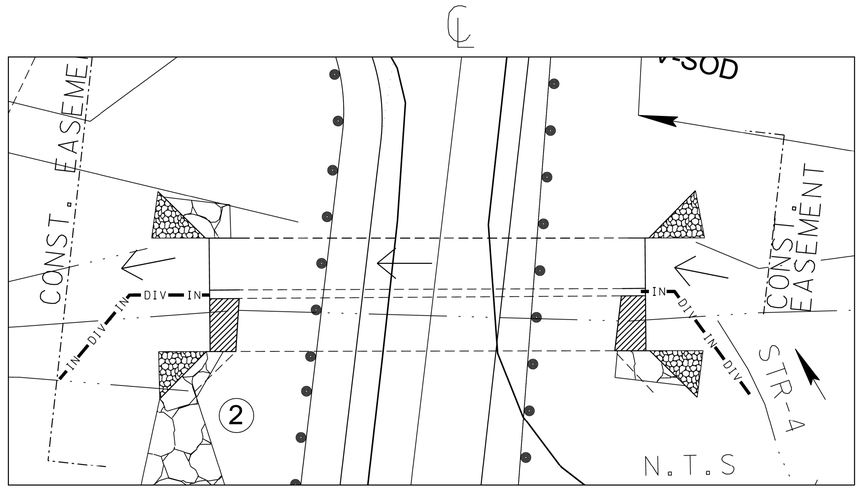
2. EXTEND SOUTH BOX CULVERT BARREL.

3. PLACE INSTREAM DIVERSION MEASURES UNDER THE DIRECTION OF THE TDOT PROJECT SUPERVISOR.

4. THIS DETAIL RELATES TO THE CULVERT EXTENTION AT STA 112+82.51 SHOWN ON SHEET 23C.



3



3

STAGE-2
INTERMEDIATE
GRADING

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE

02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

SCALE: 1"=20'

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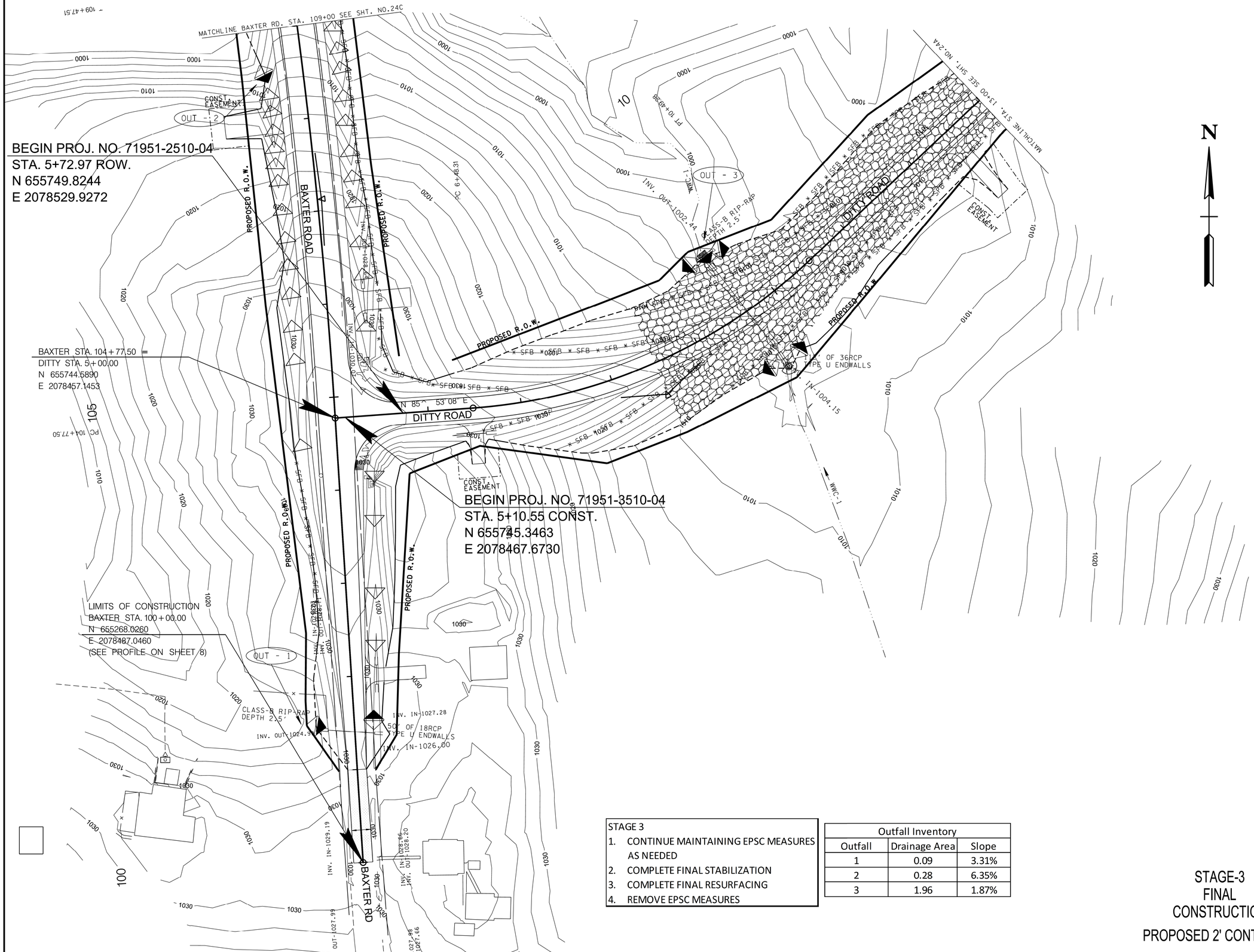
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	24
P.I.H.	2024	71951-3510-04	24
PS&E	2025	71951-3510-04	24

REV. 03-06-23
WWC-3/EPH-3 CHANGED TO
WWC-3/EPH-2

REV. 03-06-23
DRIVEWAYS ADDED TO DITTY ROAD FOR TRACTS 4 AND 6, SLOPE LINES AND EASEMENT LINES ADJUSTED, WWC-1/EPH-1 CHANGED TO WWC-1, PROPOSED CONTOURS ADJUSTED

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 23 TO 24.
UPDATED MATCHLINES.



STAGE 3
1. CONTINUE MAINTAINING EPSC MEASURES AS NEEDED
2. COMPLETE FINAL STABILIZATION
3. COMPLETE FINAL RESURFACING
4. REMOVE EPSC MEASURES

Outfall Inventory		
Outfall	Drainage Area	Slope
1	0.09	3.31%
2	0.28	6.35%
3	1.96	1.87%

STAGE-3
FINAL
CONSTRUCTION
PROPOSED 2' CONTOURS

SEALED BY

JOSEPH H. BURGESTEEL REGISTERED ENGINEER AGRICULTURE & COMMERCE NO. 127760 STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 5+00 TO STA. 13+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	24A
P.I.H.	2024	71951-3510-04	24A
PS&E	2025	71951-3510-04	24A

REV. 09-09-22
UPDATED EXISTING ROW LINES, PROPOSED ROW LINES AND LABELS, AND EASEMENTS FOR TRACTS 12 AND 13

REV. 03-06-23
STR-1 CULVERT ON DITTY ROAD AT 22+82.39 CHANGED TO SLAB BRIDGE, SLOPE LINES, ROW LINES, EASEMENT LINES, AND STR-2 RELOCATION ADJUSTED, GRADED SOLID ROCK PAD ADDED, WWC-2/EPH-2 AND WWC-3/EPH-3 CHANGED TO WWC-2/EPH-1 AND WWC-3/EPH-2, PROPOSED CONTOURS ADJUSTED, EXISTING DITTY ROAD NAME CHANGED

REV. 08-15-24
AT STA. 22+82.39 CHANGED SLAB CULVERT TO BOX CULVERT, INCREASED LENGTH FROM 45' TO 46', AND ADDED 0.8' EMBEDMENT.

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 23A TO 24A.
UPDATED MATCHLINES.
UPDATE CHECK DAM PLACEMENT.

LIMITS OF CONSTRUCTION
DITTY TIE IN STA. 50+00.00
(SEE SHEET 11 FOR PROFILE)
N 656643.7885
E 2079511.7874

DITTY STA. 19+75.00 =
DITTY TIE IN STA. 51+74.40
N 656544.4326
E 2079642.0792

EXISTING DITTY ROAD
PROPOSED DITTY ROAD
PROPOSED R.O.W.
PRESENT R.O.W.
SLOPE ESM'T
CONST. ESM'T
PC 50+42.29
PT 51+74.40
PC 24+60.24
PT 20+92.58
PC 19+06.99
STR-2
WWC-2/EPH-1
OUT - 4
OUT - 5
OUT - 6
OUT - 7
CLASS-B RIP-RAP DEPTH 2.5
OUT-987.86
INV. IN-988.15
INV. IN-983.12
INV. 990.5
N 64° 57' 39" E
30.60
26.00
46' OF 12' X 4' BOX CULVERT STA. 22+82.63 SKEW 58 DEG.
53' OF 6' X 1' BOX CULVERT STA. 25+93.05 SKEW 76°31'48"
MATCH LINE STA. 26+00 SEE SHT. NO. 24B
MATCH LINE STA. 13+00 SEE SHT. NO. 24

STAGE 3
1. CONTINUE MAINTAINING EPSC MEASURES AS NEEDED
2. COMPLETE FINAL STABILIZATION
3. COMPLETE FINAL RESURFACING
4. REMOVE EPSC MEASURES

Outfall Inventory		
Outfall	Drainage Area	Slope
4	1.22	5.53%
5	2.41	3.22%
6	1.01	5.90%
7	1.91	1.94%

STAGE-3
FINAL
CONSTRUCTION
PROPOSED 2' CONTOURS

SEALED BY

JOSEPH A. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 127162
STATE OF TENNESSEE
11-04-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 13+00 TO STA. 26+00
SCALE: 1"= 50'

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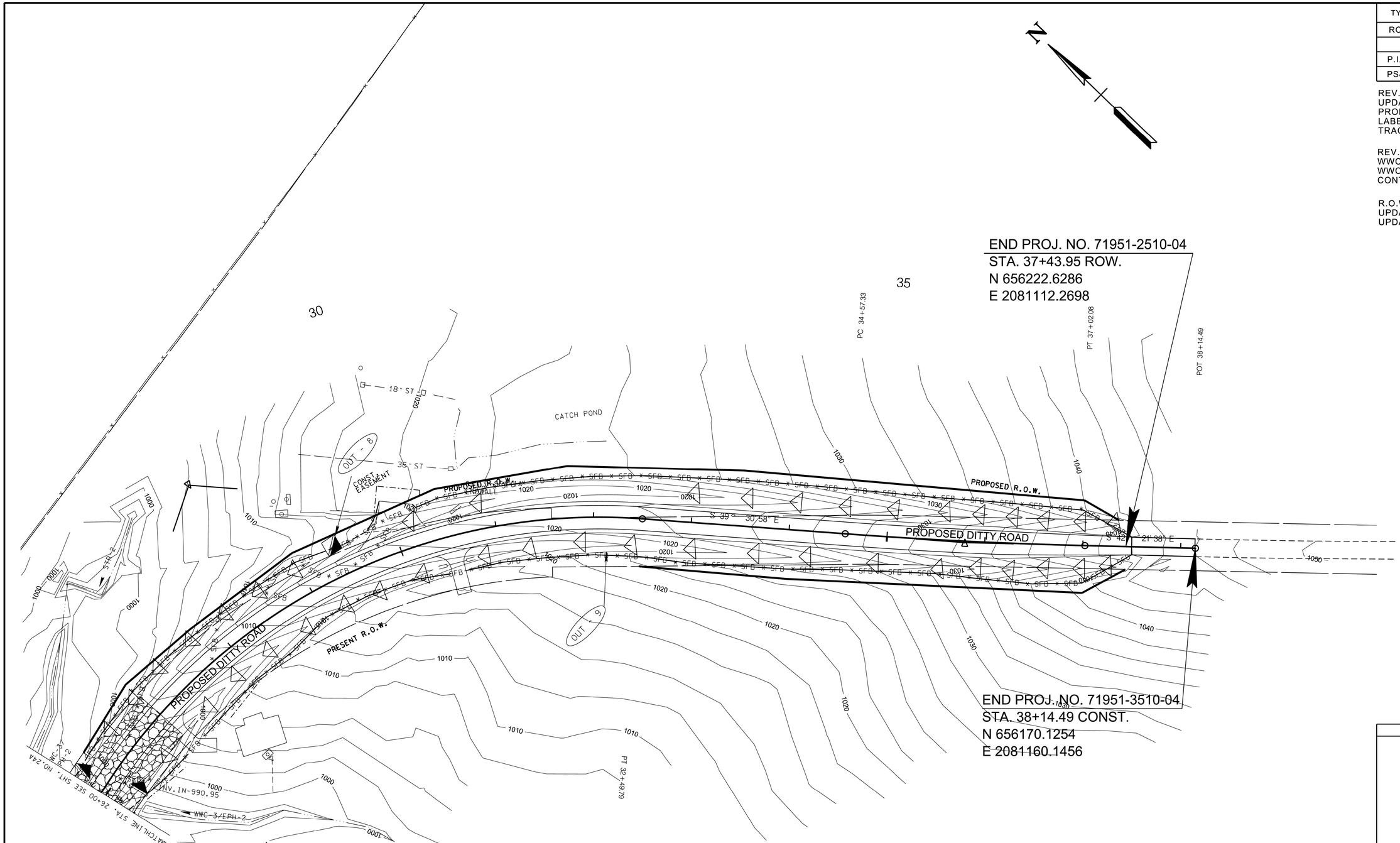
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	24B
P.I.H.	2024	71951-3510-04	24B
PS&E	2025	71951-3510-04	24B

REV. 09-09-22
UPDATED EXISTING ROW LINES, PROPOSED ROW LINES AND LABELS, AND EASEMENTS FOR TRACTS 12, 13, AND 14

REV. 03-06-23
WWC-3/EPH-3 CHANGED TO WWC-3/EPH-2, PROPOSED CONTOURS ADJUSTED

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 23B TO 24B.
UPDATED MATCHLINE.



END PROJ. NO. 71951-3510-04
STA. 38+14.49 CONST.
N 656170.1254
E 2081160.1456

STAGE 3
1. CONTINUE MAINTAINING EPSC MEASURES AS NEEDED
2. COMPLETE FINAL STABILIZATION
3. COMPLETE FINAL RESURFACING
4. REMOVE EPSC MEASURES

Outfall Inventory		
Outfall	Drainage Area	Slope
8	0.93	2.96%
9	0.49	3.95%

STAGE-3
FINAL
CONSTRUCTION
PROPOSED 2' CONTOURS

SEALED BY

JOSEPH A. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMISSION NO. 127146
STATE OF TENNESSEE
02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA. 26+00 TO STA. 38+15
SCALE: 1"=50'

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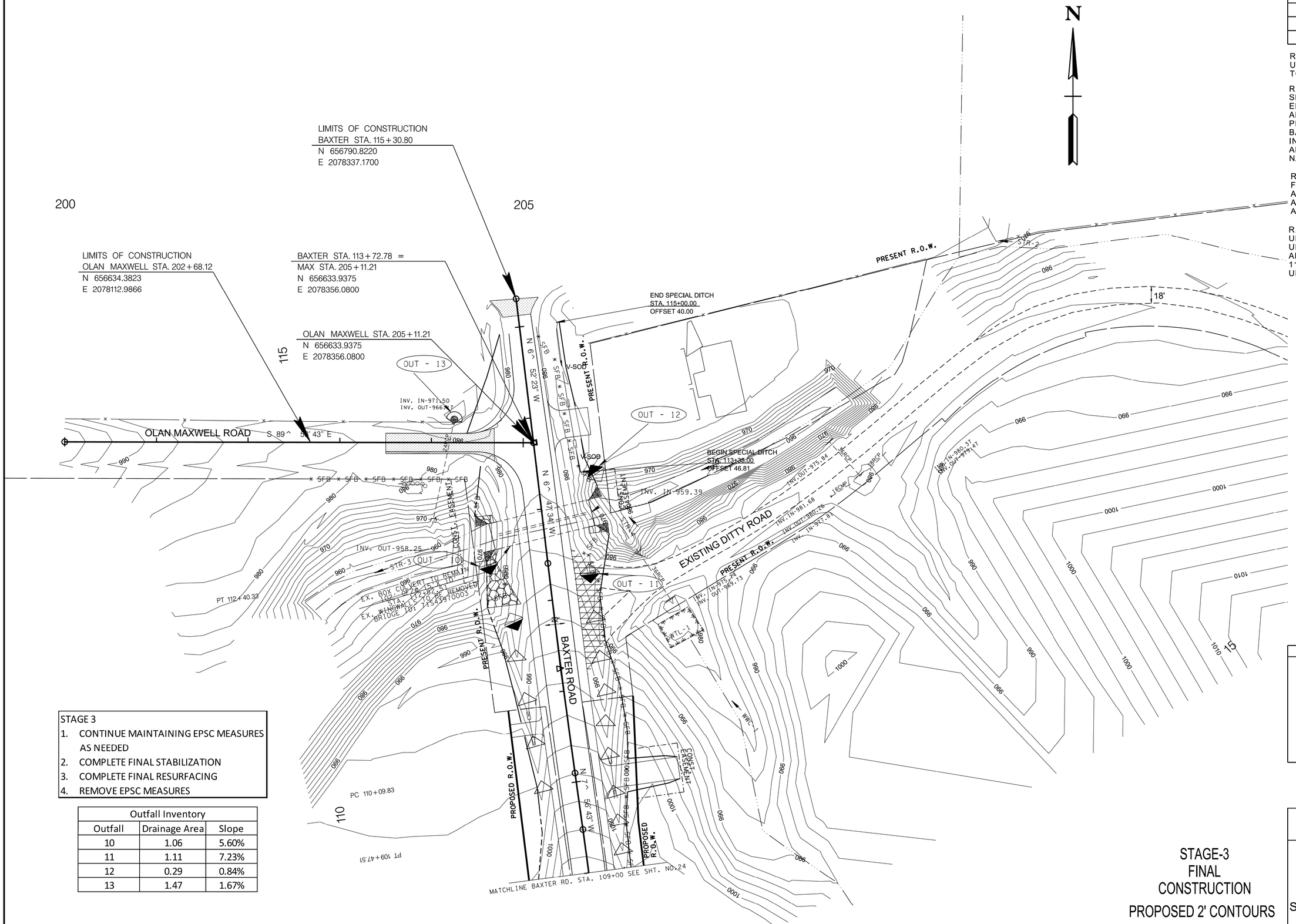
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71591-2510-04	24C
P.I.H.	2024	71951-3510-04	24C
PS&E	2025	71951-3510-04	24C

REV. 03-24-22
UPDATED STREAM 3 NAME
TO MAXWELL BRANCH

REV. 03-06-23
SLOPE LINES, BUSINESS
ENTRANCE, AND EASEMENT LINES
ADJUSTED FOR TRACT 11.
PROPOSED CULVERT EXTENSION ON
BAXTER ROAD AT 112+82.51
INCREASED, PROPOSED CONTOURS
ADJUSTED, EXISTING DITTY ROAD
NAME CHANGED

REV. 07-07-23
FIELD ENTRANCE AND SIDE DRAIN
ADDED TO TRACT 8 AND SLOPE LINES
AND CONSTRUCTION EASEMENTS
ADJUSTED

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 23C TO 24C.
UPDATED MATCHLINE.
ADDED GRADED SOLID ROCK FROM STA
112+00 TO STA 113+00.
UPDATED LEVEL DISPLAY.



STAGE 3
1. CONTINUE MAINTAINING EPSC MEASURES AS NEEDED
2. COMPLETE FINAL STABILIZATION
3. COMPLETE FINAL RESURFACING
4. REMOVE EPSC MEASURES

Outfall Inventory		
Outfall	Drainage Area	Slope
10	1.06	5.60%
11	1.11	7.23%
12	0.29	0.84%
13	1.47	1.67%

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 127465
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STAGE-3
FINAL
CONSTRUCTION
PROPOSED 2' CONTOURS

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 109+00 TO STA. 115+30.80
SCALE: 1"= 50'

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

SIGN NO	LEGEND	SHEET NO	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN STEEL LBS.		
9	Olan Maxwell Rd D3-1 STOP R1-1		54" 36"	12" 36"			6"	4-½"		B			WHITE (REF.) WHITE (REF.)	GREEN (REF.) RED (REF.)	0.100" SHEET ALUMINUM 0.080" SHEET ALUMINUM	P5	h = 13'-9"				5'-0"	SIGN TO INCLUDE TWO STREET NAME SIGNS MOUNTED BACK TO BACK.
4 13	Ditty Rd D3-1 STOP R1-1		36" 36"	12" 36"			6"	4-½"		B			WHITE (REF.) WHITE (REF.)	GREEN (REF.) RED (REF.)	0.080" SHEET ALUMINUM 0.080" SHEET ALUMINUM	P5	h = 13'-9" h = 13'-9"				5'-0"	SIGNS TO INCLUDE TWO STREET NAME SIGNS MOUNTED BACK TO BACK.
3 8	SPEED LIMIT 35 R2-1		24"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	h = 11'-0" h = 11'-0"				5'-0"	
2	SPEED LIMIT 45 R2-1		24"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	h = 11'-0"				5'-0"	
1	REDUCED SPEED AHEAD R2-5a		24"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P8	h = 11'-0"				5'-0"	
5 6 7	OM4-1		18"	18"									RED (REF.)	RED (REF.)	0.080" SHEET ALUMINUM	U3	h = 12'-6" h = 12'-6" h = 12'-6"				5'-0"	PAID FOR USING ITEM NUMBER 713-16.07 SEE STANDARD DRAWING T-S-18
14	NO OUTLET W14-2		36"	36"									BLACK	YELLOW (FLOR.)	0.100" SHEET ALUMINUM	P8	h = 13'-6"				5'-0"	
10	ROADWAY ENDS W8-3 MOD		36"	36"									BLACK	YELLOW (FLOR.)	0.100" SHEET ALUMINUM	P8	h = 13'-6"				5'-0"	
11 12 15 16	DO NOT MOW		48"	30"			8"			"D"			BLACK	WHITE (REF.)	0.100" SHEET ALUMINUM	P5	h = 13'-0" h = 13'-0" h = 13'-0" h = 13'-0"				5'-0"	

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	25
P.I.H.	2024	71951-3510-04	25
PS&E	2025	71951-3510-04	25

REV. 03-04-24
SIGN SCHEDULE UPDATED

R.O.W. REV. 02-05-25
UPDATED SHEET NO. FROM 24 TO 25.

SEALED BY

JOSEPH A. BURCHFIELD REGISTERED ENGINEER AGRICULTURE 127184 COMMISSION NO. STATE OF TENNESSEE 02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE SHEET

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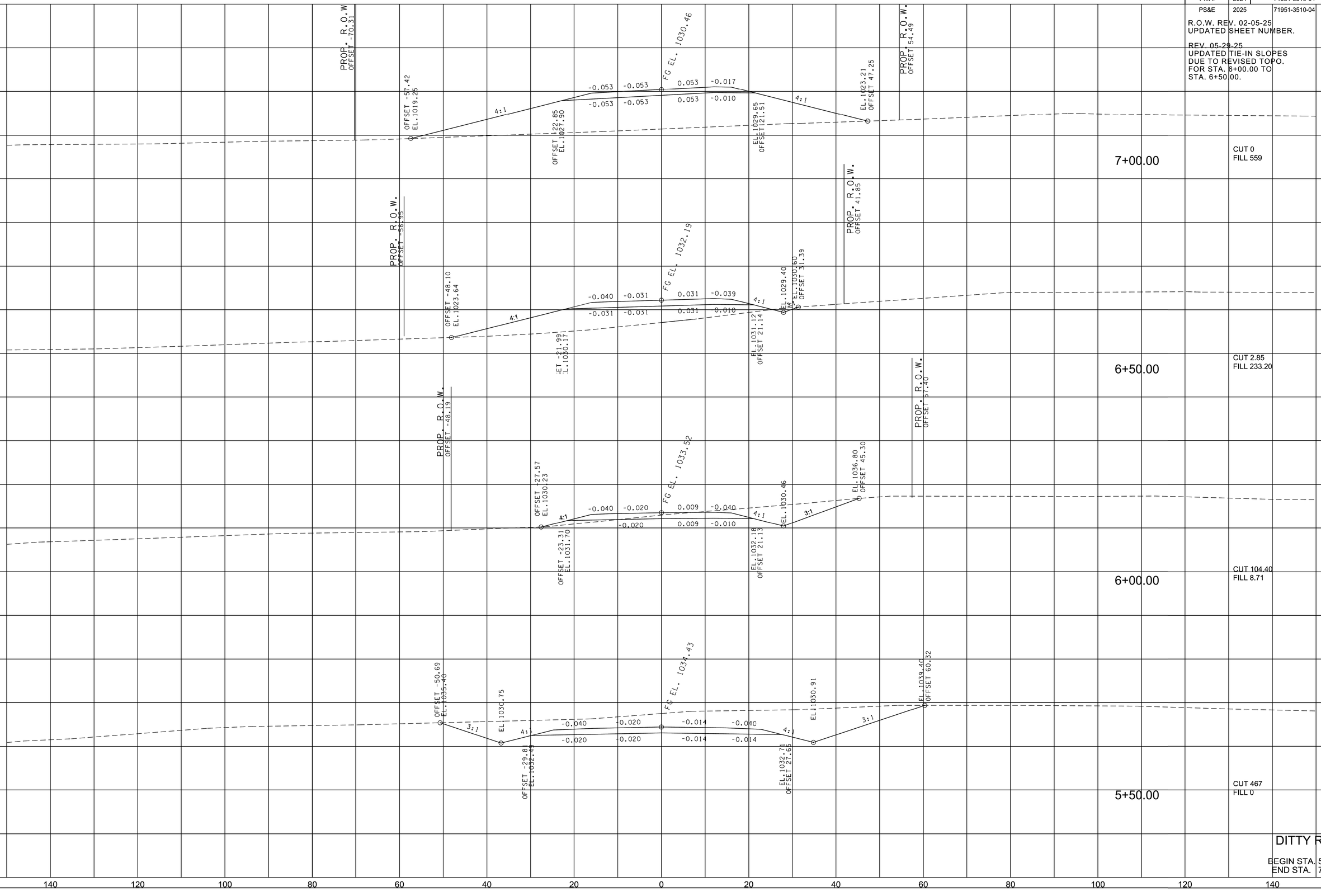
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	26
P.I.H.	2024	71951-3510-04	26
PS&E	2025	71951-3510-04	26

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.

REV. 05-29-25
UPDATED TIE-IN SLOPES DUE TO REVISED TOPO. FOR STA. 6+00.00 TO STA. 6+50.00.



DITTY ROAD

BEGIN STA. 5+50.00
END STA. 7+00.00

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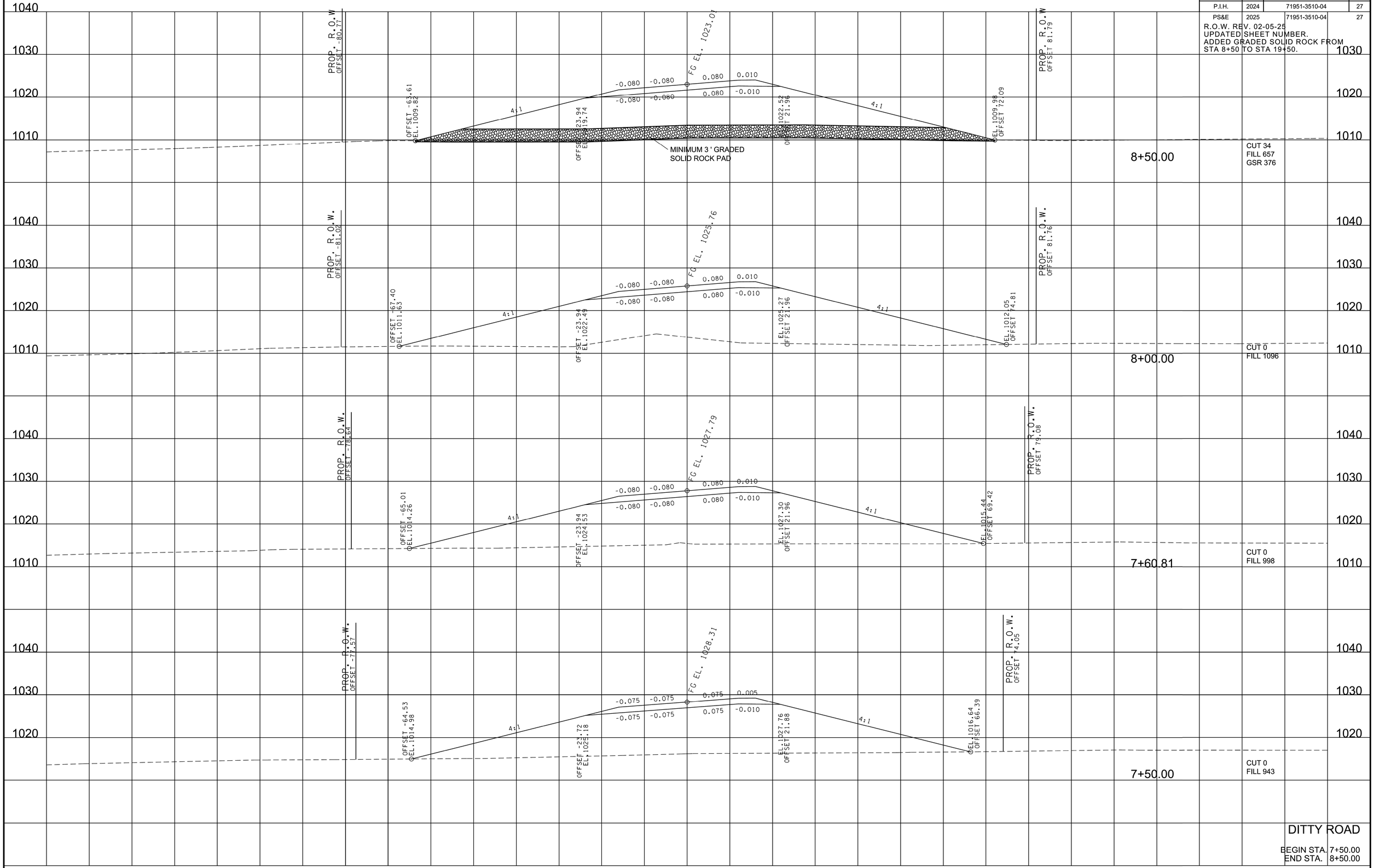
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	27
P.I.H.	2024	71951-3510-04	27
PS&E	2025	71951-3510-04	27

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
ADDED GRADED SOLID ROCK FROM STA 8+50 TO STA 19+50.



DITTY ROAD

BEGIN STA. 7+50.00
END STA. 8+50.00

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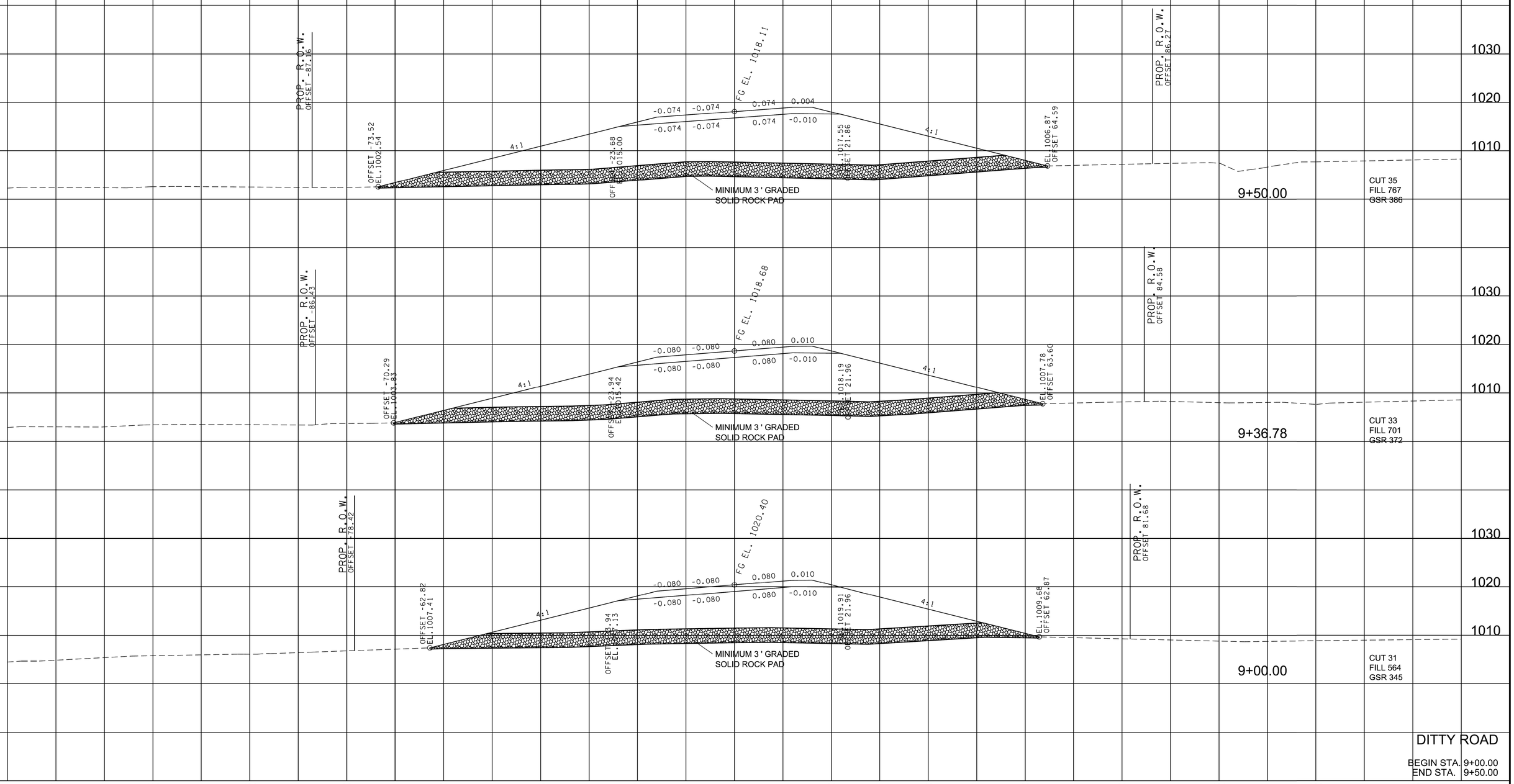
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	28
P.I.H.	2024	71951-3510-04	28
PS&E	2025	71951-3510-04	28

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
ADDED GRADED SOLID ROCK FROM STA 8+50 TO STA 19+50.



DITTY ROAD

BEGIN STA. 9+00.00
END STA. 9+50.00

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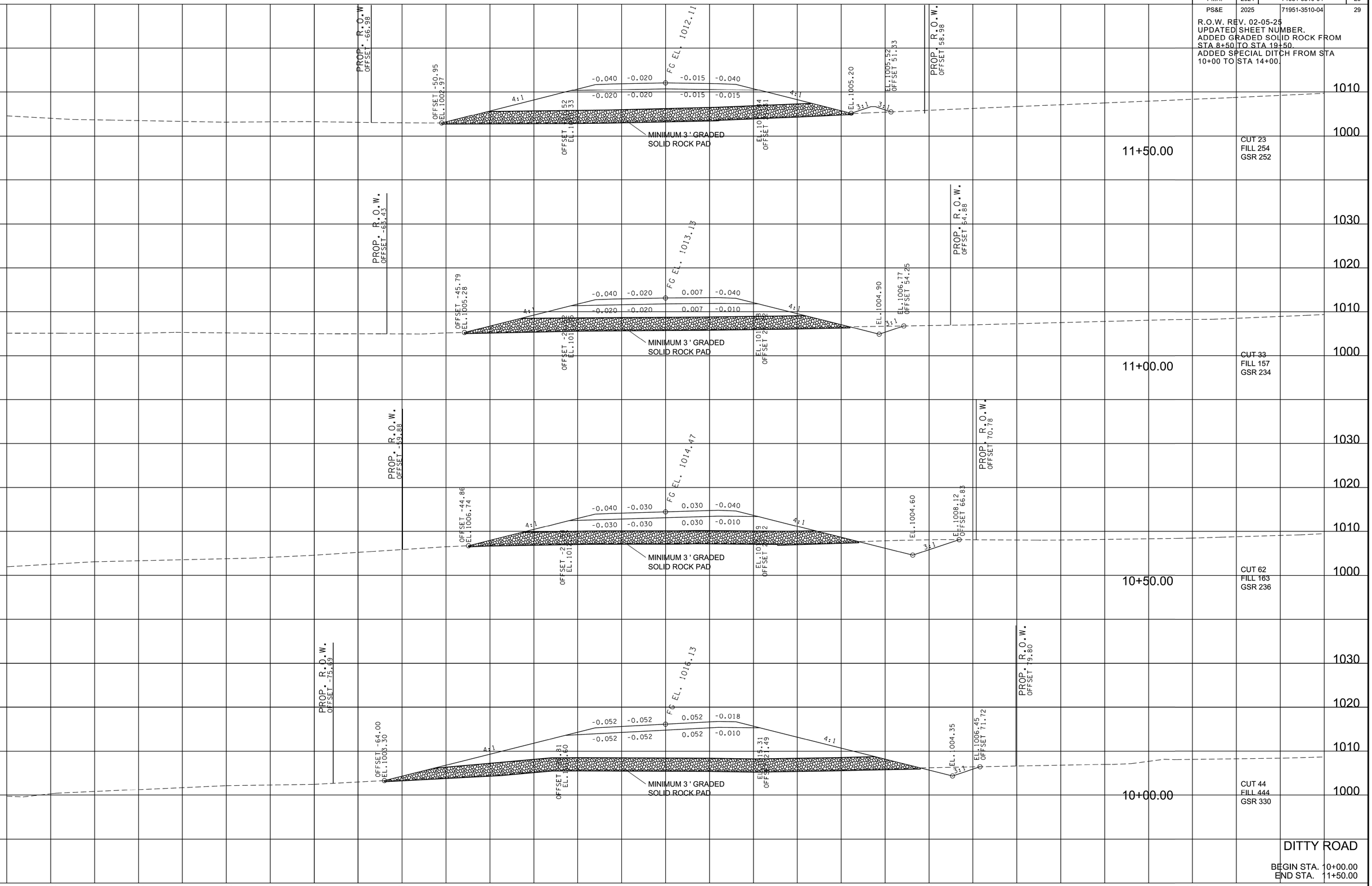
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	29
P.I.H.	2024	71951-3510-04	29
PS&E	2025	71951-3510-04	29

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
ADDED GRADED SOLID ROCK FROM STA 8+50 TO STA 19+50.
ADDED SPECIAL DITCH FROM STA 10+00 TO STA 14+00.



DITTY ROAD

BEGIN STA. 10+00.00
END STA. 11+50.00

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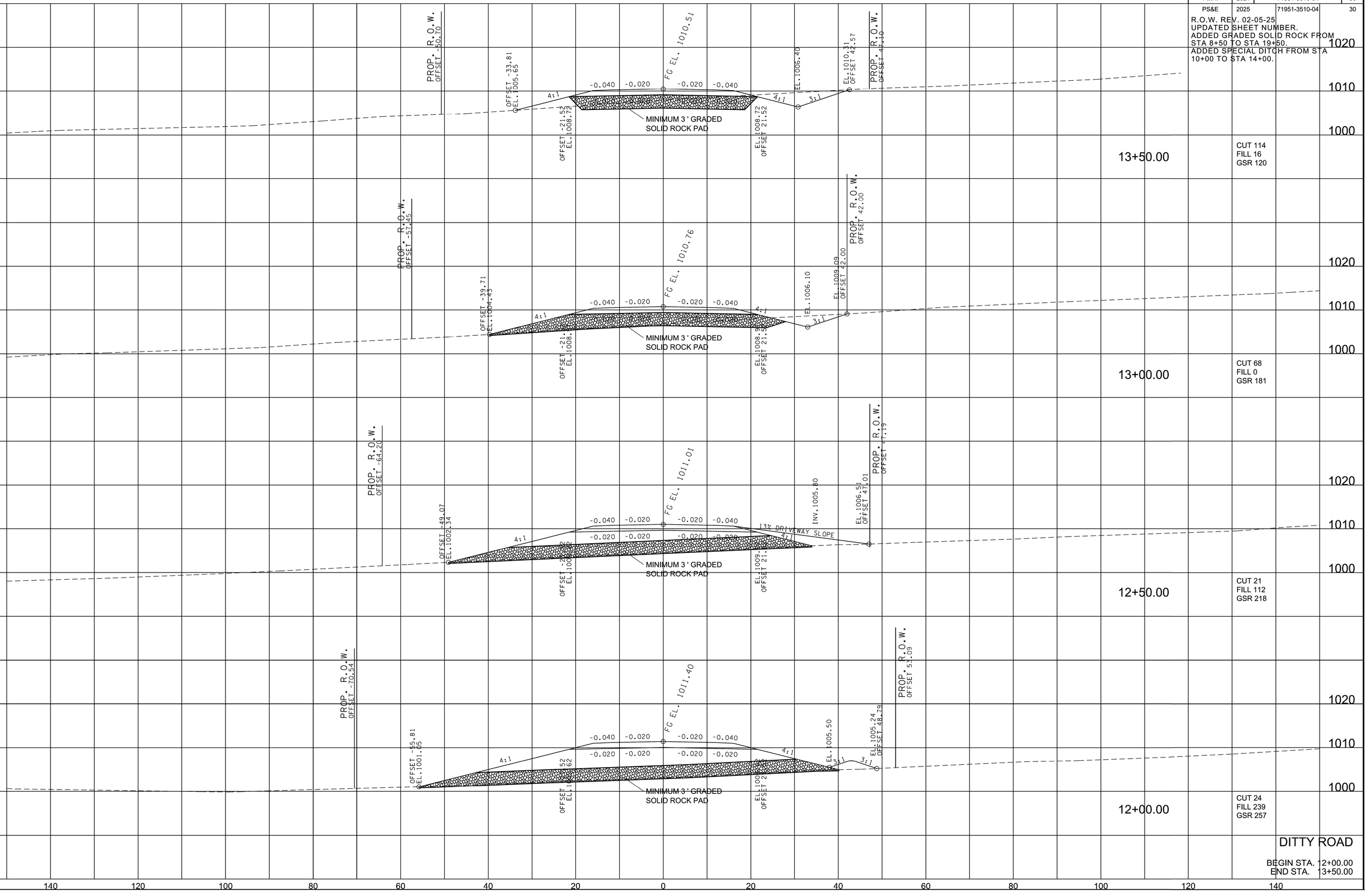
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	30
P.I.H.	2024	71951-3510-04	30
PS&E	2025	71951-3510-04	30

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
ADDED GRADED SOLID ROCK FROM STA 8+50 TO STA 19+50.
ADDED SPECIAL DITCH FROM STA 10+00 TO STA 14+00.



DITTY ROAD

BEGIN STA. 12+00.00
END STA. 13+50.00

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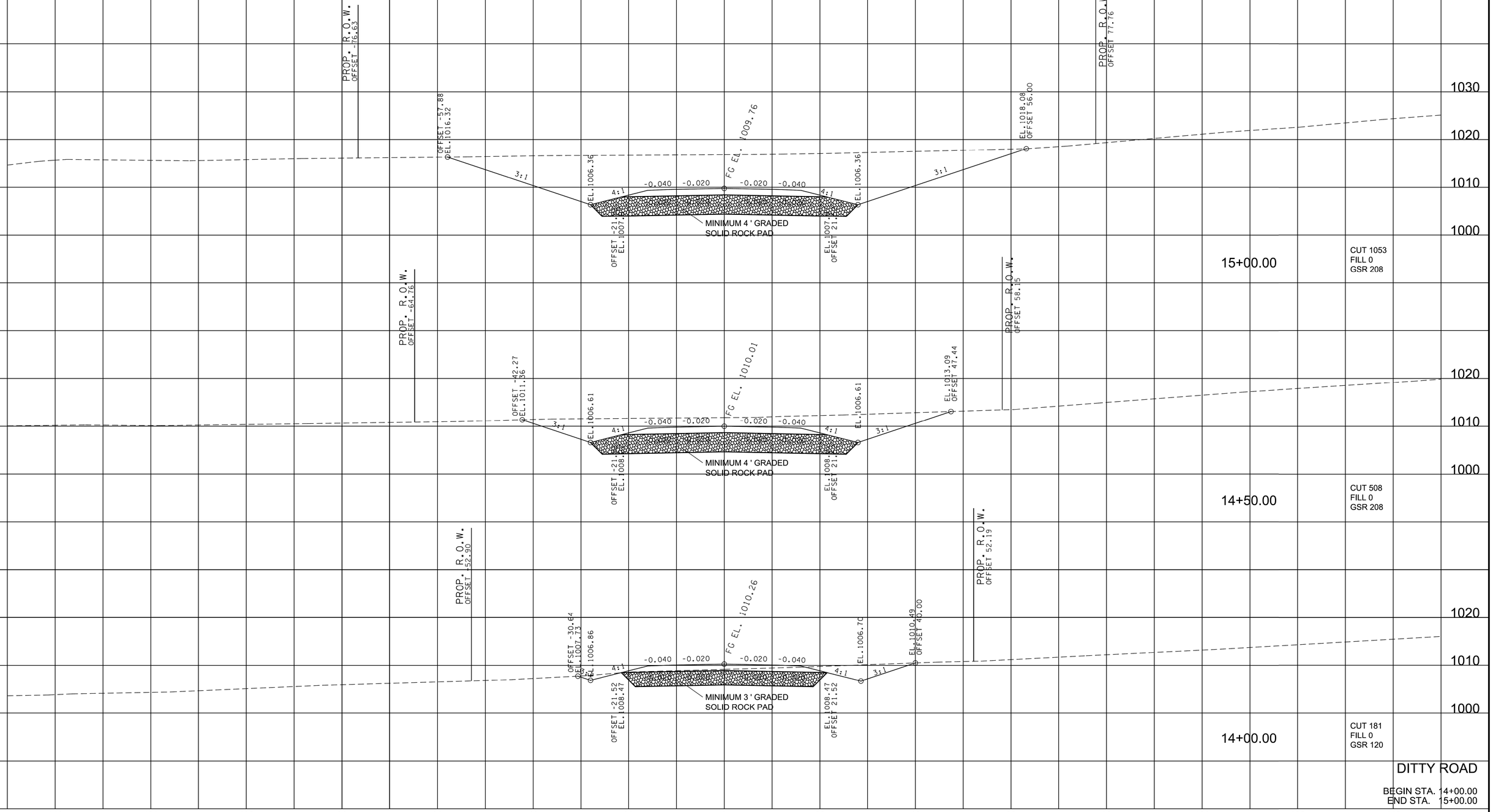
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	31
P.I.H.	2024	71951-3510-04	31
PS&E	2025	71951-3510-04	31

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
ADDED GRADED SOLID ROCK FROM STA 8+50 TO STA 19+50.
ADDED SPECIAL DITCH FROM STA 10+00 TO STA 14+00.



DITTY ROAD

BEGIN STA. 14+00.00
END STA. 15+00.00

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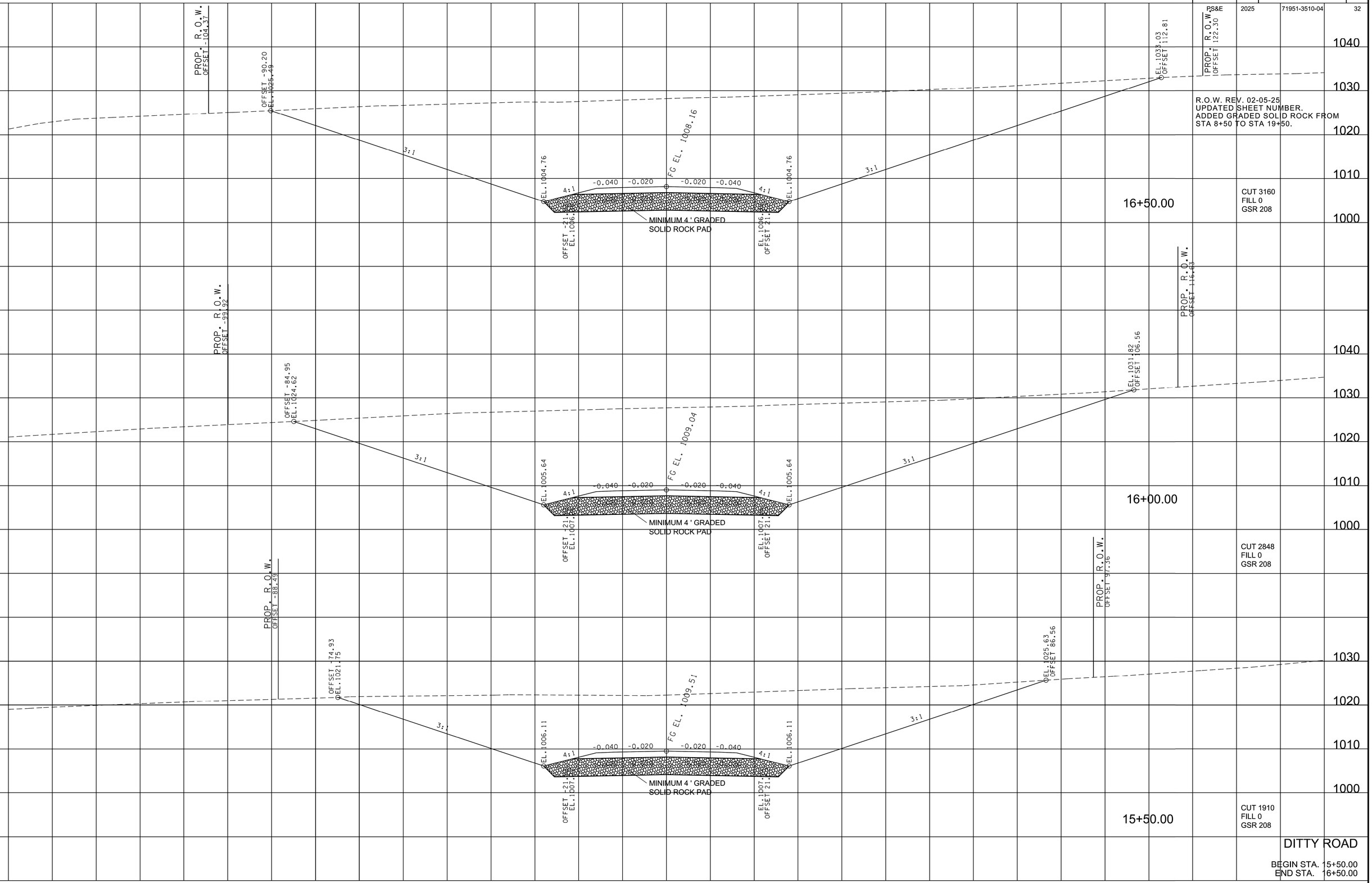
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	32
P.I.H.	2024	71951-3510-04	32
PS&E	2025	71951-3510-04	32

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
ADDED GRADED SOLID ROCK FROM STA 8+50 TO STA 19+50.



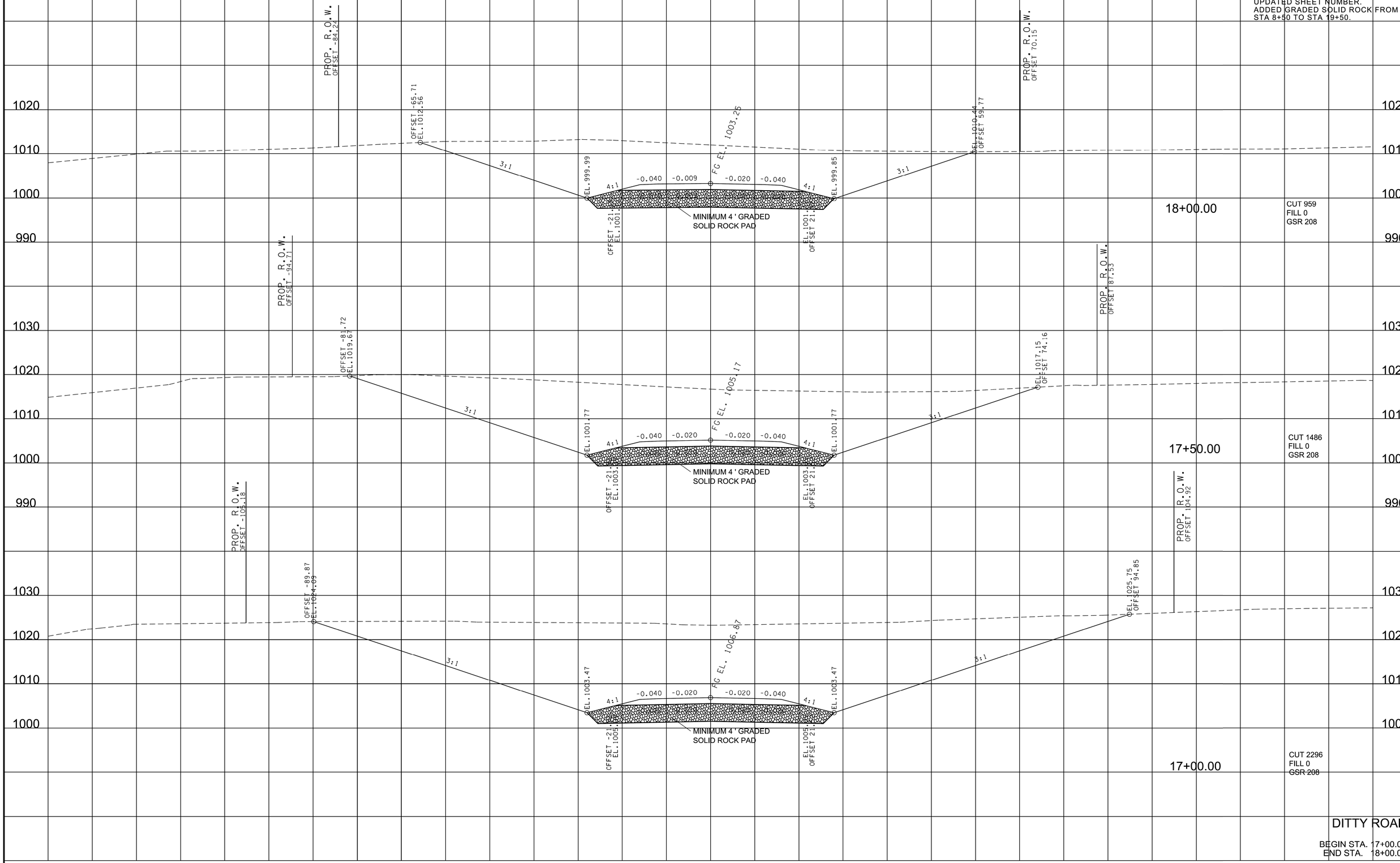
DITTY ROAD

BEGIN STA. 15+50.00
END STA. 16+50.00

2/20/2025 10:39:16 AM
M:\Design County Folders\Putnam\128970.00 Project Sim SIA\0026-0049_MainlineXSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	33
P.I.H.	2024	71951-3510-04	33
PS&E	2025	71951-3510-04	33

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
ADDED GRADED SOLID ROCK FROM STA 8+50 TO STA 19+50.



DITTY ROAD

BEGIN STA. 17+00.00
END STA. 18+00.00

2/20/2025 10:39:18 AM
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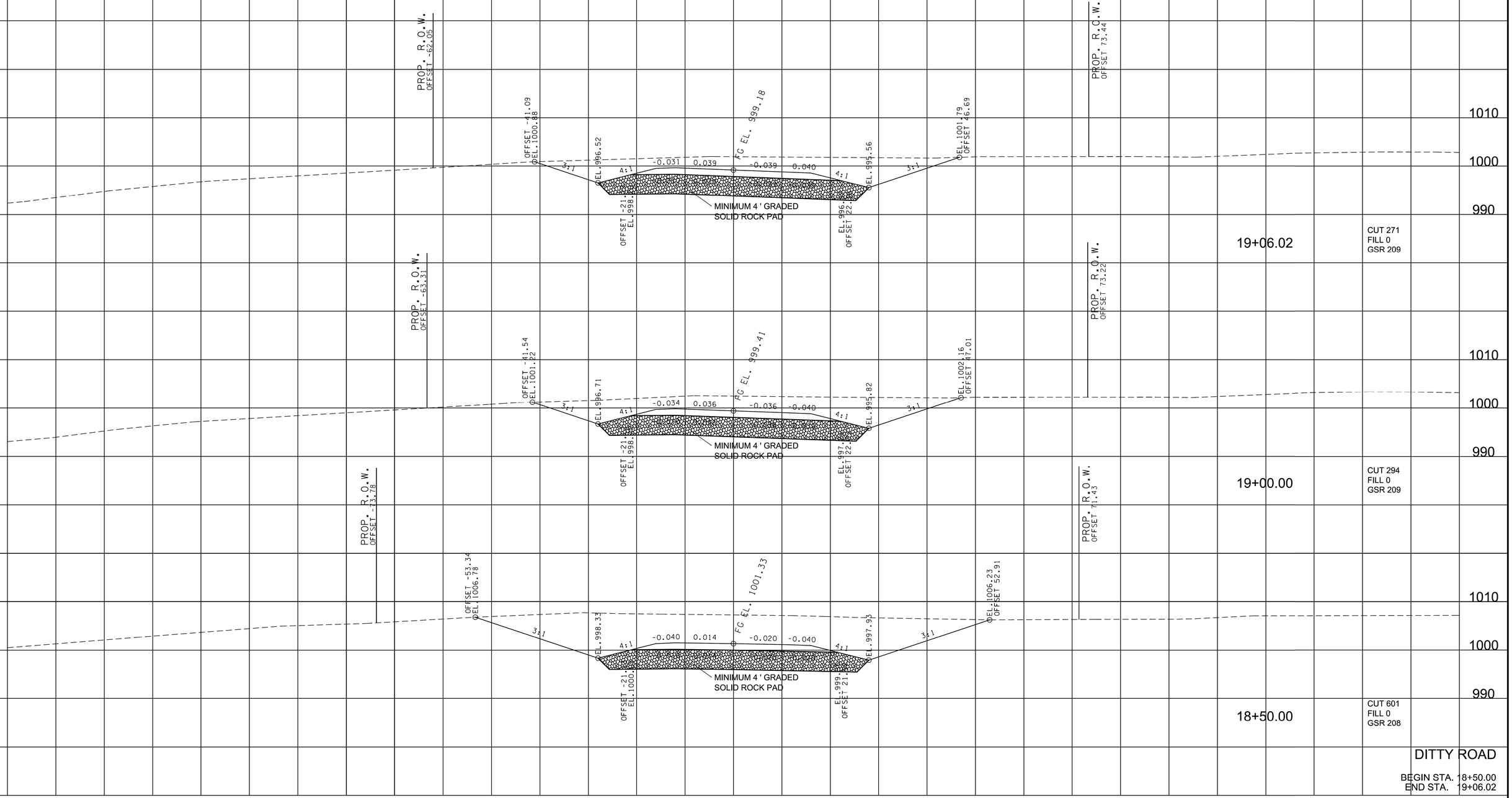
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	34
P.I.H.	2024	71951-3510-04	34
PS&E	2025	71951-3510-04	34

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
ADDED GRADED SOLID ROCK FROM STA 8+50 TO STA 19+50.



DITTY ROAD

BEGIN STA. 18+50.00
END STA. 19+06.02

2/20/2025 10:39:20 AM
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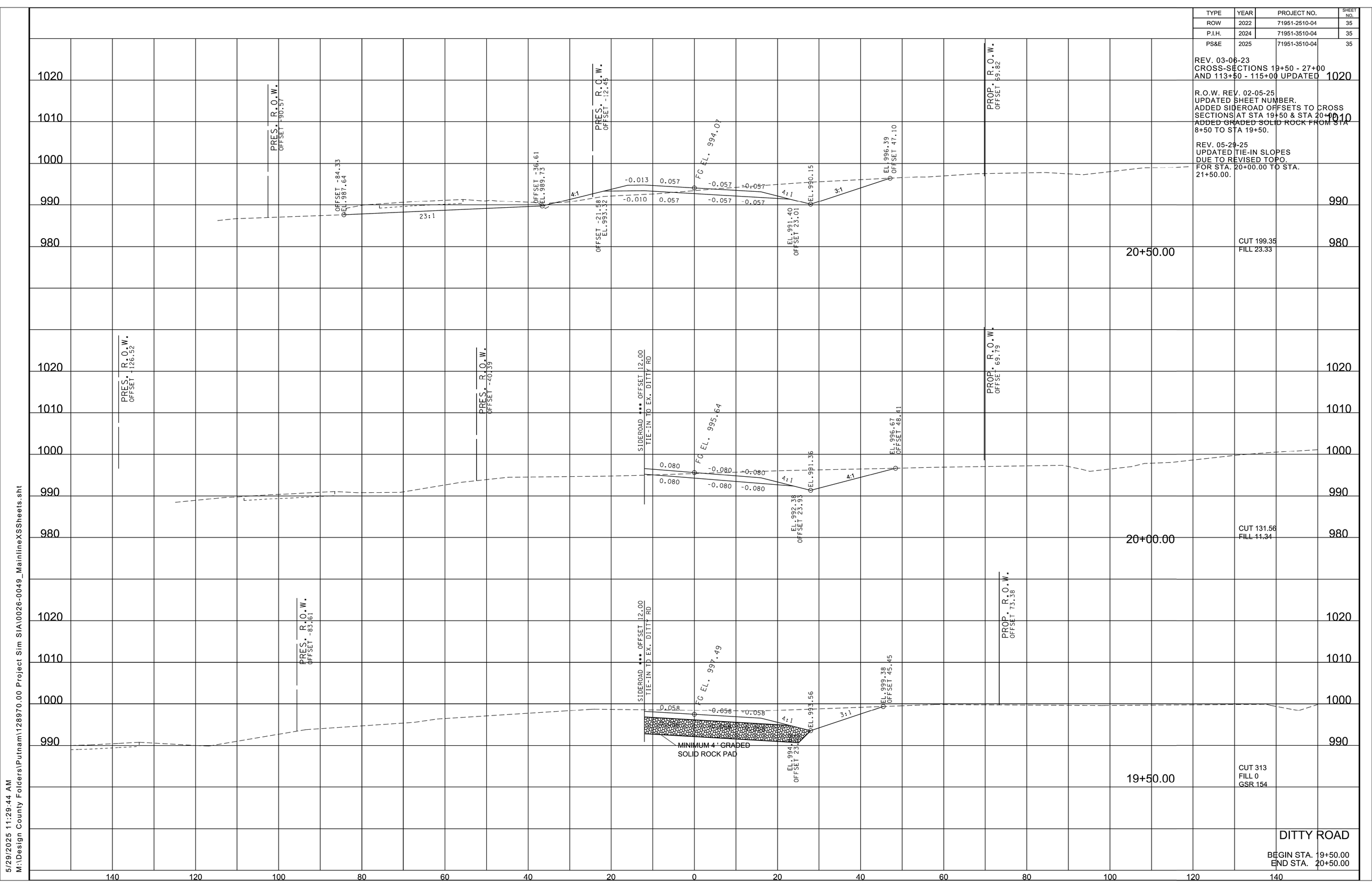
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	35
P.I.H.	2024	71951-3510-04	35
PS&E	2025	71951-3510-04	35

REV. 03-06-23
CROSS-SECTIONS 19+50 - 27+00
AND 113+50 - 115+00 UPDATED

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
ADDED SIDEROAD OFFSETS TO CROSS SECTIONS AT STA 19+50 & STA 20+00.
ADDED GRADED SOLID ROCK FROM STA 8+50 TO STA 19+50.

REV. 05-29-25
UPDATED TIE-IN SLOPES DUE TO REVISED TOPO.
FOR STA. 20+00.00 TO STA. 21+50.00.



DITTY ROAD

BEGIN STA. 19+50.00
END STA. 20+50.00

5/29/2025 11:29:44 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	36
P.I.H.	2024	71951-3510-04	36
PS&E	2025	71951-3510-04	36

REV. 03-06-23
CROSS-SECTIONS 19+50 - 27+00
AND 113+50 - 115+00 UPDATED

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.

REV. 05-29-25
UPDATED TIE-IN SLOPES
~~DUE TO REVISED TOPO.~~
FOR STA. 20+00.00 TO STA.
21+50.00.

DITTY ROAD

BEGIN STA. 20+92.55
END STA. 21+50.00

5/29/2025 11:29:46 AM
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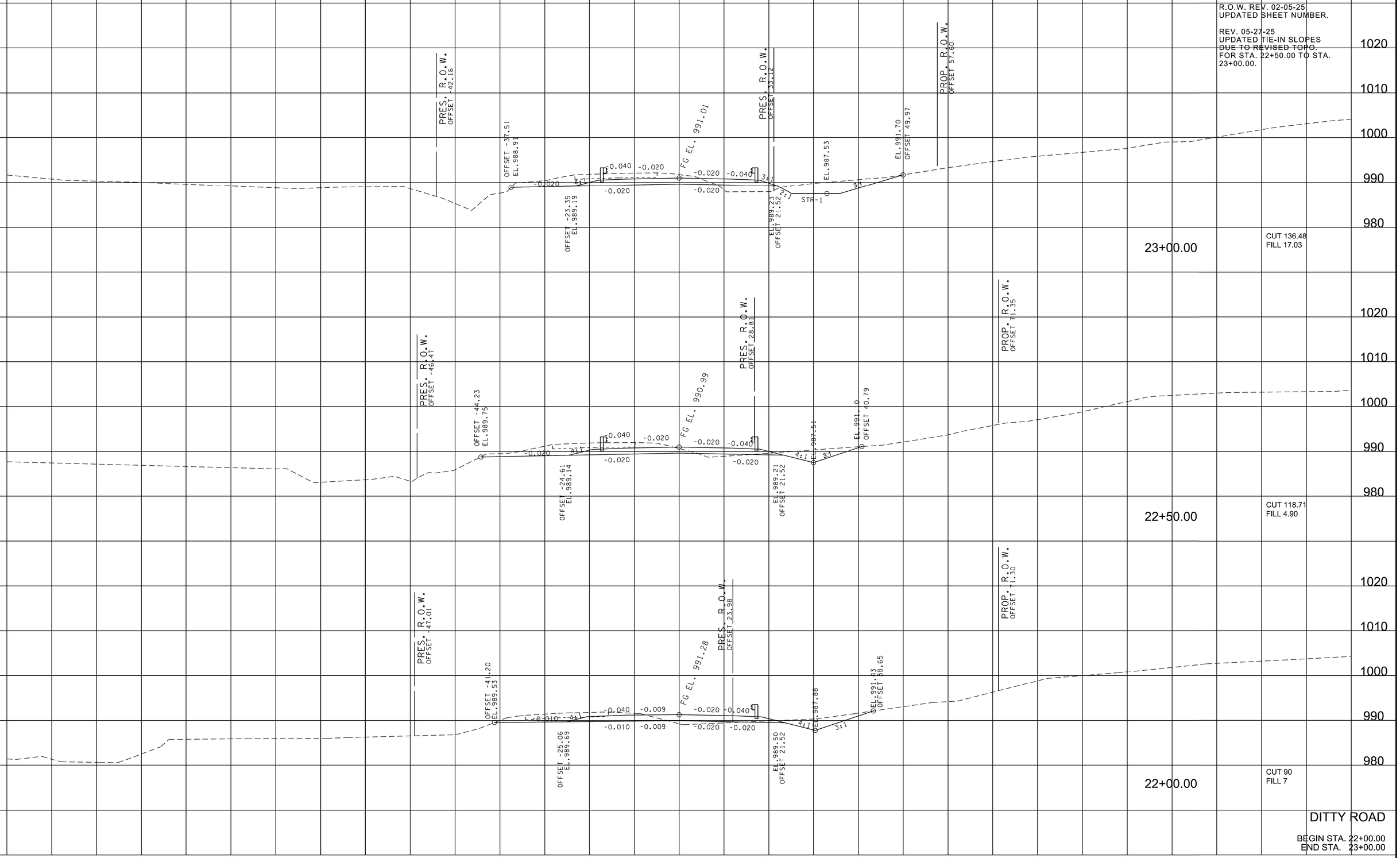
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	37
P.I.H.	2024	71951-3510-04	37
PS&E	2025	71951-3510-04	37

REV. 03-06-23
CROSS-SECTIONS 19+50 - 27+00
AND 113+50 - 115+00 UPDATED

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.

REV. 05-27-25
UPDATED TIE-IN SLOPES
~~DUE TO REVISED TOPO.~~
FOR STA. 22+50.00 TO STA.
23+00.00.



DITTY ROAD

BEGIN STA. 22+00.00
END STA. 23+00.00

5/29/2025 11:29:48 AM
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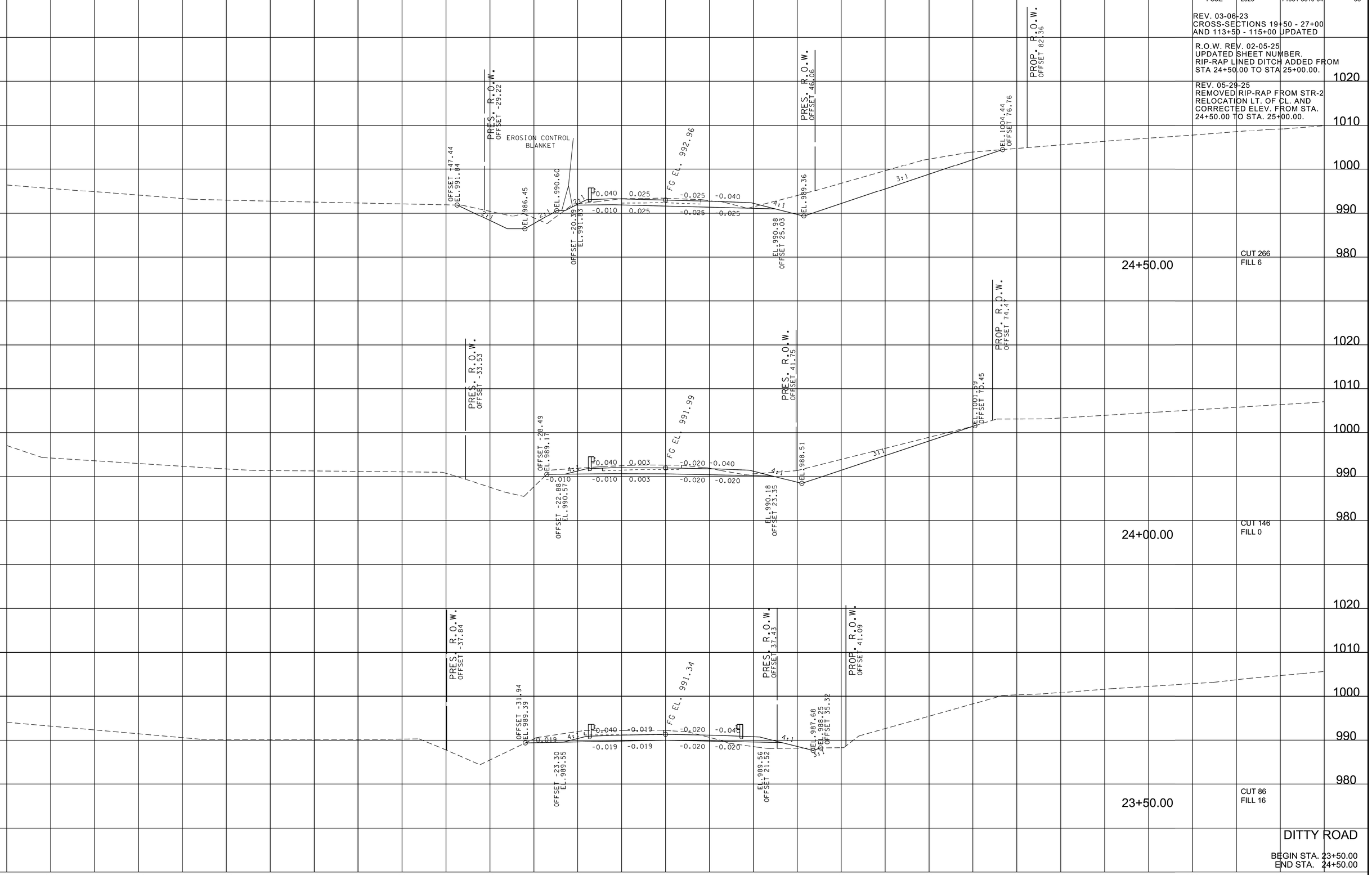
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	38
P.I.H.	2024	71951-3510-04	38
PS&E	2025	71951-3510-04	38

REV. 03-06-23
CROSS-SECTIONS 19+50 - 27+00 AND 113+50 - 115+00 UPDATED

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
RIP-RAP LINED DITCH ADDED FROM STA 24+50.00 TO STA 25+00.00.

REV. 05-29-25
REMOVED RIP-RAP FROM STR-2 RELOCATION LT. OF CL. AND CORRECTED ELEV. FROM STA. 24+50.00 TO STA. 25+00.00.



DITTY ROAD

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

5/29/2025 11:29:51 AM
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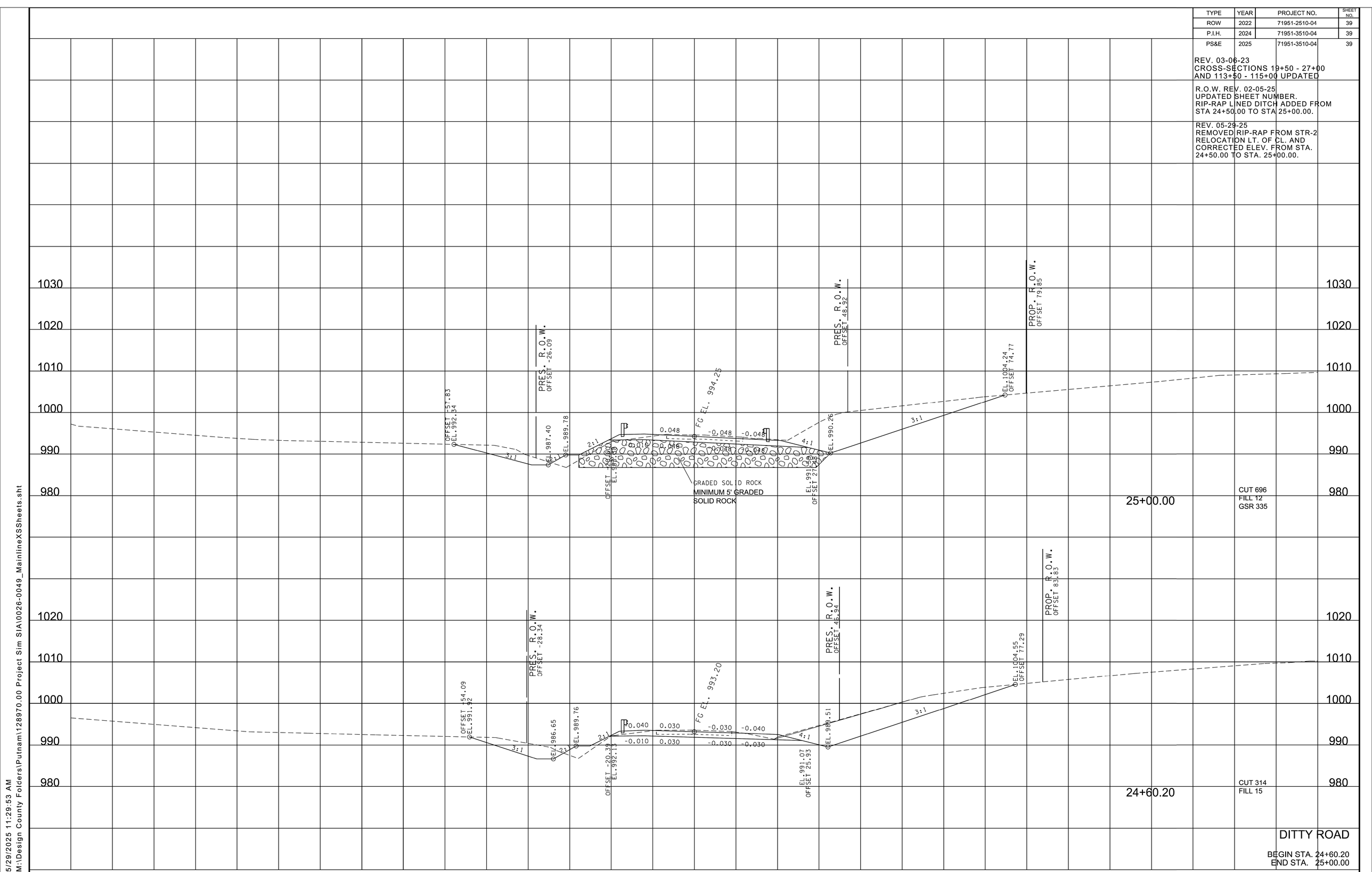
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	39
P.I.H.	2024	71951-3510-04	39
PS&E	2025	71951-3510-04	39

REV. 03-06-23
CROSS-SECTIONS 19+50 - 27+00
AND 113+50 - 115+00 UPDATED

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
RIP-RAP LINED DITCH ADDED FROM
STA 24+50.00 TO STA 25+00.00.

REV. 05-29-25
REMOVED RIP-RAP FROM STR-2
RELOCATION LT. OF CL. AND
CORRECTED ELEV. FROM STA.
24+50.00 TO STA. 25+00.00.



DITTY ROAD

BEGIN STA. 24+60.20
END STA. 25+00.00

5/29/2025 11:29:53 AM
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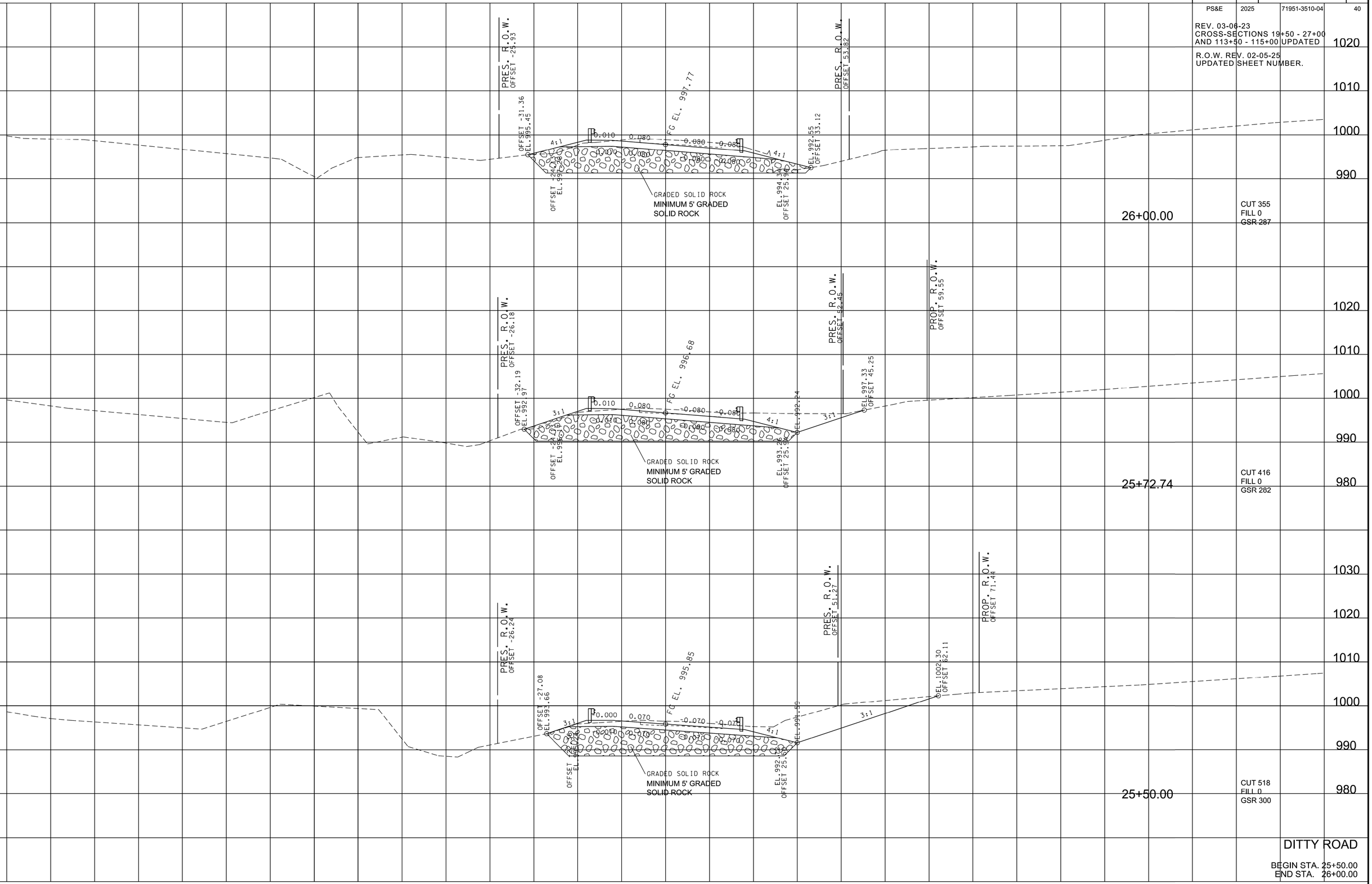
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	40
P.I.H.	2024	71951-3510-04	40
PS&E	2025	71951-3510-04	40

REV. 03-06-23
CROSS-SECTIONS 19+50 - 27+00 AND 113+50 - 115+00 UPDATED

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.



DITTY ROAD

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

2/20/2025 10:39:31 AM
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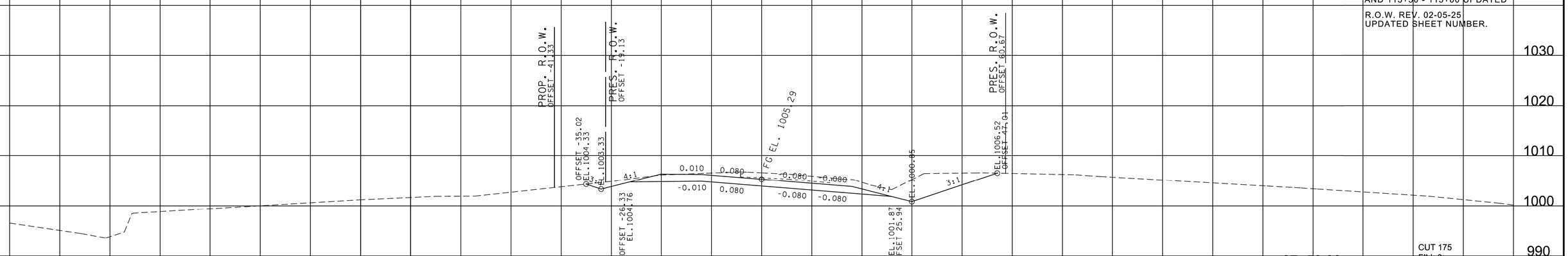
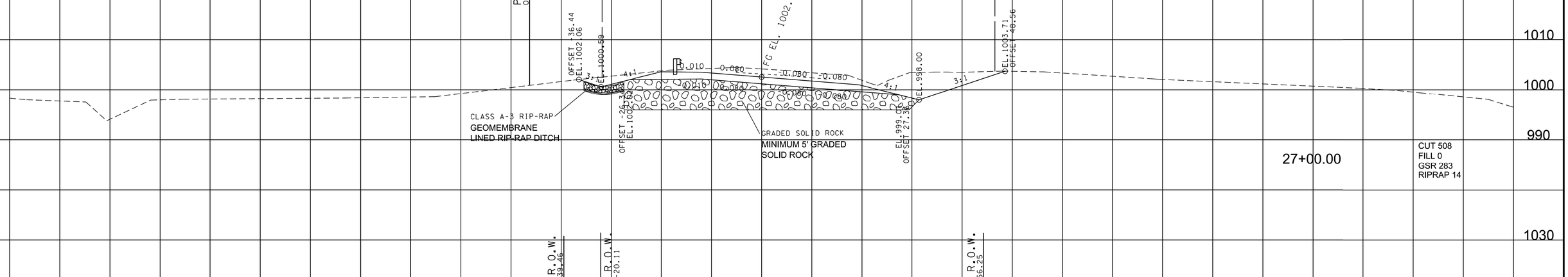
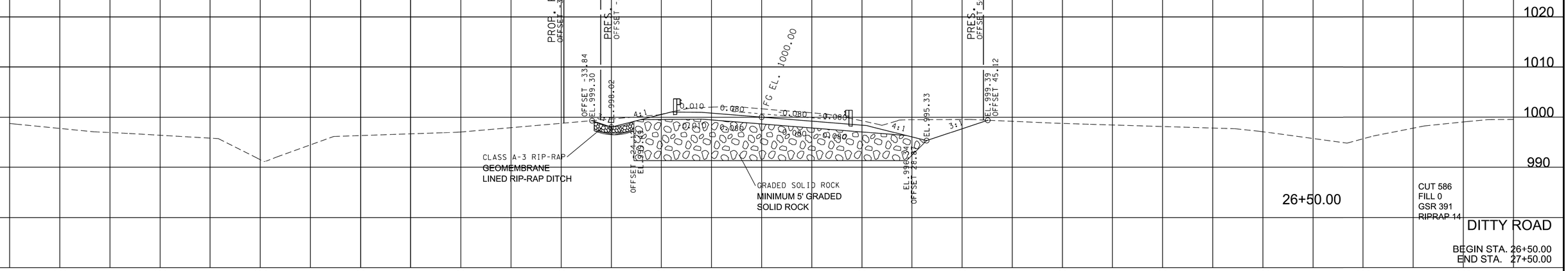
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	41
P.I.H.	2024	71951-3510-04	41
PS&E	2025	71951-3510-04	41

REV. 03-06-23
CROSS-SECTIONS 19+50 - 27+00
AND 113+50 - 115+00 UPDATED

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.







DITTY ROAD

BEGIN STA. 26+50.00
END STA. 27+50.00

2/20/2025 10:39:33 AM
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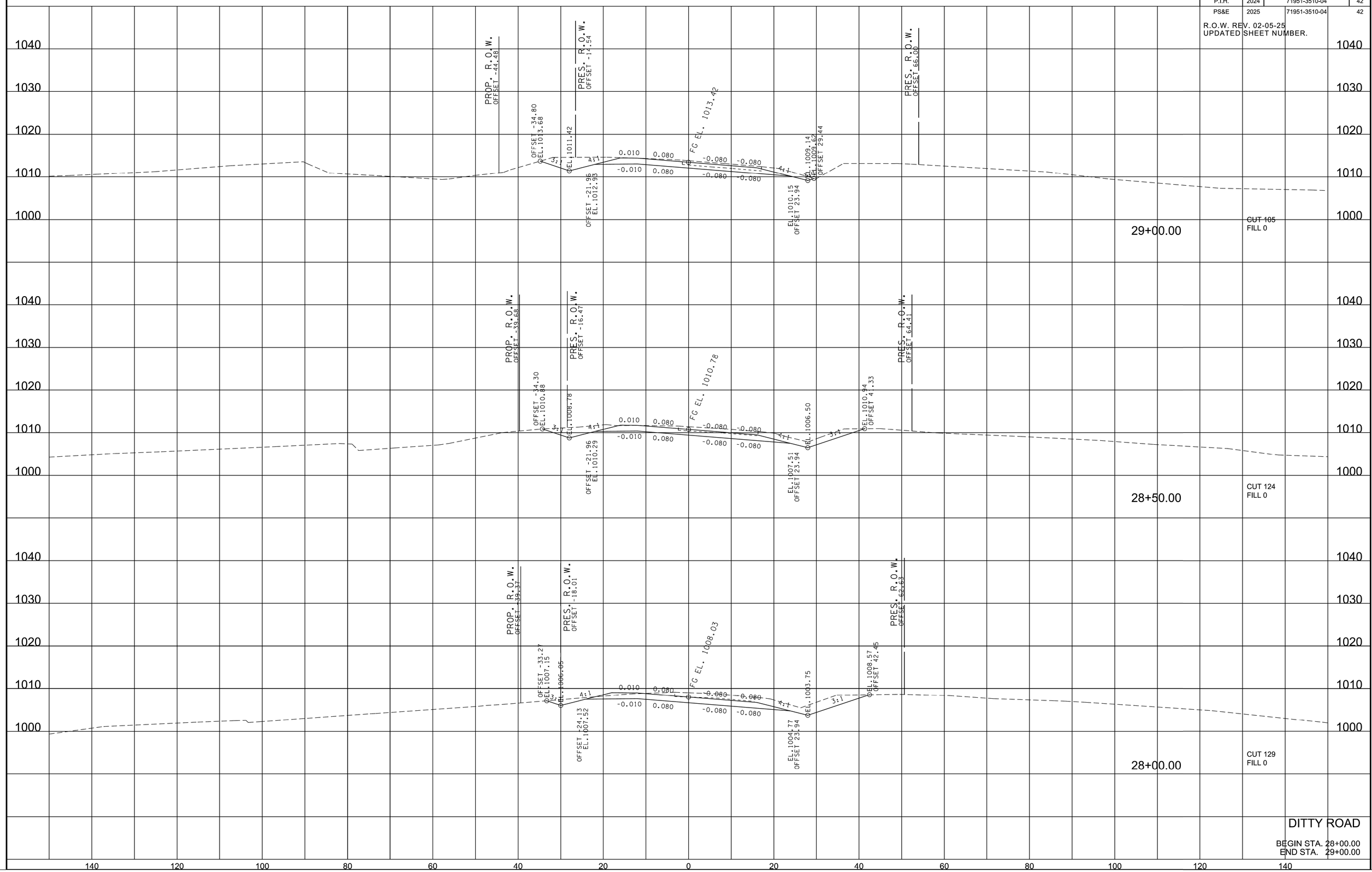
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	42
P.I.H.	2024	71951-3510-04	42
PS&E	2025	71951-3510-04	42

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.



DITTY ROAD

BEGIN STA. 28+00.00
END STA. 29+00.00

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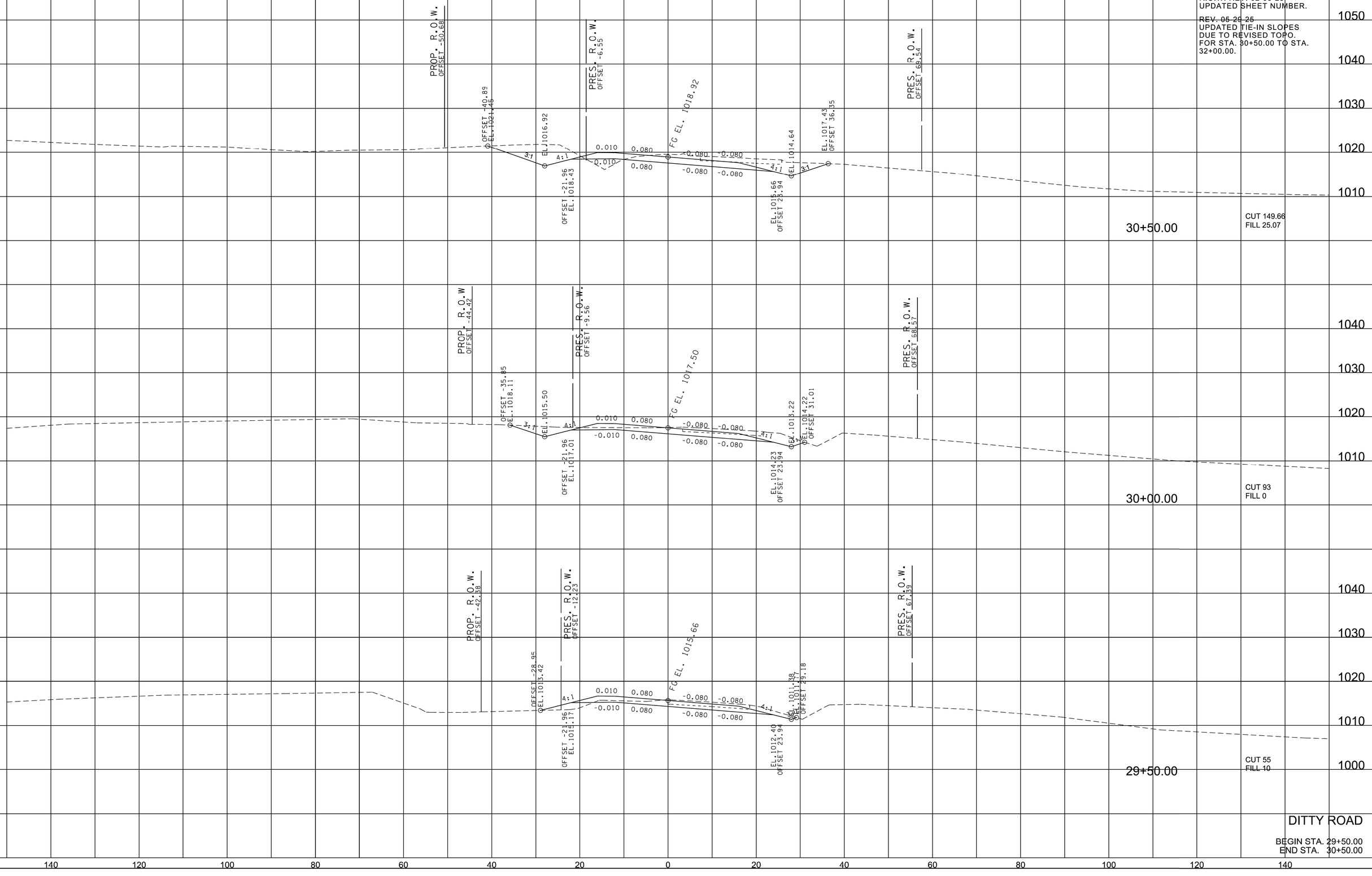
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	43
P.I.H.	2024	71951-3510-04	43
PS&E	2025	71951-3510-04	43

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.

REV. 05-29-25
UPDATED TIE-IN SLOPES
DUE TO REVISED TOPO.
FOR STA. 30+50.00 TO STA. 32+00.00.



DITTY ROAD

BEGIN STA. 29+50.00
END STA. 30+50.00

5/29/2025 11:30:03 AM
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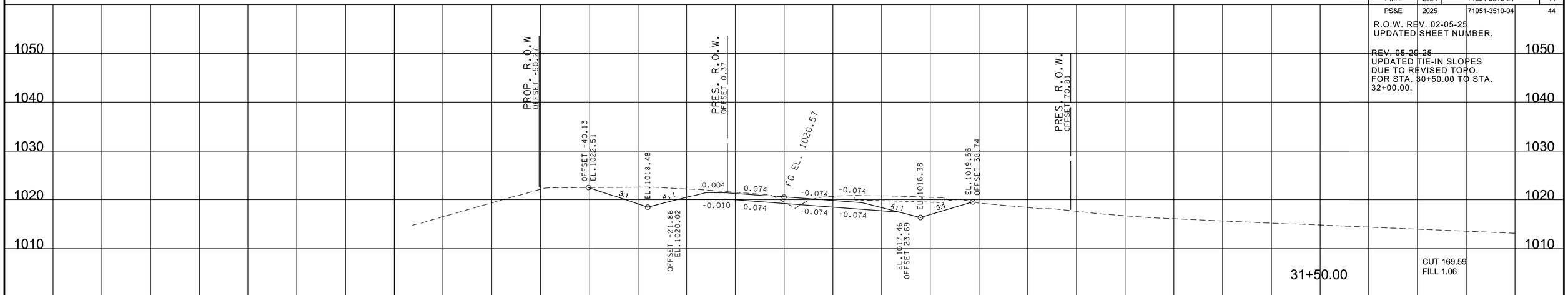
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	44
P.I.H.	2024	71951-3510-04	44
PS&E	2025	71951-3510-04	44

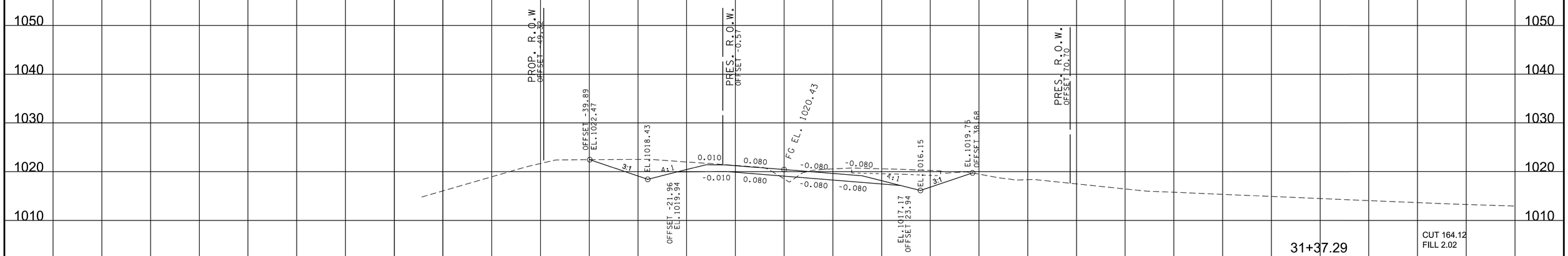
R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.

REV. 05-29-25
UPDATED TIE-IN SLOPES
DUE TO REVISED TOPO.
FOR STA. 30+50.00 TO STA.
32+00.00.



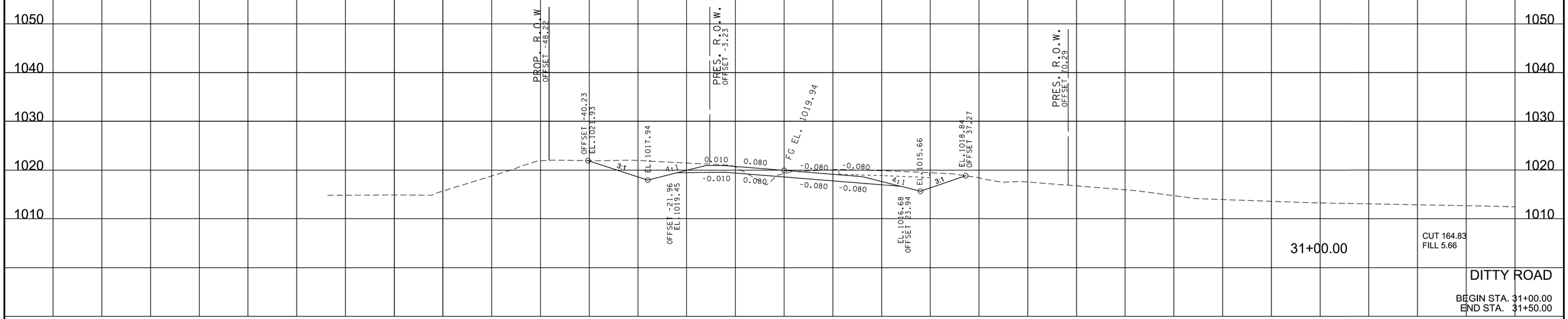
31+50.00

CUT 169.59
FILL 1.06



31+37.29

CUT 164.12
FILL 2.02



31+00.00

CUT 164.83
FILL 5.66

DITTY ROAD

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

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

5/29/2025 11:30:06 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	45
P.I.H.	2024	71951-3510-04	45
PS&E	2025	71951-3510-04	45

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.

R.O.W. REV. 05-12-25
UPDATED CROSS SECTIONS DUE TO REVISED TOPO.

REV. 05-29-25
~~UPDATED TIE-IN SLOPES~~
DUE TO REVISED TOPO.
FOR STA. 30+50.00 TO STA. 32+00.00.

5/29/2025 11:30:08 AM
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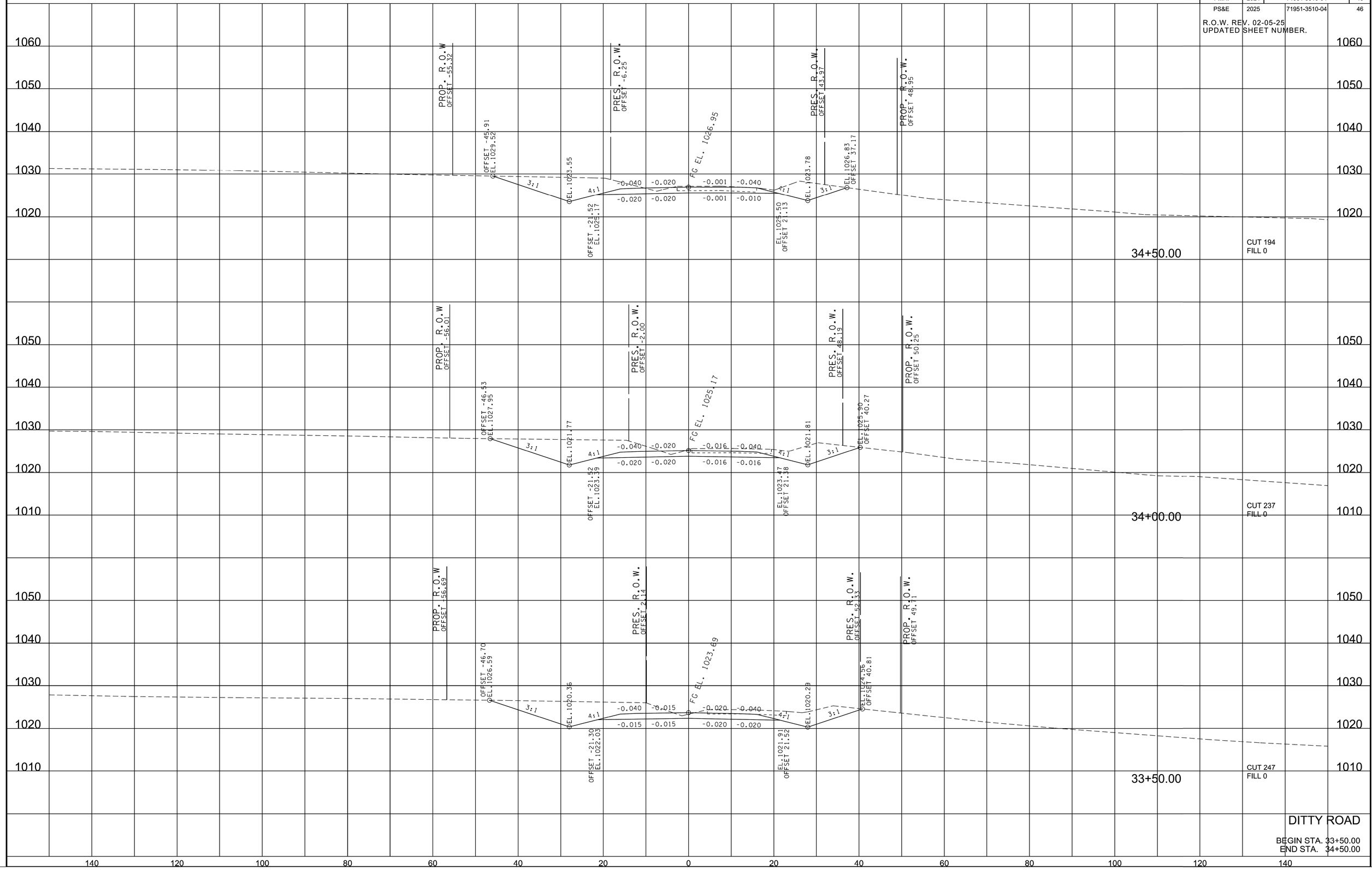
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	46
P.I.H.	2024	71951-3510-04	46
PS&E	2025	71951-3510-04	46

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.



2/20/2025 10:39:42 AM
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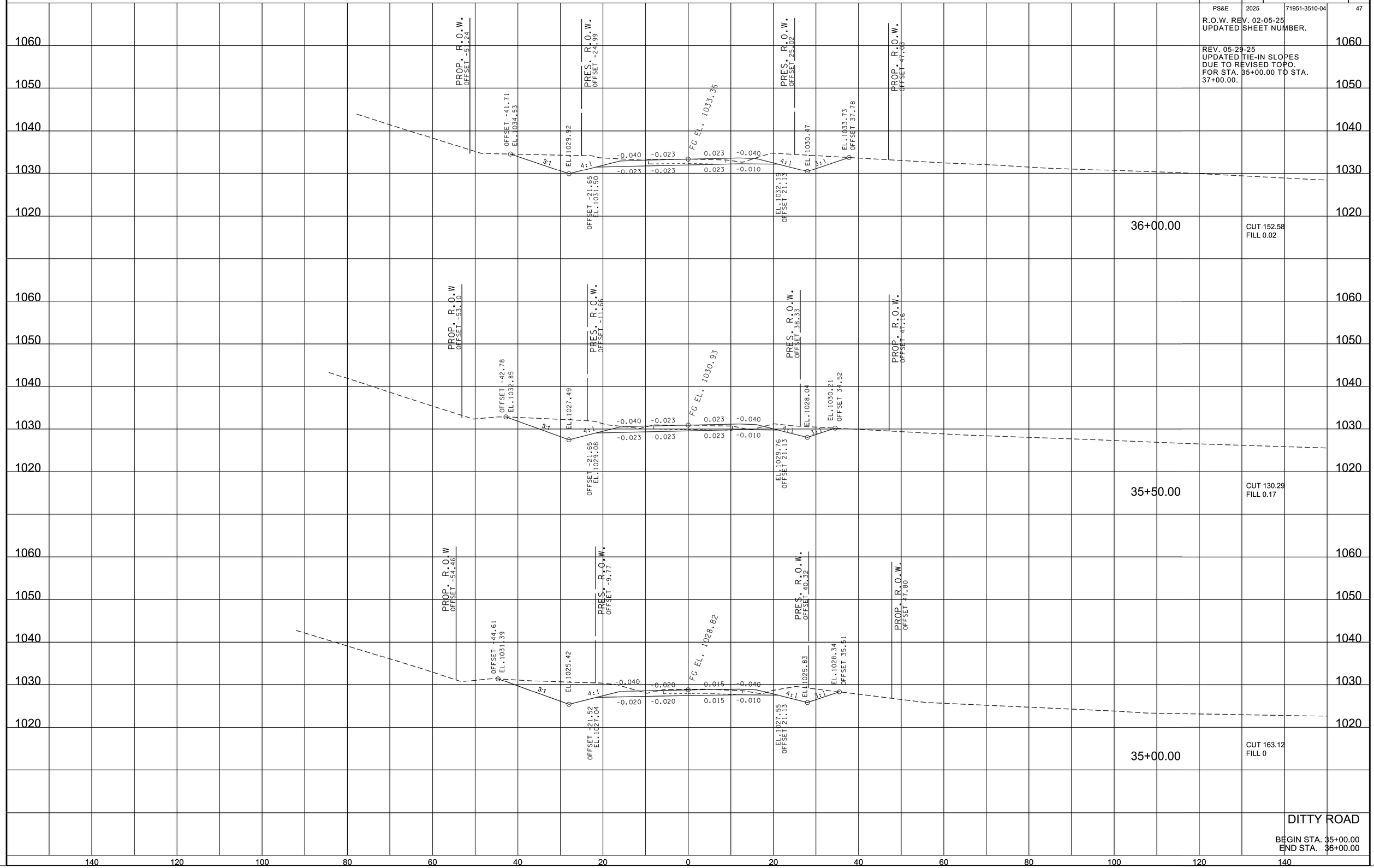
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	47
P.I.H.	2024	71951-3510-04	47
PS&E	2025	71951-3510-04	47

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.

REV. 05-29-25
UPDATED TIE-IN SLOPES
DUE TO REVISED TOPO.
FOR STA. 35+00.00 TO STA.
37+00.00.



DITTY ROAD

BEGIN STA. 35+00.00
END STA. 36+00.00

5/29/2025 11:30:13 AM
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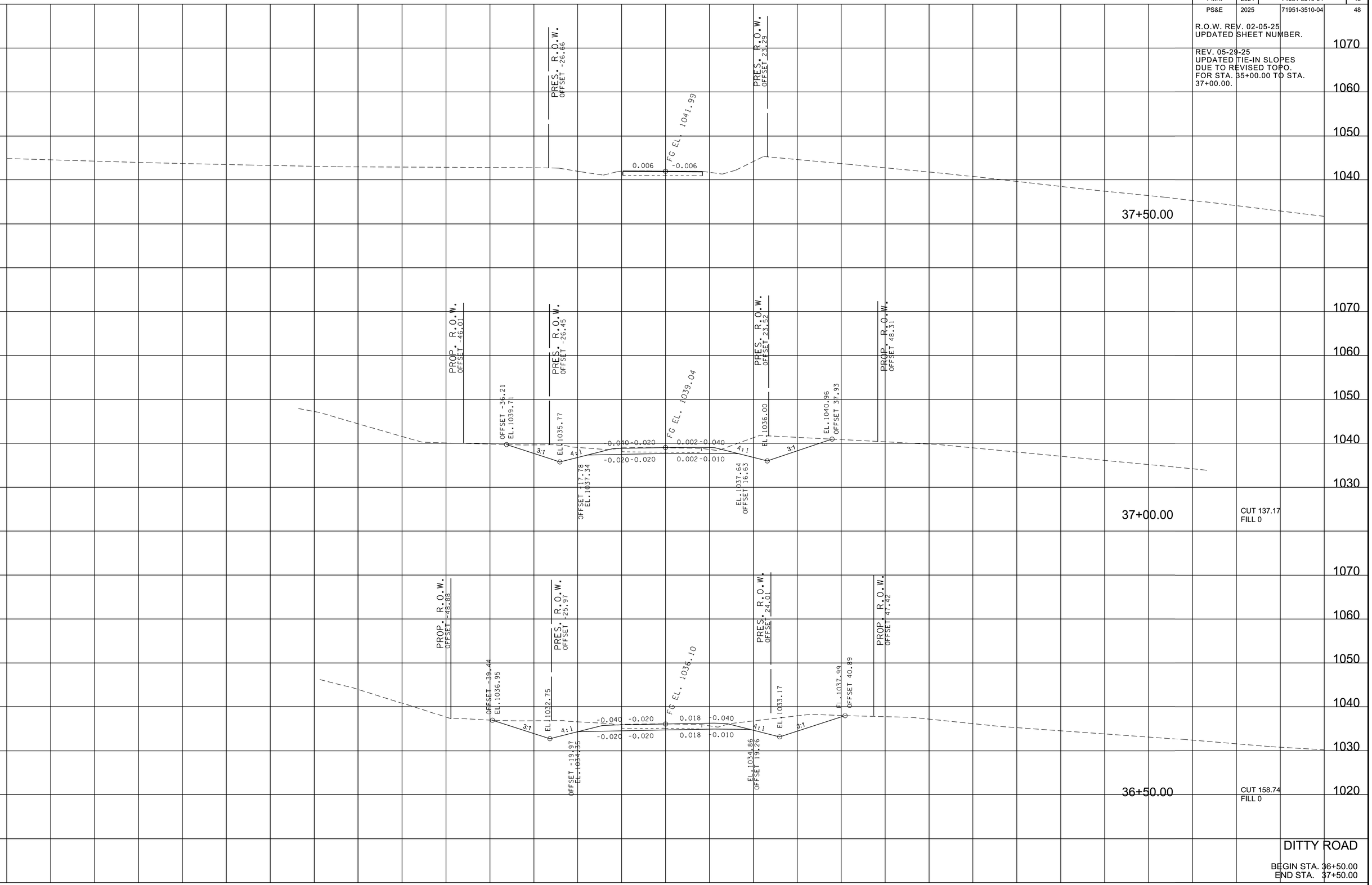
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	48
P.I.H.	2024	71951-3510-04	48
PS&E	2025	71951-3510-04	48

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.

REV. 05-29-25
UPDATED TIE-IN SLOPES
DUE TO REVISED TOPO.
FOR STA. 35+00.00 TO STA.
37+00.00.



5/29/2025 11:30:15 AM
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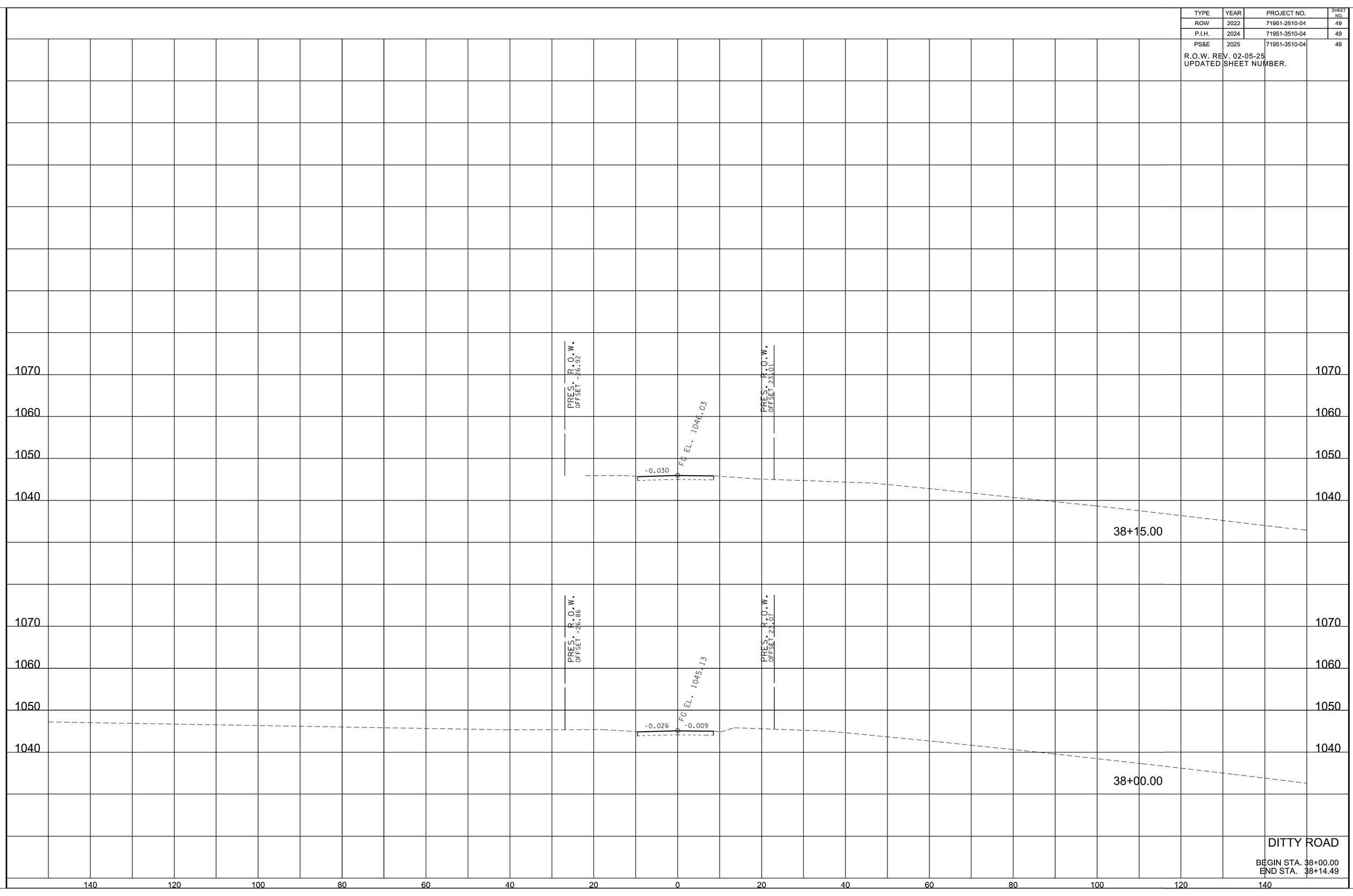
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	49
P.I.H.	2024	71951-3510-04	49
PS&E	2025	71951-3510-04	49

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.



DITTY ROAD

BEGIN STA. 38+00.00
END STA. 38+14.49

2/20/2025 10:39:47 AM
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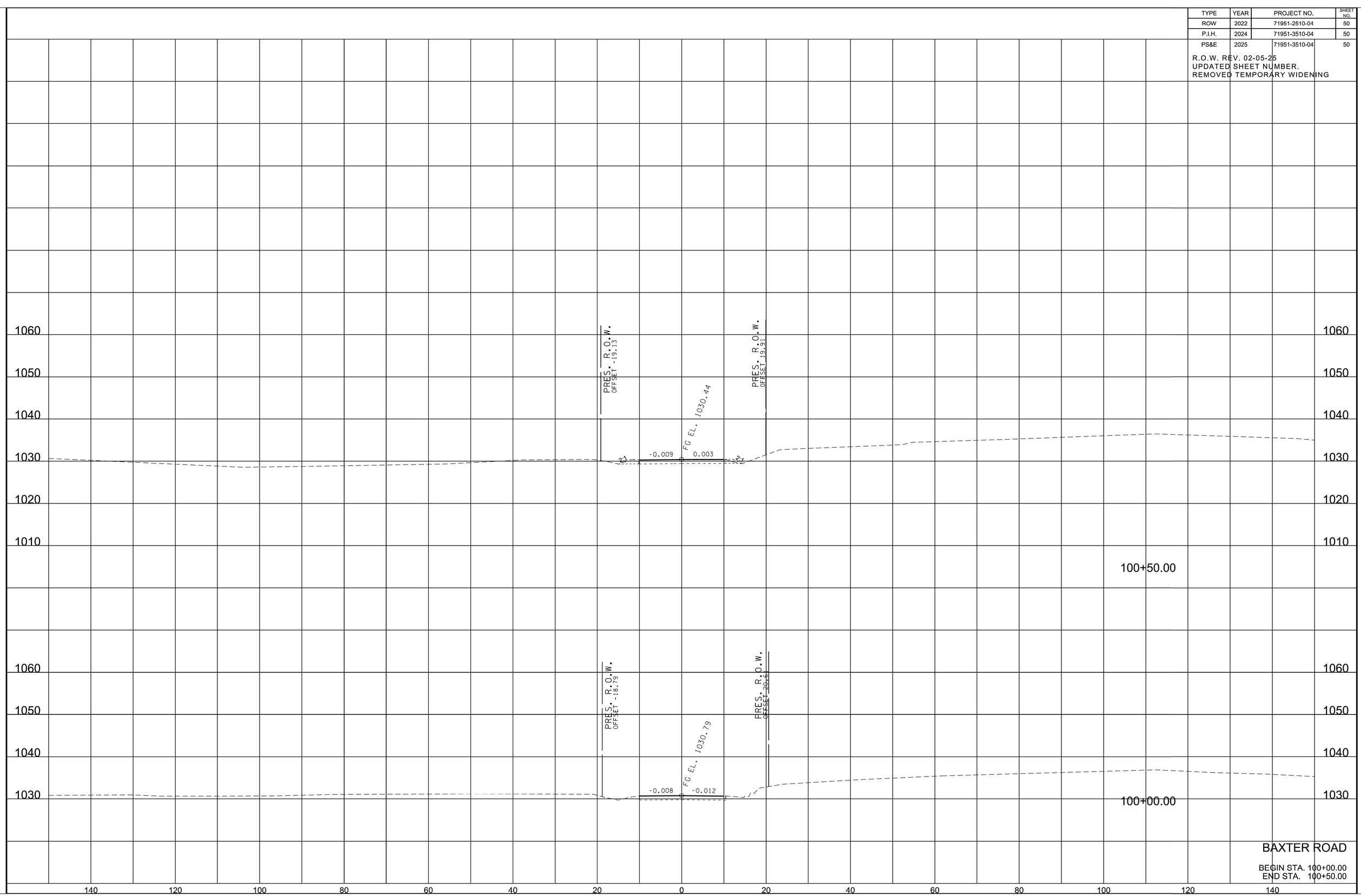
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	50
P.I.H.	2024	71951-3510-04	50
PS&E	2025	71951-3510-04	50

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
REMOVED TEMPORARY WIDENING



BAXTER ROAD

BEGIN STA. 100+00.00
END STA. 100+50.00

2/20/2025 10:39:49 AM
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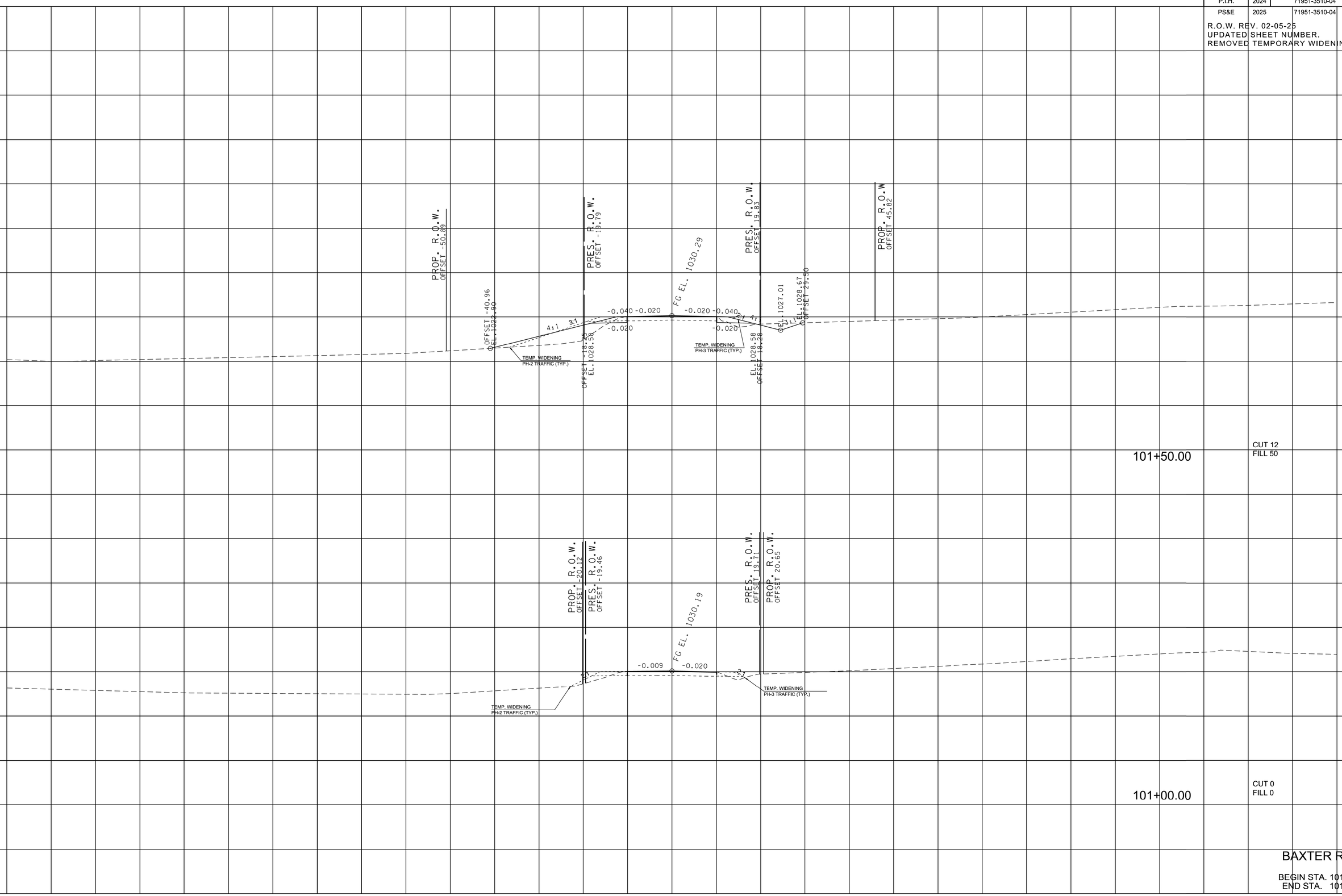
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	51
P.I.H.	2024	71951-3510-04	51
PS&E	2025	71951-3510-04	51

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
REMOVED TEMPORARY WIDENING



101+50.00

CUT 12
FILL 50

101+00.00

CUT 0
FILL 0

BAXTER ROAD

BEGIN STA. 101+00.00
END STA. 101+50.00

2/20/2025 10:39:49 AM
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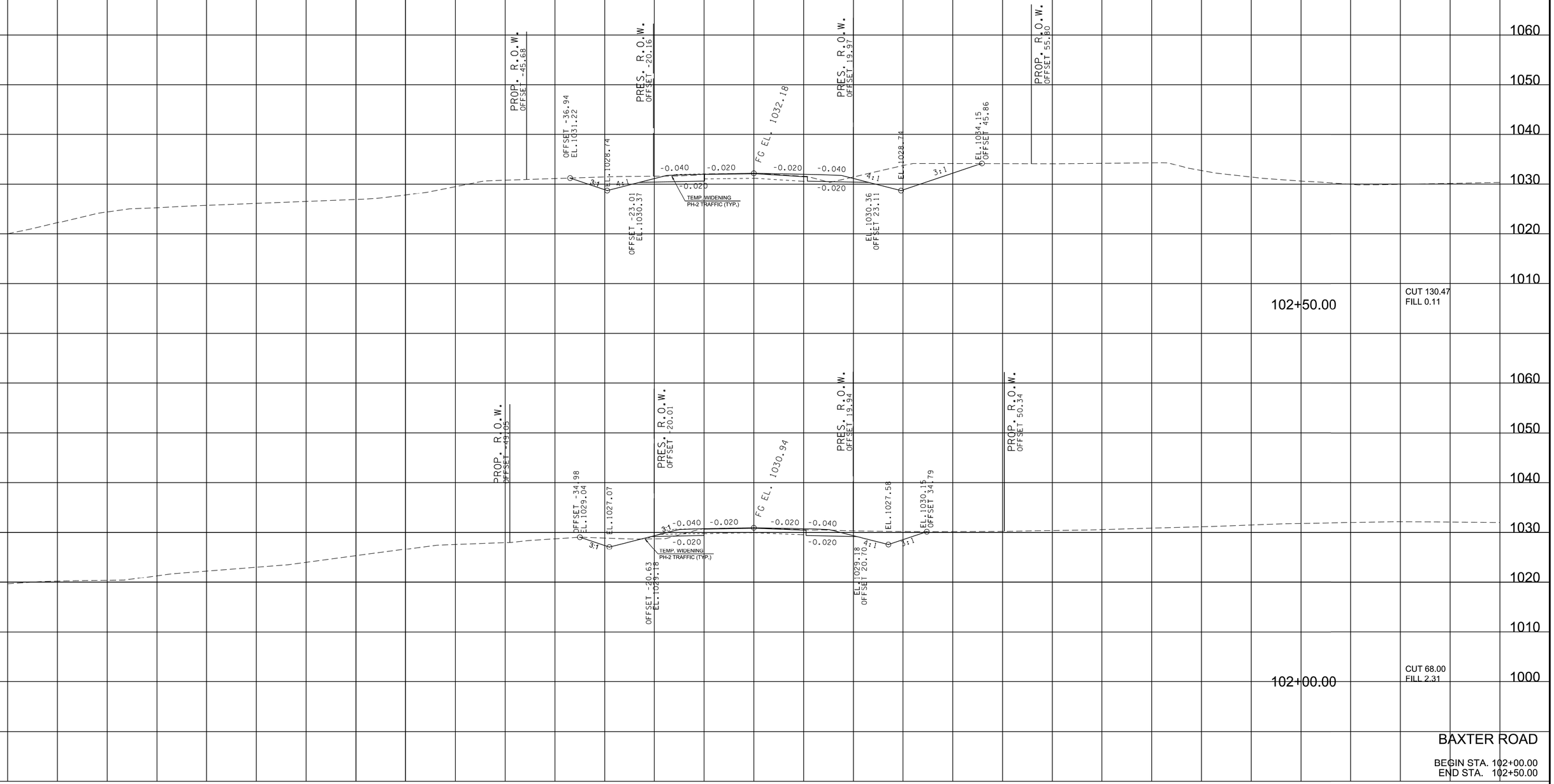
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	52
P.I.H.	2024	71951-3510-04	52
PS&E	2025	71951-3510-04	52

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
REMOVED TEMPORARY WIDENING

REV. 05-29-25
UPDATED TIE-IN SLOPES
DUE TO REVISED TOPO.
FOR STA. 102+00.00 TO STA.
103+50.00.



BAXTER ROAD

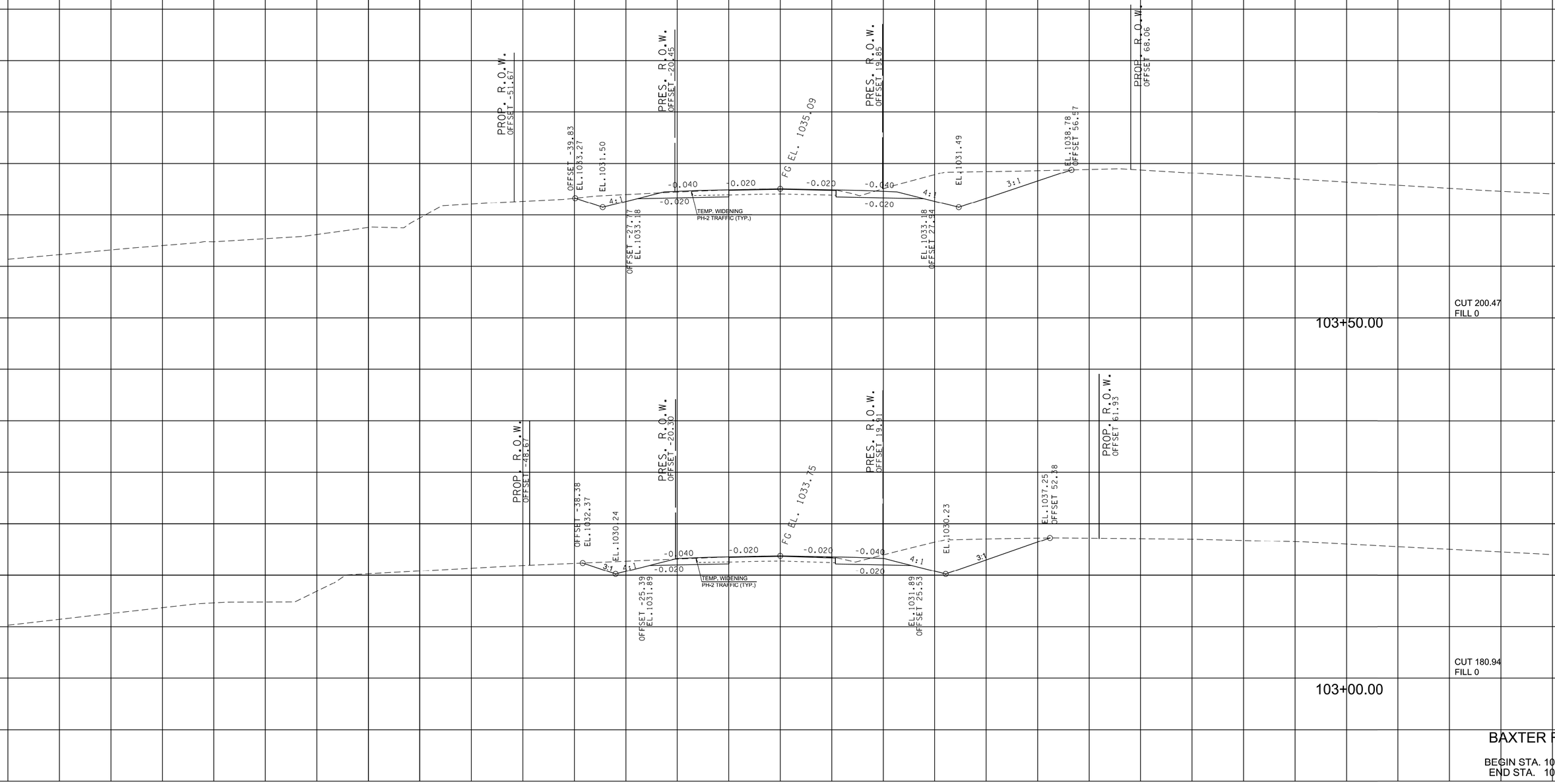
BEGIN STA. 102+00.00
END STA. 102+50.00

5/29/2025 11:30:20 AM
M:\Design County Folders\Putnam\128970.00 Project Sim SIA\0050-0064_BaxterXSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	53
P.I.H.	2024	71951-3510-04	53
PS&E	2025	71951-3510-04	53

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
REMOVED TEMPORARY WIDENING

REV. 05-29-25
UPDATED TIE-IN SLOPES
DUE TO REVISED TOPO.
FOR STA. 102+00.00 TO STA. 103+50.00.



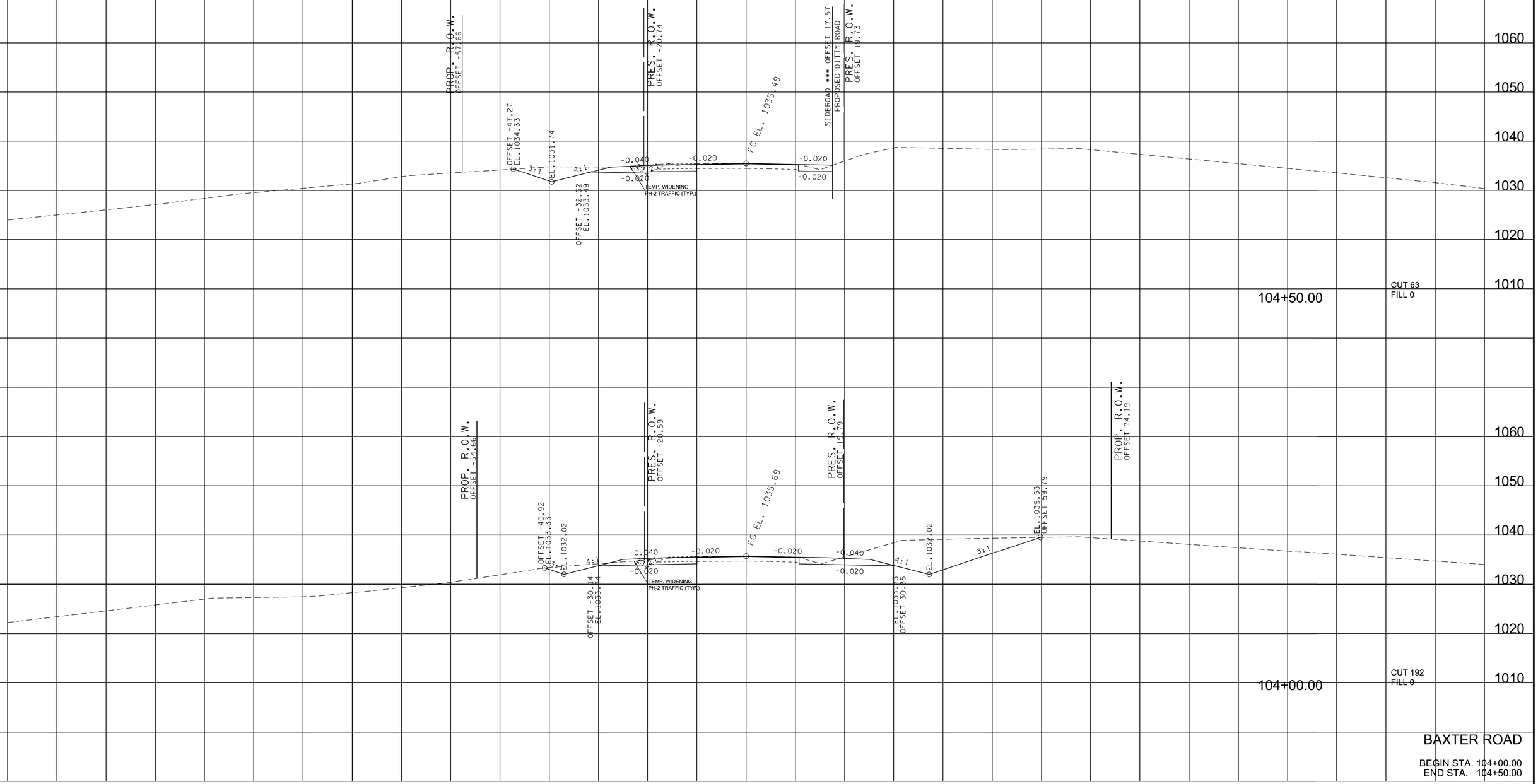
BAXTER ROAD

BEGIN STA. 103+00.00
END STA. 103+50.00

5/29/2025 11:30:21 AM
M:\Design County Folders\Putnam\128970.00 Project Sim SIA\0050-0064_BaxterXSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	54
P.I.H.	2024	71951-3510-04	54
PS&E	2025	71951-3510-04	54

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
REMOVED TEMPORARY WIDENING



BAXTER ROAD

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

2/20/2025 10:39:51 AM
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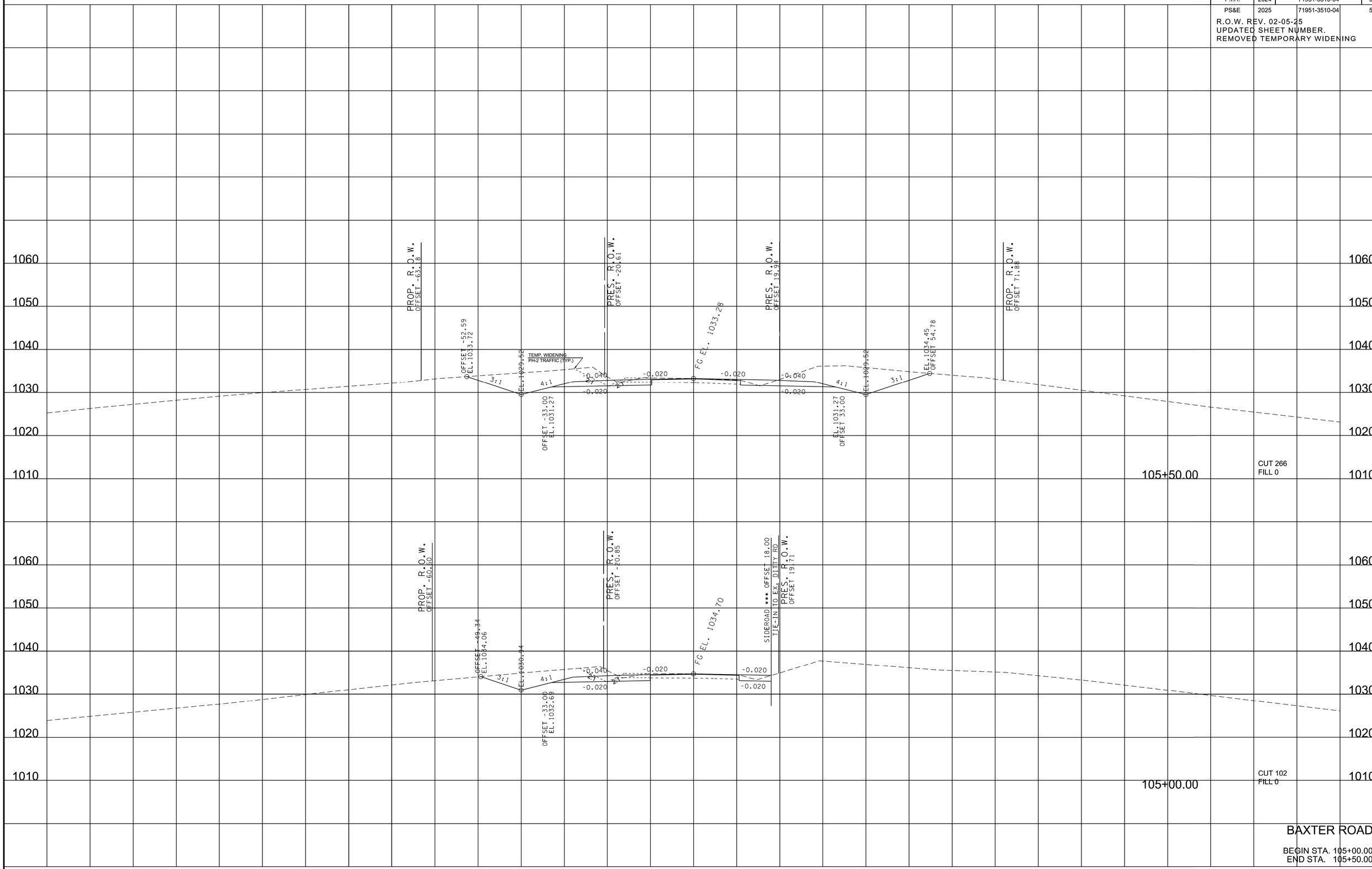
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	55
P.I.H.	2024	71951-3510-04	55
PS&E	2025	71951-3510-04	55

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
REMOVED TEMPORARY WIDENING



BAXTER ROAD

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

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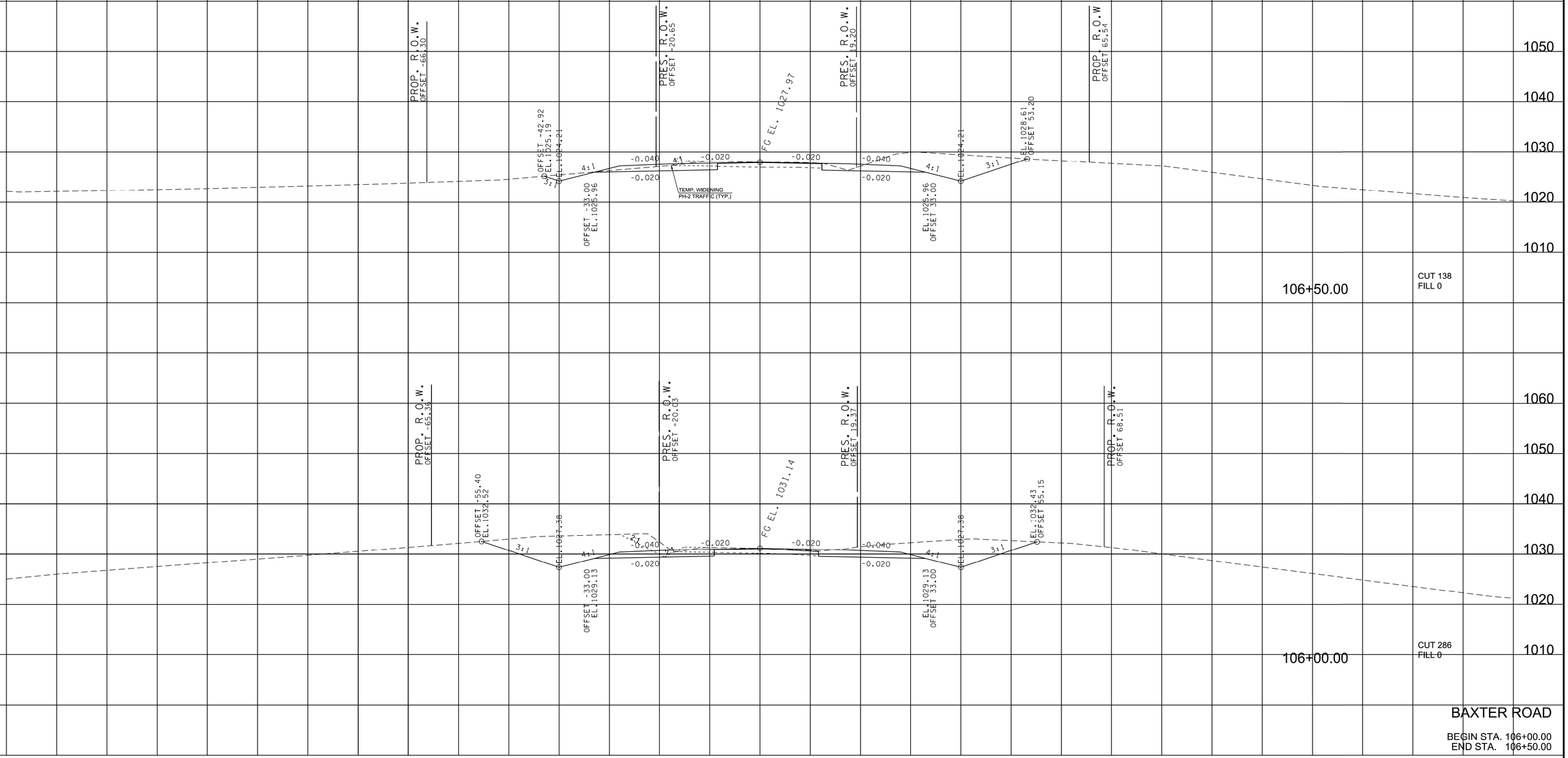
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	56
P.I.H.	2024	71951-3510-04	56
PS&E	2025	71951-3510-04	56

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
REMOVED TEMPORARY WIDENING



BAXTER ROAD

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END STA. 106+50.00

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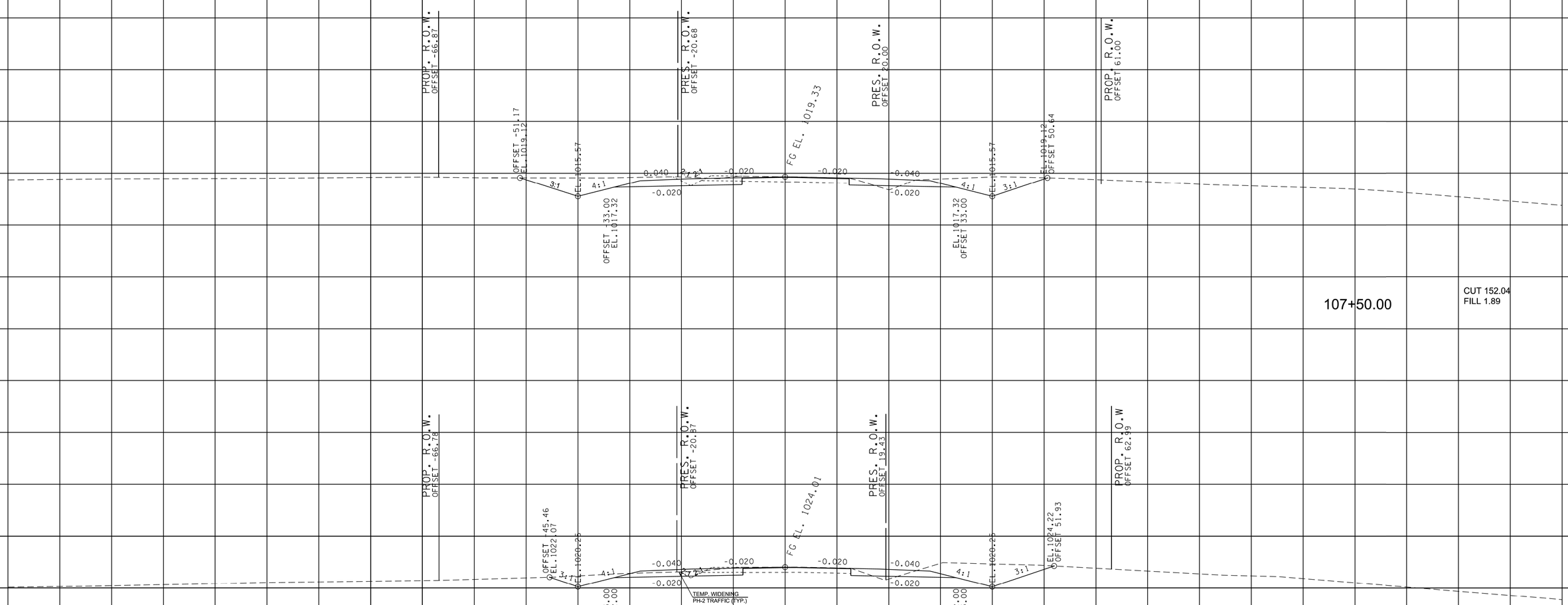
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	57
P.I.H.	2024	71951-3510-04	57
PS&E	2025	71951-3510-04	57

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
REMOVED TEMPORARY WIDENING

REV. 05-29-25
UPDATED TIE-IN SLOPES
DUE TO REVISED TOPO.
FOR STA. 107+50.00.



107+50.00

CUT 152.04
FILL 1.89

107+00.00

CUT 113
FILL 2

BAXTER ROAD

BEGIN STA. 107+00.00
END STA. 107+50.00

5/29/2025 11:30:23 AM
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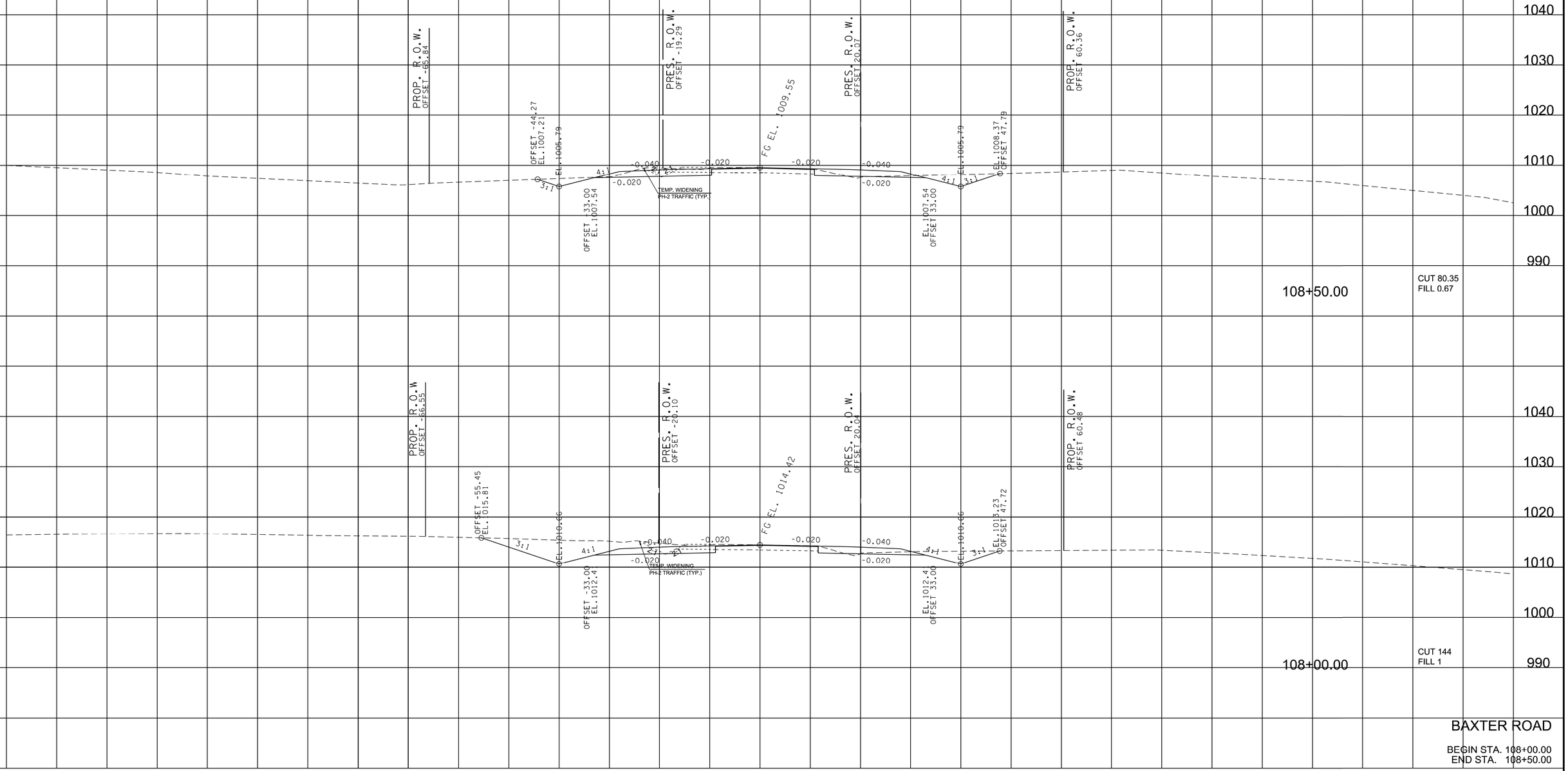
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	58
P.I.H.	2024	71951-3510-04	58
PS&E	2025	71951-3510-04	58

REV. 11-13-24
UPDATED SHEET NUMBER.

REV. 02-05-25
DISREGARD REV. 11-13-24 DUE TO NOT BEING SUBMITTED FOR ROW REVISION.
UPDATED SHEET NUMBER.

REV. 05-29-25
UPDATED TIE-IN SLOPES
DUE TO REVISED TOPO.
FOR STA. 108+50.00.



BAXTER ROAD

BEGIN STA. 108+00.00
END STA. 108+50.00

5/29/2025 11:30:33 AM
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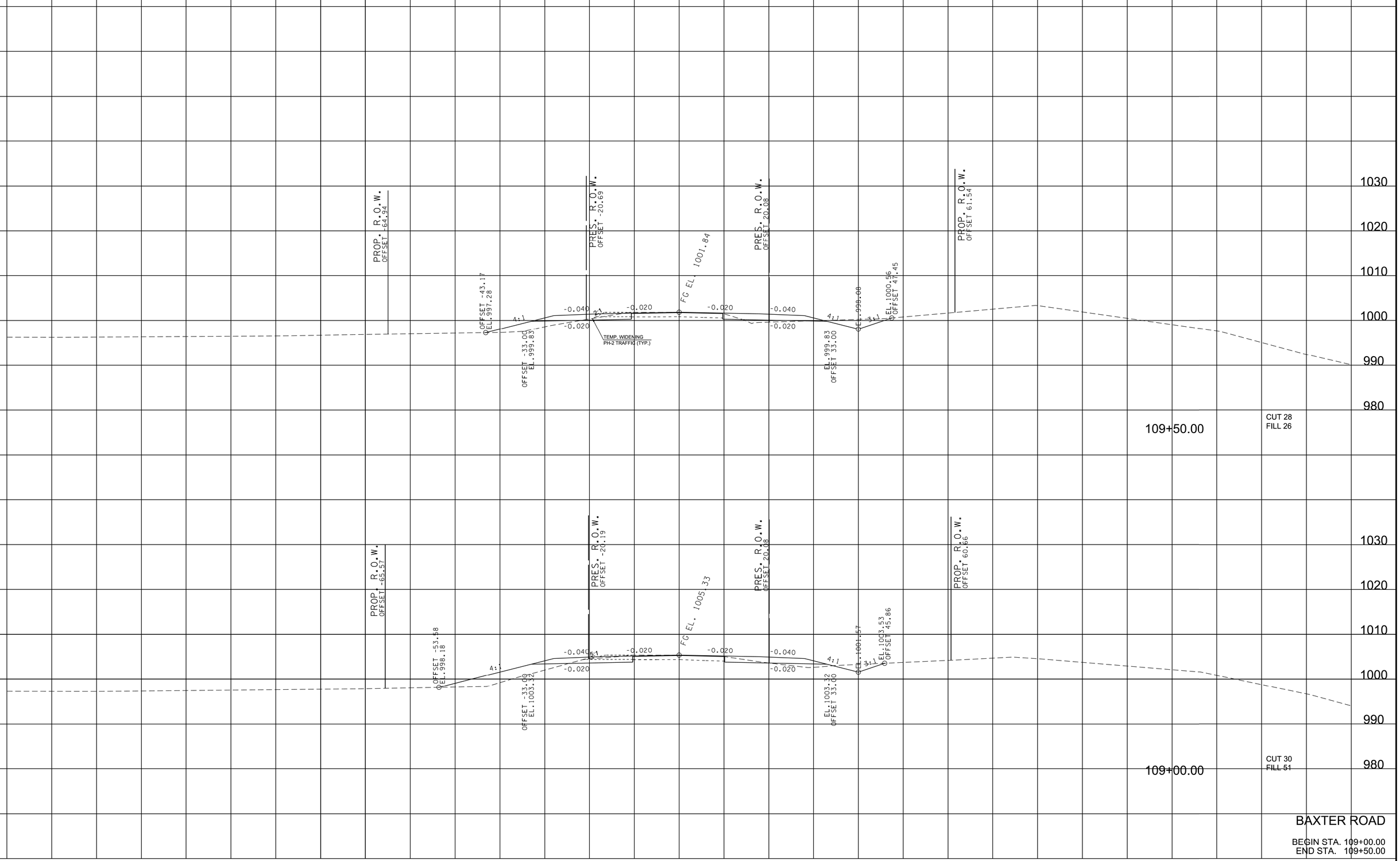
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	59
P.I.H.	2024	71951-3510-04	59
PS&E	2025	71951-3510-04	59

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
REMOVED TEMPORARY WIDENING



BAXTER ROAD

BEGIN STA. 109+00.00
END STA. 109+50.00

2/20/2025 10:39:53 AM
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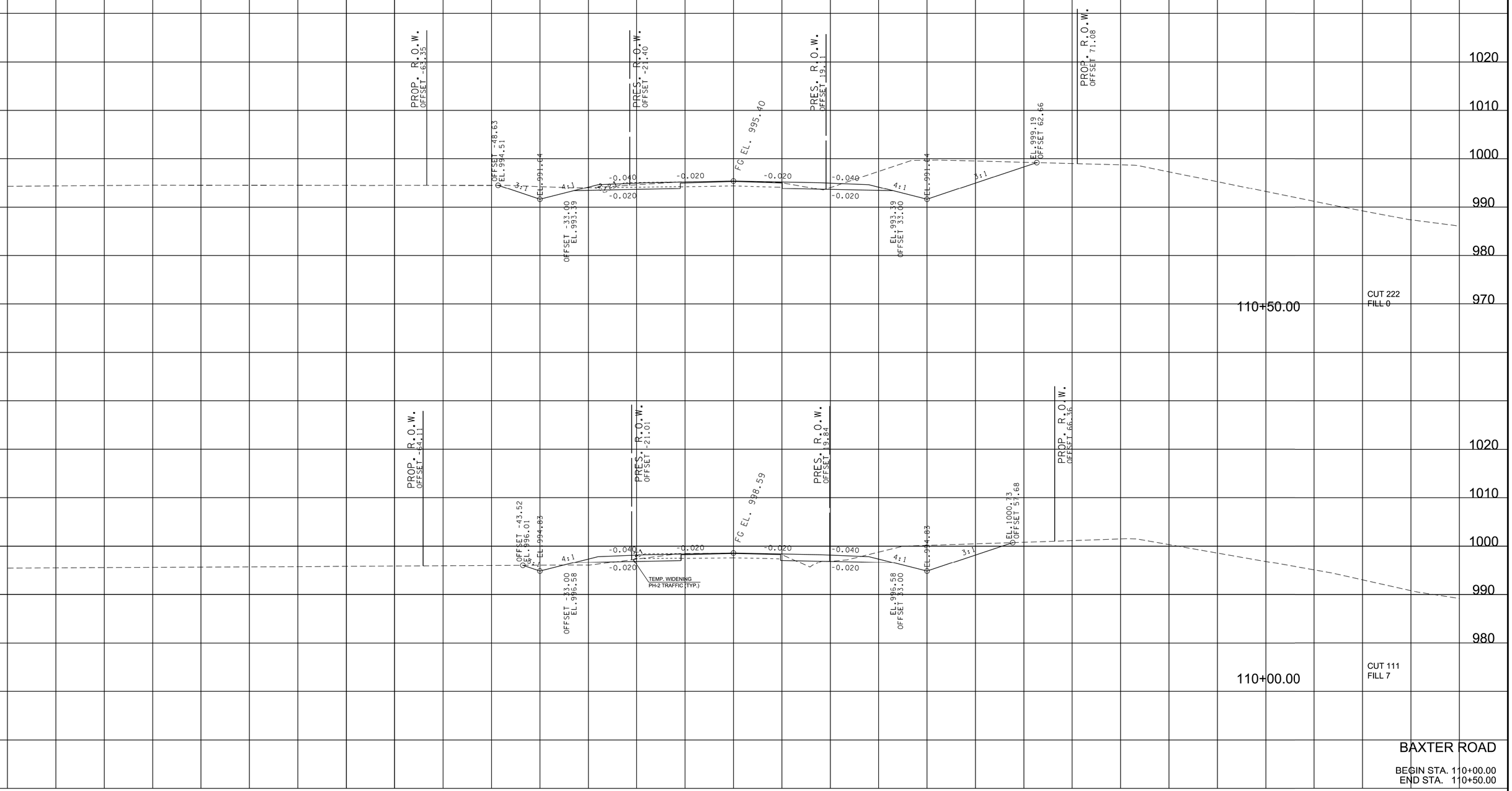
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	60
P.I.H.	2024	71951-3510-04	60
PS&E	2025	71951-3510-04	60

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
REMOVED TEMPORARY WIDENING



BAXTER ROAD

BEGIN STA. 110+00.00
END STA. 110+50.00

2/20/2025 10:40:01 AM
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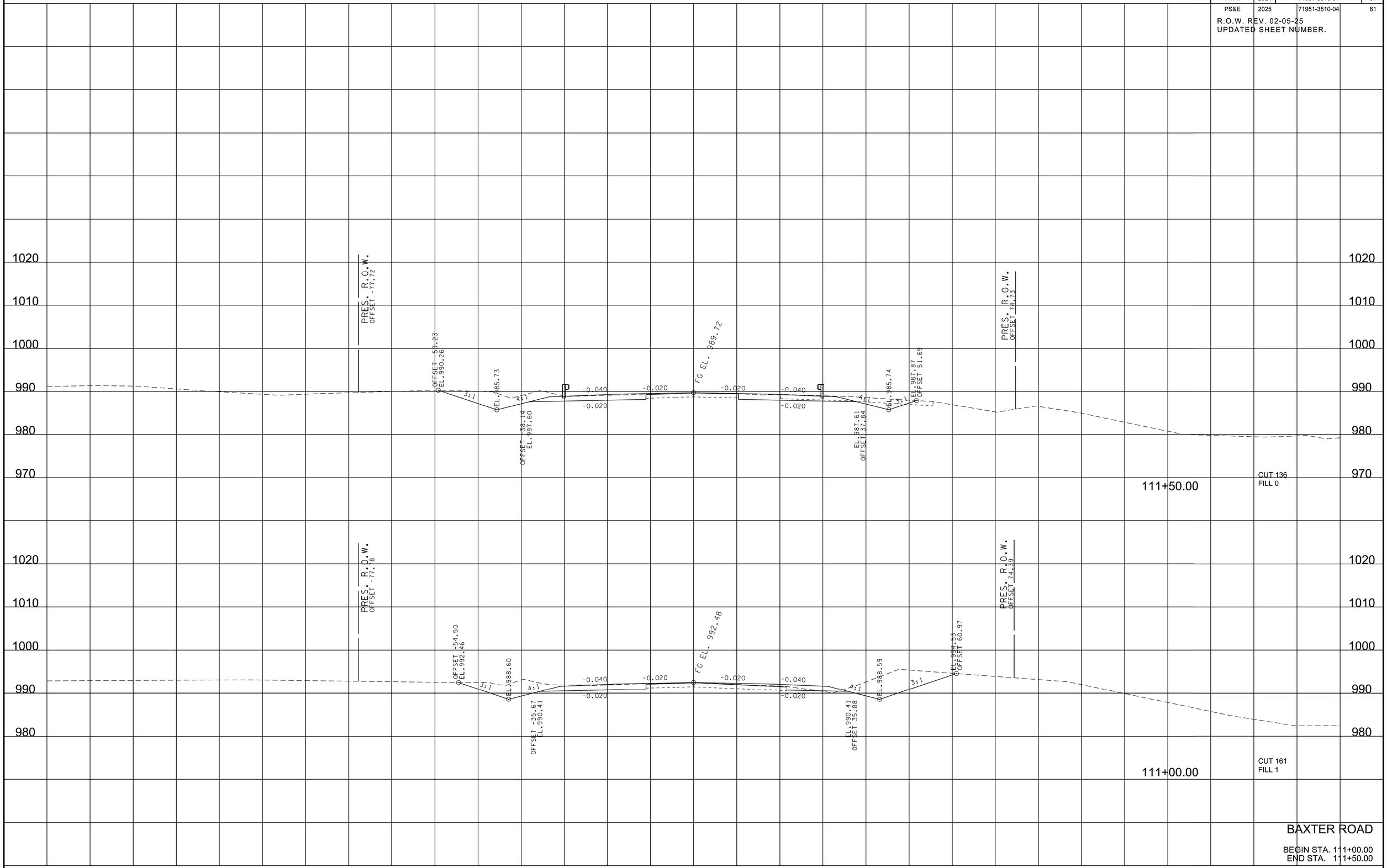
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	61
P.I.H.	2024	71951-3510-04	61
PS&E	2025	71951-3510-04	61

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.



BAXTER ROAD

BEGIN STA. 111+00.00
END STA. 111+50.00

2/20/2025 10:40:02 AM
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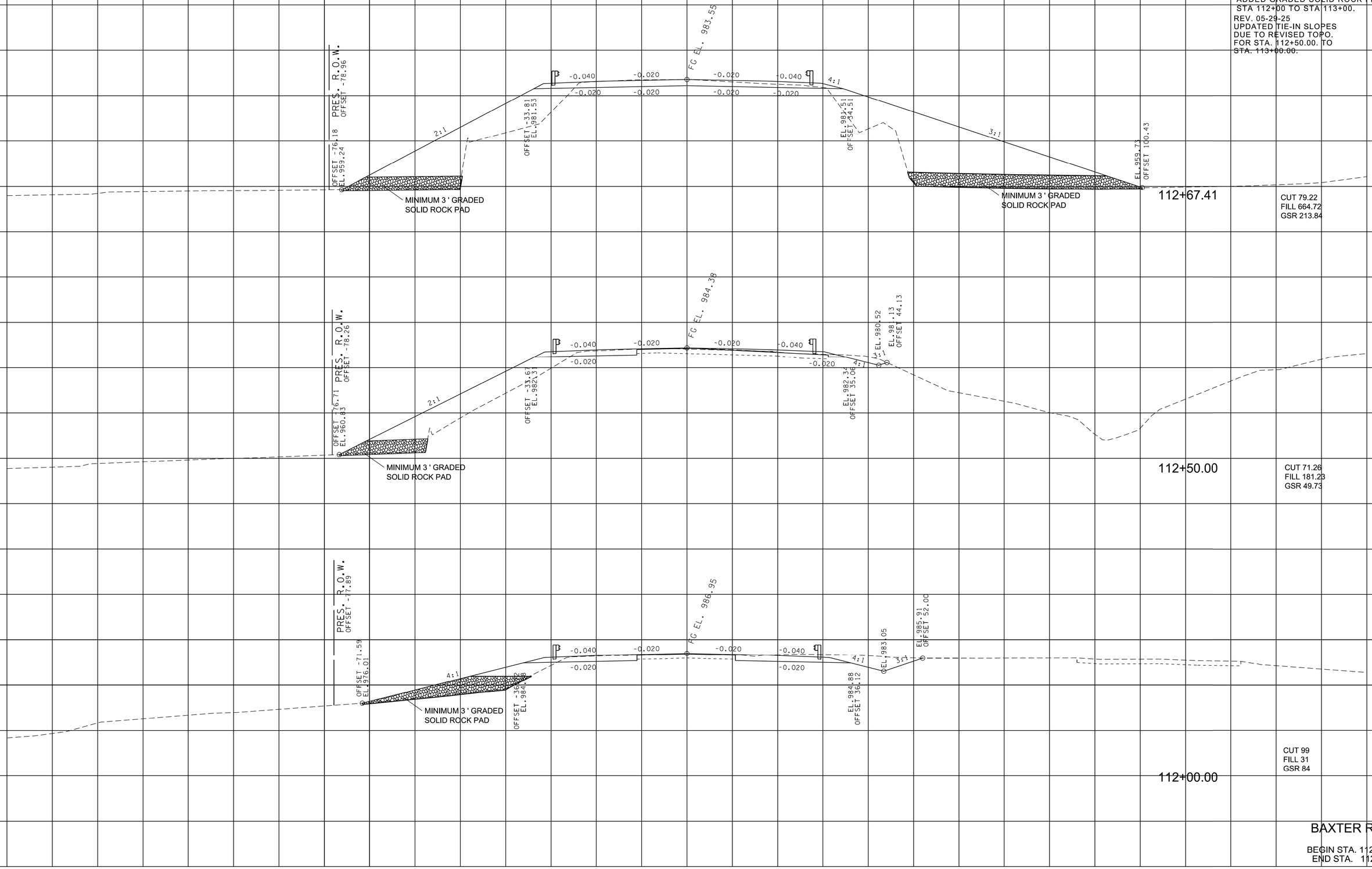
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	62
P.I.H.	2024	71951-3510-04	62
PS&E	2025	71951-3510-04	62

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
ADDED GRADED SOLID ROCK FROM STA 112+00 TO STA 113+00.

REV. 05-29-25
UPDATED TIE-IN SLOPES DUE TO REVISED TOPO. FOR STA. 112+50.00. TO STA. 113+00.00.



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TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	63
P.I.H.	2024	71951-3510-04	63
PS&E	2025	71951-3510-04	63

REV. 03-06-23
CROSS-SECTIONS 19+50 - 27+00
AND 113+50 - 115+00 UPDATED

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.
ADDED SPECIAL DITCH LABEL.
ADDED GRADED SOLID ROCK FROM
STA 112+00 TO STA 113+00.
ADDED SIDEROAD OFFSET.

REV. 05-29-25
UPDATED TIE-IN SLOPES
DUE TO REVISED TOPO.
FOR STA. 112+50.00. TO
STA. 113+00.00.

PRES. R.O.W.
OFFSET -144.42

SIDEROAD *** OFFSET 16.91
EX. OLAN MAXWELL ROAD

FG EL. 981.34

-0.020 -0.020 -0.040 -0.020

4.5:1

EL.979.37
OFFSET 30.98

SPECIAL DITCH
EL.976.08

4:1

EL.977.93
OFFSET 53.15

PRES. R.O.W.
OFFSET 74.43

113+50.00

CUT 55
FILL 0

PRES. R.O.W.
OFFSET -78.71

OFFSET -67.44
EL.964.70

2:1

4:1

-0.040 -0.020 -0.020

FG EL. 982.44

OFFSET -36.12
EL.980.37

-0.040 -0.020 -0.020

4:1

EL.980.45
OFFSET 33.02

2:1

EL.959.24
OFFSET 72.00

PRES. R.O.W.
OFFSET 74.59

PRES. R.O.W.
OFFSET 141.39

MINIMUM 3 ' GRADED
SOLID ROCK PAD

MINIMUM 3 ' GRADED
SOLID ROCK PAD

113+00.00

CUT 68.43
FILL 247.13
GSR 131.51

BAXTER ROAD

BEGIN STA. 112+99.66
END STA. 113+50.00

1010 1000 990 980 970 960

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

5/29/2025 11:30:37 AM
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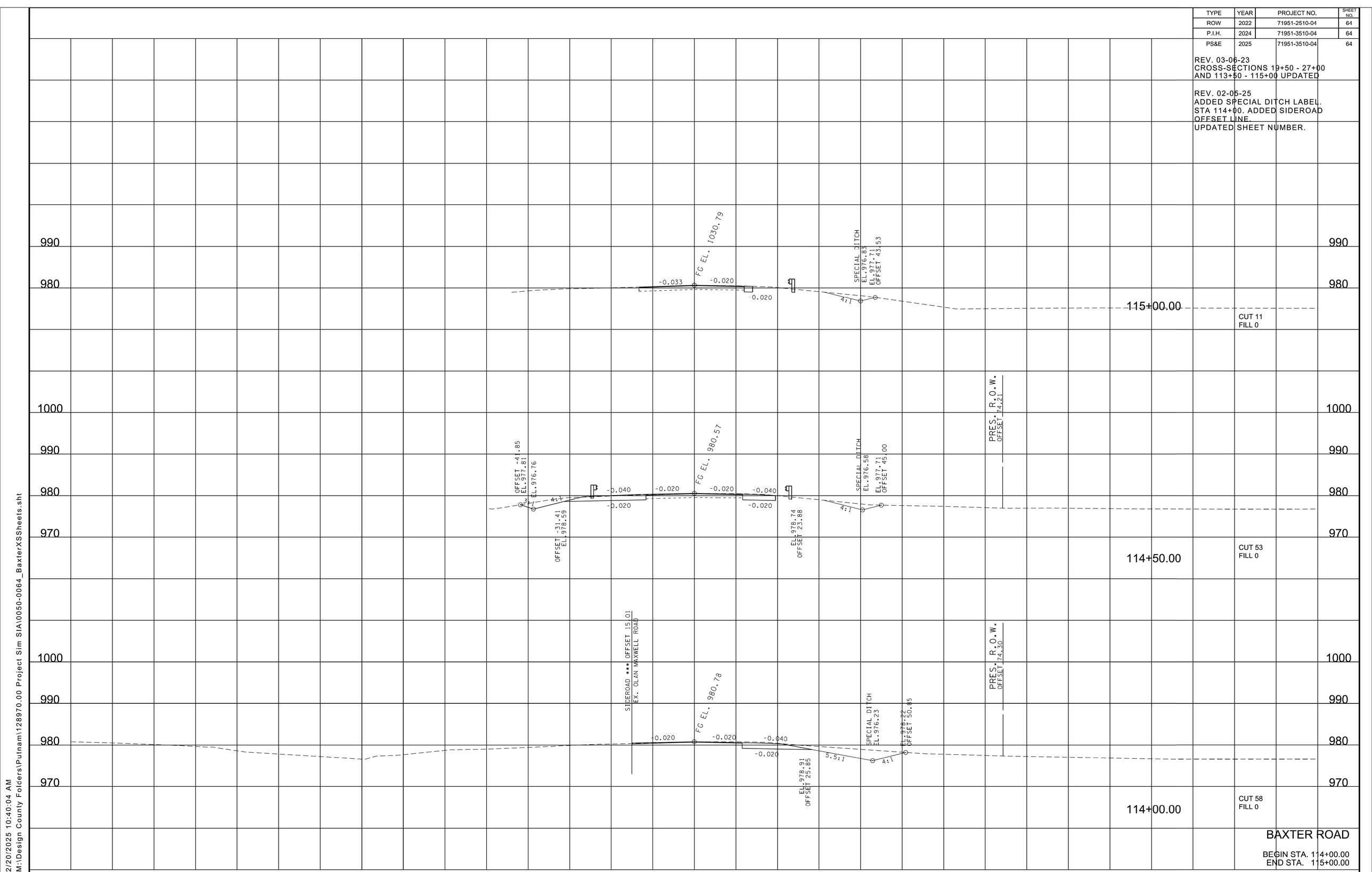
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	64
P.I.H.	2024	71951-3510-04	64
PS&E	2025	71951-3510-04	64

REV. 03-06-23
CROSS-SECTIONS 19+50 - 27+00
AND 113+50 - 115+00 UPDATED

REV. 02-05-25
ADDED SPECIAL DITCH LABEL.
STA 114+00. ADDED SIDEROAD
OFFSET LINE.
UPDATED SHEET NUMBER.



BAXTER ROAD

BEGIN STA. 114+00.00
END STA. 115+00.00

2/20/2025 10:40:04 AM
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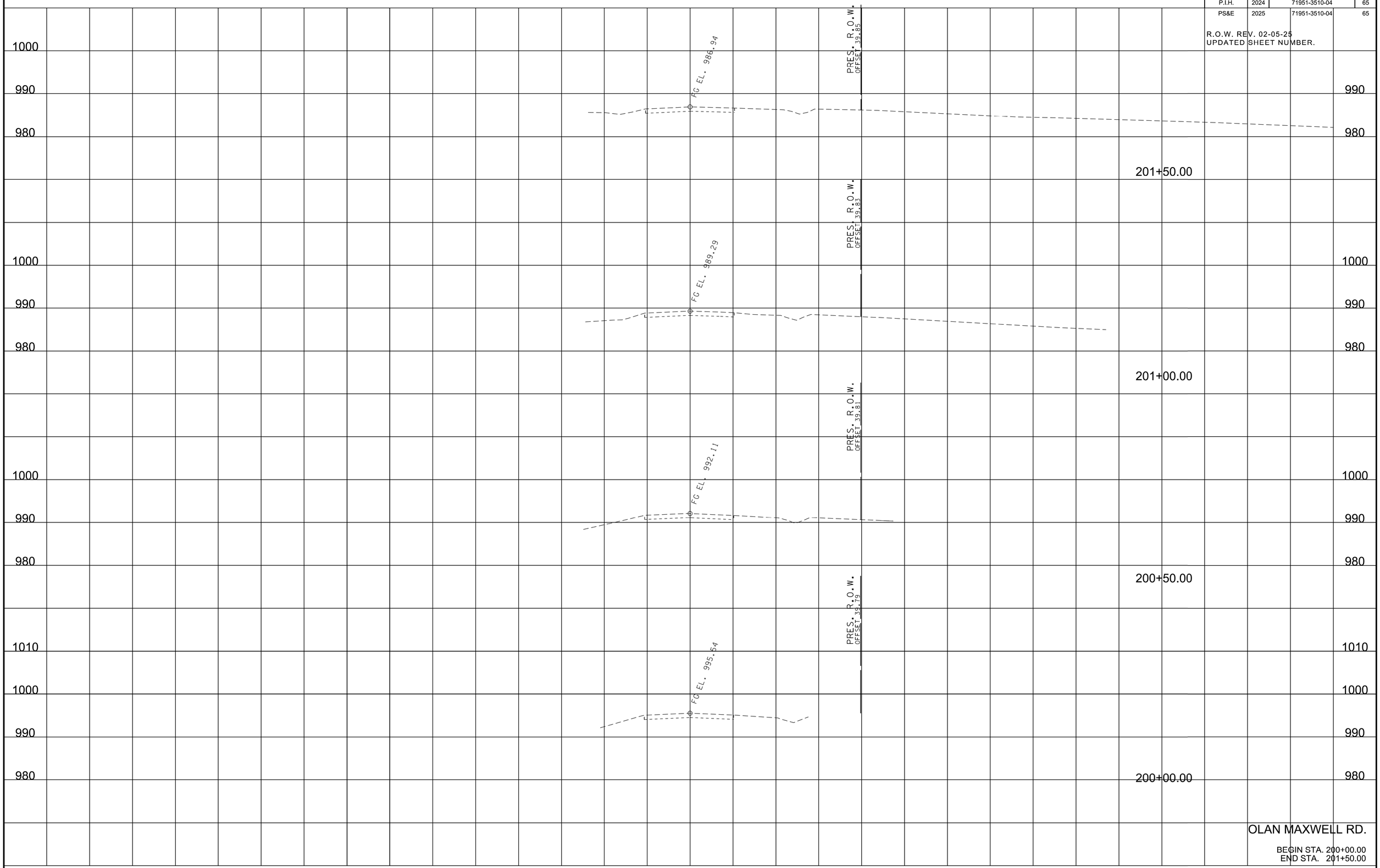
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	65
P.I.H.	2024	71951-3510-04	65
PS&E	2025	71951-3510-04	65

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.



OLAN MAXWELL RD.

BEGIN STA. 200+00.00
END STA. 201+50.00

2/20/2025 10:40:05 AM
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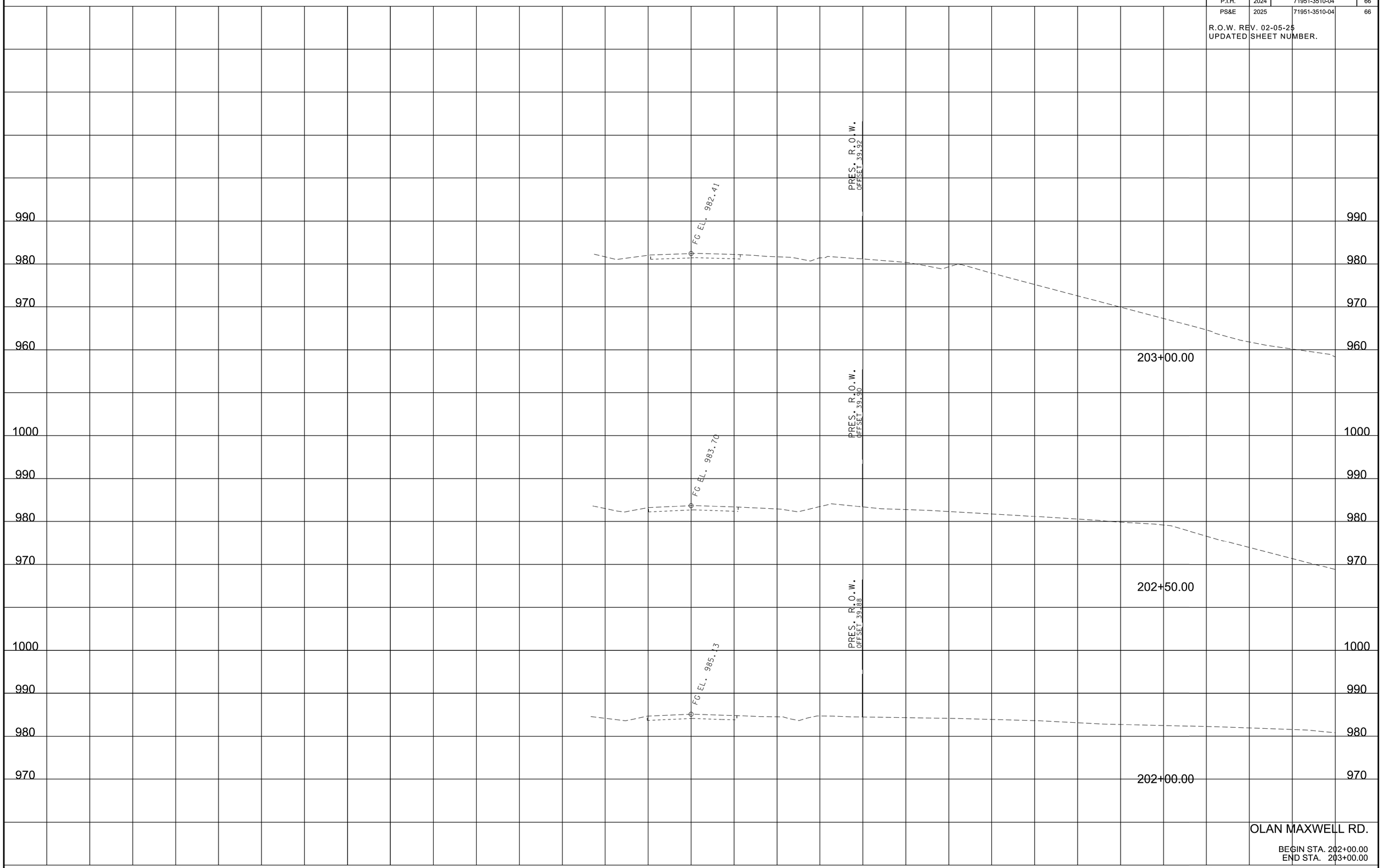
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	66
P.I.H.	2024	71951-3510-04	66
PS&E	2025	71951-3510-04	66

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.



OLAN MAXWELL RD.

BEGIN STA. 202+00.00
END STA. 203+00.00

2/20/2025 10:40:05 AM
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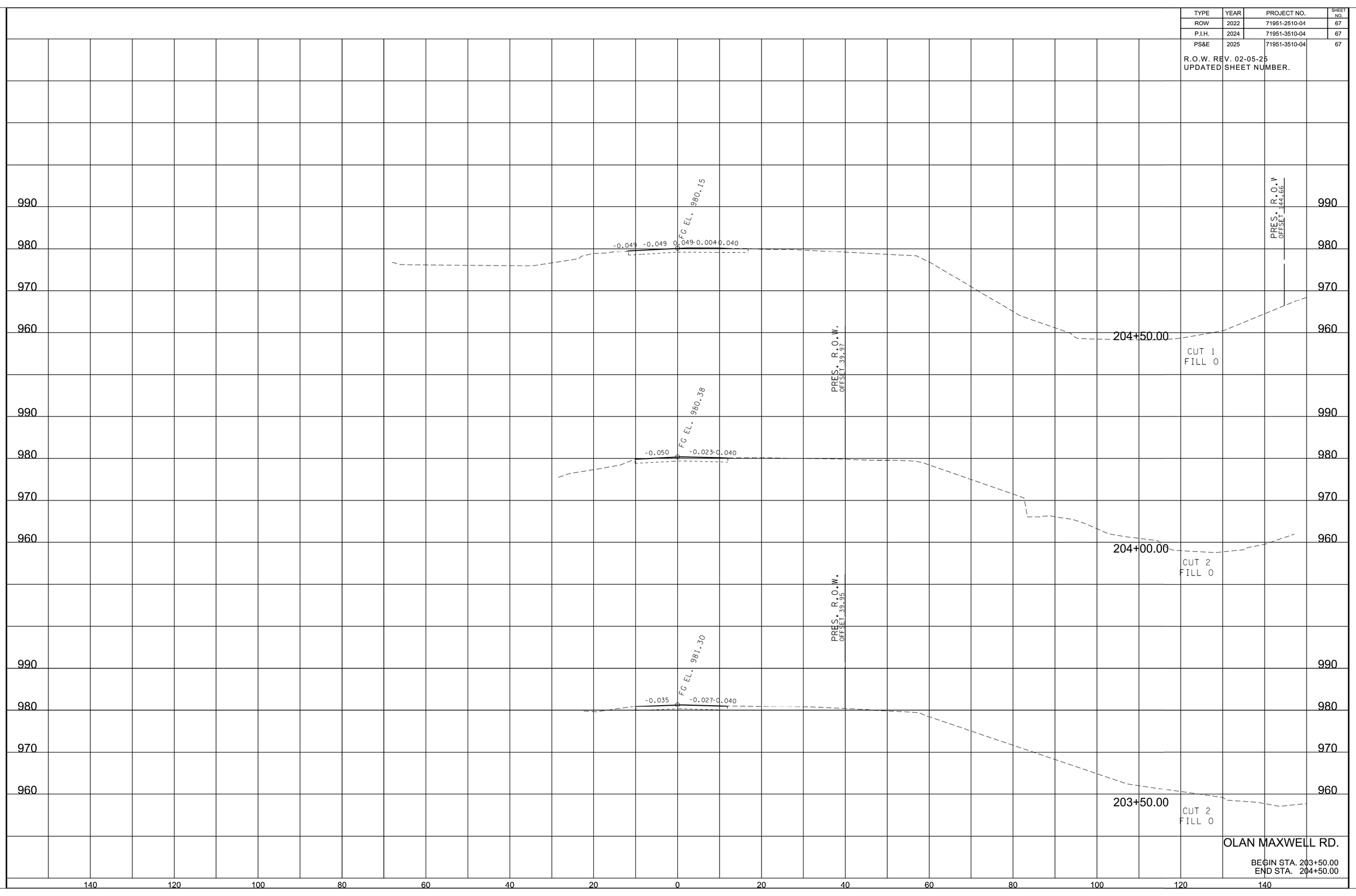
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	67
P.I.H.	2024	71951-3510-04	67
PS&E	2025	71951-3510-04	67

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.



OLAN MAXWELL RD.

BEGIN STA. 203+50.00
END STA. 204+50.00

2/20/2025 10:40:05 AM
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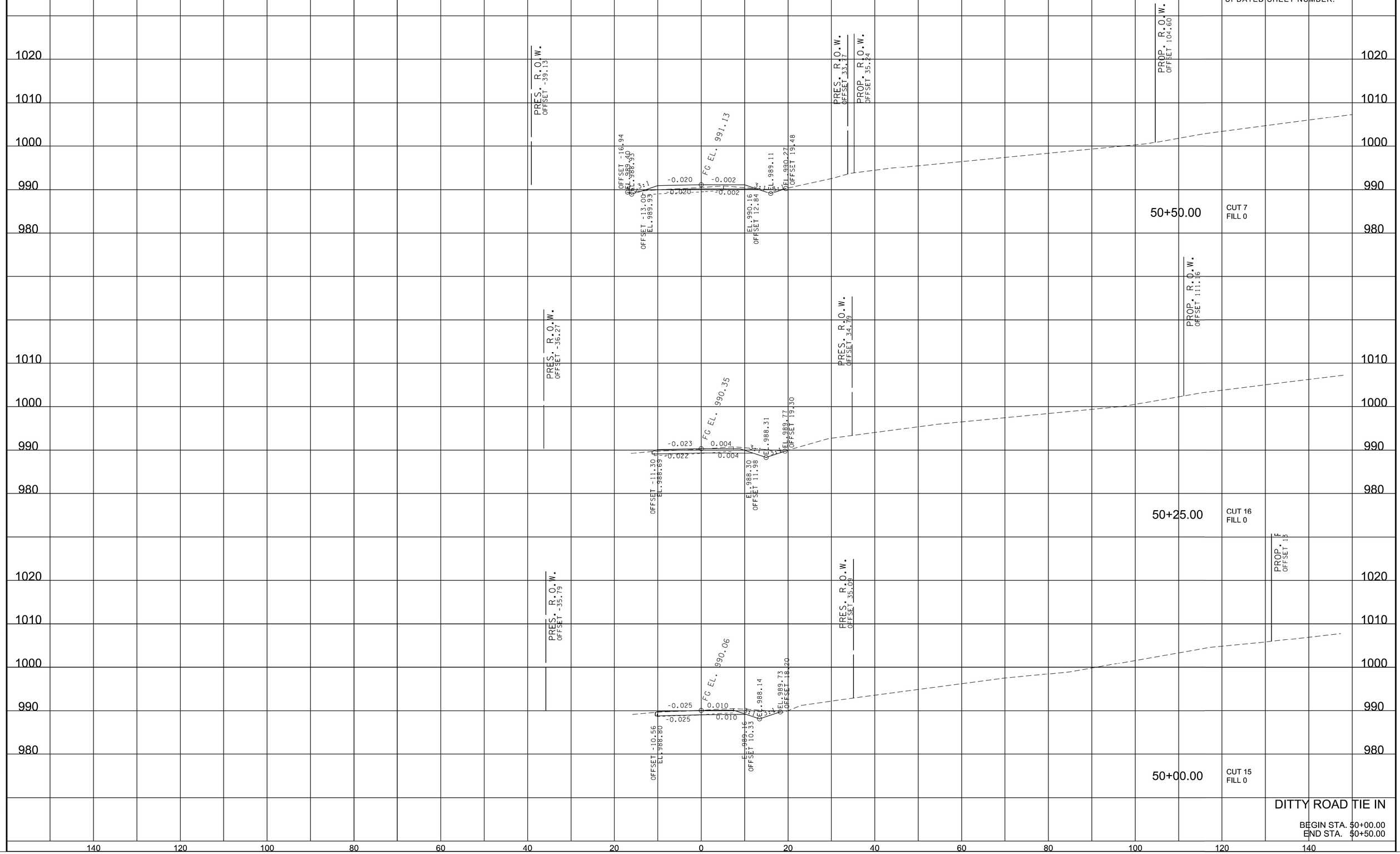
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	68
P.I.H.	2024	71951-3510-04	68
PS&E	2025	71951-3510-04	68

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.



DITTY ROAD TIE IN

BEGIN STA. 50+00.00
END STA. 50+50.00

2/20/2025 10:40:06 AM
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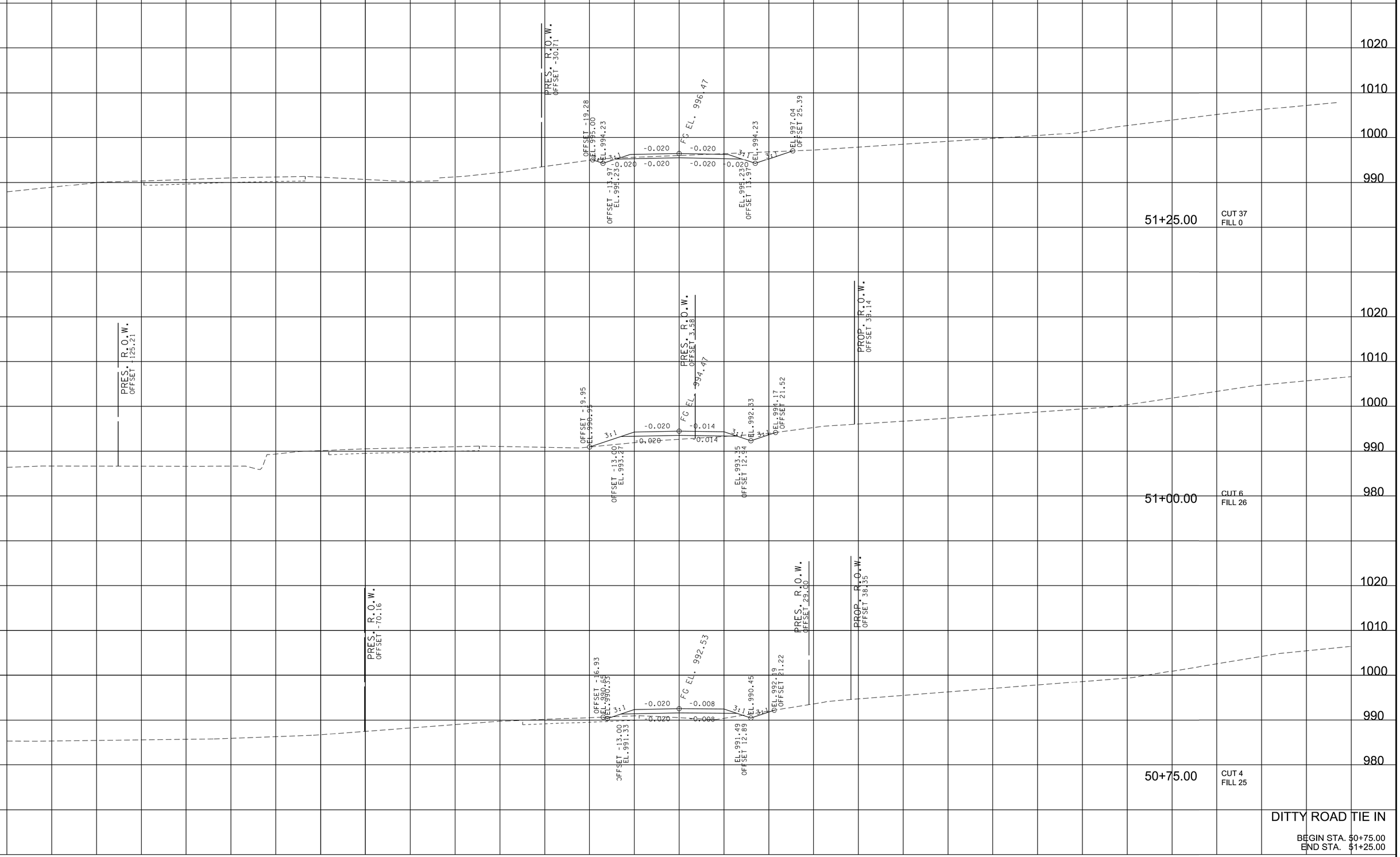
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	69
P.I.H.	2024	71951-3510-04	69
PS&E	2025	71951-3510-04	69

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.



DITTY ROAD TIE IN

BEGIN STA. 50+75.00
END STA. 51+25.00

2/20/2025 10:40:06 AM
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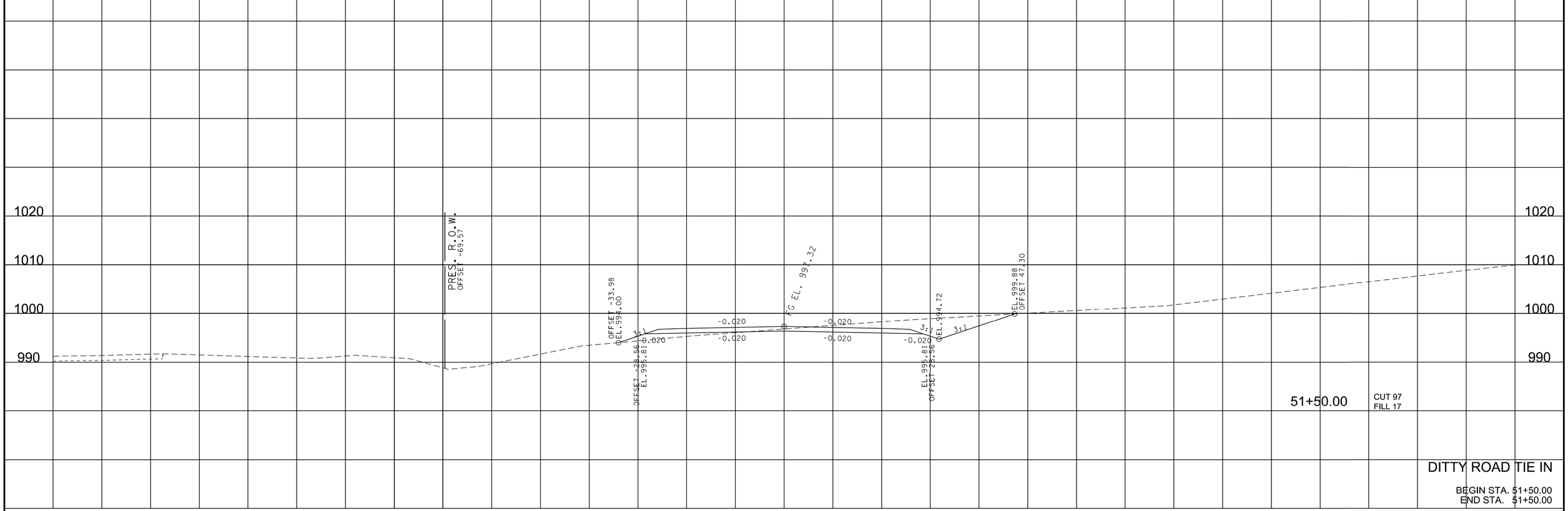
TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2022	71951-2510-04	70
P.I.H.	2024	71951-3510-04	70
PS&E	2025	71951-3510-04	70

R.O.W. REV. 02-05-25
UPDATED SHEET NUMBER.



DITTY ROAD TIE IN

BEGIN STA. 51+50.00
END STA. 51+50.00

2/20/2025 10:40:06 AM
M:\Design County Folders\Putnam\128970.00 Project Sim SIA\0068-0070_DittyTieInXSSheets.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T1
PS&E	2025	71951-3510-04	T1

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 127[illegible] STATE OF TENNESSEE

04-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T2
PS&E	2025	71951-3510-04	T2

TABULATED TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY 71951-3510-04
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TONS	45
307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TONS	12
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TONS	0.1
712-01	TRAFFIC CONTROL	LS	1
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	350
712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	4
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	128
712-04.50	BARRIER RAIL DELINEATOR	EACH	6
712-05.01	WARNING LIGHTS (TYPE A)	EACH	28
712-06	SIGNS (CONSTRUCTION)	S.F.	867
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	168
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	3
716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	3.6

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	WORK ZONE
	FLEXIBLE DRUMS (CHANNELIZING)
	SIGN (CONSTRUCTION)
	TRAFFIC FLOW
	REMOVE PAVEMENT STRIPING
	TEMPORARY BARRICADE (TYPE III)
	PORTABLE BARRIER RAIL
	TEMPORARY ATTENUATOR

TRAFFIC CONTROL SIGN TABULATION

M.U.T.C.D. SIGN NO.	LEGEND	SIZE IN INCHES L X W	S.F.	NO. REQUIRED PHASE I	NO. REQUIRED PHASE IA	NO. REQUIRED PHASE II	NO. REQUIRED PHASE III	NO. REQUIRED PHASE IIIA	TOTAL NO. REQUIRED	ITEM NO. 712-06 S.F.	STANDARD DRAWING NO.	REMARKS
G20-2	END ROAD WORK	36" X 18"	5	0			5	5	5	22.50	T-WZ-10	
W20-1	ROAD WORK 1 MILE	36" X 36"	9	2		2	0	0	2	18.00	T-WZ-10	
W20-1	ROAD WORK 1/2 MILE	36" X 36"	9	0			2	2	2	18.00	T-WZ-10	
W20-1	ROAD WORK 1500 FT	36" X 36"	9	0			2	2	2	18.00	T-WZ-10	
W20-1	ROAD WORK 1000 FT	36" X 36"	9	0			2	2	2	18.00	T-WZ-10	
W20-1	ROAD WORK 500 FT	36" X 36"	9	0			2	2	2	18.00	T-WZ-10	
W20-1	ROAD WORK AHEAD	36" X 36"	9	0			1	1	1	9.00		
W20-1	ROAD WORK AHEAD	48" X 48"	16	0			2	2	2	32.00		
W20-2F	DETOUR 500 FT	36" X 36"	9	2		2			2	18.00		
W20-2F	DETOUR 1000 FT	36" X 36"	9	1					1	9.00		
W20-2F	DETOUR 1500 FT	36" X 36"	9	1					1	9.00		
W3-4	BE PREPARED TO STOP	36" X 36"	9	0			2	2	2	18.00		
R11-2	ROAD CLOSED	48" X 30"	10	5	2	2	0		5	50.00		
M4-9R	DETOUR (RIGHT)	48" X 36"	12	2					2	24.00		
M4-9R	DETOUR (RIGHT)	30" X 24"	5	6		3	0		6	30.00		
M4-9L	DETOUR (LEFT)	30" X 24"	5	3		3	0		3	15.00		
M4-9(MOD.)	DETOUR (THROUGH)	48" X 36"	12	5					5	60.00		
M4-9(MOD.)	DETOUR (THROUGH)	30" X 24"	5	16		1	0		16	80.00		
M4-9(MOD.)	THROUGH ARROW ONLY	30" X 24"	5	1					1	5.00		
M4-10L	DETOUR ARROW	48" 0 18"	6	1	0	1	0	0	1	6.00	0	0 0
M4-10R	DETOUR ARROW	48" X 18"	6	2		1	0		2	12.00		
M4-8	DETOUR	24" X 12"	2	3		5			5	10.00		
M4-8A	END DETOUR	24" X 18"	3	2		2	0		2	6.00		
	DITTY RD	24" X 12"	2	43			0		43	86.00		
	BAXTER RD	24" X 12"	2	0		13	0		13	26.00		
	PORTOBELLO	24" X 12"	2	1					1	2.00		
R11-3A	ROAD CLOSED 1/2 MILE AHEAD LOCAL TRAFFIC ONLY	60" X 30"	13	0	2		0		1	12.50		
R11-3A	ROAD CLOSED 1 MILE AHEAD LOCAL TRAFFIC ONLY	60" X 30"	13	1					1	12.50		
R11-3A	ROAD CLOSED 3 1/2 MILE AHEAD LOCAL TRAFFIC ONLY	60" X 30"	13	1					1	12.50		
W20-3	ROAD CLOSED 500 FT	36" X 36"	9	1	2		0		1	9.00		
W20-3	ROAD CLOSED 1000 FT	36" X 36"	9	1	2	2	0		2	18.00		
W20-3	ROAD CLOSED 1500 FT	36" X 36"	9	0	1	0	0	0	1	9.00		
W20-3	ROAD CLOSED 1/2 MILE	36" X 36"	9	1	1	2	0		2	18.00		
W20-4F	ONE LANE ROAD 1500 FT	36" X 36"	9	0			2	2	2	18.00		
R11-4	ROAD CLOSED TO THROUGH TRAFFIC	60" X 30"	13	1					1	12.50		
W20-7	(FLAGGER AHEAD)	36" X 36"	9	0		0	4	4	4	36.00		
W8-11(MOD.)	(UNEVEN LANES)	36" X 36"	9	0	0		0	2	2	18.00		TO BE USED AS DIRECTED BY PROJECT ENGINEER
W16-2P	DISTANCE AHEAD PLAQUE 500 FT	24" X 18"	3	0			2	2	2	6.00		TO BE USED AS DIRECTED BY PROJECT ENGINEER
W16-6PR	SUPPLEMENTAL ARROW (PLAQUE)	24" X 18"	3	1		3			3	9.00		
W16-6PL	SUPPLEMENTAL ARROW (PLAQUE)	24" X 18"	3	2		2			2	6.00		
TN-64	GROOVED PAVEMENT	48" X 48"	16	0		0	0	2	2	32.00		
W21-2	FRESH OIL	36" X 36"	9	0	0		0	2	2	18.00		TO BE USED AS DIRECTED BY PROJECT ENGINEER
								TOTAL		867	S.F.	

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JOSEPH A. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 127[illegible] STATE OF TENNESSEE

2-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LEGEND AND TABULATED QUANTITIES

2/20/2025 11:57:46 AM
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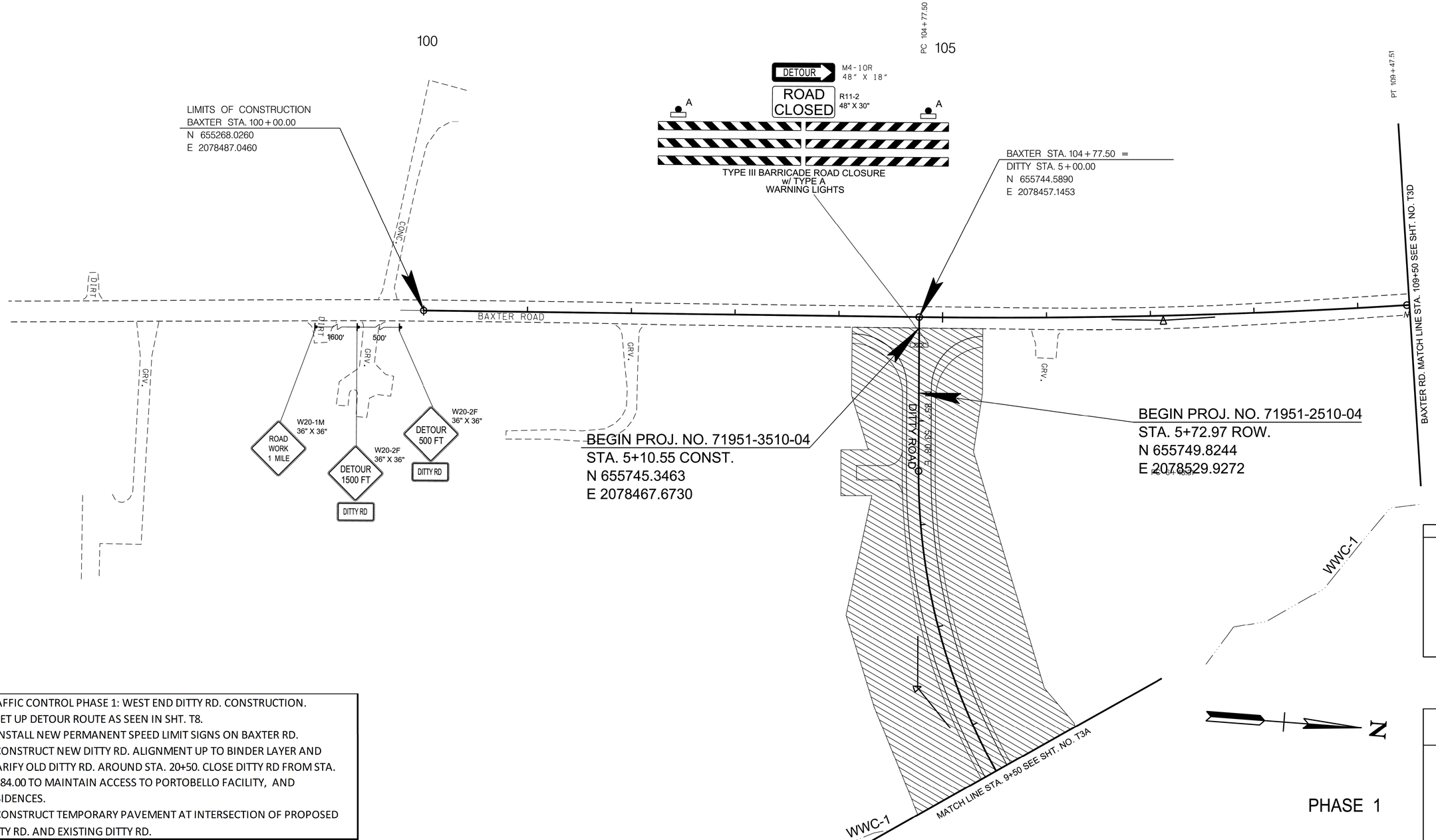
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T3
PS&E	2025	71951-3510-04	T3



TRAFFIC CONTROL PHASE 1: WEST END DITTY RD. CONSTRUCTION.
1. SET UP DETOUR ROUTE AS SEEN IN SHT. T8.
2. INSTALL NEW PERMANENT SPEED LIMIT SIGNS ON BAXTER RD.
3. CONSTRUCT NEW DITTY RD. ALIGNMENT UP TO BINDER LAYER AND SCARIFY OLD DITTY RD. AROUND STA. 20+50. CLOSE DITTY RD FROM STA. 29+84.00 TO MAINTAIN ACCESS TO PORTOBELLO FACILITY, AND RESIDENCES.
4. CONSTRUCT TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.

PHASE 1

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JOSEPH H. BUTTERFIELD
REGISTERED ENGINEER
AGRICULTURE
No. 122760
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.5+00 TO STA.9+50

SCALE: 1"=50'

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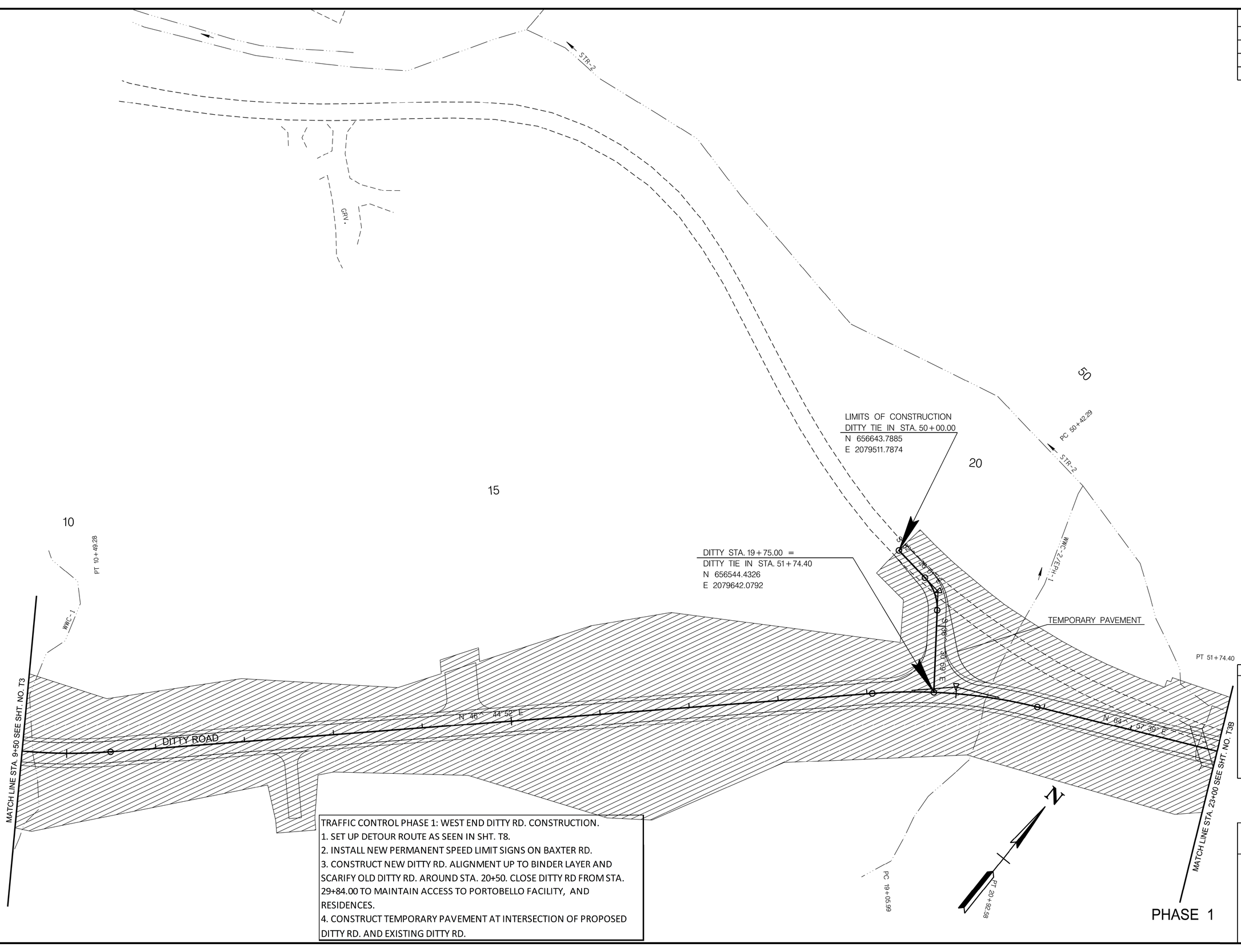
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T3A
PS&E	2025	71951-3510-04	T3A



TRAFFIC CONTROL PHASE 1: WEST END DITTY RD. CONSTRUCTION.
1. SET UP DETOUR ROUTE AS SEEN IN SHT. T8.
2. INSTALL NEW PERMANENT SPEED LIMIT SIGNS ON BAXTER RD.
3. CONSTRUCT NEW DITTY RD. ALIGNMENT UP TO BINDER LAYER AND SCARIFY OLD DITTY RD. AROUND STA. 20+50. CLOSE DITTY RD FROM STA. 29+84.00 TO MAINTAIN ACCESS TO PORTOBELLO FACILITY, AND RESIDENCES.
4. CONSTRUCT TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.

PHASE 1

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.9+50 TO STA.23+00

SCALE: 1"=50'

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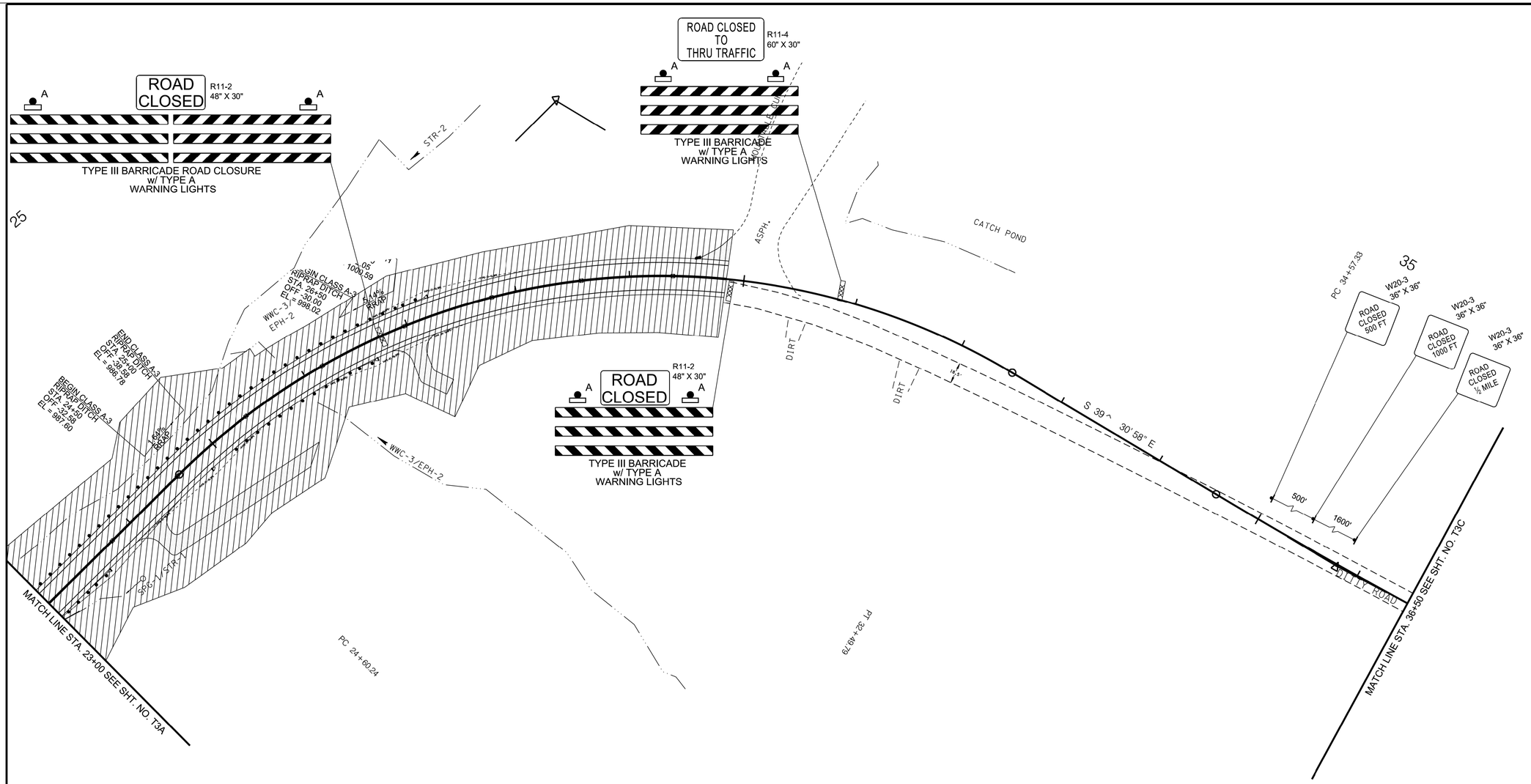
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T3B
PS&E	2025	71951-3510-04	T3B



TRAFFIC CONTROL PHASE 1: WEST END DITTY RD. CONSTRUCTION.
1. SET UP DETOUR ROUTE AS SEEN IN SHT. T8.
2. INSTALL NEW PERMANENT SPEED LIMIT SIGNS ON BAXTER RD.
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4. CONSTRUCT TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.

PHASE 1

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JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE No. 127146 STATE OF TENNESSEE
02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.23+00 TO STA.36+50

SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T3C
PS&E	2025	71951-3510-04	T3C

END PROJ. NO. 71951-2510-04
STA. 37+43.95 ROW.
N 656222.6286
E 2081112.2698

PT 37+02.08

POT 38+14.49

S 42° 21' 38" E

MATCH LINE STA. 36+50 SEE SHT. NO. T3B

END PROJ. NO. 71951-3510-04
STA. 38+14.49 CONST.
N 656170.1254
E 2081160.1456

TRAFFIC CONTROL PHASE 1: WEST END DITTY RD. CONSTRUCTION.
1. SET UP DETOUR ROUTE AS SEEN IN SHT. T8.
2. INSTALL NEW PERMANENT SPEED LIMIT SIGNS ON BAXTER RD.
3. CONSTRUCT NEW DITTY RD. ALIGNMENT UP TO BINDER LAYER AND SCARIFY OLD DITTY RD. AROUND STA. 20+50. CLOSE DITTY RD FROM STA. 29+84.00 TO MAINTAIN ACCESS TO PORTOBELLO FACILITY, AND RESIDENCES.
4. CONSTRUCT TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.

N

PHASE 1

SEALED BY

JOSEPH A. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMISSION NO. 127180
STATE OF TENNESSEE
02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.36+50 TO STA.38+15
SCALE: 1"=50'

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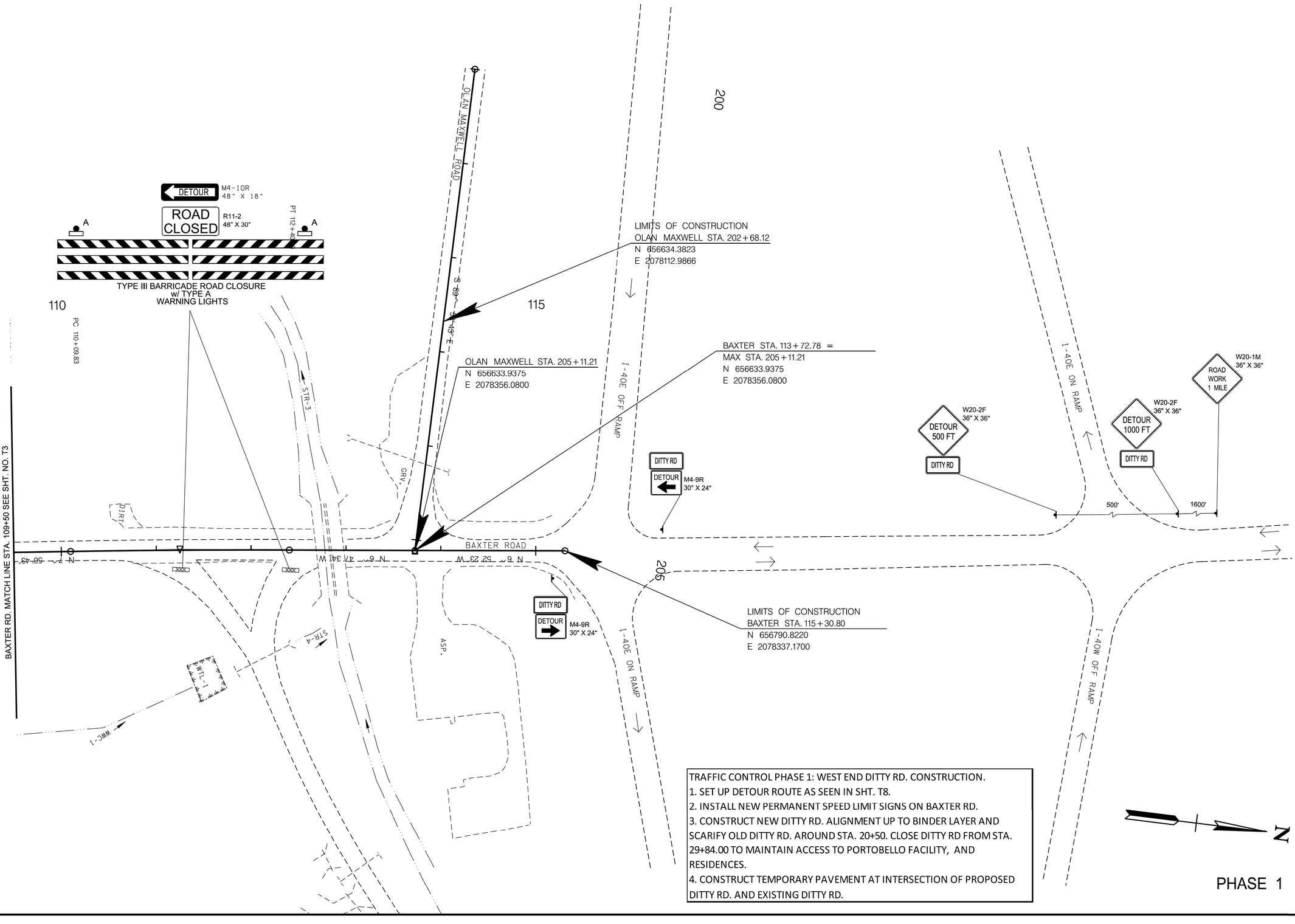
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T3D
PS&E	2025	71951-3510-04	T3D



TRAFFIC CONTROL PHASE 1: WEST END DITTY RD. CONSTRUCTION.
1. SET UP DETOUR ROUTE AS SEEN IN SHT. T8.
2. INSTALL NEW PERMANENT SPEED LIMIT SIGNS ON BAXTER RD.
3. CONSTRUCT NEW DITTY RD. ALIGNMENT UP TO BINDER LAYER AND SCARIFY OLD DITTY RD. AROUND STA. 20+50. CLOSE DITTY RD FROM STA. 29+84.00 TO MAINTAIN ACCESS TO PORTOBELLO FACILITY, AND RESIDENCES.
4. CONSTRUCT TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.

PHASE 1

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JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 129970
STATE OF TENNESSEE
02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

BAXTER RD.
STA.109+50 TO STA.115+30.80
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T4
PS&E	2025	71951-3510-04	T4

100

105

LIMITS OF CONSTRUCTION
BAXTER STA. 100+00.00
N 655268.0260
E 2078487.0460

DETOUR M4-10R 48" X 18"

ROAD CLOSED R11-2 48" X 30"

A A

TYPE III BARRICADE ROAD CLOSURE w/ TYPE A WARNING LIGHTS

PC 104+77.50

BAXTER STA. 104+77.50 =
DITTY STA. 5+00.00
N 655744.5890
E 2078457.1453

PT 109+47.51

END DETOUR M4-8A 24" X 12"

BAXTER ROAD

2600' 1600' 500'

ROAD WORK 1 MILE W20-1M 36" X 36"

ROAD CLOSED ½ MILE W20-3 36" X 36"

ROAD CLOSED 1000 FT W20-3 36" X 36"

DETOUR 500 FT W20-2 36" X 36"

BAXTER RD DETOUR M4-8 24" X 12" W16-6P 24" X 12"

BAXTER RD DETOUR M4-9R 30" X 24"

BEGIN PROJ. NO. 71951-3510-04
STA. 5+10.55 CONST.
N 655745.3463
E 2078467.6730

BAXTER RD DETOUR M4-9S (MOD.) 30" X 24"

S 85° 53' 08" E

BAXTER RD DETOUR M4-9S (MOD.) 30" X 24"

BEGIN PROJ. NO. 71951-2510-04
STA. 5+72.97 ROW.
N 655749.8244
E 2078529.9272

BAXTER RD. MATCH LINE STA.109+50 SEE SHT. NO. T4D

MATCH LINE STA. 9+50 SEE SHT. NO. T4A

10

N

PHASE 1A

TRAFFIC CONTROL PHASE 1A: EAST END DITTY RD. CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. MAINTAIN DETOUR ROUTE SHOWN ON SHT. T8
3. CONSTRUCT NEW DITTY RD. ALIGNMENT UP TO BINDER LAYER. CLOSE DITTY RD. FROM STA. 29+84.00 - 37+50.00 TO MAINTAIN ACCESS TO PORTOBELLO FACILITY.

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JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 129710 STATE OF TENNESSEE

02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.5+00 TO STA.9+50
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T4A
PS&E	2025	71951-3510-04	T4A

TRAFFIC CONTROL PHASE 1A: EAST END DITTY RD. CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
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3. CONSTRUCT NEW DITTY RD. ALIGNMENT UP TO BINDER LAYER. CLOSE DITTY RD. FROM STA. 29+84.00 - 37+50.00 TO MAINTAIN ACCESS TO PORTOBELLO FACILITY.

EXISTING DITTY ROAD

STR-2

18'

R11-3A 60" X 30"

ROAD CLOSED 1/2 MILES AHEAD LOCAL TRAFFIC ONLY

GRV

LIMITS OF CONSTRUCTION
DITTY TIE IN STA. 50+00.00
N 656643.7885
E 2079511.7874

50

PC 50+42.29

STR-2

ROAD CLOSED TO THRU TRAFFIC

R11-4 60" X 30"

20

15

10

PT 10+49.28

WWC-1

DITTY TIE IN STA. 51+74.40
N 656544.4326
E 2079642.0792

DITTY STA. 19+75.00 =

S 82^ 26' 01" E

S 39^ 30' 59" E

TYPE III BARRICADE w/ TYPE A WARNING LIGHTS

TEMPORARY PAVEMENT

PT 51+74.40

MATCH LINE STA.9+50 SEE SHT. NO. T4

DITTY ROAD

N 46^ 44' 52" E

N 64^ 57' 39" E

ROAD CLOSED 1500 FT

W20-3 36" X 36"

ROAD CLOSED 1000 FT

W20-3 36" X 36"

R11-2 48" X 30"

ROAD CLOSED

TYPE III BARRICADE w/ TYPE A WARNING LIGHTS

PC 19+05.99

PT 20+36.58

MATCH LINE STA.23+00 SEE SHT. NO. T4B

PHASE 1A

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
No. 127
STATE OF TENNESSEE

02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.9+50 TO STA.23+00

SCALE: 1"=50'

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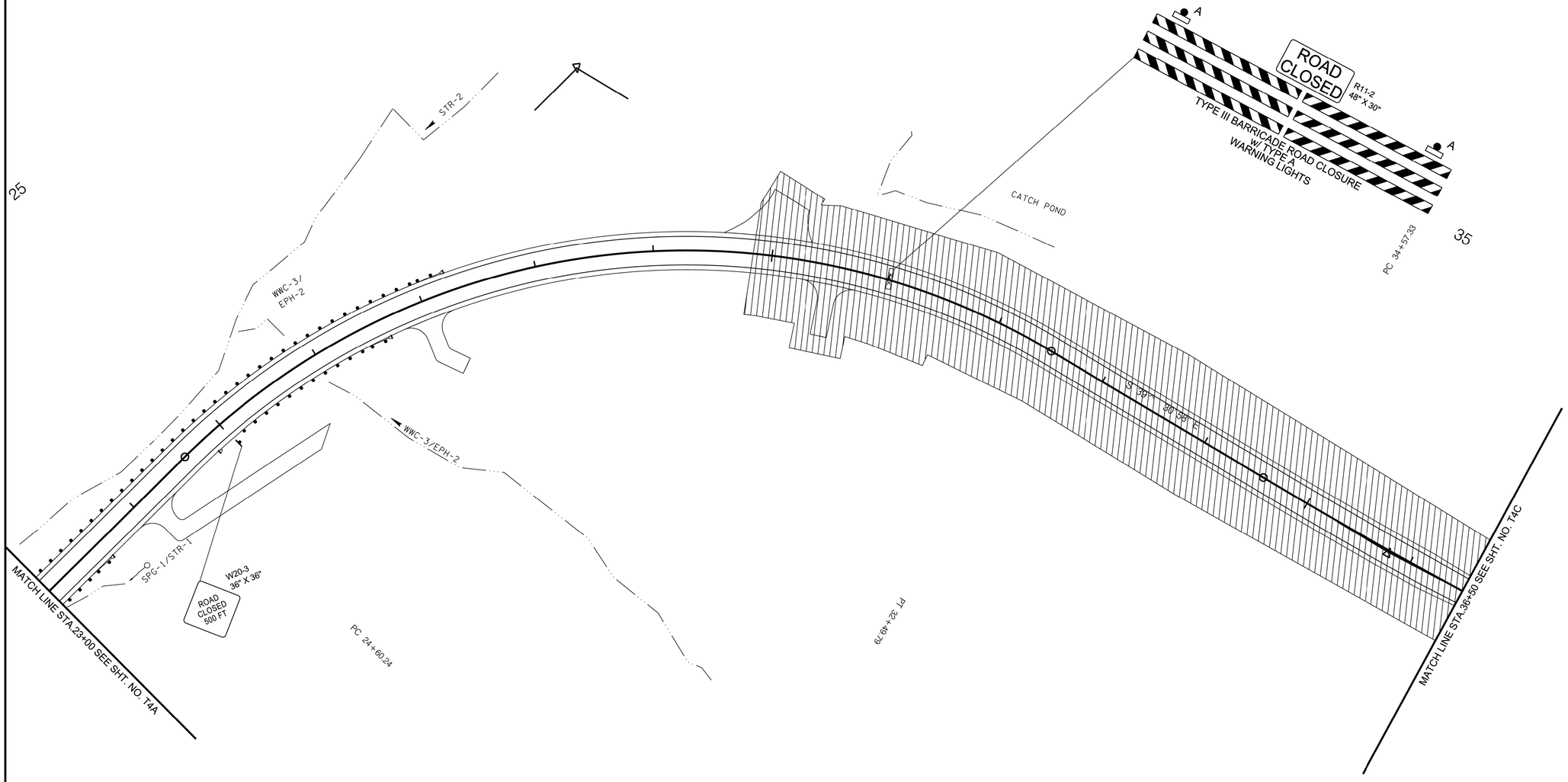
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T4B
PS&E	2025	71951-3510-04	T4B



TRAFFIC CONTROL PHASE 1A: EAST END DITTY RD. CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. MAINTAIN DETOUR ROUTE SHOWN ON SHT. T8
3. CONSTRUCT NEW DITTY RD. ALIGNMENT UP TO BINDER LAYER. CLOSE DITTY RD. FROM STA. 29+84.00 - 37+50.00 TO MAINTAIN ACCESS TO PORTOBELLO FACILITY.

N

PHASE 1A

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 122106
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.23+00 TO STA.36+50

SCALE: 1"=50'

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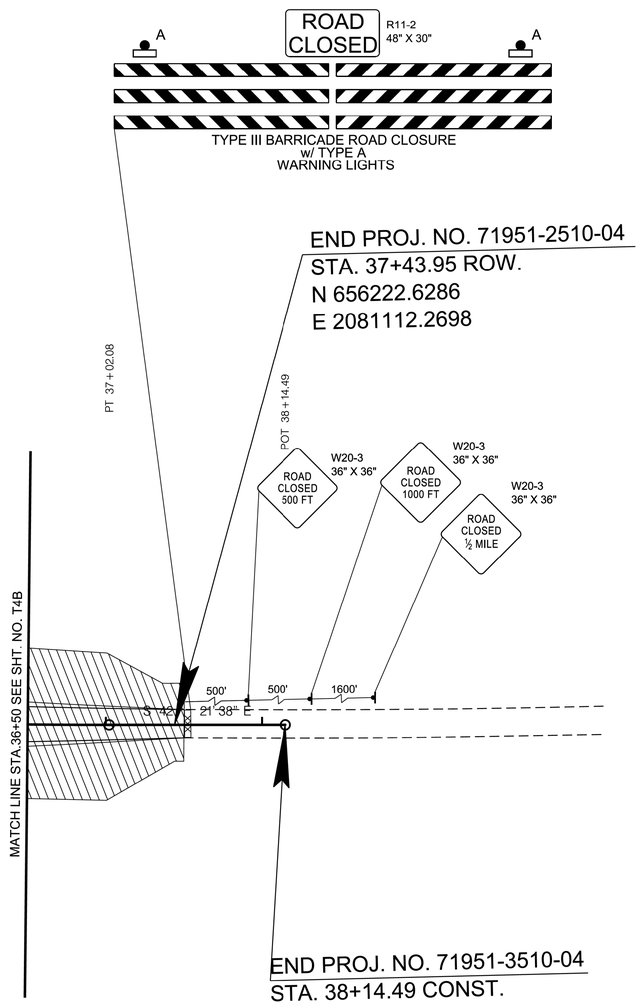
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T4C
PS&E	2025	71951-3510-04	T4C



TRAFFIC CONTROL PHASE 1A: EAST END DITTY RD. CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. MAINTAIN DETOUR ROUTE SHOWN ON SHT. T8
3. CONSTRUCT NEW DITTY RD. ALIGNMENT UP TO BINDER LAYER. CLOSE DITTY RD. FROM STA. 29+84.00 - 37+50.00 TO MAINTAIN ACCESS TO PORTOBELLO FACILITY.

PHASE 1A

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 122102
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.36+50 TO STA.38+15

SCALE: 1"=50'

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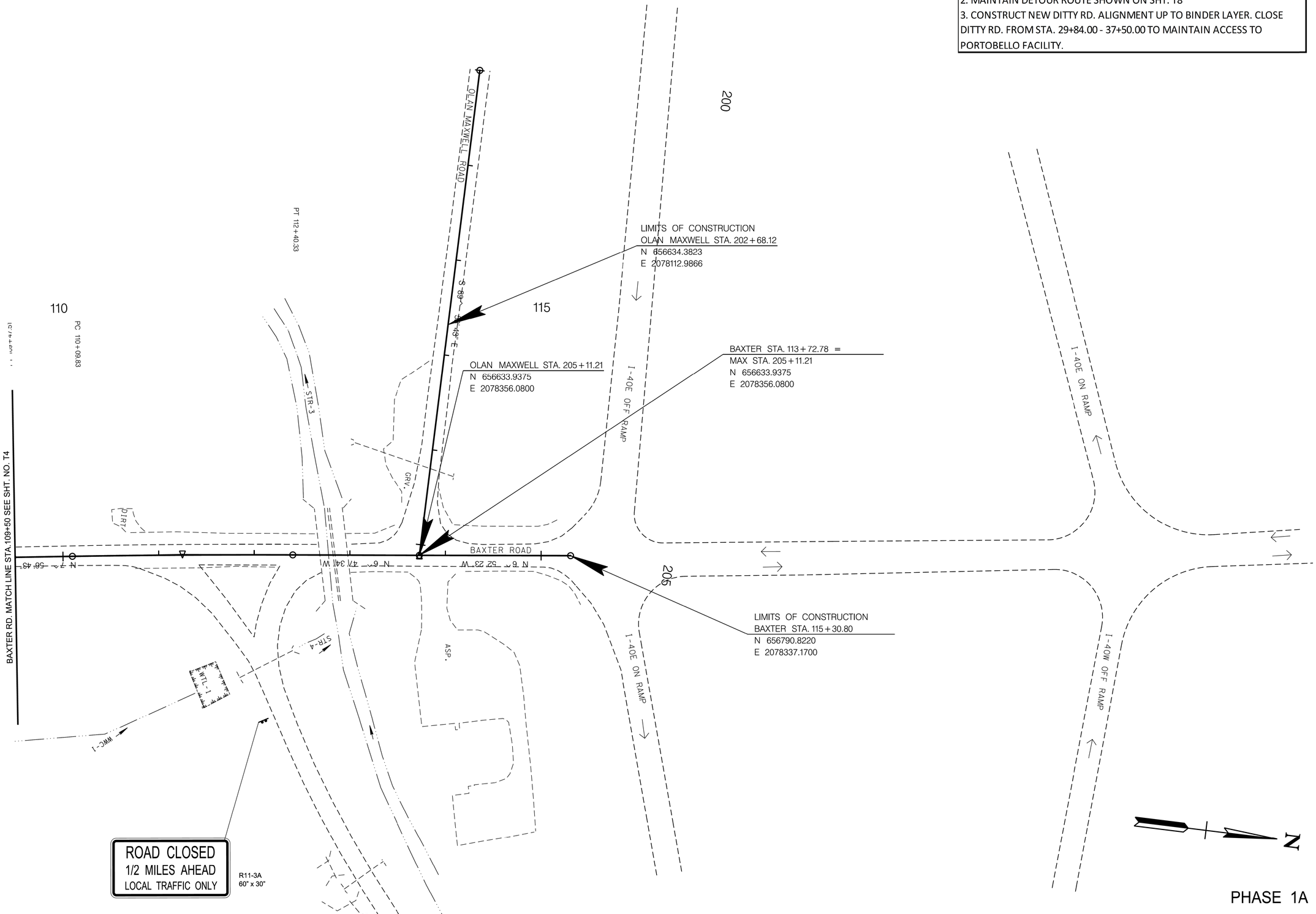
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T4D
PS&E	2025	71951-3510-04	T4D

TRAFFIC CONTROL PHASE 1A: EAST END DITTY RD. CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. MAINTAIN DETOUR ROUTE SHOWN ON SHT. T8
3. CONSTRUCT NEW DITTY RD. ALIGNMENT UP TO BINDER LAYER. CLOSE DITTY RD. FROM STA. 29+84.00 - 37+50.00 TO MAINTAIN ACCESS TO PORTOBELLO FACILITY.



PHASE 1A

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 129970
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

BAXTER RD.
STA.109+50 TO STA.115+30.80
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T5
PS&E	2025	71951-3510-04	T5

100

105

PC 104+77.50

LIMITS OF CONSTRUCTION
BAXTER STA. 100+00.00
N 655268.0260
E 2078487.0460

DETOUR M4-10R 48" X 18"

ROAD CLOSED R11-2 48" X 30"

A A

TYPE III BARRICADE ROAD CLOSURE w/ TYPE A WARNING LIGHTS

END DETOUR M4-8A 24" X 12"

2600' 1600' 500'

W20-1M 36" X 36" ROAD WORK 1 MILE

W20-3 36" X 36" ROAD CLOSED ½ MILE

W20-3 36" X 36" ROAD CLOSED 1000 FT

W20-2 36" X 36" DETOUR 500 FT

BAXTER RD DETOUR M4-8 24" X 12" W16-6P 24" X 12"

BAXTER RD DETOUR M4-9R 30" X 24"

BEGIN PROJ. NO. 71951-3510-04
STA. 5+10.55 CONST.
N 655745.3463
E 2078467.6730

BAXTER RD DETOUR M4-9S (MOD.) 30" X 24"

BAXTER RD. MATCH LINE STA.109+50 SEE SHT. NO. T5D

BAXTER STA. 104+77.50 =
DITTY STA. 5+00.00
N 655744.5890
E 2078457.1453

BEGIN PROJ. NO. 71951-2510-04
STA. 5+72.97 ROW.
N 655749.8244
E 2078529.9272

BAXTER RD DETOUR M4-9S (MOD.) 30" X 24"

S 85° 53' 08" E

WWC-1

WWC-1

MATCH LINE STA.9+50 SEE SHT. NO. T5A

N

TRAFFIC CONTROL PHASE 2: BAXTER RD FULL DEPTH CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. CONSTRUCT BAXTER RD. WIDENING UP TO BINDER LAYER BETWEEN STA. 104+90.00 AND 112+27.00.
3. USE CONSTRUCTED NEW DITTY RD. AND DITTY RD. TIE IN TO DETOUR VEHICLES AROUND WORK ZONE.

PHASE 2

SEALED BY

JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 129710 STATE OF TENNESSEE

02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.5+00 TO STA.9+50

SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T5A
PS&E	2025	71951-3510-04	T5A

TRAFFIC CONTROL PHASE 2: BAXTER RD FULL DEPTH CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. CONSTRUCT BAXTER RD. WIDENING UP TO BINDER LAYER BETWEEN STA. 104+90.00 AND 112+27.00.
3. USE CONSTRUCTED NEW DITTY RD. AND DITTY RD. TIE IN TO DETOUR VEHICLES AROUND WORK ZONE.

ROAD
STR-2
18'
GRV.
50
PC 50+42.29
STR-2
LIMITS OF CONSTRUCTION
DITTY TIE IN STA. 50+00.00
N 656643.7885
E 2079511.7874
20
BAXTER RD
DETOUR
M4-9S (MOD.)
30" X 24"
BAXTER RD
DETOUR
M4-8
24" X 12"
W16-6P
24" X 12"
BAXTER RD
DETOUR
M4-9R
30" X 24"
15
10
PT 10+49.28
DITTY STA. 19+75.00 =
DITTY TIE IN STA. 51+74.40
N 656544.4326
E 2079642.0792
S 38° 26' 01" E
T-HEAD-3MM
WWC-1
OUT-1002.44
CLASS-B RIP-RAP
DEPTH 2.5'
S 38° 30' 59" E
TEMPORARY PAVEMENT
PT 51+74.40
CLASS-B RIP-RAP
DEPTH 2.5'
INV. OUT-987.86
INV.
MATCH LINE STA.9+50 SEE SHT. NO. T5
DITTY ROAD
N 46° 44' 52" E
N 64° 57' 39" E
INV. IN-988.15
INV. IN-983.61
MATCH LINE STA.23+00 SEE SHT. NO. T5B
BAXTER RD
DETOUR
M4-8
24" X 12"
W16-6P
24" X 12"
BAXTER RD
DETOUR
M4-9L
30" X 24"
INV. IN-1004.15
12' OF 36RCP
TYPE U ENDWALLS
46' OF 12' X 4'
BOX CULVERT
STA. 22+82.63
SKEW 58 DEG.
PC 19+05.99
PT 20+52.58
N
PHASE 2

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
No. 127165
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.9+50 TO STA.23+00
SCALE: 1"=50'

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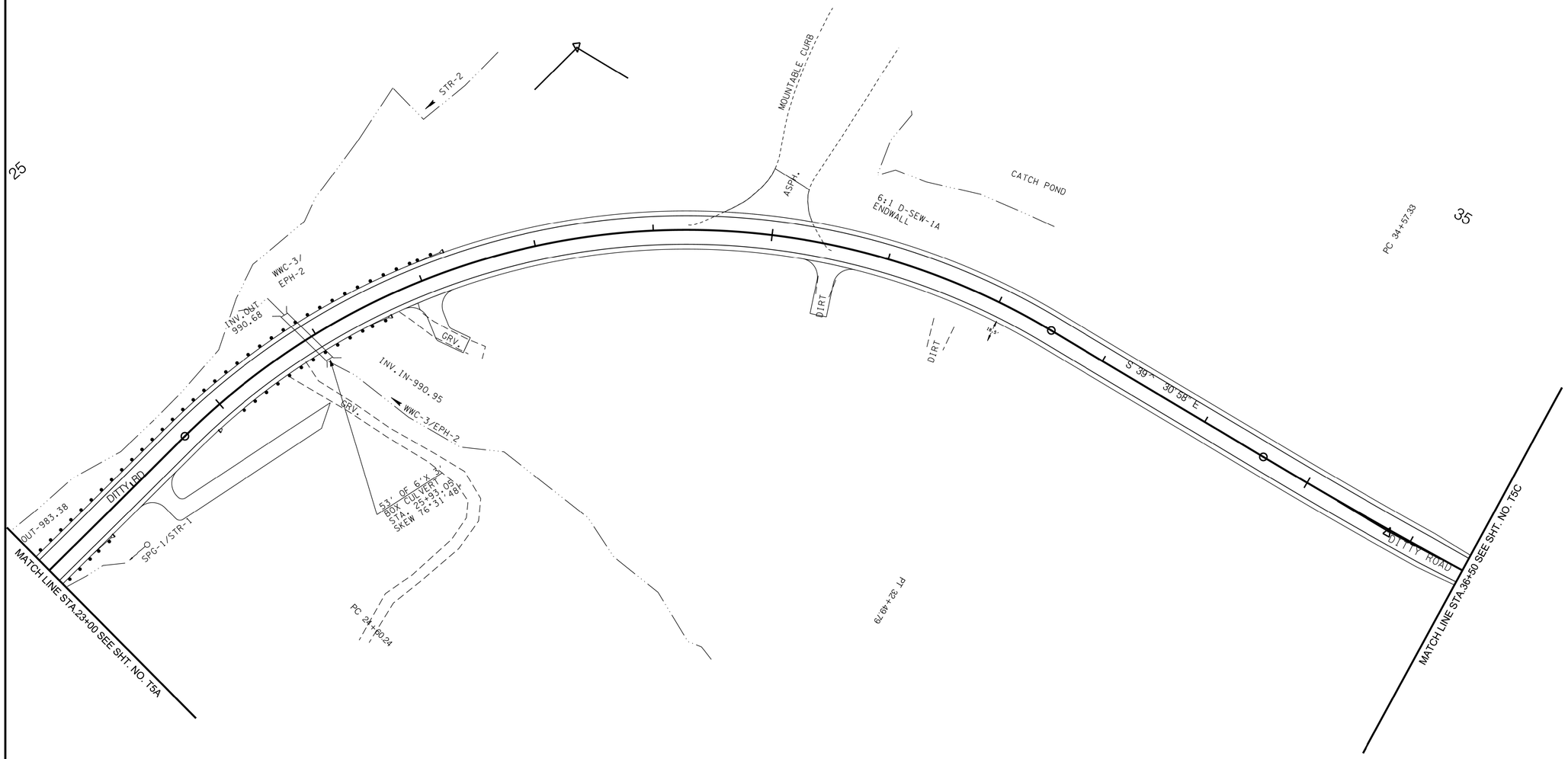
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T5B
PS&E	2025	71951-3510-04	T5B



TRAFFIC CONTROL PHASE 2: BAXTER RD FULL DEPTH CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. CONSTRUCT BAXTER RD. WIDENING UP TO BINDER LAYER BETWEEN STA. 104+90.00 AND 112+27.00.
3. USE CONSTRUCTED NEW DITTY RD. AND DITTY RD. TIE IN TO DETOUR VEHICLES AROUND WORK ZONE.

SEALED BY

JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 127165 STATE OF TENNESSEE

02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.23+00 TO STA.36+50

SCALE: 1"=50'

PHASE 2

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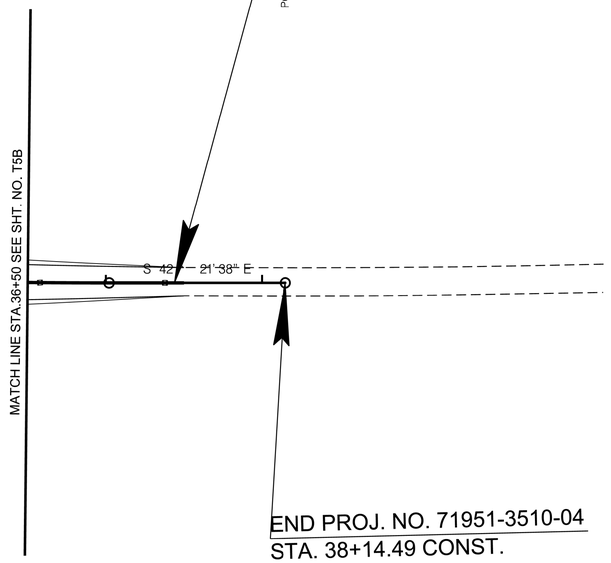
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T5C
PS&E	2025	71951-3510-04	T5C

END PROJ. NO. 71951-2510-04
STA. 37+43.95 ROW.
N 656222.6286
E 2081112.2698

PT 37+02.08

POT 38+14.49



END PROJ. NO. 71951-3510-04
STA. 38+14.49 CONST.
N 656170.1254
E 2081160.1456

TRAFFIC CONTROL PHASE 2: BAXTER RD FULL DEPTH CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. CONSTRUCT BAXTER RD. WIDENING UP TO BINDER LAYER BETWEEN STA. 104+90.00 AND 112+27.00.
3. USE CONSTRUCTED NEW DITTY RD. AND DITTY RD. TIE IN TO DETOUR VEHICLES AROUND WORK ZONE.

N

PHASE 2

SEALED BY

02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.36+50 TO STA.38+15

SCALE: 1"=50'

2/20/2025 11:59:06 AM
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TRAFFIC CONTROL PHASE 2: BAXTER RD FULL DEPTH CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. CONSTRUCT BAXTER RD. WIDENING UP TO BINDER LAYER BETWEEN STA. 104+90.00 AND 112+27.00.
3. USE CONSTRUCTED NEW DITTY RD. AND DITTY RD. TIE IN TO DETOUR VEHICLES AROUND WORK ZONE.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T5D
PS&E	2025	71951-3510-04	T5D

DETOUR M4-10L 48" X 18"
ROAD CLOSED R11-2 48" X 30"
TYPE III BARRICADE ROAD CLOSURE w/ TYPE A WARNING LIGHTS
PT 112+40.33
PC 110+09.83
110
115
200
205
OLAN MAXWELL ROAD
S 8° 49' E
LIMITS OF CONSTRUCTION
OLAN MAXWELL STA. 202+68.12
N 656634.3823
E 2078112.9866
OLAN MAXWELL STA. 205+11.21
N 656633.9375
E 2078356.0800
BAXTER STA. 113+72.78 =
MAX STA. 205+11.21
N 656633.9375
E 2078356.0800
I-40E OFF RAMP
I-40E ON RAMP
I-40W OFF RAMP
BAXTER RD DETOUR M4-9S (MOD.) 30" X 24"
STR-3
GRV.
BAXTER RD DETOUR M4-8 24" X 12" W16-6P 24" X 12"
W20-2 36" X 36" DETOUR 500 FT
W20-3 36" X 36" ROAD CLOSED 1000 FT
W20-3 36" X 36" ROAD CLOSED ½ MILE
500'
1600'
W20-1M 36" X 36" ROAD WORK 1 MILE
BAXTER ROAD
N 6° 52' 23" W
N 6° 47' 34" W
BAXTER RD. MATCH LINE STA.109+50 SEE SHT. NO. T5
N 7° 56' 43"
EXIST.
END DETOUR M4-8A 24" X 12"
STR-4
BAXTER RD DETOUR M4-9R 30" X 24"
ASP.
WTL-1
WMC-1
BAXTER RD DETOUR M4-8 24" X 12" W16-6P 24" X 12"
LIMITS OF CONSTRUCTION
BAXTER STA. 115+30.80
N 656790.8220
E 2078337.1700
N

SEALED BY
JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 122107 STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS
BAXTER RD.
STA.109+50 TO STA.115+30.80
SCALE: 1"=50'

PHASE 2

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T6
PS&E	2025	71951-3510-04	T6

100

LIMITS OF CONSTRUCTION
BAXTER STA. 100+00.00
N 655268.0260
E 2078487.0460

END ROAD WORK
G20-2
36" X 18"

DIRT

CONC.

BAXTER RD

1000' 500' 500' 500'

ROAD WORK 1/2 MILE
W20-1M
36" X 36"

ONE LANE ROAD 1500 FT
W20-4F
36" X 36"

ROAD WORK 1500 FT
W20-1F
36" X 36"

GRV.

BE PREPARED TO STOP
W3-4
36" X 36"

ROAD WORK 1000 FT
W20-1F
36" X 36"

W20-7
36" X 36"

500 FEET
W16-2PC
24" X 18"

ROAD WORK 500 FT
W20-1F
36" X 36"

BEGIN PROJ. NO. 71951-3510-04
STA. 5+10.55 CONST.
N 655745.3463
E 2078467.6730

PC 104+77.50

105

BAXTER STA. 104+77.50 =
DITTY STA. 5+00.00
N 655744.5890
E 2078457.1453

PT 109+47.51

BAXTER ROAD

BAXTER RD. MATCH LINE STA.109+50 SEE SHT. NO. T6D

DITTY ROAD

85' ± 53° 08' E

BEGIN PROJ. NO. 71951-2510-04
STA. 5+72.97 ROW.
N 655749.8244
E 2078529.9272

WWC-1

MATCH LINE STA.9+50 SEE SHT. NO. T6A

N

PHASE 3

TRAFFIC CONTROL PHASE 3: BAXTER RD. NORTHBOUND CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. SHIFT TRAFFIC ONTO SOUTHBOUND LANE OF BAXTER RD. TO COMPLETE PROPOSED WIDENING AND TRANSITIONS ON NORTHBOUND LANE OF BAXTER RD. FROM STA. 101+00.00 - 104+90.00 AND STA. 112+27.00 - 115+30.80.
3. FLAGGING OPERATIONS WILL BE REQUIRED FOR BAXTER RD. WIDENING. A WEDGE OF BASE STONE WILL BE PROVIDED OVER NIGHT AND/OR DURING INACTIVE WORK ZONE FOR PAVEMENT EDGE DROP OFFS. ALL FLAGGING AND WEDGING OPERATIONS WILL BE UNDER THE THE DIRECTION OF THE TDOT PROJECT ENGINEER.
4. TDOT PROJECT ENGINEER IS TO ENSURE MINIMAL IMPACTS TO RAMPS, INCLUDING DURING FLAGGING OPERATIONS.

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
No. 127
COMMISSIONED
STATE OF TENNESSEE

02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.5+00 TO STA.9+50
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T6A
PS&E	2025	71951-3510-04	T6A

TRAFFIC CONTROL PHASE 3: BAXTER RD. NORTHBOUND CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. SHIFT TRAFFIC ONTO SOUTHBOUND LANE OF BAXTER RD. TO COMPLETE PROPOSED WIDENING AND TRANSITIONS ON NORTHBOUND LANE OF BAXTER RD. FROM STA. 101+00.00 - 104+90.00 AND STA. 112+27.00 - 115+30.80.
3. FLAGGING OPERATIONS WILL BE REQUIRED FOR BAXTER RD. WIDENING. A WEDGE OF BASE STONE WILL BE PROVIDED OVER NIGHT AND/OR DURING INACTIVE WORK ZONE FOR PAVEMENT EDGE DROP OFFS. ALL FLAGGING AND WEDGING OPERATIONS WILL BE UNDER THE THE DIRECTION OF THE TDOT PROJECT ENGINEER.
4. TDOT PROJECT ENGINEER IS TO ENSURE MINIMAL IMPACTS TO RAMPS, INCLUDING DURING FLAGGING OPERATIONS.

INV. IN-959.39
STR-2
GRV.
50
LIMITS OF CONSTRUCTION
DITTY TIE IN STA. 50+00.00
N 656643.7885
E 2079511.7874
PC 50+42.29
STR-2
20
15
10
PT 10+49.28
WWC-1
OUT-1002.44
CLASS-B RIP-RAP DEPTH 2.5'
MATCH LINE STA.9+50 SEE SHT. NO. T6
INV. IN-1004.15
112' OF 36RCP TYPE U ENDWALLS
N 46^ 44' 52" E
DITTY STA. 19+75.00 =
DITTY TIE IN STA. 51+74.40
N 656544.4326
E 2079642.0792
STR-2
26^ 11' E
S 36^ 30' 59" E
WWC-2,EPI-1
CLASS-B RIP-RAP DEPTH 2.5'
INV. OUT-987.86
PT 51+74.40
N 64^ 57' 39" E
INV. IN-988.15
INV. IN-983.61
INV.
MATCH LINE STA.23+00 SEE SHT. NO. T6B
PC 19+05.99
PT 20+92.58
N
46' BOX CULVERT
SKEW 22^42' 58" DEC.
12' x 4'
22+42.63

PHASE 3

SEALED BY

JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE STATE OF TENNESSEE
NO. 122106
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.9+50 TO STA.23+00

SCALE: 1"=50'

2/20/2025 11:59:20 AM
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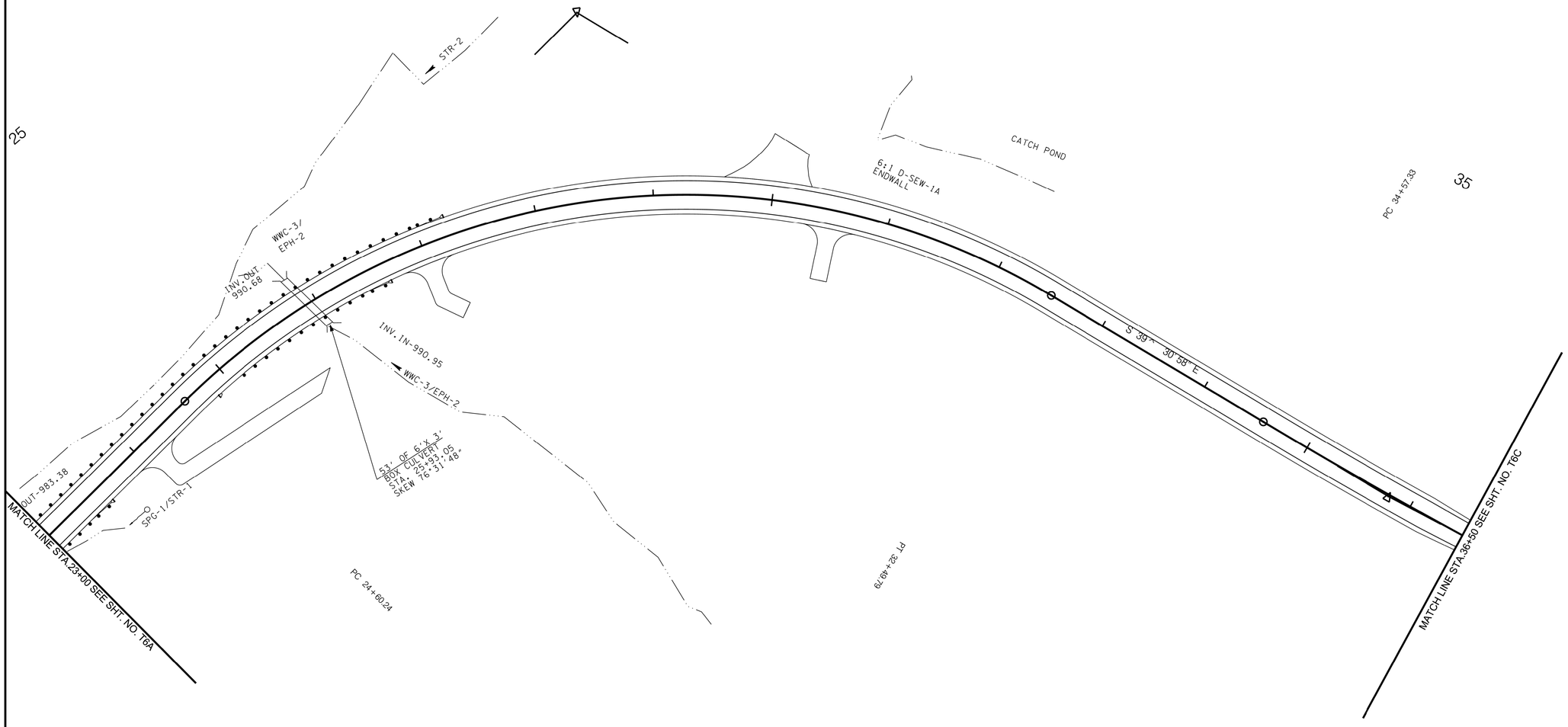
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T6B
PS&E	2025	71951-3510-04	T6B



TRAFFIC CONTROL PHASE 3: BAXTER RD. NORTHBOUND CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. SHIFT TRAFFIC ONTO SOUTHBOUND LANE OF BAXTER RD. TO COMPLETE PROPOSED WIDENING AND TRANSITIONS ON NORTHBOUND LANE OF BAXTER RD. FROM STA. 101+00.00 - 104+90.00 AND STA. 112+27.00 - 115+30.80.
3. FLAGGING OPERATIONS WILL BE REQUIRED FOR BAXTER RD. WIDENING. A WEDGE OF BASE STONE WILL BE PROVIDED OVER NIGHT AND/OR DURING INACTIVE WORK ZONE FOR PAVEMENT EDGE DROP OFFS. ALL FLAGGING AND WEDGING OPERATIONS WILL BE UNDER THE THE DIRECTION OF THE TDOT PROJECT ENGINEER.
4. TDOT PROJECT ENGINEER IS TO ENSURE MINIMAL IMPACTS TO RAMPS, INCLUDING DURING FLAGGING OPERATIONS.

N

PHASE 3

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
ARCHITECTURE
COMMERCE
No. 129970
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.23+00 TO STA.36+50

SCALE: 1"=50'

2/20/2025 11:59:26 AM
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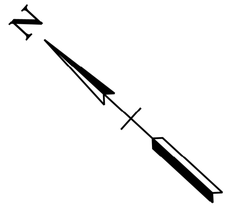
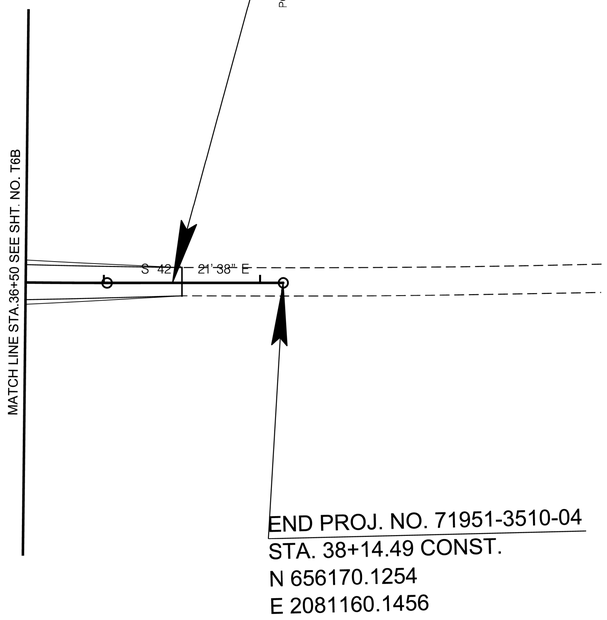
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T6C
PS&E	2025	71951-3510-04	T6C



END PROJ. NO. 71951-2510-04
STA. 37+43.95 ROW.
N 656222.6286
E 2081112.2698

PT 37+02.08

POT 38+14.49



END PROJ. NO. 71951-3510-04
STA. 38+14.49 CONST.
N 656170.1254
E 2081160.1456

TRAFFIC CONTROL PHASE 3: BAXTER RD. NORTHBOUND CONSTRUCTION.
1. MAINTAIN TEMPORARY PAVEMENT AT INTERSECTION OF PROPOSED DITTY RD. AND EXISTING DITTY RD.
2. SHIFT TRAFFIC ONTO SOUTHBOUND LANE OF BAXTER RD. TO COMPLETE PROPOSED WIDENING AND TRANSITIONS ON NORTHBOUND LANE OF BAXTER RD. FROM STA. 101+00.00 - 104+90.00 AND STA. 112+27.00 - 115+30.80.
3. FLAGGING OPERATIONS WILL BE REQUIRED FOR BAXTER RD. WIDENING. A WEDGE OF BASE STONE WILL BE PROVIDED OVER NIGHT AND/OR DURING INACTIVE WORK ZONE FOR PAVEMENT EDGE DROP OFFS. ALL FLAGGING AND WEDGING OPERATIONS WILL BE UNDER THE THE DIRECTION OF THE TDOT PROJECT ENGINEER.
4. TDOT PROJECT ENGINEER IS TO ENSURE MINIMAL IMPACTS TO RAMPS, INCLUDING DURING FLAGGING OPERATIONS.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.36+50 TO STA.38+15
SCALE: 1"=50'

PHASE 3

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T6D
PS&E	2025	71951-3510-04	T6D

TRAFFIC CONTROL PHASE 3: BAXTER RD. NORTHBOUND CONSTRUCTION.
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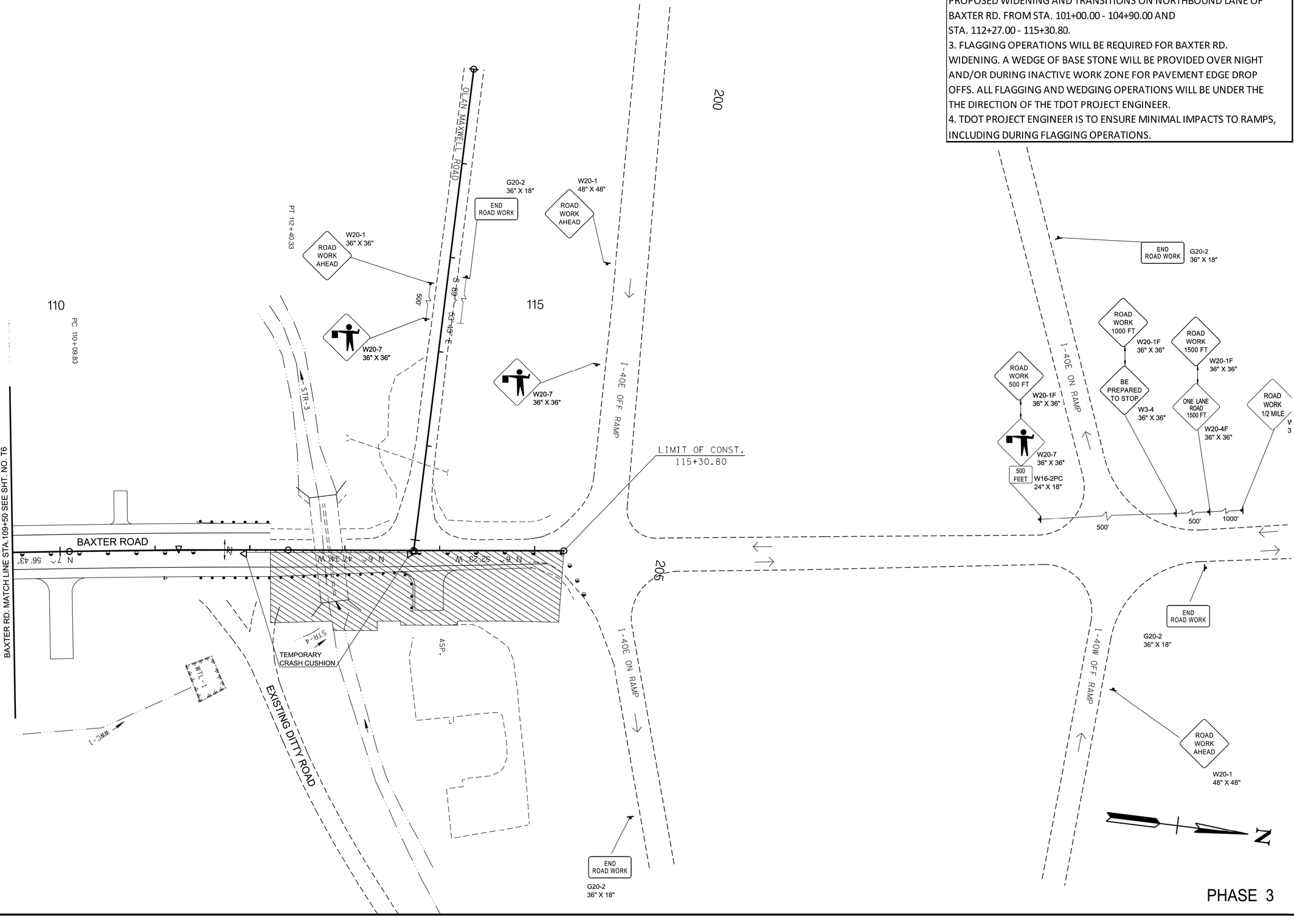

PHASE 3

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JOSEPH H. BURCHFIELD REGISTERED ENGINEER AGRICULTURE COMMERCE STATE OF TENNESSEE
02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

BAXTER RD.
STA.109+50 TO STA.115+30.80
SCALE: 1"=50'

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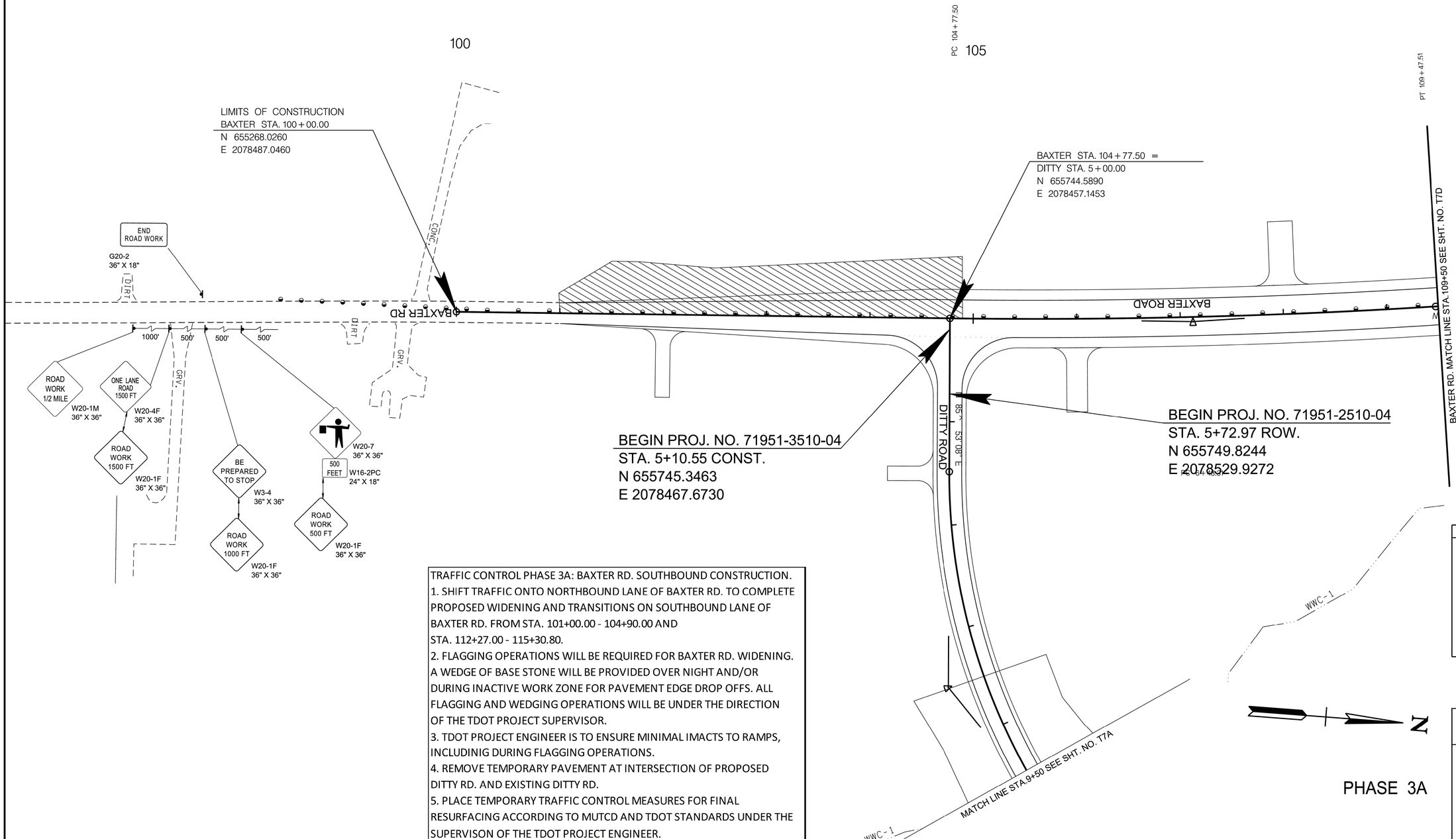
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T7
PS&E	2025	71951-3510-04	T7



TRAFFIC CONTROL PHASE 3A: BAXTER RD. SOUTHBOUND CONSTRUCTION.
1. SHIFT TRAFFIC ONTO NORTHBOUND LANE OF BAXTER RD. TO COMPLETE PROPOSED WIDENING AND TRANSITIONS ON SOUTHBOUND LANE OF BAXTER RD. FROM STA. 101+00.00 - 104+90.00 AND STA. 112+27.00 - 115+30.80.
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5. PLACE TEMPORARY TRAFFIC CONTROL MEASURES FOR FINAL RESURFACING ACCORDING TO MUTCD AND TDOT STANDARDS UNDER THE SUPERVISON OF THE TDOT PROJECT ENGINEER.

PHASE 3A

SEALED BY

JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
LAND SURVEYOR
STATE OF TENNESSEE
02-20-2025

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.5+00 TO STA.9+50

SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T7A
PS&E	2025	71951-3510-04	T7A

TRAFFIC CONTROL PHASE 3A: BAXTER RD. SOUTHBOUND CONSTRUCTION.
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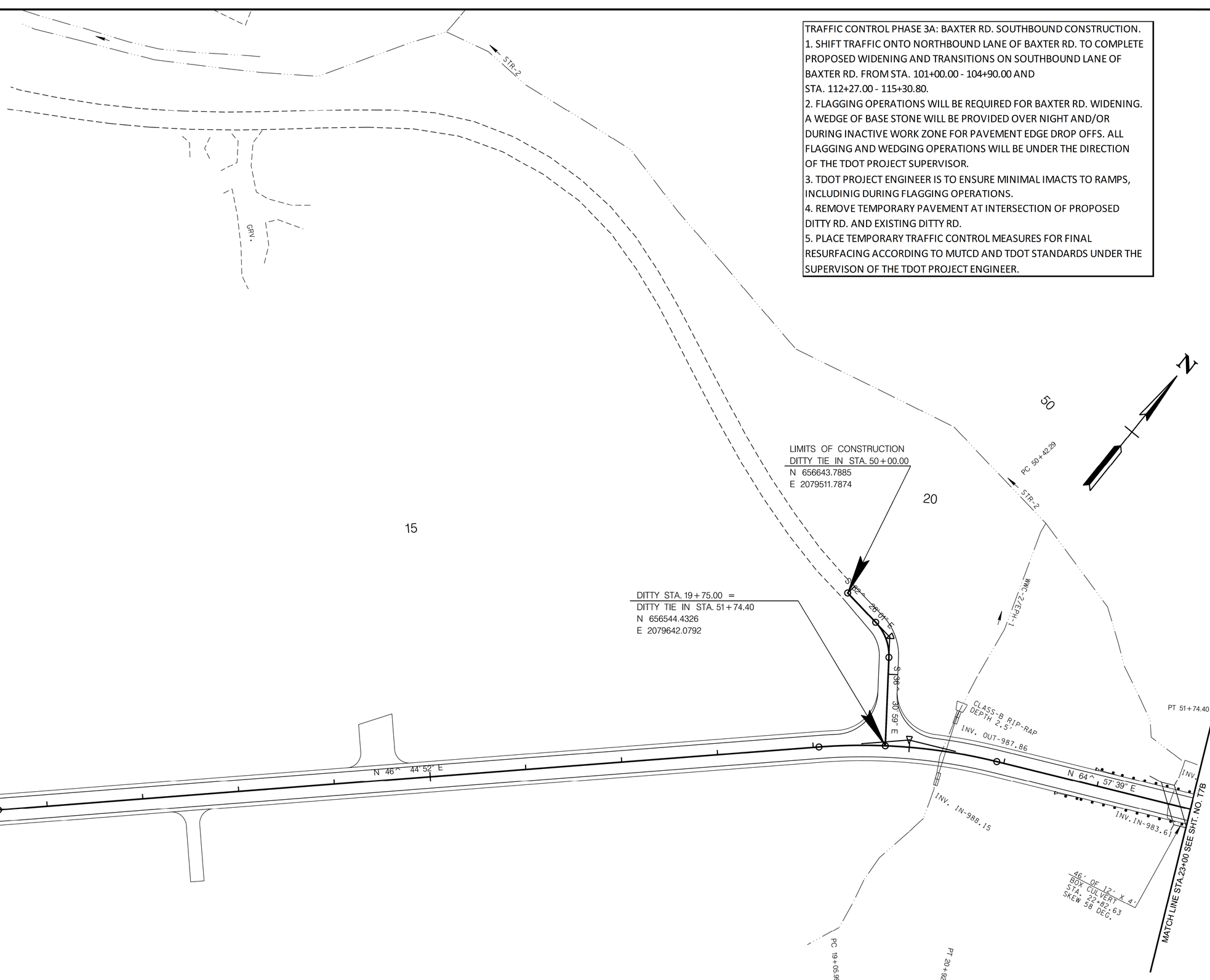

PHASE 3A

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.9+50 TO STA.23+00

SCALE: 1"=50'

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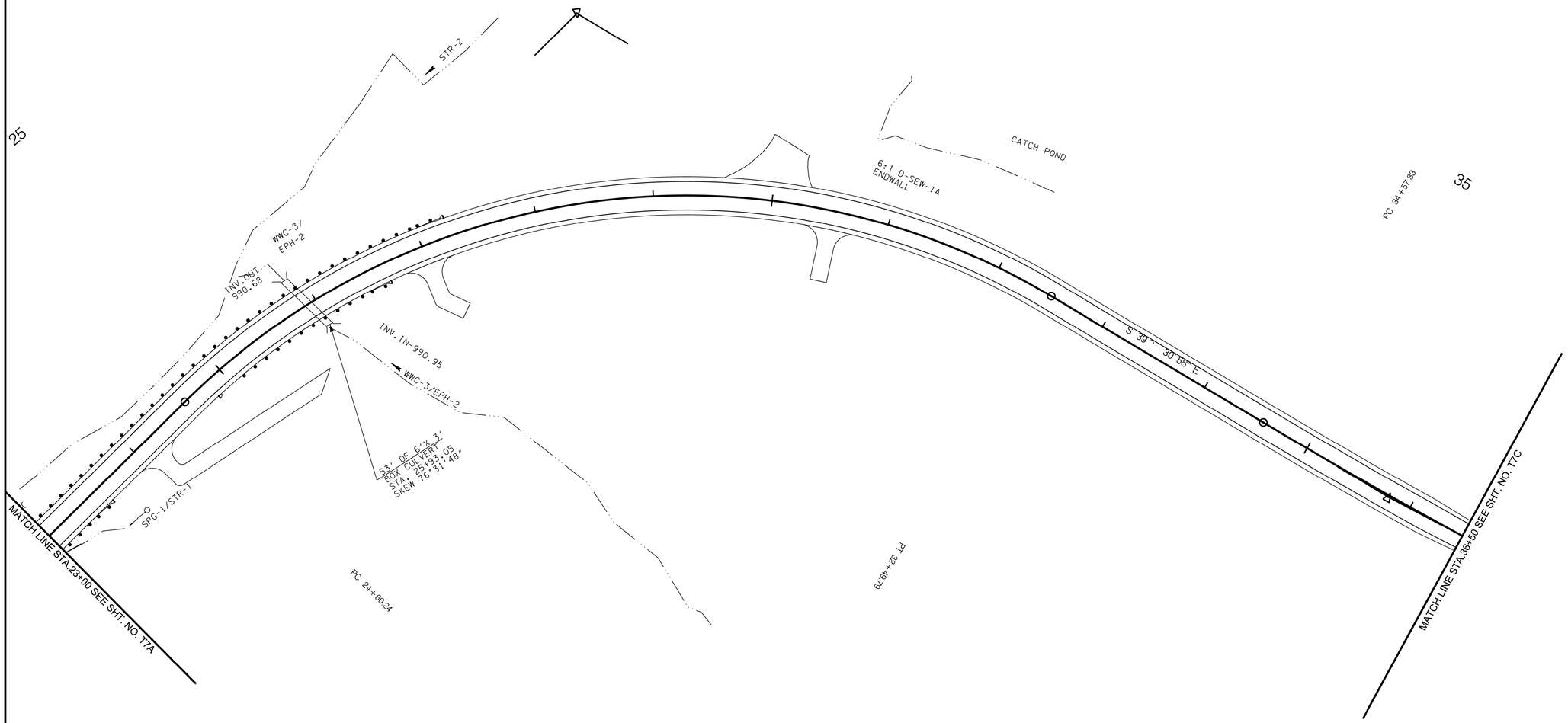
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T7B
PS&E	2025	71951-3510-04	T7B



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JOSEPH H. BURGFIELD REGISTERED ENGINEER AGRICULTURE 2 COMMERCE NO. 127760 STATE OF TENNESSEE 02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.23+00 TO STA.36+50

SCALE: 1"=50'

PHASE 3A

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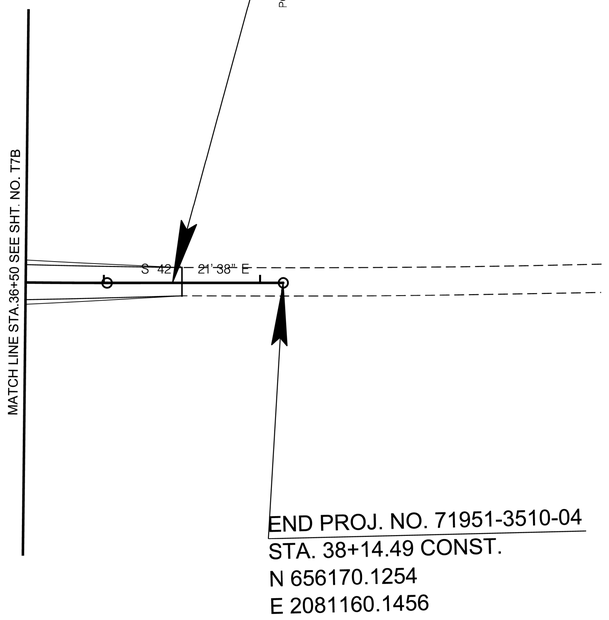
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T7C
PS&E	2025	71951-3510-04	T7C

END PROJ. NO. 71951-2510-04
STA. 37+43.95 ROW.
N 656222.6286
E 2081112.2698

PT 37+02.08

POT 38+14.49



END PROJ. NO. 71951-3510-04
STA. 38+14.49 CONST.
N 656170.1254
E 2081160.1456

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N

PHASE 3A

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA.36+50 TO STA.38+15
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T7D
PS&E	2025	71951-3510-04	T7D

TRAFFIC CONTROL PHASE 3A: BAXTER RD. SOUTHBOUND CONSTRUCTION.
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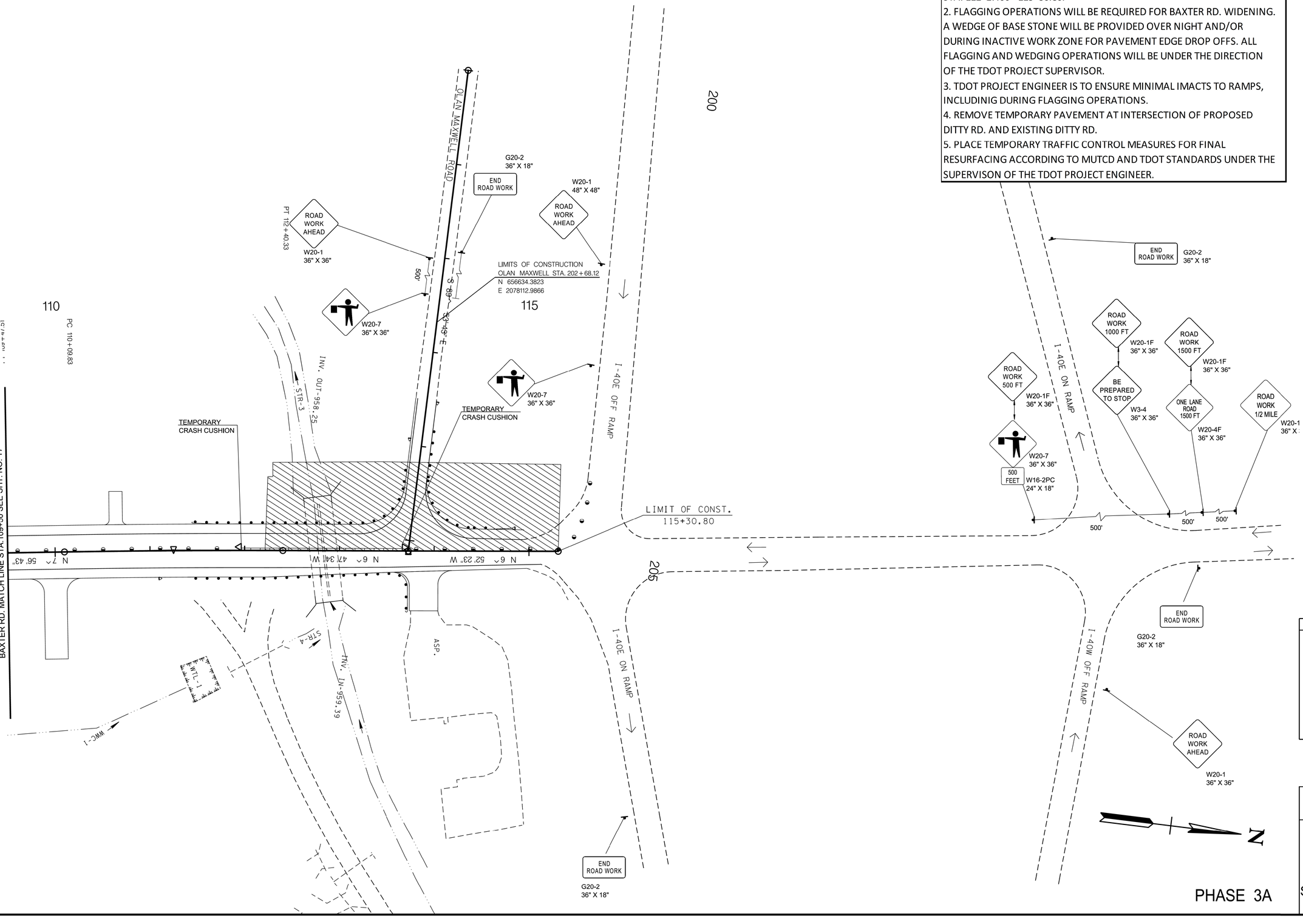

PHASE 3A

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JOSEPH H. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE
02-20-2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

BAXTER RD.
STA.109+50 TO STA.115+30.80
SCALE: 1"=50'

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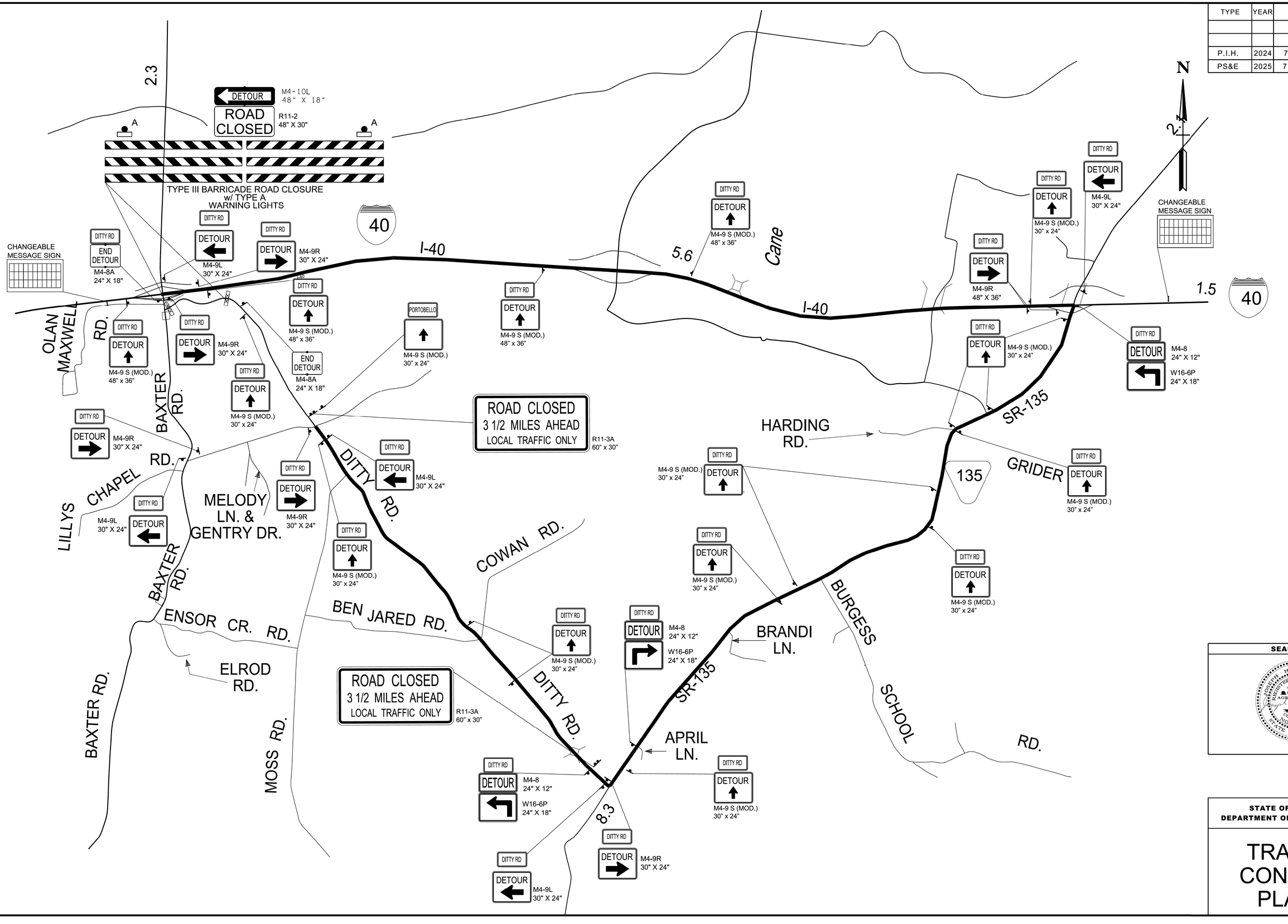
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2024	71951-3510-04	T8
PS&E	2025	71951-3510-04	T8



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JOSEPH A. BURCHFIELD
REGISTERED ENGINEER
AGRICULTURE
No. 127180
STATE OF TENNESSEE
02-20-2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Travis Smith
2025.02.21 08:10:43 -06'00'

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TENNESSEE DEPARTMENT OF TRANSPORTATION
MATERIALS & TESTS DIVISION- GEOTECHNICAL ENGINEERING SECTION
6601 CENTENNIAL BLVD.
NASHVILLE, TN 37243
TRAVIS W. SMITH, P.E. NO. 113851

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	GEOTECH-SIGN1
GEOTECHNICAL PLANS	G-2 - G-14

YEAR	PROJECT NO.	SHEET NO.
2025	71951-3510-04	GEOTECH-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-1
PS&E	2025	71951-3510-04	G-1

GEOTECHNICAL INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET	GEOTECH-SIGN1
GEOTECHNICAL INDEX	G-1
GEOTECHNICAL NOTES AND TABULATED QUANTITIES	G-2
GEOTECHNICAL BORING LAYOUTS	G-3, G-5, G-7, G-9
GEOTECHNICAL BORING PROFILES	G-4, G-6, G-8, G-10
GEOTECHNICAL TYPICAL SECTIONS	G-11 - G-14

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GEOTECHNICAL
INDEX

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-2
PS&E	2025	71951-3510-04	G-2

DEFINITION OF EARTHWORK TERMS

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

A. SOIL MATERIAL

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

B. SOLID ROCK MATERIAL

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

C. SOFT ROCK OR DEGRADABLE ROCK

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

D. TRANSITIONAL MATERIALS

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

TABULATED GEOTECH QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(3)(1)	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	30,600
(3)(4)	203-05	UNDERCUTTING	C.Y.	10,400
(3)(2)	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	20
(3)(2)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	80
(3)(2)	740-06.01	GEOMEMBRANE	S.Y.	50
(3)(1)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	22,500

FOOTNOTES:

(1) THIS ITEM TO BE USED BETWEEN STA. 8+50 TO 19+50, STA. 25+00 TO 27+00, AND BAXTER ROAD STA. 112+00 TO 113+00 (EXCLUDING THE AREA OF THE BOX CULVERT) OR OTHERWISE AS DIRECTED BY ENGINEER FOR THE STABILIZATION OF SUBGRADE.

(2) THIS ITEM TO BE USED BETWEEN STA. 26+50 TO 27+00 OR OTHERWISE AS DIRECTED BY ENGINEER FOR THE STABILIZATION OF SUBGRADE.

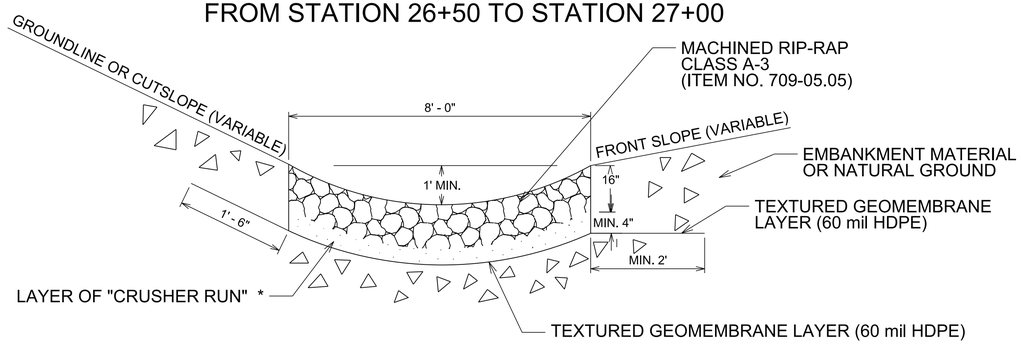
(3) FOR BIDDING PURPOSES, THESE QUANTITIES ARE INCLUDED IN THE SHEET 2 SERIES.

(4) THIS ITEM TO BE USED BETWEEN STA. 13+00 TO 19+50 AND STA. 25+00 TO 27+00 OR OTHERWISE AS DIRECTED BY ENGINEER FOR THE STABILIZATION OF SUBGRADE.

NOTES

GRADED SOLID ROCK PADS WILL BE REQUIRED:
- 8+50 TO 19+50 DITTY ROAD
- 25+00 TO 27+00 DITTY ROAD
- 112+00 TO 113+00 BAXTER ROAD (EXCLUDING AREA OF BOX CULVERT)

REPRESENTATIVE GEOMEMBRANE LINED RIP-RAP DITCH FROM STATION 26+50 TO STATION 27+00



DETAIL A

* GRANULAR BACKFILL (ROADWAY) - ITEM NO. 303-01.01

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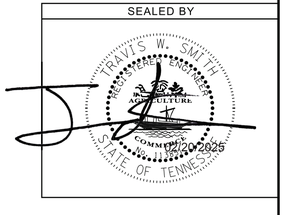

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL NOTES & TAB. QTYS.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-3
PS&E	2025	71951-3510-04	G-3

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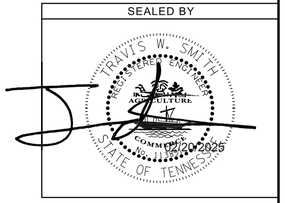

LEGEND

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING LAYOUT

CELL BDRSG

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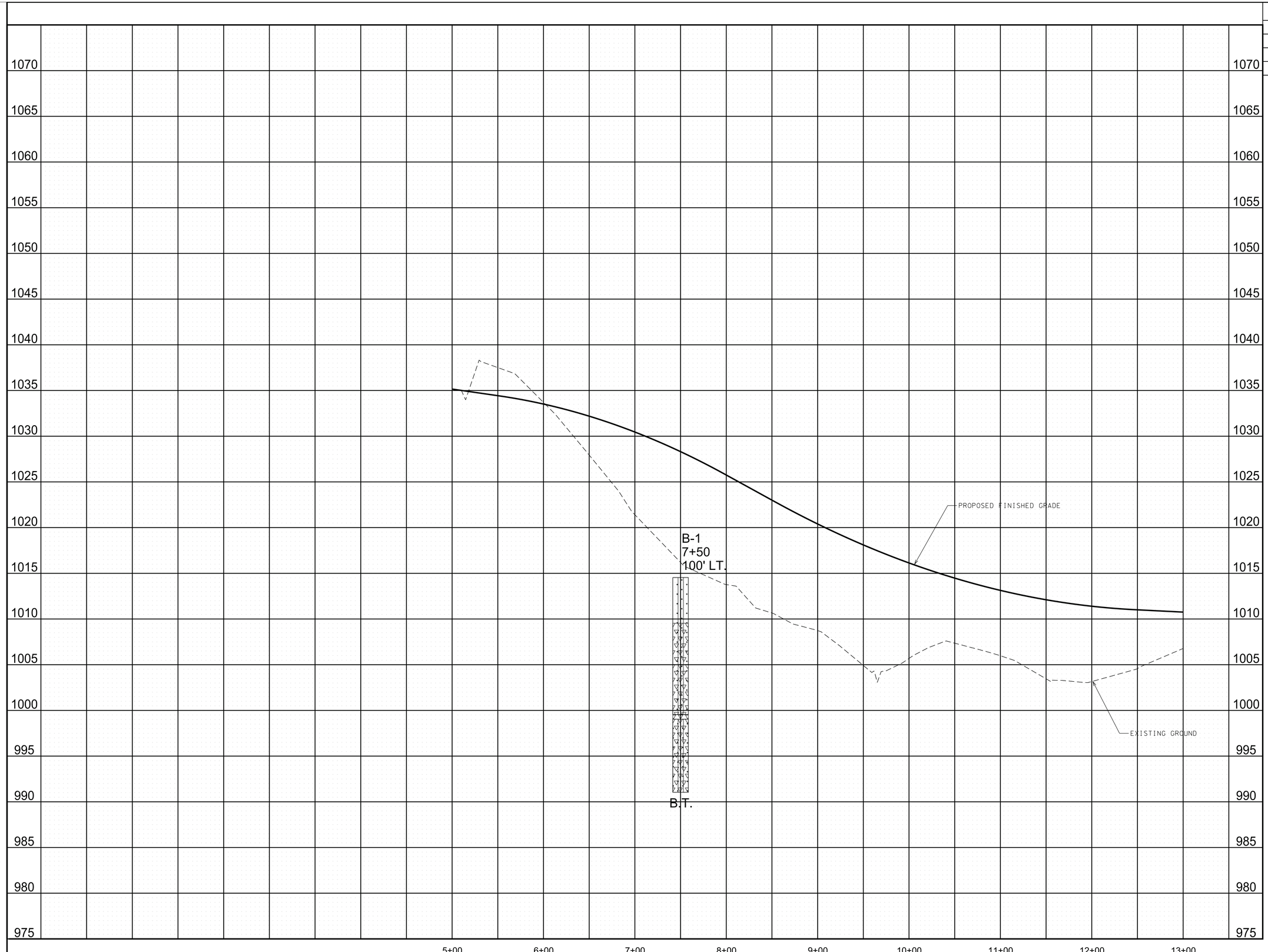
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-4
PS&E	2025	71951-3510-04	G-4



LEGEND

SAND WITH SILT (TYPE A MATERIAL)

SAND WITH SILT & CHERT (TYPE A MATERIAL)

CHERT (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

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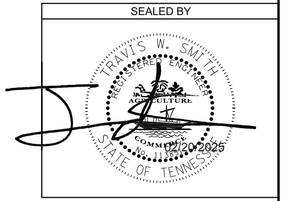

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF . AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING PROFILE

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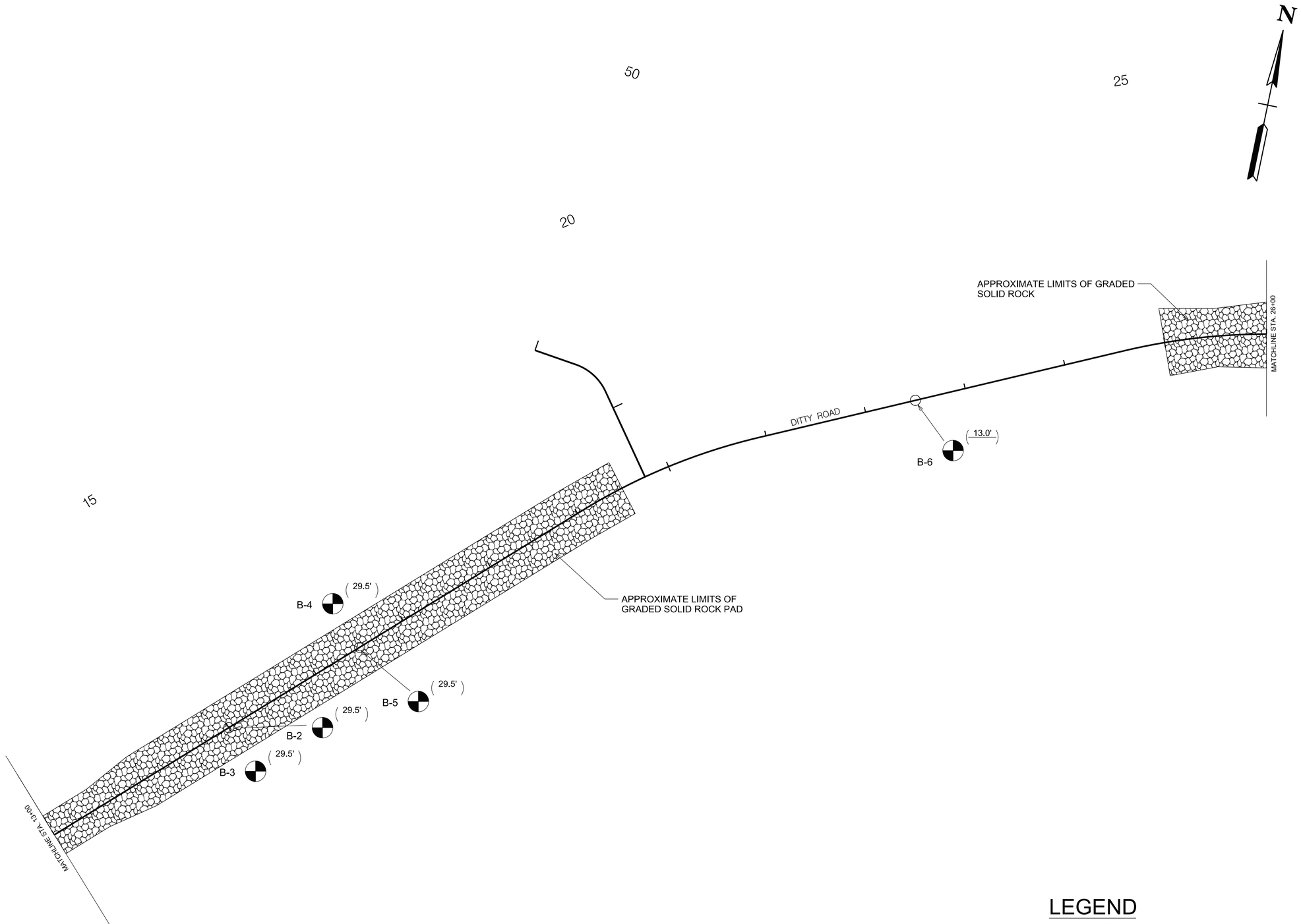
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-5
PS&E	2025	71951-3510-04	G-5



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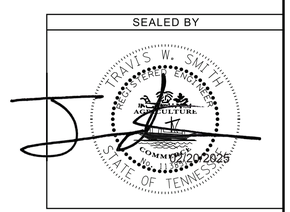

LEGEND

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

CELL BDRSG

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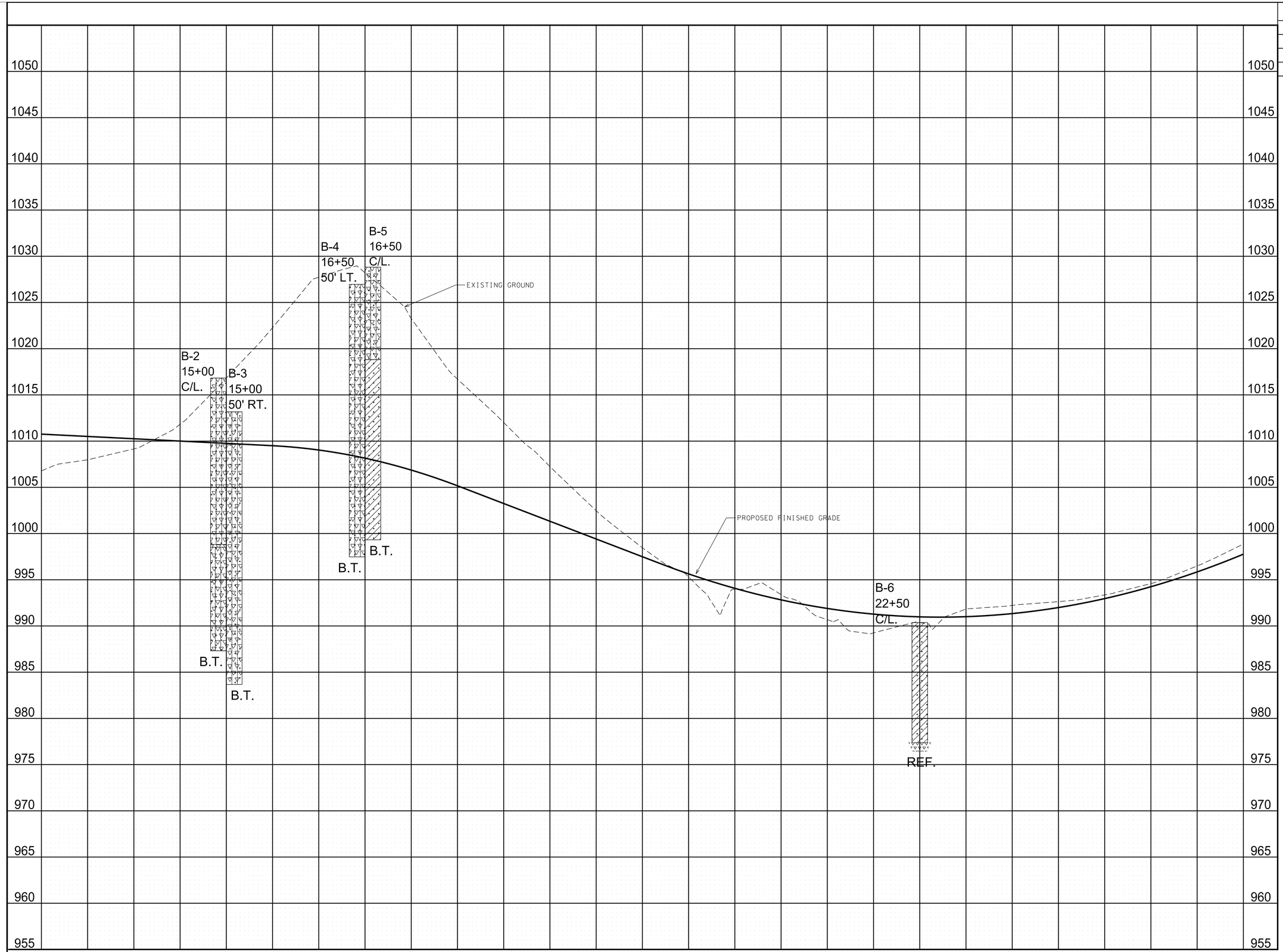
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-6
PS&E	2025	71951-3510-04	G-6

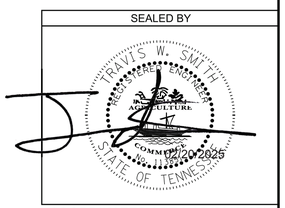


LEGEND

- SAND WITH SILT & CHERT (TYPE A MATERIAL)
- CHERT (TYPE A MATERIAL)
- SAND WITH CLAY (TYPE A MATERIAL)

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

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING PROFILE

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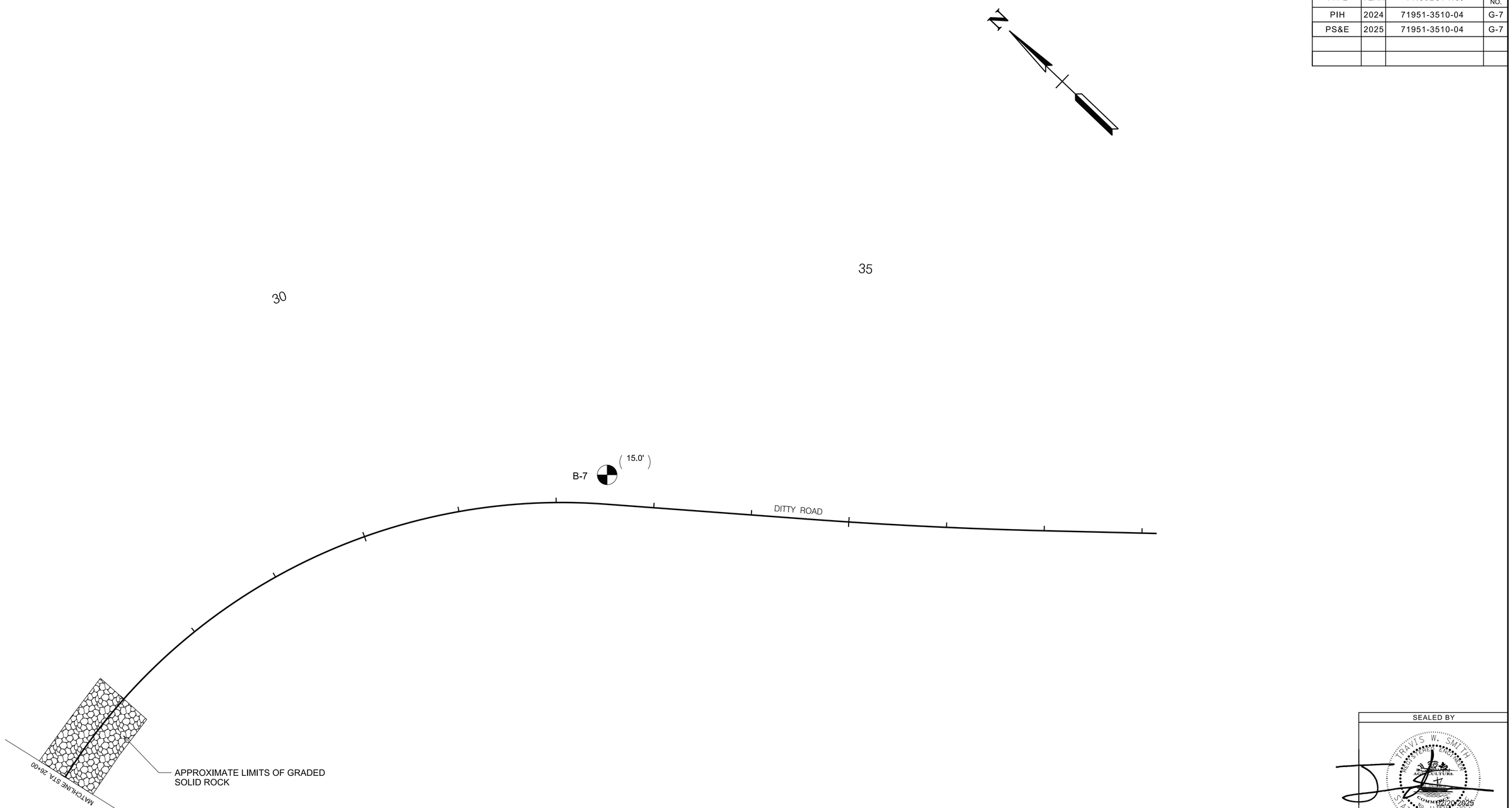
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-7
PS&E	2025	71951-3510-04	G-7



SEALED BY

TRAVIS W. SMITH
REGISTERED ENGINEER
NO. 121202
STATE OF TENNESSEE
COMMISSIONED
12/31/2025

LEGEND

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING LAYOUT

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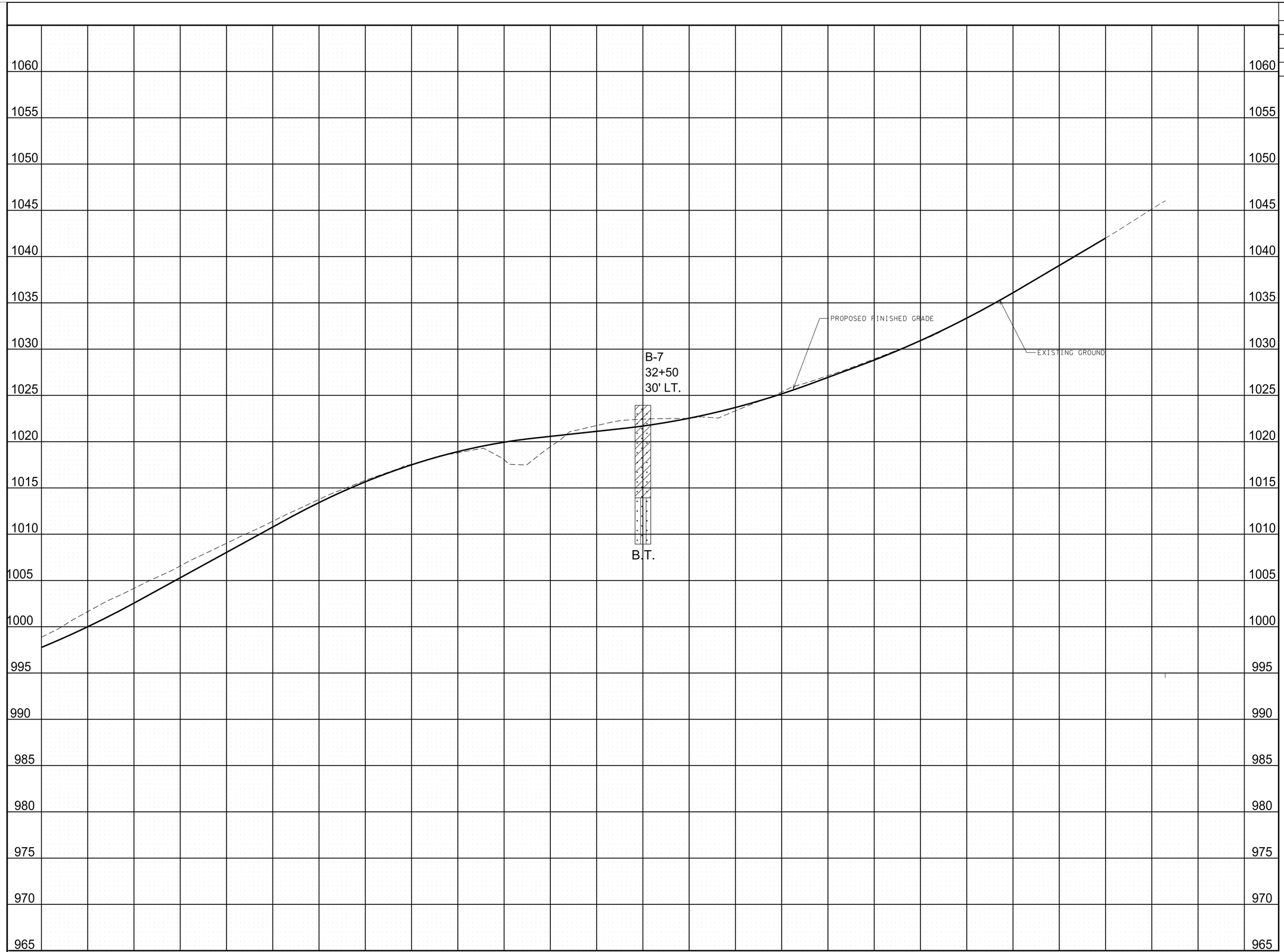
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-8
PS&E	2025	71951-3510-04	G-8



LEGEND

SAND WITH CLAY
(TYPE A MATERIAL)

SAND WITH SILT
(TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

SEALED BY

TRAVIS W. SMITH
REGISTERED ENGINEER
AGRICULTURE
COMMISSION
12/20/2025
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING
PROFILE

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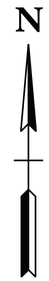
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-9
PS&E	2025	71951-3510-04	G-9



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205

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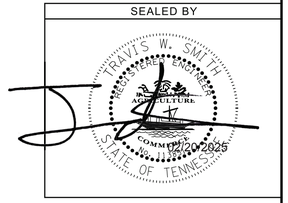

LEGEND

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING LAYOUT

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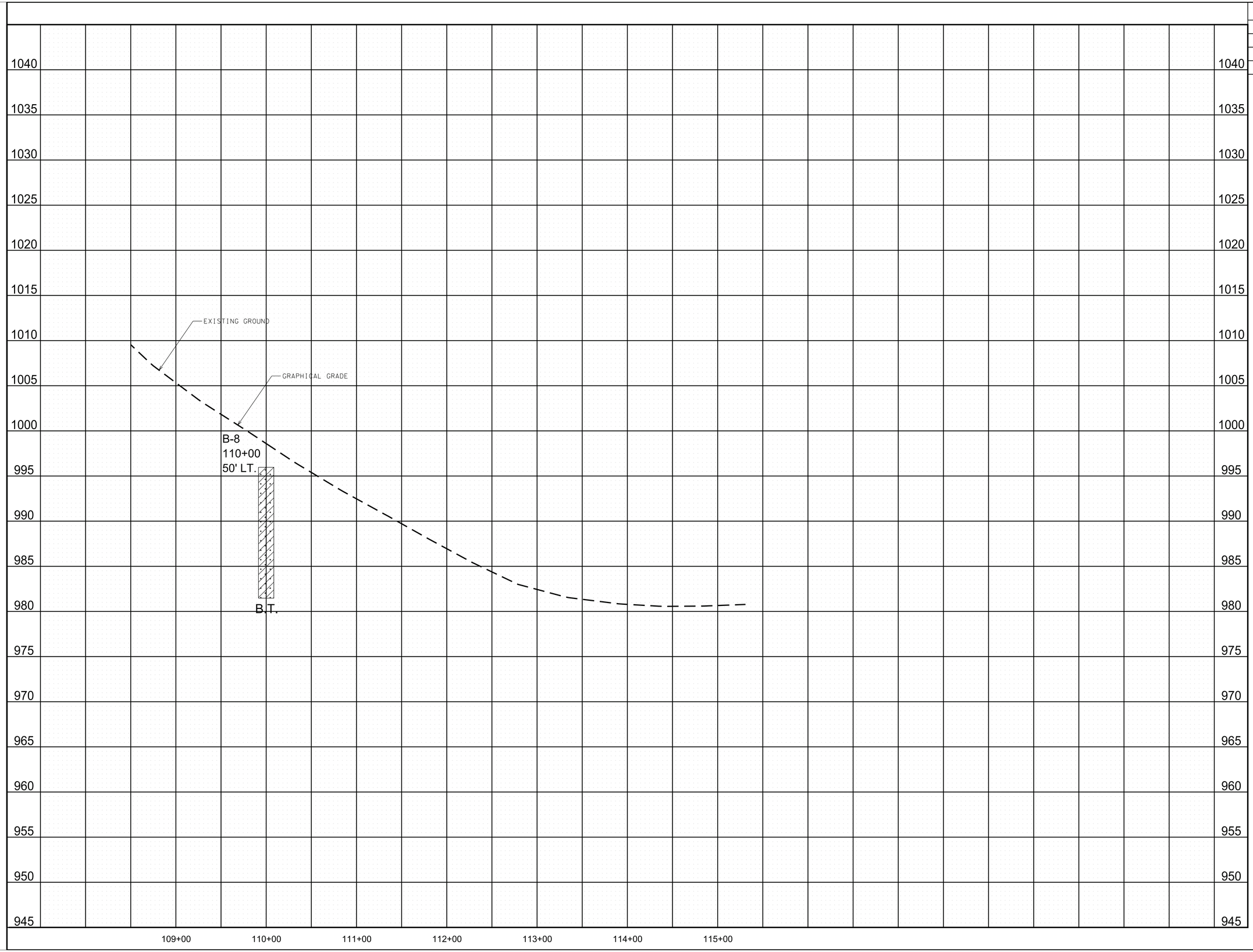
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-10
PS&E	2025	71951-3510-04	G-10



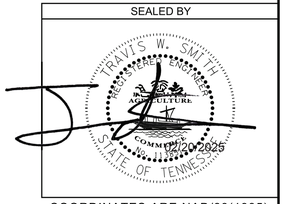
LEGEND

SAND (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING
PROFILE

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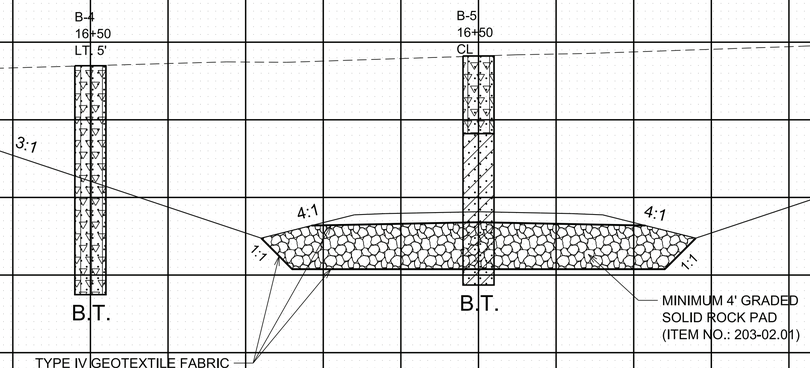
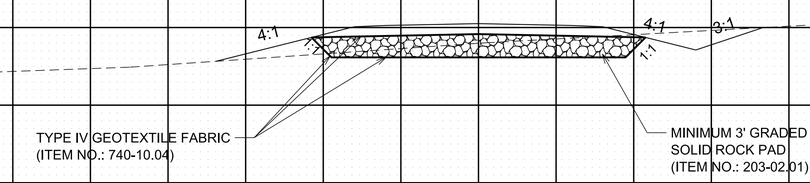
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-11
PS&E	2025	71951-3510-04	G-11

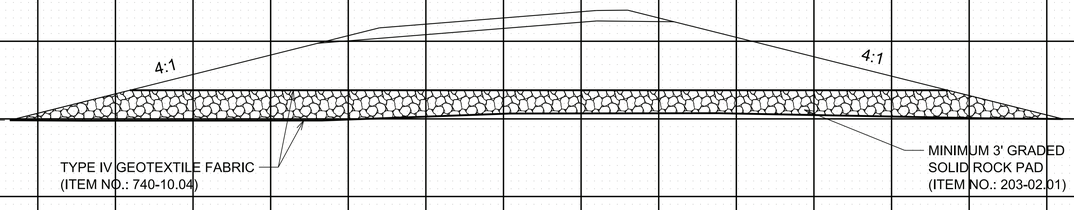
REPRESENTATIVE TYPICAL FROM STATION 14+00.00 TO STATION 19+50.00



REPRESENTATIVE TYPICAL FROM STATION 13+00.00 TO STATION 14+00.00



REPRESENTATIVE TYPICAL FROM STATION 8+50.00 TO STATION 13+00.00



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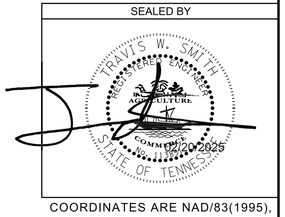

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

CELL MGRID

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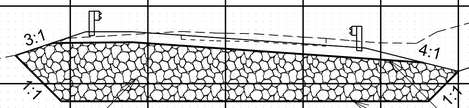
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-12
PS&E	2025	71951-3510-04	G-12

REPRESENTATIVE TYPICAL FROM STATION 25+50.00 TO STATION 26+00.00

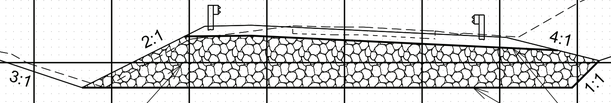


MINIMUM 5' GRADED SOLID ROCK
(ITEM NO. 203-02.01)

TYPE IV GEOTEXTILE FABRIC
(ITEM NO. 740-10.04)

25+50.00
DITTY ROAD

REPRESENTATIVE TYPICAL FROM STATION 25+00.00 TO STATION 25+50.00



MINIMUM 5' GRADED SOLID ROCK
(ITEM NO. 203-02.01)

TYPE IV GEOTEXTILE FABRIC
(ITEM NO. 740-10.04)

25+00.00
DITTY ROAD

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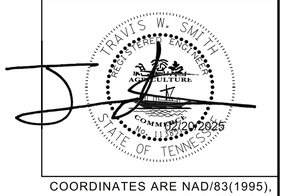

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

CELL MGRID

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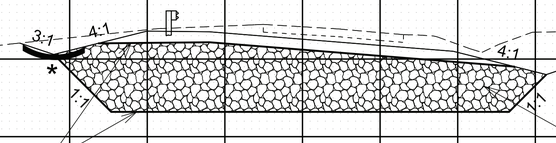
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-13
PS&E	2025	71951-3510-04	G-13

REPRESENTATIVE TYPICAL FROM STATION 26+50.00 TO STATION 27+00.00



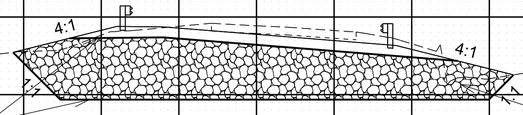
TYPE IV GEOTEXTILE FABRIC
(ITEM NO. 740-10.04)

MINIMUM 5' GRADED SOLID ROCK
(ITEM NO. 203-02.01)

27+00.00
DITTY ROAD

* REFER TO GEOTECHNICAL NOTES AND ESTIMATED QUANTITIES SHEET G-2 FOR GEOMEMBRANE RIP-RAP DITCH DETAILS.

REPRESENTATIVE TYPICAL FROM STATION 26+00.00 TO STATION 26+50.00



TYPE IV GEOTEXTILE FABRIC
(ITEM NO. 740-10.04)

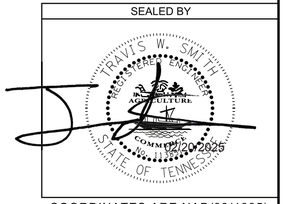
MINIMUM 5' GRADED SOLID ROCK
(ITEM NO. 203-02.01)

26+00.00
DITTY ROAD

1010
1000
990
980

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

SEALED BY



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DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

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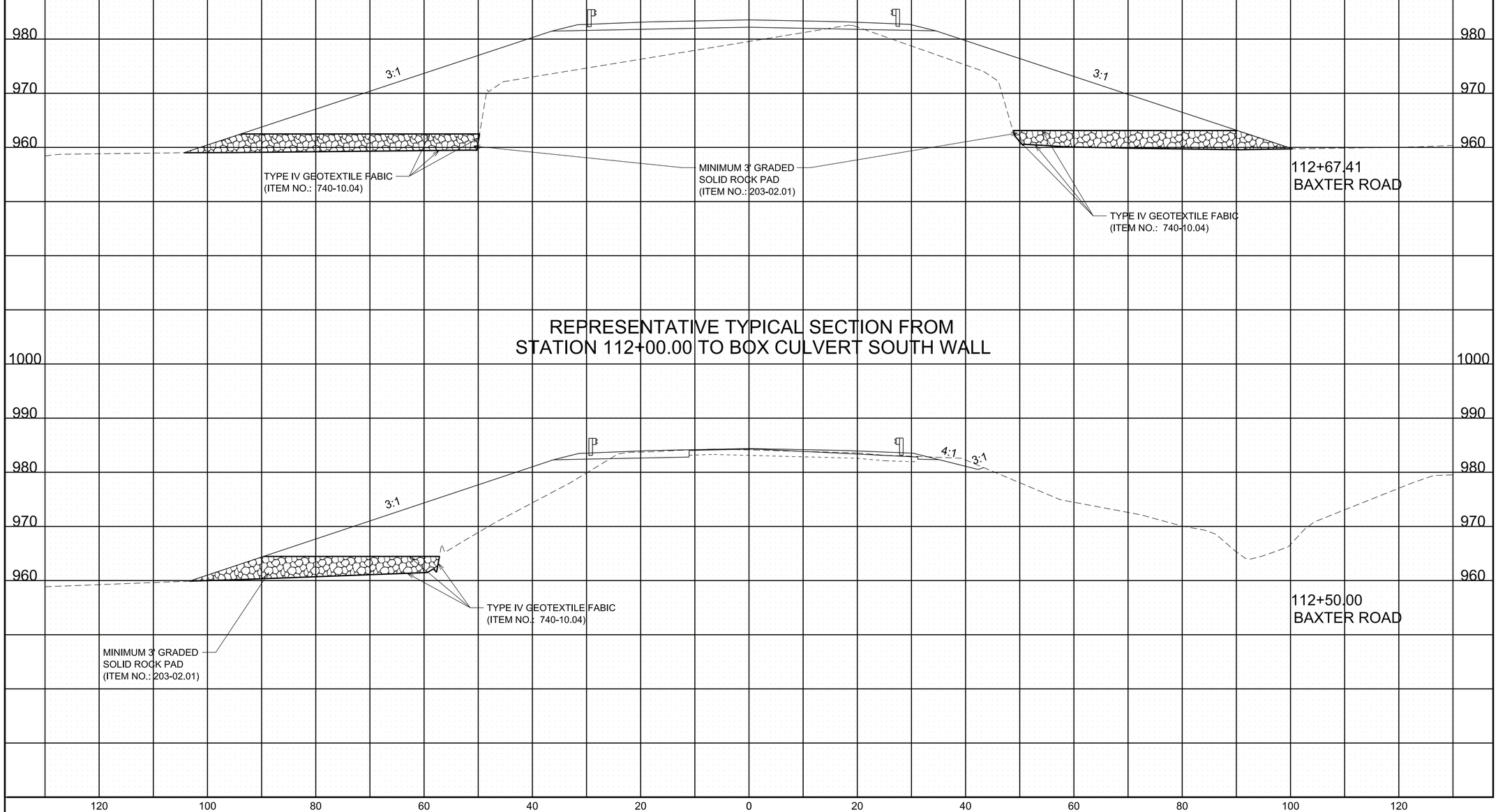
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	71951-3510-04	G-14
PS&E	2025	71951-3510-04	G-14

REPRESENTATIVE TYPICAL SECTION FROM BOX CULVERT NORTH WALL TO STATION 113+00.00 LEFT OF CENTERLINE STATION 112+50 TO STATION BOX CULVERT SOUTH WALL RIGHT OF CENTERLINE



REPRESENTATIVE TYPICAL SECTION FROM STATION 112+00.00 TO BOX CULVERT SOUTH WALL

SEALED BY

TRAVIS W. SMITH
REGISTERED ENGINEER
AGRICULTURE
COMMISSION
STATE OF TENNESSEE
12/20/2025

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

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DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2025	71951-1510-04	
CONST.	2025	71951-3510-04	S-1

SWPPP INDEX OF SHEETS

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

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

1. SWPPP REQUIREMENTS (5.0.)

1.1. HAS THE SWPPP TEMPLATE BEEN PREPARED BY AN INDIVIDUAL THAT HAS THE FOLLOWING LICENSING AND/OR CERTIFICATIONS (5.2)?

☒ YES (CHECK ALL THAT APPLY BELOW) OR ☐ NO

- ☐ CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC)
- ☐ A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT
- ☒ HAS SUCCESSFULLY COMPLETED TDEC LEVEL II COURSE

1.2. DO THE EPSC PLANS INVOLVE STRUCTURAL DESIGN, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS FOR EPSC STRUCTURAL MEASURES (E.G. SEDIMENT BASINS) (5.2.)? YES ☐ NO ☒

IF YES, HAVE THE EPSC PLANS BEEN PREPARED, STAMPED AND CERTIFIED BY A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT? ☐ YES ☐ NO

1.3. DO THE PROJECT STORMWATER OUTFALLS DISCHARGE INTO THE FOLLOWING (6.4.1.)? ☐ YES (CHECK ALL THAT APPLY BELOW) ☒ NO

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

2. SITE DESCRIPTION (5.5.1.)

2.1. PROJECT LIMITS (5.5.1.f): REFER TO TITLE SHEET

2.2. TOTAL PROJECT AREA (5.5.1.b): 14.847 ACRES

2.3. TOTAL AREA TO BE DISTURBED (5.5.1.b): 13.426 ACRES

2.4. PROJECT DESCRIPTION (5.5.1.a):

TITLE: State Industrial Access Serving Project Sim (Portobello America, Inc)
COUNTY: Putnam
PIN: 128970.00

2.5. SITE MAP(S) (3.2.2.): REFER TO TITLE SHEET

2.6. DESCRIPTION OF EXISTING SITE TOPOGRAPHY (5.5.1.c): REFER TO EXISTING CONTOURS SHEET(S) 21, 21A, 21B, 21C, DRAINAGE MAP SHEET(S) 13, 14, USGS QUAD MAP, AND THE OUTFALL TABLE IN SECTION 4.2.

2.7. MAJOR SOIL DISTURBING ACTIVITIES (5.5.1.a) (CHECK ALL THAT APPLY):

- ☒ CLEARING AND GRUBBING
- ☒ EXCAVATION
- ☒ CUTTING AND FILLING
- ☒ FINAL GRADING AND SHAPING
- ☒ UTILITIES
- ☐ OTHER (DESCRIBE): _____

2.8. NO MORE THAN 50 ACRES OF ACTIVE SOIL DISTURBANCE IS ALLOWED AT ANY TIME DURING THE CONSTRUCTION OF THE PROJECT.

2.9. ARE THERE ANY SEASONAL LIMITATIONS ON WORK? ☐ YES ☒ NO

IF YES, LIST THE CORRESPONDING PLAN SHEET: _____

2.10. WAS ROW FINALIZED PRIOR TO FEBRUARY 1, 2010 (4.1.2.2)?

☐ YES _____ (DATE) ☒ NO

IF ROW WAS FINALIZED PRIOR TO FEBRUARY 1, 2010, THIS PROJECT IS CONSIDERED A PRE-APPROVED SITE (4.1.2.2)

2.11. SOIL PROPERTIES (5.5.1.d, 5.5.3.3.d, 5.5.3.6.b).

SOIL PROPERTIES FOR THE PRIMARY SOILS ARE LISTED IN THE TABLE BELOW.

SOIL PROPERTIES

PRIMARY SOIL NAME	HSG	% OF SITE	ERODIBILITY (k value)
Christian silty clay loam, 12 to 20 percent slopes, severely eroded	B	15.9	0.32
Christian silty clay loam, 5 to 12 percent slopes, severely eroded	B	14.7	0.32
Bewleyville silty clay loam, 5 to 12 percent slopes, severely eroded	B	10.2	0.37
Christian silt loam, 2 to 5 percent slopes, eroded	B	7.2	0.37
Bewleyville silt loam, 2 to 5 percent slopes	B	6.6	0.43
Christian silt loam, 5 to 12 percent slopes, eroded	B	6.5	0.37
Mountview silt loam, shallow, 2 to 5 percent slopes	B	6.3	0.43
Sengtown gravelly silt loam, 5 to 12 percent slopes	B	5.6	0.17
Mountview silt loam, 5 to 12 percent slopes, eroded	B	5.5	0.43
Lindell silt loam, 0 to 2 percent slopes, occasionally flooded	B/D	5.0	0.32
Sengtown gravelly silt loam, 12 to 20 percent slopes	B	3.9	0.17
Baxter cherty silty clay loam, 12 to 20 percent slopes, severely eroded	B	3.3	0.2
Bewleyville silt loam, 5 to 12 percent slopes, eroded	B	3.3	0.43
Hawthorne gravelly silt loam, 20 to 60 percent slopes	B	2.1	0.2
Hawthorne-Sugargrove complex, 5 to 20 percent slopes	A	1.6	0.28
Landisburg silt loam, 5 to 12 percent slopes	C/D	1.3	0.43
Mountview silt loam, shallow, 5 to 12 percent slopes	B	0.8	0.43

2.12. IS ACID PRODUCING ROCK (APR) (i.e. PYRITE) LOCATED WITHIN THE PROJECT LIMITS? ☐ YES ☒ NO

2.12.1. IF YES TO SECTION 2.13, HAVE APR LOCATIONS BEEN IDENTIFIED WITHIN THE CONSTRUCTION PLANS AND/OR THE GEOTECHNICAL REPORT? ☐ YES ☐ NO; AND

2.12.2. IF YES TO SECTION 2.12.1, HAS A SPECIAL HANDLING PLAN AND/OR ADAPTIVE MANAGEMENT PLAN (AMP) BEEN PREPARED FOR THE PROJECT? ☐YES ☐ NO ☐ N/A (TDOT SP107L WILL BE APPLIED.)

2.13. PROJECT RUNOFF COEFFICIENTS AND AREA PERCENTAGES (5.5.3.6.a).

RUNOFF COEFFICIENTS FOR EXISTING CONDITIONS

AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
GRASS	6.3	42.3		0.4
FORESTED	6.2	41.8		0.3
PAVEMENT	1.9	13.1		0.9
GRAVEL	0.4	2.8		0.6
WEIGHTED CURVE NUMBER OR C-FACTOR =				0.43

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS

AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
GRASS	9.8	65.8		0.4
FORESTED	0.5	3.4		0.3
PAVEMENT	4.5	30.8		0.9
GRAVEL	0.0	0.0		0.6
WEIGHTED CURVE NUMBER OR C-FACTOR =				0.55

3. ORDER OF CONSTRUCTION ACTIVITIES (5.5.1.a)

CONSTRUCTION SHALL BE SEQUENCED AND STAGED TO: MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED SOIL AREAS, PRESERVE TOPSOIL, AND MINIMIZE SOIL COMPACTION. NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE ORDER OF CONSTRUCTION ACTIVITIES AND THE BASIC EPSC DEVICES DEPICTED ON THE EPSC PLAN CONTAINED WITHIN THE APPROVED SWPPP.

3.1. SPECIAL SEQUENCING REQUIREMENTS (SEE SHEETS 20, 22D)

3.2. INSTALL STABILIZED CONSTRUCTION EXITS.

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

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

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

3.6. REMOVE AND STORE TOPSOIL.

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

3.8. INSTALL CULVERTS AND BRIDGE STRUCTURES.

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

3.10. PERFORM FINAL GRADING AND INSTALL BASE STONE.

3.11. COMPLETE FINAL PAVING AND SEALING OF CONCRETE.

3.12. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.

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

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

3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

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

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

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

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

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

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

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2025	71951-1510-04	
CONST.	2025	71951-3510-04	S-2

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)
SPG-1/STR-1	Unnamed trib. to Maxwell Branch	No	No	Yes	Yes
STR-2	Unnamed trib. to Maxwell Branch	No	No	Yes	Yes
STR-3	Maxwell Branch	No	No	Yes	Yes

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

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)
WWC-2/EPH-1	Yes	Yes
WWC-3/EPH-2	Yes	Yes

4.1.5. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES REQUIRED FOR WATERS OF THE STATE? (5.5.1.l, 6.4.2.)

☒ YES ☐ NO

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

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) 21C.

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

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

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

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

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

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

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

☒ YES ☐ NO

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

IF YES, EXISTING CONDITIONS DESCRIPTION:_____

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

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

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

4.2. OUTFALL INFORMATION

4.2.1. OUTFALL TABLE (5.5.1.c). SEE SWPPP SHEET S-8 FOR OUTFALL INFORMATION.

4.2.2. HAVE ALL OUTFALLS BEEN LABELED ON THE EPSC PLAN SHEETS (5.5.1.f)? ☒ YES ☐ NO

4.2.3. HAVE ALL OUTFALLS BEEN LABELED ON A USGS TOPOGRAPHIC MAP INCLUDED IN THE "DOCUMENTATION AND PERMITS" BINDER (3.2.2.)? ☒YES ☐ NO

4.2.4. WHERE POSSIBLE, HAS NON-PROJECT RUN-ON BEEN DIVERTED AROUND OR THROUGH THE PROJECT TO ELIMINATE CONTACT WITH DISTURBED AREAS OF THE PROJECT AND SEPARATE IT FROM PROJECT RUN-OFF THEREBY REDUCING THE DRAINAGE AREA OF TO THE OUTFALLS IN THIS AREA?

☒ YES ☐ NO ☐ N/A

4.2.5. ARE EQUIVALENT MEASURES BEING SUBSTITUTED FOR A SEDIMENT BASIN(S) OR SEDIMENT TRAP(S)? (5.5.3.5.)

☐ YES ☐ NO ☒ N/A

4.2.6. A SEDIMENT BASIN, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:

OF TEN ACRES OR MORE FOR AN OUTFALL(S) THAT DOES NOT DISCHARGE TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN OR EQUIVALENT CONTROL MEASURES THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A MINIMUM 2-YEAR/ 24-HOUR STORM EVENT, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (5.5.3.5)

OR

OF FIVE ACRES OR MORE FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS (ETW). A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/ 24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (6.4.1.e).

ALL CALCULATIONS RELATED TO DRAINAGE AREAS, RUNOFF COEFFICIENTS, BASIN VOLUMES AND EQUIVALENT CONTROL MEASURES MUST BE PROVIDED IN THE SWPPP (5.5.3.5.)

4.2.7. A SEDIMENT TRAP, OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:

OF 3.5 - 4.9 ACRES FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS (303d SILTATION) OR EXCEPTIONAL TENNESSEE WATERS (ETW). A SEDIMENT TRAP THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL PERMANENT STABILIZATION OF THE SITE. (6.4.1.f).

IN BOTH INSTANCES, THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS.

4.2.8. SEDIMENT STRUCTURES TREATING DRAINAGE AREAS IN EXCESS OF 25 ACRES REQUIRE A SITE-SPECIFIC DESIGN THAT ACCURATELY DEFINES THE SITE HYDROLOGY, SITE-SPECIFIC SEDIMENT LOADING, HYDRAULICS OF THE SITE, AND ADHERES TO ALL TENNESSEE EROSION AND SEDIMENT CONTROL HANDBOOK DESIGN RECOMMENDATIONS FOR SEDIMENT BASINS. (5.5.3.5.)

4.3. WETLAND INFORMATION

WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROLS IMPACT ANY WETLANDS? ☒ YES ☐ NO

IF YES, THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND IN THE WATER QUALITY PERMITS.

WETLAND INFORMATION				
TDOT WETLAND LABEL	FROM STATION LT OR RT	TO STATION LT OR RT	TEMPORARY IMPACTS (AC)	PERMANENT IMPACTS (AC)
WTL-1	111+30 RT	111+75 RT	0	0

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) 1B.

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)

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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 20 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 20 (5.5.3.1.j).

5.20. DISCHARGES FROM DEWATERING ACTIVITIES ARE PROHIBITED UNLESS MANAGED BY APPROPRIATE CONTROLS THAT PROVIDE THE LEVEL OF TREATMENT (FILTRATION) NECESSARY TO COMPLY WITH PERMIT REQUIREMENTS. (4.1.3.).

5.21. SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE OR WELL VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT.

5.22. DISCHARGES FROM SEDIMENT BASINS AND IMPOUNDMENTS SHALL UTILIZE OUTLET STRUCTURES THAT ONLY WITHDRAW WATER FROM NEAR THE SURFACE OF THE BASIN OR IMPOUNDMENT. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE, WELL- VEGETATED AND/OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT. (5.5.3.5.).

5.23. THE DEWATERING OF WORK AREAS, TRENCHES, FOUNDATIONS, EXCAVATIONS, ETC. THAT HAVE COLLECTED STORMWATER, WATER FROM VEHICLE WASH AREAS, OR GROUNDWATER SHALL BE EITHER HELD IN SETTLING BASINS OR TREATED BY FILTRATION AND/OR CHEMICAL TREATMENT PRIOR TO ITS DISCHARGE. ALL CHEMICAL TREATMENTS MUST BE APPLIED PER SECTION 6 FLOCCULANTS.

5.24. WATER DISCHARGED FROM DEWATERING ACTIVITIES SHALL NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITHIN THE RECEIVING NATURAL RESOURCE. WATER MUST BE HELD WITHIN SETTLING BASINS UNTIL IT IS AT LEAST AS CLEAR AS THE RECEIVING WATERS.

5.25. DEWATERING STRUCTURES, SEDIMENT FILTER BAGS, SEDIMENT BASINS AND TRAPS SHALL NOT BE LOCATED CLOSER THAN 30 FEET (60 FEET DESIRABLE VEGETATIVE BUFFER) FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS (ETW) AND 15 FEET (30 FEET DESIRABLE VEGETATIVE BUFFER) FOR ALL OTHER FEATURES FROM THE TOP BANK OF A STREAM, WOTUS (EPHEMERAL), WETLAND OR OTHER NATURAL RESOURCE AND SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED.

5.26. STABILIZATION PRACTICES: PRE-CONSTRUCTION VEGETATIVE COVER WILL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 2 WEEKS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA WILL BE SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED (5.5.3.5.f).

5.27. STABILIZATION MEASURES WILL BE INITIATED AS SOON AS POSSIBLE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT STABILIZATION WILL BE COMPLETED WITHIN 2 WEEKS AFTER ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED IN THAT AREA. PERMANENT STABILIZATION WILL REPLACE TEMPORARY MEASURES AS SOON AS PRACTICABLE (5.5.3.4.).

5.28. PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER-RUN WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE

5.29. DELAYING THE PLANTING OF COVER VEGETATION UNTIL WINTER MONTHS OR DRY MONTHS SHOULD BE AVOIDED, IF POSSIBLE.

5.30. STEEP SLOPES SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 1 WEEK AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED. (5.5.3.4.).

6. FLOCCULANTS (3.5.3.1.b)

IS ADDITIONAL PHYSICAL OR CHEMICAL TREATMENT OF STORMWATER RUNOFF NECESSARY (5.5.3.5.)? ☐ YES ☒ NO

IF YES, THE FOLLOWING NOTES APPLY:

6.1. ENSURE THE FLOCCULANT EMULSIONS AND POWDERS ARE OF THE ANIONIC TYPE (5.5.3.5.). AND MEET THE FOLLOWING REQUIREMENTS:

6.1.1. MEETS THE EPA AND FDA ACRYLAMIDE MONOMER LIMITS OF EQUAL TO OR GREATER THAN 0.005% ACRYLAMIDE MONOMER.

6.1.2. HAS A DENSITY OF 10% TO 55% BY WEIGHT AND A MOLECULAR WEIGHT OF 16 TO 24 MG/MOLE (MILLIGRAM PER MOLE).

6.1.3. MIXTURE IS NON-COMBUSTIBLE.

6.1.4. CONTAINS ONLY MANUFACTURER'S RECOMMENDED ADDITIVES.

6.2. FLOCCULANT SHALL BE MIXED AND APPLIED IN ACCORDANCE WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) MATERIAL SAFETY DATA SHEET REQUIREMENTS AND THE MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIED USES CONFORMING TO ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS.

6.3. ALL VENDORS AND SUPPLIERS OF FLOCCULANT BLENDS SHALL PRESENT OR SUPPLY A WRITTEN TOXICITY REPORT WHICH VERIFIES ACCEPTABLE TOXICITY PARAMETERS WHICH MEET OR EXCEED THE EPS REQUIREMENTS FOR THE STATE AND FEDERAL WATER QUALITY STANDARDS. WHOLE EFFLUENT TESTING DOES NOT MEET THIS REQUIREMENT AS PRIMARY REACTIONS HAVE OCCURRED AND TOXIC POTENTIALS HAVE BEEN REDUCED. CATIONIC FORMS OF FLOCCULANTS ARE NOT ALLOWED UNDER THIS SECTION DUE TO HIGH LEVELS OF TOXICITY TO AQUATIC ORGANISMS. FLOCCULANT EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN WATERS DUE TO SURFACTANT TOXICITY. THE CONTRACTOR MUST SEEK THE APPROVAL OF THE EPSC DESIGN ENGINEER AND TDOT IF CHITOSAN IS PROPOSED FOR THIS PROJECT.

6.4. ALL VENDORS AND SUPPLIERS OF FLOCCULANT BLENDS SHALL SUPPLY WRITTEN "SITE SPECIFIC" TESTING RESULTS DEMONSTRATING A PERFORMANCE OF 95% OR GREATER REDUCTION OF NTU OR TSS FROM STORMWATER DISCHARGES.

6.5. EMULSION BATCHES SHALL BE MIXED FOLLOWING RECOMMENDATIONS OF THE TESTING LABORATORY THAT DETERMINES THE PROPER PRODUCT AND RATE TO MEET SITE REQUIREMENTS. APPLICATION METHODS SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA. EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN BUFFERS.

6.6. FLOCCULANT POWDER MAY BE APPLIED BY A HAND OR MECHANICAL SPREADER. MIXING OF THE FLOCCULANT POWDER WITH DRY SILICA SAND WILL AID IN SPREADING.

6.7. PREMIXING OF FLOCCULANT POWDER INTO FERTILIZER, SEED, OR OTHER SOIL AMENDMENTS IS ALLOWED WHEN SPECIFIED IN THE DESIGN PLAN. APPLICATION METHOD SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA.

6.8. FLOCCULANT LOGS OR BLOCKS SHALL BE APPLIED FOLLOWING SITE TESTING RESULTS TO ENSURE PROPER PLACEMENT AND PERFORMANCE AND SHALL MEET OR EXCEED STATE AND FEDERAL WATER QUALITY REQUIREMENTS.

6.9. DO NOT APPLY FLOCCULANTS DIRECTLY TO, OR WITHIN 60 FEET, OF ANY STREAMS, WETLANDS, OR OTHER NATURAL WATER RESOURCE LOCATED ON OR ADJACENT TO THE CONSTRUCTION SITE. DO NOT APPLY FLOCCULANTS DIRECTLY INTO WATERS CONTAINED WITHIN SEDIMENT PONDS OR TO SLOPES THAT PRODUCE RUNOFF DIRECTLY INTO A STREAM, WETLAND, OR OTHER NATURAL WATER RESOURCE. DO NOT APPLY FLOCCULANTS IMMEDIATELY AT A STORMWATER OUTFALL WHERE RUNOFF LEAVES THE PROJECT LIMITS.

7. UTILITY RELOCATION

ARE UTILITIES INCLUDED IN THE CONTRACT? ☐ YES ☒ NO

IF YES, THE FOLLOWING APPLY:

7.1. STORMWATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND TREATED PRIOR TO DISCHARGE.

7.2. SILT FENCE SHALL BE INSTALLED ON THE DOWNGRADIENT SIDE OF STOCKPILED SOIL. ANY TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING DRY CONDITIONS, REMOVED AND STABILIZED BY THE END OF THE WORK DAY.

7.3. UTILITY CROSSINGS IN ENVIRONMENTAL FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. ENVIRONMENTAL PERMITS APPLY TO UTILITIES IN THIS PROJECT. THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMITS.

7.4. IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR TO PROTECT EXPOSED EARTH FROM EROSION AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE EPSC MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFF-SITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME, SHALL EXPOSED EARTH RESULTING FROM THEIR

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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): Erosion Control Blanket

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

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☒ 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

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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

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CONST.	2025	71951-3510-04	S-7

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.

Scott Medlin Digitally signed by Scott Medlin
Date: 2023.12.06 16:56:37 -05'00'

AUTHORIZED TDOT PERSONNEL SIGNATURE (5.3.3.)

E. SCOTT MEDLIN
PRINTED NAME

TDOT MANAGER
TITLE

7 DEC 2023
DATE

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

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

AUTHORIZED CONTRACTOR PERSONNEL SIGNATURE (5.3.3.)

PRINTED NAME

TITLE

DATE

16. ENVIRONMENTAL PERMITS (1.5.2.)

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

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

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

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

OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	SEDIMENT TRAP OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
OUT-1		STA 101+40 LT (Baxter)	3.31	0.09	0.09	0.09	N/A	N/A	STR-3	
OUT-2		STA 108+50 LT (Baxter)	6.35	0.28	0.28	0.28	N/A	N/A	WWC-1	
OUT-3		STA 9+50 LT (Ditty)	1.87	1.96	1.96	1.96	N/A	N/A	STR-3	
OUT-4		STA 50+00 RT (Ditty Tie In)	5.53	1.22	1.22	1.22	N/A	N/A	STR-3	
OUT-5		STA 20+75 LT (Ditty)	3.22	2.41	2.41	2.41	N/A	N/A	WWC-2/EPH-1	
OUT-6		STA 22+60 LT (Ditty)	5.90	1.01	1.01	1.01	N/A	N/A	STR-2	
OUT-7		STA 25+90 LT (Ditty)	1.94	1.91	1.91	1.91	N/A	N/A	WWC-3/EPH-2	
OUT-8		STA 29+30 LT (Ditty)	2.96	0.93	0.93	0.93	N/A	N/A	STR-3	
OUT-9		STA 32+10 RT (Ditty)	3.95	0.49	0.49	0.49	N/A	N/A	STR-3	
OUT-10		STA 112+40 LT (Baxter)	5.60	1.06	1.06	1.06	N/A	N/A	STR-3	
OUT-11		STA 112+30 RT (Baxter)	7.23	1.11	1.11	1.11	N/A	N/A	STR-3	
OUT-12		STA 113+20 RT (Baxter)	0.84	0.29	0.29	0.29	N/A	N/A	STR-3	
OUT-13		STA 114+00 LT (Baxter)	1.67	1.47	1.47	1.47	N/A	N/A	STR-3	

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	71951-3510-04	U1-1
		128970.00	

Index Of Sheets	
SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITIES OWNERS, GENERAL NOTES AND UTILITY SHEETS	U1-1 TO U1-7*

*NOTE: SHEETS U1-2, U1-3 NOT USED

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

PUTNAM COUNTY

STATE INDUSTRIAL ACCESS SERVING PROJECT SIM
(PORTOBELLO AMERICA, INC)

SPECIAL NOTES

RELOCATIONS ARE APPROXIMATE

MTNG WILL RELOCATE CONCURRENTLY WITH PROJECT

UTILITY OWNERS AND CONTACTS:

SEWER: NO COST
WATER: NO COST

CITY OF BAXTER
PO BOX 283
BEXTER, TN 38544

MR. JOHN RAMSEY
JRAMSEY1101@GMAIL.COM
(931) 858-4142

CATV: NO COST

CHARTER COMMUNICATIONS
851 SOUTH WILLOW AVE.
COOKEVILLE, TN 38501

MR. MORGAN WILCHER
MORGAN.WILCHER@CHARTER.COM
(931) 239-9222

GAS: NO COST

MIDDLE TN NATURAL GAS
PO BOX 670
SMITHVILLE, TN 37166

MR. MATT STENNETT
MSTENNETT@MTNG.COM
(931) 754-3515

COMMUNICATIONS: NO COST

TWIN LAKES
PO BOX 67
GAINSBORO, TN 38562

MR. JAMES DOBBS
JDOBBS@TWINLAKES.NET
(931) 268-2151

ELECTRIC: NO COST

UPPER CUMBERLAND ELECTRIC MEMBERSHIP CORP.
PO BOX 159
CARTHAGE, TN 37030

MR. WAYNE ANDERSON
WANDERSON@UCEMC.COM
(615) 281-8810

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY REFERENCE

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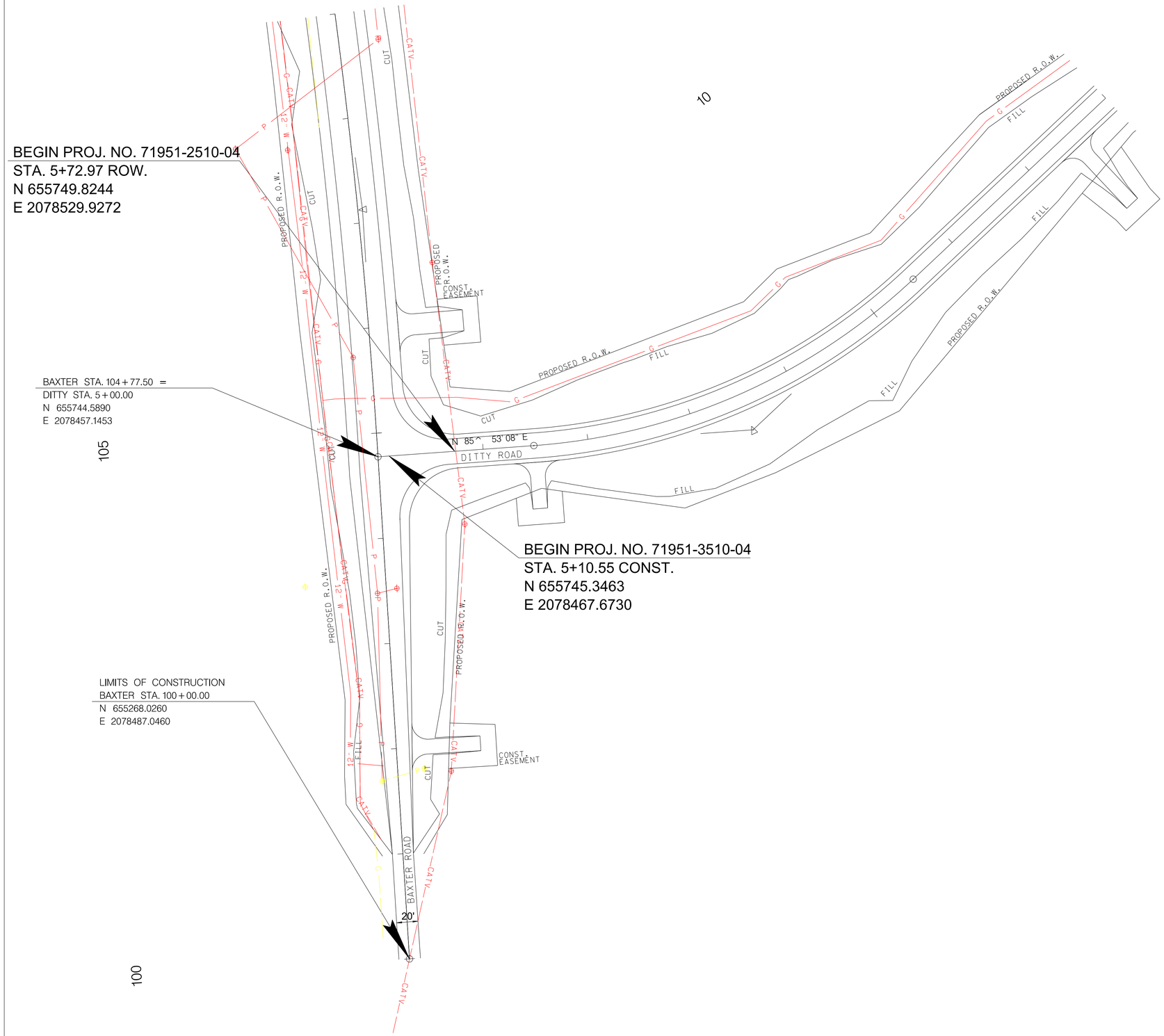
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	71951-3510-04	U1-4



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COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00008 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 12B.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

STA. 5+00 TO STA. 13+00
SCALE: 1"= 50'

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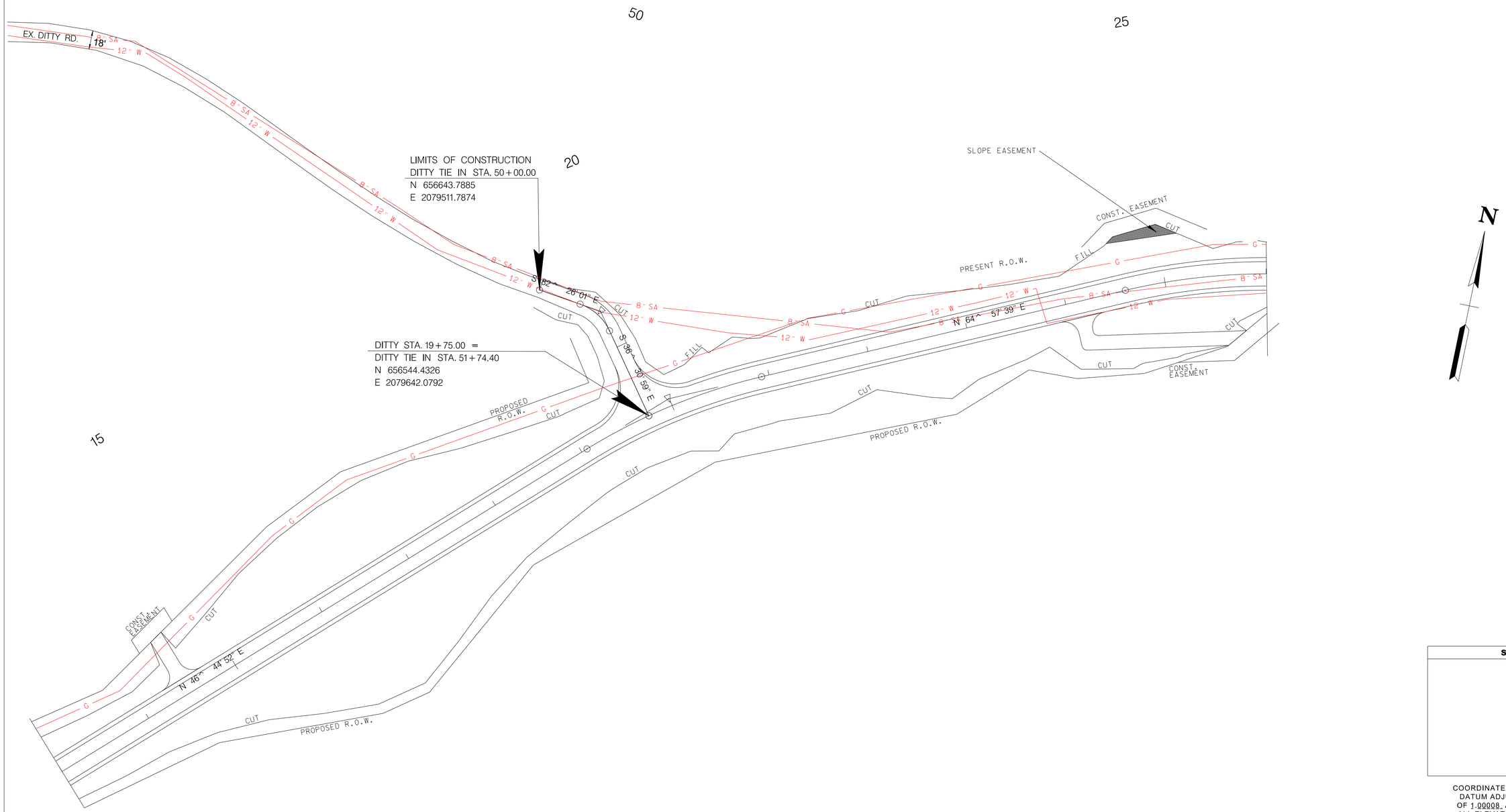
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	71951-3510-04	U1-5



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

STA. 13+00 TO STA. 26+50
SCALE: 1"= 50'

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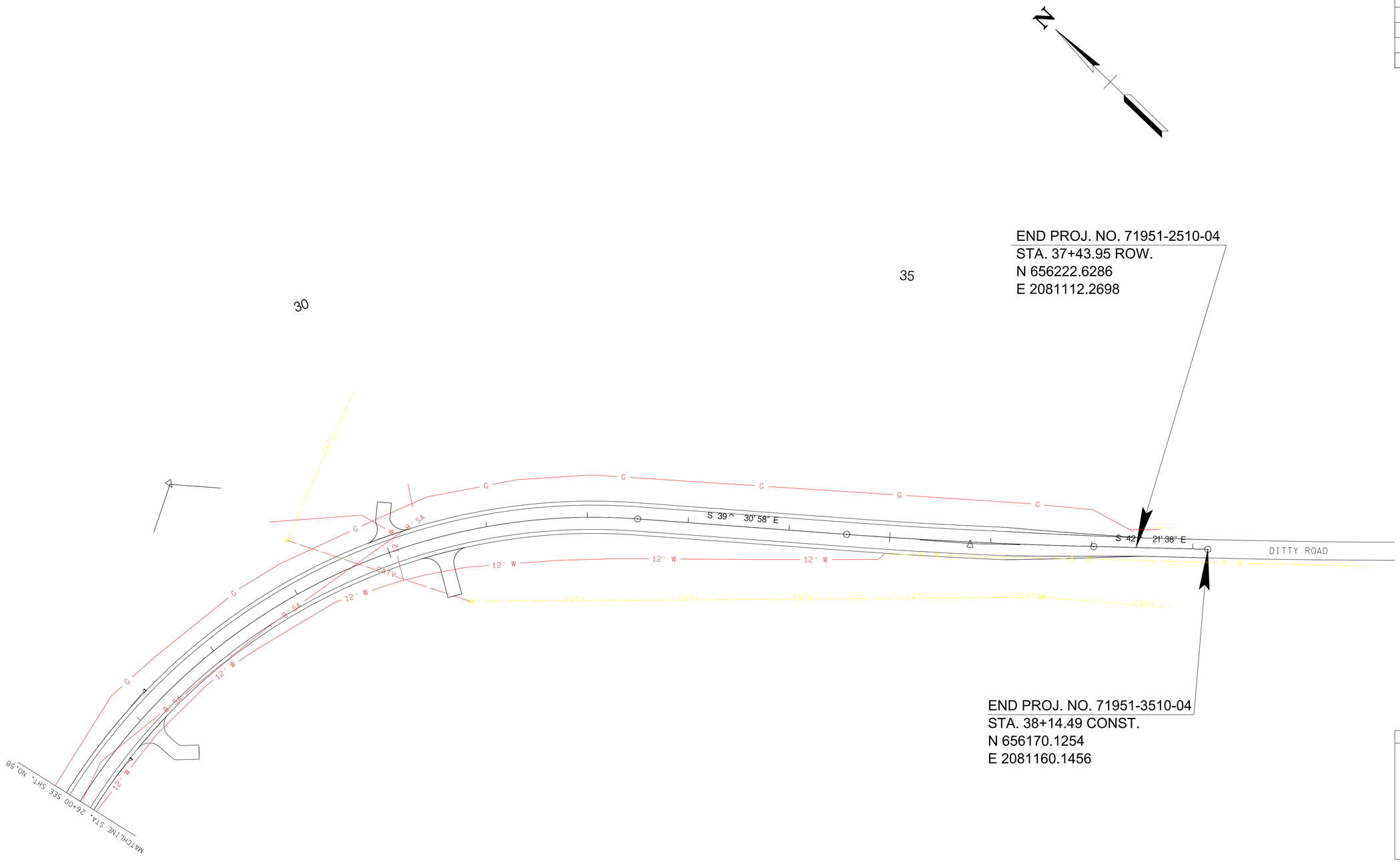
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	71951-3510-04	U1-6



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

STA. 26+50 TO STA. 38+14.49
SCALE: 1"= 50'

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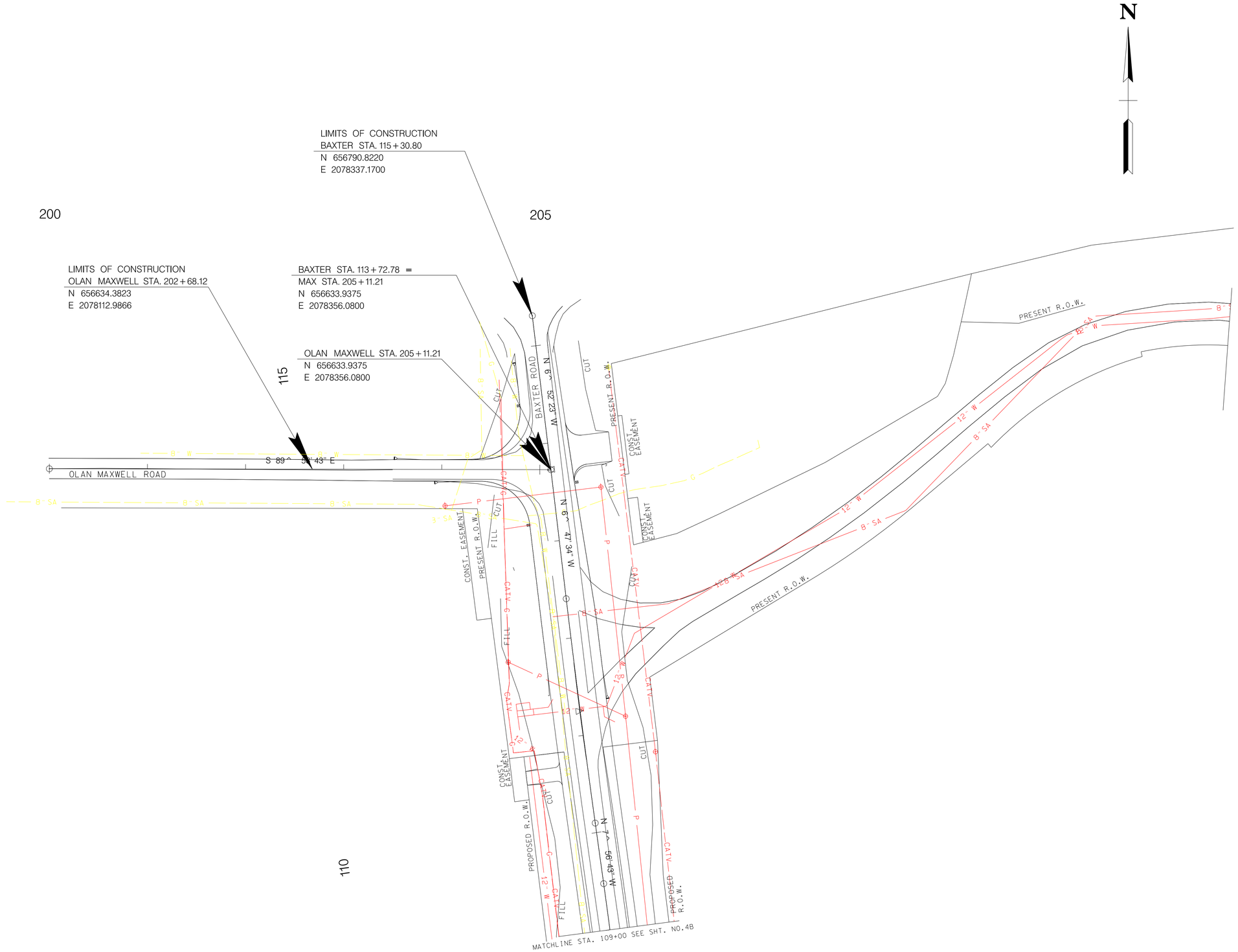
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	71951-3510-04	U1-7



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY PLANS

BAXTER RD
STA.109+00 TO STA.115+30.80
SCALE: 1"= 50'

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