05/29/2026

THIS DOCUMENT HAS BEGUN DIGITALLY SIGNED AND SEALED BY:
Teck Tang
Digitally signed by Teck Tang
Date: 2026.05.28 08:21:17 -05'00'

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

OHM ADVISORS
1760 MORIAH WOODS BLVD., SUITE 1
MEMPHIS, TN 38117
TECK TANG, P.E. NO. 101187

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-SIGN3
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
PROPERTY MAP	3B
DRANAGE MAP	12
TRAFFIC CONTROL PLANS	T3A, T4A, T5A, T6A

YEAR	PROJECT NO.	SHEET NO.
2026	48ACOU-S3-002	ROADWAY-SIGN3

REV. 05-29-26: ADDED ROADWAY-SIGN3.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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03/31/2026

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:
Teck Tang
Digitally signed by Teck Tang
Date: 2026.03.31 09:08:16 -05'00'

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OHM ADVISORS
1760 MORIAH WOODS BLVD., SUITE 1
MEMPHIS, TN 38117
TECK TANG, P.E. NO. 101187

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
TRAFFIC PHASING LEGEND AND TRAFFIC TABULATION	T2

YEAR	PROJECT NO.	SHEET NO.
2026	48ACOU-S3-002	ROADWAY-SIGN2

REV. 03-31-26: ADDED ROADWAY-SIGN2.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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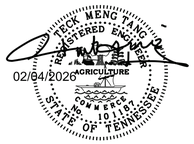

02/04/2026

THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:
Teck Tang
Digitally signed by Teck Tang
Date: 2026.02.13 08:43:53 -06'00'

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OHM ADVISORS
1760 MORIAH WOODS BLVD., SUITE 1
MEMPHIS, TN 38117
TECK TANG, P.E. NO. 101187

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

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD TRAFFIC DESIGN DRAWINGS	1A1
ESTIMATED ROADWAY QUANTITIES	2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B, 2B1
GENERAL NOTES	2C, 2C1
SPECIAL NOTES	2D
ENVIRONMENTAL NOTES	2E
TABULATED QUANTITIES	2F. 2F1
RIGHT-OF-WAY NOTES, UTILITY NOTES, UTILITY OWNERS & RIGHT-OF-WAY ACQUISITION TABLE(S)	3
PROPERTY MAP(S)	3A – 3B
PRESENT LAYOUT(S)	4-8
RIGHT-OF-WAY DETAILS	4A-8A
PROPOSED LAYOUT(S)	4B-8B
PROPOSED PROFILE(S)	4C-8C
SIDE ROADS PROFILE(S)	9
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILE(S)	10, 10A
DRAINAGE MAP(S)	11-12
CULVERT SECTION(S)	13, 13A
EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) NOTES	14
EROSION PREVENTION AND SEDIMENT CONTROL (EPSC), LEGEND, & TABULATION	14A
EROSION PREVENTION & SEDIMENT CONTROL PLANS (STAGE I)	14B-14D
EROSION PREVENTION & SEDIMENT CONTROL PLANS (STAGE II)	15-15B
EROSION PREVENTION & SEDIMENT CONTROL PLANS (STAGE III)	16-16B
EROSION PREVENTION & SEDIMENT CONTROL PLANS (STAGE IV)	17-17B
SIGNING AND PAVEMENT MARKING PLAN(S)	18-22
SIGN SCHEDULE	23
ROADWAY CROSS SECTIONS	24-59
SIDE ROAD CROSS SECTIONS	60
PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES	T1
TRAFFIC PHASING LEGEND AND TRAFFIC TABULATION	T2
TRAFFIC PHASING NOTES	T2A-T2B
TRAFFIC CONTROL PLANS	T3-T6B

YEAR	PROJECT NO.	SHEET NO.
2026	48ACOU-S3-002	ROADWAY-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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Index Of Sheets

SEE SHEET 1A FOR INDEX

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

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

TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	N/A	
STATE PROJ. NO.	48ACOU-S3-002	

LAKE COUNTY

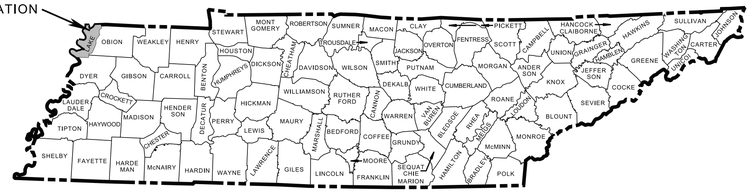
CATES LANDING ROAD
STATE INDUSTRIAL ACCESS
SERVING PROJECT SONIC

P.S. & E.

GRADE, DRAIN, PAVE, PAVEMENT MARKING

STATE HIGHWAY NO. 22 F.A.H.S. NO. N/A

PROJECT LOCATION



END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

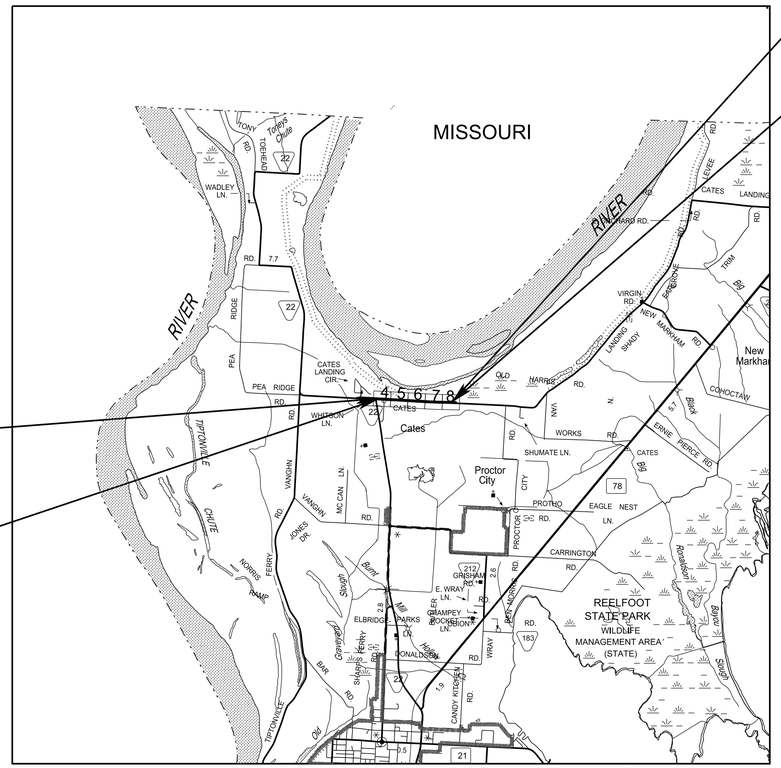
ROAD TO BE CONSTRUCTED WHILE UNDER TRAFFIC

NO EXCLUSIONS

BUNDLED WITH PIN 132172.00

BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
TIE TO ADJOINING PROJECT NO. 48S022-S3-002
STA. 112+80.00
N 786392.3579
E 945185.0651

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
TIE TO ADJOINING PROJECT NO. 48S022-S2-002
STA. 114+07.73
N 786385.5902
E 945312.6157



SCALE: 1"= 5280'

R.O.W. LENGTH	0.957 MILES
ROADWAY LENGTH	0.950 MILES
BRIDGE LENGTH	0.000 MILES ▲
BOX BRIDGE LENGTH	0.000 MILES ▲
BOX BRIDGE LENGTH	0.000 MILES ▲
PROJECT LENGTH	0.950 MILES

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

SEALED BY

TECK MENG TANG
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
10118
STATE OF TENNESSEE
02/04/2026

APPROVED:
SHANE HESTER, CHIEF ENGINEER

DATE:

APPROVED:
WILL REID, COMMISSIONER

SURVEY 10-04-2022	TRAFFIC DATA	
04-11-2023 UPDATED	ADT (2024)	620
07-10-2023 UPDATED	ADT (2044)	650
10-20-2023 UPDATED	DHV (2044)	98
12-19-2023 UPDATED	D	60-40
05-28-2024 UPDATED	T (ADT)	11 %
12-03-2024 UPDATED	T (DHV)	7 %
01-27-2025 UPDATED	V	60 MPH
10-23-2025 UPDATED		

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

SPECIAL NOTES

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

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

TDOT C.E. MANAGER 1: RYAN PHILPOTT, P.E.
DESIGNED BY : OHM ADVISORS
DESIGNER : HAK LIM CHECKED BY TECK TANG, P.E.
P.E. NO. 48ACOU-S1-002 (PE-D)
PIN NO. 128977.00

5/27/2026 10:59:24 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	48ACOU-S3-002	1A
P.S.&E.	2026	48ACOU-S3-002	1A

REV. 03-31-26: ADDED ROADWAY-SIGN2.
REV. 05-29-26: ADDED ROADWAY-SIGN3.

ROADWAY INDEX

SIGNATURE SHEETS..... ROADWAY-SIGN1, ROADWAY-SIGN2, ROADWAY-SIGN3

TITLE SHEET 1

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS.....1A

STANDARD TRAFFIC DESIGN DRAWINGS 1A1

ESTIMATED ROADWAY QUANTITIES.....2

TYPICAL SECTIONS AND PAVEMENT SCHEDULE.....2B, 2B1

GENERAL NOTES 2C, 2C1

SPECIAL NOTES 2D

ENVIRONMENTAL NOTES.....2E

TABULATED QUANTITIES.....2F. 2F1

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

RIGHT-OF-WAY ACQUISITION TABLE(S) 3

PROPERTY MAP(S).....3A – 3B

PRESENT LAYOUT(S).....4-8

RIGHT-OF-WAY DETAILS 4A-8A

PROPOSED LAYOUT(S).....4B-8B

PROPOSED PROFILE(S).....4C-8C

SIDE ROADS PROFILE(S) ①.....9

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILE(S).....10, 10A

DRAINAGE MAP(S).....11-12

CULVERT SECTION(S).....13, 13A

EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) NOTES 14

EROSION PREVENTION AND SEDIMENT CONTROL (EPSC), LEGEND,

& TABULATION.....14A

EROSION PREVENTION & SEDIMENT CONTROL PLANS (STAGE I) 14B-14D

EROSION PREVENTION & SEDIMENT CONTROL PLANS (STAGE II) 15-15B

EROSION PREVENTION & SEDIMENT CONTROL PLANS (STAGE III) 16-16B

EROSION PREVENTION & SEDIMENT CONTROL PLANS (STAGE IV) 17-17B

SIGNING AND PAVEMENT MARKING PLAN(S) 18-22

SIGN SCHEDULE 23

ROADWAY CROSS SECTIONS.....24-59

SIDE ROAD CROSS SECTIONS 60

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES T1

TRAFFIC PHASING LEGEND AND TRAFFIC TABULATION T2

TRAFFIC PHASING NOTES T2A-T2B

TRAFFIC CONTROL PLANS T3-T6B

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.

STANDARD ROADWAY DRAWINGS

NOTE: THIS PROJECT DOES NOT HAVE ANY PROJECT COMMITMENTS

DWG.	REV.	DESCRIPTION
10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-TP-1	09-16-16	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	01-30-26	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
10-101.00 STANDARDS ROADWAY DRAWINGS		
RD18-TS-2A	01-30-26	RURAL LOCAL ROADS AND STREETS
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
RD11-SD-7		INTERSECTION SIGHT DISTANCE FOR PASSIVE RAILROAD HIGHWAY GRADE CROSSINGS
D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PO-1	06-28-19	STANDARD OVAL AND REINFORCED CONCRETE ARCH PIPE CULVERT
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-99	03-04-21	TYPE "U" CROSS DRAIN ENDWALL DETAILS, PIPE GRATE & SKEWED CONNECTION
D-SEW-1A	01-30-26	TYPE "SAFETY" SIDE ENDWALL WITH STEEL PIPE GRATE, FOR 15" THRU 48" PIPES, 6:1 SLOPE
D-PE-4	06-28-19	STRAIGHT CONCRETE ENDWALLS (PIPE SIZES 18" TO 30")
D-PE-5	06-28-19	STRAIGHT CONCRETE ENDWALLS FOR HORIZONTAL OVAL CONCRETE PIPES (ALL SIZES AND SKEWS)
D-PEW-1		PROTECTED ENDWALLS FOR ROUND & OVAL PIPES (PIPE SIZES 18” TO 72”, ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-2		PROTECTED ENDWALLS FOR ROUND PIPES DETAILS & QUANTITIES (PIPE SIZES 18” TO 72”, ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-3		PROTECTED ENDWALLS FOR OVAL PIPES DETAILS & QUANTITIES (EQU. PIPE SIZES 18” TO 72”, ALL SKEWS, 2:1 & 3:1 SLOPES)
D-PEW-4		PROTECTED STRAIGHT ENDWALLS (PIPE SIZES 18” TO 30” & EQU. OVAL PIPES)
D-PEW-5		RIP-RAP END TREATMENT FOR CORRUGATED METAL PIPE, OVAL AND PIPE ARCH CULVERTS WITH BEVELED ENDS (PIPE SIZES 42” & LARGER)
10-105.00 ROADWAY, PAVEMENT APPURTENANCES, AND FENCES		
RP-J-1	05-01-20	PORTLAND CEMENT CONCRETE JOINT TYPES AND SPACING
RP-D-15	04-01-25	DETAILS OF STANDARD CONCRETE DRIVEWAYS
RP-R-1	04-21-25	STANDARD RAMP DETAILS FOR ROADWAYS AND DRIVEWAYS
S-F-1	03-01-23	HIGH VISIBILITY FENCE
10-107.00 SAFETY DESIGN AND GUARDRAILS		
S-CZ-1	06-28-19	CLEAR ZONE CRITERIA
10-108.00 EROSION PREVENTION AND SEDIMENT CONTROL		
EC-STR-3B	06-15-21	SILT FENCE
EC-STR-3C	03-01-23	SILT FENCE WITH WIRE BACKING
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-8	06-10-14	FILTER SOCK
EC-STR-6	11-30-20	ROCK CHECK DAM
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-11	03-16-17	CULVERT PROTECTION TYPE 1
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD

SEALED BY

TECK MENG TANG
REGISTERED ENGINEER
No. 101861
AGRICULTURE
02/04/2026
COMMERCE
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX
AND
STANDARD
ROADWAY DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.S.&E.	2026	48ACOU-S3-002	1A1

STANDARD TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION
10-200.00		**SIGN**
T-S-9	07-30-25	STANDARD LAYOUT - GROUND MOUNTED SIGNS
T-S-10	07-30-25	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS, ALUMINUM-STEEL DESIGN
T-S-11	07-30-25	DELINEATOR AND MILEPOST DETAILS
T-S-12	07-30-25	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, SQUARE TUBES
T-S-16	07-30-25	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-16A	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-19	07-30-25	STANDARD STEEL SIGN SUPPORTS
T-S-20	07-30-25	SIGN DETAILS
10-203.00		**RAILROAD CROSSING**
T-RR-1	12-05-25	CROSSBUCK ASSEMBLY FOR PASSIVE RAILROAD CROSSINGS
T-RR-2	12-05-25	GRADE CROSSING WARNING SIGNS AND PAVEMENT MARKINGS
T-RR-2A	12-05-25	GRADE CROSSING ADVANCE WARNING SIGNS AND RR PAVEMENT MARKINGS
10-204.00		**DESIGN - TRAFFIC CONTROL**
T-M-1	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	01-24-25	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	01-24-25	MARKING STANDARDS FOR TRAFFIC ISLANDS, PAVED SHOULDERS AND MEDIANS FOR CONVENTIONAL ROADS
T-M-4	01-24-25	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-18	01-24-25	FLEXIBLE DELINEATOR DETAILS
T-M-18A	01-24-25	DELINEATOR MOUNTING DETAILS
T-WZ-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD
T-WZ-PBR2	03-26-25	DETAILS FOR WORK ZONE CHANNELIZATION DEVICES

SEALED BY

02/04/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD TRAFFIC DESIGN DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	48ACOU-S3-002	2
P.S.&E.	2026	48ACOU-S3-002	2

REV. 03-31-26: CORRECTED UNIT TO L.M. & REVISED QUANTITY FOR PAY ITEM 716-05.20.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 48ACOU-S3-002
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	0.8
	201-01	CLEARING AND GRUBBING	LS	0.8
3-	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
19-	202-01.56	REMOVAL OF STRUCTURES AND OBSTRUCTIONS (TEMPORARY RUN-AROUND)	LS	0.8
	202-04.01	REMOVAL OF STRUCTURES (PORT OF CATES SIGN W/ LIGHTS, STA.119+50)	LS	1
2,4,11,12-	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	6473
	203-06	WATER	M.G.	100
11-	203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	2181
2-	209-03.21	FILTER SOCK (12 INCH)	L.F.	7310
2-	209-05	SEDIMENT REMOVAL	C.Y.	183
2-	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	330
2-	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	8010
2-	209-08.07	ROCK CHECK DAM	EACH	20
2-	209-08.08	ENHANCED ROCK CHECK DAM	EACH	5
	209-09.01	SANDBAGS	EACH	100
	209-20.04	POLYETHYLENE SHEETING (10MIL.)	S.Y.	800
11-	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	18815
13-	303-02	MINERAL AGGREGATE, TYPE B BASE, GRADING D	TON	100
2-	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	182
11-	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	2304
11-	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	2125
11-	313-03	TREATED PERMEABLE BASE	S.Y.	505
11-	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	27
5,11-	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	94
11-	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	16
8-	407-20.05	SAW CUTTING ASPHALT PAVEMENT	L.F.	380
11-	411-02.10	ACS MIX (PG70-22) GRADING "D"	TON	1186
	415-01.02	COLD PLANING OF BITUMINOUS PAVEMENT	S.Y.	175
	501-01.01	PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN) 8"	S.Y.	505
9-	502-04.01	SAWING CONCRETE PAVEMENT (FULL DEPTH)	L.F.	690
13-	502-04.02	LOAD TRANSFER DOWELS	EA.	301
13-	502-04.03	TRANSVERSE TIE-BARS	EA.	100
1-	607-03.10	18" CONCRETE PIPE CULVERT (CLASS IV) TRENCHLESS	L.F.	129
1-	607-03.11	18" CONCRETE PIPE CULVERT (CLASS V) TRENCHLESS	L.F.	96
1-	607-39.02	18" PIPE CULVERT (SIDE DRAIN)	L.F.	116
1-	607-39.03	24" PIPE CULVERT (SIDE DRAIN)	L.F.	92
1-	607-57.01	REINFORCED CONCRETE PIPE ARCH (22" X 13")	L.F.	120
1-	607-57.02	REINFORCED CONCRETE PIPE ARCH (29" X 18")	L.F.	72
18-	611-07.01	CLASS "A" CONCRETE (PIPE ENDWALLS)	C.Y.	10.84
13-	611-07.02	STEEL BAR REINFORCING (PIPE ENDWALLS)	L.B.	930
	611-07.31	18IN ENDWALL (SIDE DRAIN)	EACH	8
	611-07.32	24IN ENDWALL (SIDE DRAIN)	EACH	18
	611-07.55	18IN ENDWALL (CROSS DRAIN) 4:1	EACH	2
15-	621-03.01	15" TEMPORARY DRAINAGE PIPE	L.F.	16
15-	621-03.02	18" TEMPORARY DRAINAGE PIPE	L.F.	120
	707-08.11	HIGH VISIBILITY CONSTRUCTION FENCE	L.F.	505
2-	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	300
2-	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	1605
	712-01	TRAFFIC CONTROL	LS	0.8
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	537
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	25
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	67
	712-06	SIGNS (CONSTRUCTION)	S.F.	102
13-	712-08.03	ARROW BOARD (TYPE C)	EACH	1
14,17-	712-09.02	REMOVABLE PAVEMENT MARKING (8" BARRIER LINE)	L.F.	15060
14,17-	712-09.08	REMOVABLE PAVEMENT MARKING (6" LINE)	L.F.	10040

FOOTNOTES

(1) THE BEDDING MATERIAL SHALL BE INCLUDED IN THE COST OF THE PROPOSED PIPES.

(2) SEE SUB-SECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT. ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.

(3) REMOVAL OF EXISTING CROSS DRAINS & DRIVEWAYS PIPES

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 48ACOU-S3-002
	713-11.01	"U" SECTION STEEL POSTS	LB.	565
	713-02.16	FLEXIBLE TYPE II, OBJECT MARKER	EACH	67
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	38
	713-15.02	REMOVAL & RELOCATION OF SIGN & SUPPORT	EACH	4
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2
10-	716-02.04	PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	7
10-	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	110
10-	716-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	EACH	2
10-	716-03.03	PLASTIC WORD PAVEMENT MARKING (STOP AHEAD)	EACH	1
10-	716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	45
10-	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	2.85
14, 21-	716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	10040
14, 21-	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	1.9
10-	716-05.49	PAINTED PAVEMENT MARKING (8" LINE)	L.M.	0.02
	717-01	MOBILIZATION	L.S.	0.8
2-	740-10.03	GEOTEXTILE (TYPE III)	S.Y.	3553
6-	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	150
16-	801-03	WATER (SEEDING & SODDING)	M.G.	176
6-	801-07	SEED (SUPPLEMENTAL APPLICATION)	L.B.	11
7-	801-08	FERTILIZER (SUPPLEMENTAL APPLICATION)	TON	1
20-	803-01	SODDING (NEW SOD)	S.Y.	15908

FOOTNOTES

(4) INCLUDES 43 C.Y. FOR TEMPORARY CONSTRUCTION EXITS.

(5) ITEMS TO BE USED AS DIRECTED BY THE ENGINEER.

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

(7) THE COST OF ANY NECESSARY LIME TO BE USED IN CONJUCTION WITH SUPPLEMENTAL FERTILIZERS IS TO BE INCLUDED IN THE COST OF THE SUPPLEMENTAL FERTILIZER. SEE SECTION 801 OF TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

(8) TO BE USED AT TIE-IN TO EXISTING ROADWAYS AND DRIVEWAYS.

(9) TO BE USED AT TIE-IN TO EXISTING PORT TERMINAL ACCESS ROAD.

(10) TO BE USED AS FINAL PAVEMENT MARKINGS.

(11) SEE SHEET 2F OR 2F1 FOR FURTHER DETAILS

(12) SEE GRADING SPECIAL NOTES ON SHEET 2D

(13) TO BE USED AS DIRECTED BY THE ENGINEER

(14) TO BE USED DURING TRAFFIC CONTROL

(15) USED TO EXTEND EXISTING DRAINAGE STRUCTURES DURING EPSC AND/OR TRAFFIC CONTROL THE COST TO CONNECT TO EXISTING PIPES TO BE INCLUDED IN THIS ITEM NUMBER

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

(17) TO BE USED FOR TEMPORARY PAVEMENT MARKING ON NEW ASPHALT AND/OR DIRECTED BY THE ENGINEER

(18) TO BE USED FOR THE TWIN 18" PIPES ENDWALLS. REFER TO SHEET 7B & 13A.

(19) REMOVAL OF TEMPORARY RUN-AROUND 5730 TONS OF 303-01

(20) INCLUDES 10322 S.Y. FOR SPECIAL DITCHES

(21) TO BE USED FOR TEMPORARY PAVEMENT MARKING ON EXISTING ASPHALT AND/OR DIRECTED BY THE ENGINEER

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ESTIMATED ROADWAY QUANTITIES

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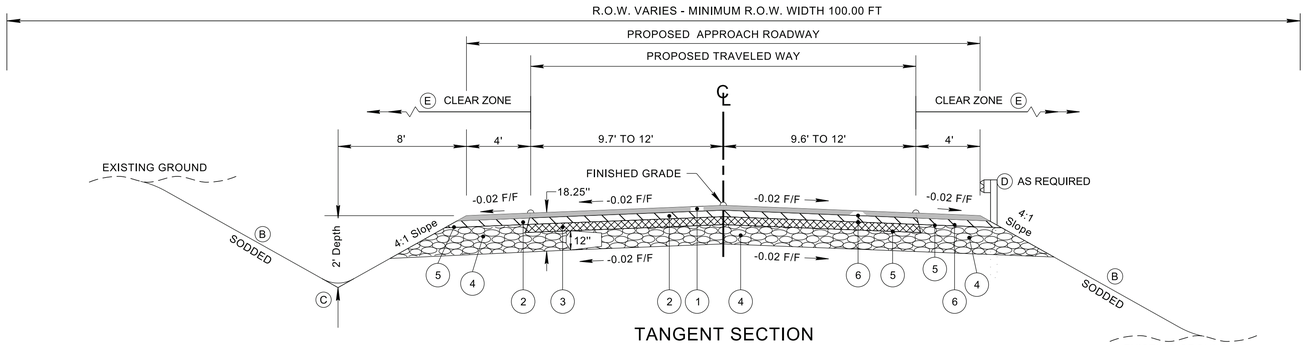
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	2B
P.I.H.	2025	48ACOU-S3-002	2B
P.S.&E.	2026	48ACOU-S3-002	2B

REV. 08-11-25: REVISED SPECIAL DITCH TYP.
STA. 138+00 LT. TO 154+50 LT.
ADDED SPECIAL DITCH LEFT STA. 151+78.04 TO STA. 155+12.33



TANGENT SECTION
CATES LANDING RD.

(BASED ON STD. DWG. RD18-TS-2A & SIA TYPICAL)
FROM STA. 112+80.00 TO STA. 163+00.00

PAVEMENT TRANSITION:-
STA. 160+80.00 LT. TO STA. 163+00.00 LT.
STA. 160+80.00 RT. TO STA. 163+00.00 RT.

SLOPE EXCEPTION

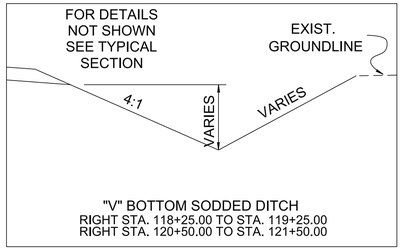
FROM STA. 118+25.00 TO STA. 119+25.00 (RT) 2:1 BACKSLOPE

(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.

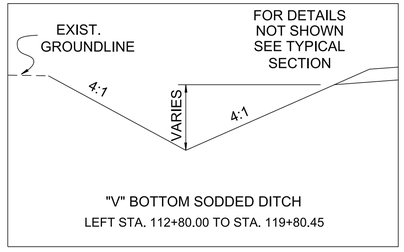
(C) SEE STANDARD DRAWING RD11-S-11A FOR ROUNDING OF ROADSIDE DITCH SLOPES.

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

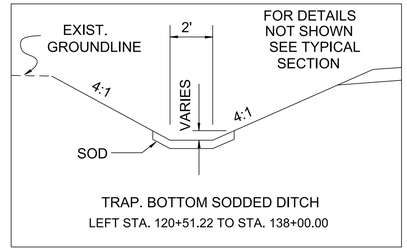
(E) SEE STANDARD DRAWING S-CZ-1 FOR CLEAR ZONE CRITERIA. SEE THE "ROADSIDE DESIGN GUIDE", AASHTO, 2011, FOR FURTHER INFORMATION REGARDING CLEAR ZONES.



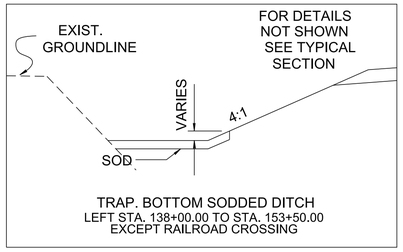
"V" BOTTOM SODDED DITCH
RIGHT STA. 118+25.00 TO STA. 119+25.00
RIGHT STA. 120+50.00 TO STA. 121+50.00



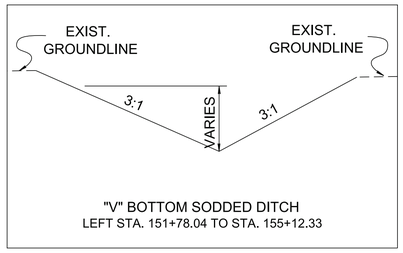
"V" BOTTOM SODDED DITCH
LEFT STA. 112+80.00 TO STA. 119+80.45



TRAP. BOTTOM SODDED DITCH
LEFT STA. 120+51.22 TO STA. 138+00.00



TRAP. BOTTOM SODDED DITCH
LEFT STA. 138+00.00 TO STA. 153+50.00
EXCEPT RAILROAD CROSSING



"V" BOTTOM SODDED DITCH
LEFT STA. 151+78.04 TO STA. 155+12.33

PROPOSED PAVEMENT SCHEDULE

(1) ASPHALTIC CONCRETE SURFACE (HOT MIX) PG70-22 GRADING "D" SURFACE @ 1.25" THICK (APPROX. 132.5 LB./S.Y.) 411-02.10 ACS MIX (PG70-22) GRADING "D"	**(5) PRIME COAT** 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) RATE = 0.30 - 0.35 GALLONS/S.Y. 402-02 AGGREGATE FOR COVER MATERIAL (PC) RATE = 8-12 LB./S.Y.
(2) BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22 GRADING "B-M2" @ 2.00" THICK (APPROX. 226 LB./S.Y.) 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "B-M2"	**(6) TACK COAT** ***SEE 403.05 FOR DETERMINING APPLICATION RATE IN THE FIELD. 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC)
(3) BITUMINOUS PLANT MIX BASE (HOT MIX) PG70-22 GRADING "A" @ 3.00" THICK (APPROX. 345 LB./S.Y.) 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A"	**(7) PORTLAND CEMENT CONCRETE PAVEMENT 8" THICK** 501-01.01 PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN) 8"
(4) MINERAL AGGREGATE 12.00" THICK (15.00" THICK FOR SHOULDERS) 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"	**(8) MINERAL AGGREGATE 8.00" THICK** 303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING "D"

(9) TREATED PERMEABLE BASE 4" THICK
313-03 TREATED PERMEABLE BASE 4"

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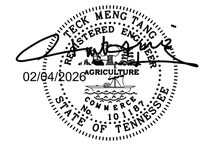

NOT TO SCALE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

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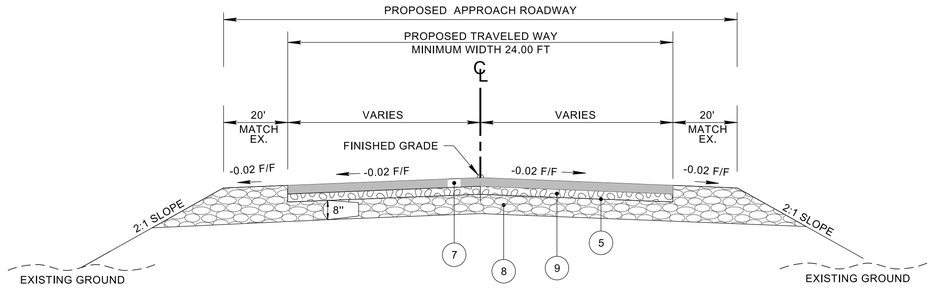
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	2B1
P.I.H.	2025	48ACOU-S3-002	2B1
P.S.&E.	2026	48ACOU-S3-002	2B1



TANGENT SECTION
PORT TERMINAL ACCESS RD.

(BASED ON EXISTING TYPICAL)
FROM STA. 50+38.00 TO STA. 51+38.00

SHOULDER TERMINATION

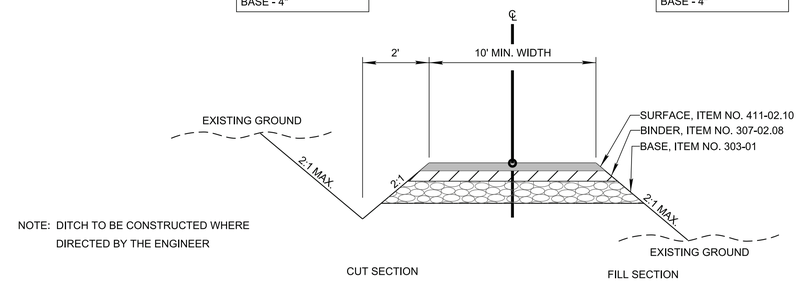
STOP AT STA. 51+34.00 CATES LANDING SHOULDER

BUSINESS

SURFACE - 1¼"
BINDER - 1¾"
BASE - 4"

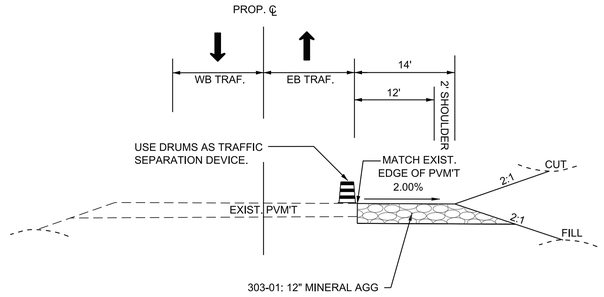
FIELD OR RESIDENTIAL

SURFACE - 1½"
BINDER - NONE
BASE - 4"



TYPICAL SECTION

PRIVATE DRIVE TO BUSINESS,
FIELD, OR RESIDENTIAL PROPERTY



PHASE 1 CONSTRUCTION
(WITH TEMPORARY RUN-AROUND SECTION)
(NTS)

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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.

(2) CERTIFICATION FOR ALL BORROW PITS MUST BE OBTAINED IN ACCORDANCE WITH SUBSECTION 107.06 OF THE STANDARD SPECIFICATIONS.

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

SEEDING AND SODDING

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

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

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, CONDUITS, ALL OTHER CULVERTS AND MINOR STRUCTURES WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PIPE

(4) THE CUTTING OF INLET AND OUTLET DITCHES WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER WILL BE MEASURED AND PAID FOR AS ITEM NO. 203-01 ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED).

(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.

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. 712-09.08, REMOVABLE PAVEMENT MARKING (6" LINE), L.F.

(3) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 712-09.02, REMOVABLE PAVEMENT MARKING (8"BARRIER LINE), L.F.

FINAL PAVEMENT MARKING

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

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

(13) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 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. 716-05.01, PAINTED PAVEMENT MARKING (4IN LINE), L.M.

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(16) THE PAVEMENT MARKING ON THE LANE SHIFT FOR CENTERLINE, EDGELINES, AND LANE LINES WILL BE INSTALLED AND MAINTAINED TO THE SAME STANDARDS AS FOR PERMANENT MARKINGS ON THE MAIN ROADWAY. THESE MARKINGS SHALL BE IN PLACE PRIOR TO ALLOWING TRAFFIC ONTO THE PAVEMENT. THESE PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01 L.M.

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

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.

PAVING

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

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

SIGNING

(1) 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. THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL EXTRUDED PANEL SIGNS SHALL BE DIRECT APPLIED OR DEMOUNTABLE. ALL EXTRUDED PANEL SIGNS SHALL BE ATTACHED TO THE SIGN FACE, AS OUTLINED IN THE STANDARD SPECIFICATIONS. ALL SHIELDS ON GUIDE SIGNS SHALL BE DIRECT APPLIED OR DEMOUNTABLE AND ATTACHED TO THE SIGN FACE AS OUTLINED IN THE STANDARD SPECIFICATIONS.

(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 DESIGN DIVISION, SIGNING SECTION, TELEPHONE NO. (615)-741-0802. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ORDERING MATERIAL.

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

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

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

(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 REGIONAL TRAFFIC ENGINEER PRIOR TO MOVING ANY PERMANENT SIGNS.

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

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 THEALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	48ACOU-S3-002	2C
P.S.&E.	2026	48ACOU-S3-002	2C

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GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	48ACOU-S3-002	2C1
P.S.&E.	2026	48ACOU-S3-002	2C1

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

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

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

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

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GENERAL NOTES

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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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	48ACOU-S3-002	2D
P.S.&E.	2026	48ACOU-S3-002	2D

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SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	2E
P.I.H.	2025	48ACOU-S3-002	2E
P.S.&E.	2026	48ACOU-S3-002	2E

ENVIRONMENTAL NOTES

ENVIRONMENTAL GENERAL NOTES

NATURAL RESOURCES

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

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

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

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

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

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

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

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

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

SPECIES

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

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

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

PERMITS, PLANS & RECORDS

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

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

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

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

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

SUPPORT ACTIVITIES

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

ENVIRONMENTAL

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

ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL

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

ECOLOGY

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

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

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

SCOPE OF WORK

(5) GRADING AND DRAINAGE, AND CONSTRUCTION OF ROADWAYS.

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ENVIRONMENTAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	2F
P.I.H.	2025	48ACOU-S3-002	2F
P.S.&E.	2026	48ACOU-S3-002	2F

PAVEMENT QUANTITIES

LOCATION (ROADWAY)	TYPE - GRADE - PAY ITEM (TON)											
	MINERAL AGG.	BITUMINOUS PLANT MIX BASE (HOT MIX)				PRIME COAT		TACK COAT	ASPHALTIC CONCRETE SURFACE (HOT MIX)			
	D	A	A-S	B-M	B-M2				D	E		
	303-01	307-02.01	307-01.20	307-01.07	307-02.08	402-01	402-02	403-01	411-02.10	411-01.07	411-xx.xx	411-xx.xx
TEMP. RUN-AROUND	5730.0											
CATES LANDING	11906.0	2304.0			2125.0	27.0	94.0	16.0	1180.0			
PORT TERMINAL	989.0											
DRIVEWAYS	190.0								6.0			
TOTALS	18815.0	2304.0			2125.0	27.0	94.0	16.0	1186.0			

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)
	EXC.	EMB.	EXC.
MAINLINE	6430	4114	5466
SIDE ROADS			
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES			
INDEPENDENT DITCHES			
TEMPORARY CONSTRUCTION EXITS	43		37
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)			
TOPSOIL (EMB.)			
TOPSOIL (EXC.)			
TOPSOIL TOTALS (SEE TOPSOIL TABLE)			

ROCK (C.Y.)		TOTALS (C.Y.)				
EXC.	EMB.	EXC. (UNCL.)	EMB. (UNCL.)	EXC (COMMON)	EXC. (AVAIL.)	EXC. (ADJ.)
0	0	6473	4114	6473	6473	5503

BALANCE SUMMARY

SHRINK = 15 % SWELL = 15 %

EXC.		EMB.
5503	VS.	-4114
AVAILABLE	=	1389
WASTE MATERIAL	=	1598

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.
0	0	0	0	0	0	0	0

IF EXISTING TOPSOIL IS NOT SUITABLE FOR REUSE

PROPOSED SLOPE AREA S.F.	EXISTING TOPSOIL (EXC.)	EXISTING TOPSOIL (EMB.)	EXISTING TOPSOIL (TOTAL) C.Y.	REQUIRED TOPSOIL C.Y.	PLACING TOPSOIL 203-04 C.Y.	FURNISHED TOPSOIL 203-07 C.Y.	EXCESS TOPSOIL C.Y.
117774	N/A	N/A	N/A	2181	N/A	2181	N/A

CROSS DRAIN TABULATION

STATION	SKEW	RCP CLASS III FILL HEIGHT ≤ 16 FT. (L.F.)							RCP CLASS IV & V TRENCHLESS (L.F.)						END TREATMENT INLET		END TREATMENT OUTLET		REMARKS
		18"	24"	30"	36"	42"	48"	29"x18"	18"	24"	30"	36"	42"	48"	TYPE	DRAWING NO.	TYPE	DRAWING NO.	
50+83.00	90°							72							ST	D-PE-5	ST	D-PE-5	PORT TERMINAL ACCESS RD. 29"x18" RCAP
118+25.00	90°								45						U	D-PE-18A	U	D-PE-18A	CLASS IV
154+35.15	90°								96						U	D-PE-18A	U	D-PE-18A	CLASS V, DOUBLE PIPE
155+12.33	90°								84						U	D-PE-18A	U	D-PE-18A	CLASS IV, DOUBLE PIPE
TOTALS								72	225										

Pipe Tabulation For Local Roadways

CROSS DRAIN \ MEDIAN DRAIN ENDWALLS

LOCATION	STATION	OFFSET (FT.)	SKEW	CODE	TYPE	STANDARD DRAWING NO.	RIP-RAP CLASS "??" 709-05.xx (TON)	PROTECTED ENDWALLS CLASS "A" CONCRETE 611-07.01 (C.Y.)	PROTECTED ENDWALLS STEEL BAR REINFORCING 611-07.02 (LB.)	SAFETY ENDWALLS (ITEM NO. 611-07.54 THRU 611-07.71 SERIES) 18 IN. 3:1 07.54 (EACH)	18 IN. 4:1 07.55 (EACH)	18 IN. 6:1 07.56 (EACH)	24" IN. 3:1 07.57 (EACH)	24" IN. 4:1 07.58 (EACH)	24" IN. 6:1 07.59 (EACH)	30" IN. 3:1 07.60 (EACH)	30" IN. 4:1 07.61 (EACH)	30" IN. 6:1 07.62 (EACH)	36" IN. 3:1 07.63 (EACH)	36" IN. 4:1 07.64 (EACH)	36" IN. 6:1 07.65 (EACH)	42" IN. 3:1 07.66 (EACH)	42" IN. 4:1 07.67 (EACH)	42" IN. 6:1 07.68 (EACH)	48" IN. 3:1 07.69 (EACH)
PORT TERMINAL ACCESS RD.	50+83.00		90°		ST	D-PE-5		2.2	146															
CATES LANDING	118+25.00		90°		U	D-PE-18A					2													
CATES LANDING	155+12.33		90°		SEW	D-PE-18A		4.32	392															
CATES LANDING	154+35.15		90°		SEW	D-PE-18A		4.32	392															
TOTALS								10.8	930		2													

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TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
P.S.&E.	2026	48ACOU-S3-002	2F1

SPECIAL DITCHES

ROADWAY	STATION FROM	STATION TO	SIDE	DETAIL NO.	CONFIGURATION FORE (H/V)	CONFIGURATION BOTTOM WIDTH (FT.)	CONFIGURATION BACK (H/V)	CLASS A CONC. 604-01.01 (C.Y.)	SEEDING WITH MULCH 801-01 (UNITS)	SEEDING W/O MULCH 801-02 (UNITS)	SODDING NEW SOD 803-01 (S.Y.)
CATES LANDING	112+80.00	119+80.45	LT		4:1		4:1				1308
CATES LANDING	118+25.00	119+25.00	RT		4:1		2:1				170
CATES LANDING	120+50.00	121+50.00	RT		4:1		4:1				162
CATES LANDING	120+51.22	138+00.00	LT		4:1	2	4:1				3272
CATES LANDING	138+00.00	153+50.00	LT		4:1		FLAT				4873
CATES LANDING	151+78.04	155+12.33	LT		3:1		3:1				537
TOTALS											10322

SIDE DRAIN ENDWALLS

LOCATION	DRIVE OR ENTRANCE STATION	OFFSET (FT.)	TYPE	STANDARD DRAWING NO.	SKEW	RIP-RAP CLASS xx 709-05.xx (TON)	CLASS A CONC. 611-07.01 (C.Y.)	STEEL BAR REINF. 611-07.02 (LB.)	15 IN. 6:1 611-07.30 (EACH)	18 IN. 6:1 611-07.31 (EACH)	24 IN. 6:1 611-07.32 (EACH)	30" IN. 6:1 611-07.33 (EACH)	36" IN. 6:1 611-07.34 (EACH)	42" IN. 6:1 611-07.35 (EACH)	48" IN. 6:1 611-07.36 (EACH)	15" IN. 12:1 611-07.72 (EACH)	18" IN. 12:1 611-07.73 (EACH)
CATES LANDING	113+35.00	29.70	SEW		90°						2						
CATES LANDING	115+30.00	25.12	SEW		90°						2						
CATES LANDING	116+44.00	25.47	SEW		90°						2						
CATES LANDING	117+36.00	27.71	SEW		90°						2						
CATES LANDING	118+52.00	28.83	SEW		90°						2						
CATES LANDING	139+13.00	24.00	SEW		90°						2						
CATES LANDING	140+85.00	25.41	SEW		90°					2							
CATES LANDING	143+20.00	24.00	SEW		90°						2						
CATES LANDING	153+51.00	24.09	SEW		90°						2						
CATES LANDING	156+00.00	24.00	SEW		90°						2						
CATES LANDING	161+07.00	24.00	SEW		90°					2							
CATES LANDING	161+28.00	24.00	SEW		90°					2							
CATES LANDING	161+79.00	24.00	SEW		90°					2							
TOTALS										8	18						

SIDE DRAIN TABULATION

STATION	LOCATION LT.	LOCATION RT.	DESCRIPTION	SURFACE WIDTH FT.	SKEW	RCP CLASS III OR CMP 16 GA OR PVC OR SRTRP OR HDPE OR PP (L.F.) FILL HEIGHT ≤ 10 FT. 18"	24"	30"	36"	42"	48"	22"x13"	RCP CLASS III OR CMP 14 GA OR PVC OR SRTRP OR HDPE OR PP (L.F.) FILL HEIGHT > 10 FT. AND ≤ 16 FT 18"	24"	30"	36"	42"	48"	END TREATMENT INLET TYPE	INLET DRAWING NO	OUTLET TYPE	OUTLET DRAWING NO	REMARKS
113+35.00	x		ASPH. DRIVEWAY	16	90°		20												SEW	D-SEW-1A	SEW	D-SEW-1A	
115+30.00	x		ASPH. DRIVEWAY	10	90°		16												SEW	D-SEW-1A	SEW	D-SEW-1A	
116+44.00	x		ASPH. DRIVEWAY	20	90°		24												SEW	D-SEW-1A	SEW	D-SEW-1A	
117+36.00	x		ASPH. DRIVEWAY	14	90°		16												SEW	D-SEW-1A	SEW	D-SEW-1A	
118+52.00	x		ASPH. DRIVEWAY	14	90°		16												SEW	D-SEW-1A	SEW	D-SEW-1A	
139+13.00		x	ASPH. DRIVEWAY	14	90°							24							SEW	D-SEW-1A	SEW	D-SEW-1A	
140+85.00		x	GR. DRIVEWAY	40	90°	60													SEW	D-SEW-1A	SEW	D-SEW-1A	
143+20.00		x	GR. DRIVEWAY	30	90°							40							SEW	D-SEW-1A	SEW	D-SEW-1A	
153+51.00		x	ASPH. DRIVEWAY	12	90°							20							SEW	D-SEW-1A	SEW	D-SEW-1A	
156+00.00	x		ASPH. DRIVEWAY	30	90°							36							SEW	D-SEW-1A	SEW	D-SEW-1A	
161+07.00	x		ASPH. DRIVEWAY	14	90°	20													SEW	D-SEW-1A	SEW	D-SEW-1A	
161+28.00		x	ASPH. DRIVEWAY	15	90°	20													SEW	D-SEW-1A	SEW	D-SEW-1A	
161+79.00	x		ASPH. DRIVEWAY	10	90°	16													SEW	D-SEW-1A	SEW	D-SEW-1A	
TOTALS						116	92					120											

Pipe Tabulation For Private Drives, Business & Field Entrances

SEALED BY

HECK MENG TING
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE
02/04/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

5/27/2026 11:08:50 AM
P:\0000_0100\0078250050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\002F Tabulated Quantities.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	3
P.I.H.	2025	48ACOU-S3-002	3
P.S.&E.	2026	48ACOU-S3-002	3

REV. 05-08-24: REVISED OWNER & DEED FOR TRACT 18.
REV. 08-11-25: REVISED CONST ESM'T FOR TRACT 15. ADDED FOOTNOTE 3.
REV. 09-19-25: REVISED TR. 13 R.O.W. ADDED PERMANANT DRAINAGE ESM'T

RIGHT-OF-WAY

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

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

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

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

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

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

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

(12) EASEMENT REQUIRED FOR THE RAILROAD CROSSING IS TO BE OBTAINED BY THE UTILITIES ENGINEER BY PROVISIONS CONTAINED IN THE CROSSING AGREEMENT NEGOTIATED WITH THE RAILROAD.

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

UTILITY	OWNER	PHONE NO.	CONTACT	EMAIL	ADDRESS	CITY	STATE	ZIP CODE
WATER/ SEWER	CITY OF TIPTONVILLE	C (731) 442-1567	KENT ROBERSON		130 S. COURT ST.	TIPTONVILLE	TN	38079
TELEPHONE	AT&T	O (901) 488-2359	DANIEL POTTS	dp7607@att.com	3138 CYPRESS RIDGE DR.	EADS	TN	38028
ELECTRIC/ FIBER	GIBSON ELECTRIC MEMBERSHIP COOPERATION	O (731) 855-4740	MIKE DAVIS	mdavis@gibsonemc.com	1207 S. COLLEGE ST.	TRENTON	TN	38382

R.O.W. ACQUISITION TABLE

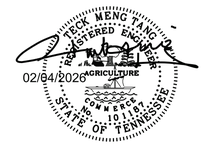
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (ACRES)			
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT	SLOPE	CONSTRUCTION	AIR RIGHTS
				BOOK	PAGE												
~~1~~	~~Landon A. Paschall~~	~~17~~	~~15.01~~	~~57~~	~~724~~		~~108.693~~	~~108.693~~					~~108.693~~				
~~5~~	~~William Joseph Lynn~~	~~17~~	~~7.17~~	~~46~~	~~473~~	~~0.449~~		~~0.449~~				~~0.449~~					
~~5~~	~~William Joseph Lynn~~	~~17~~	~~7.18~~	~~13~~	~~666~~	~~0.449~~		~~0.449~~				~~0.449~~					
~~8~~	~~Steve & Judy Cravens~~	~~17~~	~~7.22~~	~~E-1~~	~~242~~	~~0.535~~		~~0.535~~				~~0.535~~					
~~9~~	~~Terry Lockard~~	~~17~~	~~7.12~~	~~Y-1~~	~~76~~	~~0.997~~		~~0.997~~				~~0.997~~					
10	Robert Riley C/O Tony Riley	17	7.13	29	762	1.628		1.628	0.136		0.136	1.492					
11	Town of Tiptonville	17	15.02	57	384		6.629	6.629		3733 S.F.	3733 S.F.		6.543				
12	Tony Riley etux Vicki	17	7.11	E-2	166	0.931		0.931	0.105		0.105	0.826					
13	NW TN Reg Port Authority/John M. Lannom	17	8.00	39	473	118.551		118.551	0.918		0.918	117.633		0.137		3570 S.F. ①	
14	Lake County	16	16.01	30	159		171.850	171.850		1.010	1.010		170.840				
15	Northwest Tenn Port Authority/John Lannom	16	1.23	17	480	58.383		58.383	1.186		1.186	57.197				0.508 ①③	
16	Industrial Development Board of Lake County, Tennessee, Inc.	16	13.05	64	243		148.228	148.228		0.895	0.895		147.333			217 S.F. ①	
17	Northwest Tenn Regional Port Authority	16	13.04	61	18		7.507	7.507		3479 S.F.	3479 S.F.		7.427				
18	Lake County Tenn	16	13.00	25	39		17.927	17.927		0.323	0.323		17.604			830 S.F. ①	
19	Howard M Vaughn Jr.	16	2.01	32	315	2.525		2.525	2395 S.F.		2395 S.F.	2.470					
20	Pierce Farm Trust, Ernie Pierce Jr. & Shirley Pierce Trustees	16	2.03	28	171	61.738		61.738	520 S.F.		520 S.F.	61.726					
21	Albert E. Markham III	16	12.00	T-1	300		148.688	148.688		4057 S.F.	4057 S.F.		148.595			1875 S.F. ②	
ACQUISITION TOTALS (ACRES)										4.900				0.137		0.657	

① FOR CONSTRUCTION OF PROPOSED DRIVEWAYS
② FOR CONSTRUCTION OF TEMPORARY RUN-AROUND
③ FOR CONSTRUCTION OF DITCHES, CULVERTS & EPSC MEASUREMENTS.

DISTURBED AREA

IN BETWEEN SLOPE LINES	6.740	(AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	4.036	(AC)
TOTAL DISTURBED AREA	10.776	(AC)
TOTAL PROJECT AREA	21.552	(AC)

SEALED BY



02/04/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	3A
P.I.H.	2025	48ACOU-S3-002	3A
P.S.&E.	2026	48ACOU-S3-002	3A

REV. 01-16-25: ADDED TIPTONVILLE CITY LIMITS.
REV. 08-11-25: ADDED RAILROAD.
REV. 09-19-25: REVISED TR. 13 R.O.W.
ADDED PERMANANT DRAINAGE ESM'T

NOTE /1\:- THIS PROP. R.O.W. IS TO BE ACQUIRED BY THE ADJOINING PROJECT.

TRACT 13 DETAIL (N.T.S.)

TRACT 15 DETAIL (N.T.S.)

115 120 125 130 135

PC 123+41.20
PT 124+49.63

PROP. TEMP. CONST. ESM'T
EX. 10' UTILITY ESM'T
PROP. PERM. DRAINAGE ESM'T
PORT TERMINAL ACCESS RD.
S 35° 05' 24" W
POT 50+06.09
PROP. TEMP. CONST. ESM'T
PROP. R.O.W.
PRES. R.O.W.
S 86° 57' 46" E
℄ CATES LANDING
S 86° 06' 02" E
TIPTONVILLE CITY LIMITS (ALONG ROW)
WWC-1/UDF-1
WWC-2/UDF-2
S 86° 38' 34" E
EX. 30' UTILITY ESM'T
WTL-1
WTL-2

CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900

PC 121+09.24
PT 122+81.67

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

TRACT 11 DETAIL (N.T.S.)

TRACT 14 DETAIL (N.T.S.)

MATCH LINE STA. 138+00.00 SEE SHT. NO. 3B

N

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CHECK MENG TAN
REGISTERED ENGINEER
STATE OF TENNESSEE
AGRICULTURE
COMMERCE
102118
02/04/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 112+80 TO STA.138+00
SCALE: 1"=100'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	3B
P.I.H.	2025	48ACOU-S3-002	3B
P.S.&E.	2026	48ACOU-S3-002	3B

REV. 01-16-25: ADDED TIPTONVILLE CITY LIMITS.
REV. 08-11-25: ADDED RAILROAD & CONST. ESM'T FOR TR. 15.
REV. 05-29-26: REMOVED "BY OTHERS" FROM RAILROAD CROSSING

MATCH LINE STA. 138+00.00 SEE SHT. NO. 3A

TRACT 16 DETAIL (N.T.S.)

TRACT 18 DETAIL (N.T.S.)

TRACT 20 DETAIL (N.T.S.)

140 145 150 155 160 165

PC 145+48.16

PT 149+37.76
PC 149+66.86

PT 155+08.63

NOTE:- RAIL ROADS WITHIN ROW & CONSTRUCTION ESM'T SHALL NOT BE DISTURBED.

RAIL CROSSING
STA. 154+35.57
N 786161.1223
E 949334.1087

N

PROP. TEMP. CONST. ESM'T

PROP. R.O.W.

PRES. R.O.W.

TIPTONVILLE CITY LIMITS (ALONG ROW)

WWC-1/UDF-1

WWC-2/UDF-2

S 86° 51' 57" E

℄ CATES LANDING

S 88° 35' 26" E

PRES. R.O.W.

PROP. R.O.W.

EX. 30' UTILITY ESM'T

PROP. TEMP. CONST. ESM'T

PROP. TEMP. CONST. ESM'T

PROP. TEMP. CONST. ESM'T

EX. 30' UTILITY ESM'T. FOR TR. 17, 18 & 21 SHOWN PER PLAN AND IS NOT RECORDED AS OF THE DATE OF THE PLANS.

TRACT 17 DETAIL (N.T.S.)

TRACT 21 DETAIL (N.T.S.)

TIPTONVILLE CITY LIMITS (ALONG PROPERTY LINE)

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

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HECK MENG TANG
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE
02/04/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA.158+00 TO STA. 164+65
SCALE: 1"=100'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	4
P.I.H.	2025	48ACOU-S3-002	4
P.S.&E.	2026	48ACOU-S3-002	4

REV. 01-16-25: ADDED 6" GAS LINE PER PLAN & TIPTONVILLE CITY LIMITS.
REV. 09-19-25: REVISED TR. 13 R.O.W. ADDED PERMANANT DRAINAGE ESM'T

POINT	NORTH	EAST	ELEVATION	STATION	OFFSET	FEATURE
S02	786363.7668	945383.5889	304.99	114+79.76	18.03' RT	XCP=GPS 48-SIA-02
STG684	786408.9280	945306.4730	304.89	114+00.36	22.98' LT	XBM=TBM#1 BENCH TIE

NOTE /1\:- THIS PROP. R.O.W. IS TO BE ACQUIRED BY THE ADJOINING PROJECT.

NOTE: ISLAND #10 MONUMENT IS APPROXIMATELY 20' FROM PROPOSED SLOPE LINE AND SHALL NOT BE DISTURBED.

NOTE: THE FOLLOWING UTILITIES LINES WERE SHOWN PER PLANS. IT IS NOT FIELD LOCATED OR NOT CONSTRUCTED DURING SURVEY.
2" W
4" W
6" W

PERMANENT DRAINAGE EASEMENT NOTES

TRACT#	BOOK#	PAGE#
5	30	452
8	28	511
9	28	513
10	30	614

PROP. TEMP. CONST. ESM'T

EX. DRIVEWAYS PIPES TO BE REMOVED

CURVE DC3
PI 121+95.46
N 786,343.8527
E 946,099.2360
Δ 0° 51' 44" (RT)
D 0° 30' 00"
R 11,459.16
L 172.43
T 86.22
SE NC
DESIGN SPEED 60 MPH

UTILITY EASEMENT NOTES

TRACT#	BOOK#	PAGE#
14	66	636

110 115 120

⑧ STEVE & JUDY CRAVENS

⑨ TERRY LOCKARD

⑩ ROBERT RILEY C/O TONY RILEY

⑫ TONEY RILEY ETUX VICKI

⑬ NW TN PORT AUTHORITY JOHN M. LANNOM

⑤ WILLIAM JOSEPH LYNN

⑥ WILLIAM JOSEPH LYNN

APPROX. LOCATION ABANDON HOUSES

1S/RES MOBILE HOME

1S/RES/MAS

CARPORT

GRASS

TREES

12" HICKORY

BARBED WIRE

SHED

10" PECAN

6" OAK

PORT OF CATES SIGN W/ LIGHTS

BUSHES

EX. 10' UTILITY ESM'T.

STA. 50+38.00 LT & RT MATCH EXIST. (LIMIT OF CONST.)

PORT TERMINAL ACCESS RD.

S 3° 05' 24" W

50

119+75.00 127.00'

119+75.00 85.00'

119+20.00 50.0000'

120+60.00 127.00'

120+60.00 85.00'

121+55.00 45.0000'

PROP. R.O.W.

PRES. R.O.W.

EX. P.D.E.

ASPH.DR.

GR.DR.

CONC.

CUT

DIRT SH.

ASPH.

ASPH.SH.

S 86° 57' 46" E

℄ CATES LANDING

CP-S02

48-SIA-02

TBM#1

BM#STG684

TEL. PED.

TIPTONVILLE CITY LIMITS (ALONG ROW)

1.6X2.6OVAL RCP

TYPE 3

12" CMP

24" CMP

18" RCP

WWC-1

WWC-2/ UDF-2

TNMONUMENT

FLAG

ISLAND #10 MONUMENT

DC3

PRES. R.O.W.

**EX. 30' UTILITY ESM'T.

MATCH LINE STA. 122+00.00 SEE SHT. NO. 5

SR 22

TIPTONVILLE CITY LIMITS

PRES. R.O.W.

TIPTONVILLE CITY LIMITS (ALONG ROW)

CULT.

LANDON A. PASCHALL

TIPTONVILLE CITY LIMIT

MEMORIAL HIGHWAY

TO TIPTONVILLE SR 22

S.R. 22

OLD S.R. 22

WTL-1

WTL-2

TOWN OF TIPTONVILLE

LAKE COUNTY

PC 121+09.24

BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900

(SEE SHEET 9 FOR PORT TERMINAL ACCESS RD. PROFILE)

SEALED BY

TECK MENG TAN
REGISTERED ENGINEER
No. 101181
AGRICULTURE
STATE OF TENNESSEE
02/04/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 112+80 TO STA.122+00
SCALE: 1"=50'

5/27/2026 11:11:19 AM
P:\0000_0100\007\8250050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\004 Present.sht

POINT	NORTH	EAST	ELEVATION	STATION	OFFSET	FEATURE
S02	786363.7668	945383.5889	304.99	114+79.76	18.03' RT	XCP=GPS 48-SIA-02
STG684	786408.9280	945306.4730	304.89	114+00.36	22.98' LT	XBM=TBM#1 BENCH TIE

NOTE 1:- THIS PROP. R.O.W. IS TO BE ACQUIRED BY THE ADJOINING PROJECT.

PERMANENT DRAINAGE EASEMENT NOTES

TRACT#	BOOK#	PAGE#
5	30	452
8	28	511
9	28	513
10	30	614

PROP. TEMP. CONST. ESM'T

PROP. PERM. DRAINAGE ESM'T

UTILITY EASEMENT NOTES

TRACT#	BOOK#	PAGE#
14	66	636

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	4A
P.I.H.	2025	48ACOU-S3-002	4A
P.S.&E.	2026	48ACOU-S3-002	4A

REV. 05-08-24: CORRECTED STATION BETWEEN L6 & L7.
REV. 01-16-25: COMBINED PRES. R.O.W. DISTANCE FOR TR. 10. LABELED DISTANCE BETWEEN STA. 114+47.00 O/S 48.00' AND STA. 114+43.65 O/S 32.62' FOR TR. 11. CORRECTED R/L ON PRES. R.O.W. FOR TR. 13 & 14. ADDED TIPTONVILLE CITY LIMITS.
REV. 09-19-25: REVISED TR. 13 R.O.W. ADDED PERMANANT DRAINAGE ESM'T

N

110

115

120

⑧ ~~STEVE & JUDY CRAVENS~~

⑨ ~~TERRY LOCKARD~~

⑩ ROBERT RILEY C/O TONY RILEY

⑫ TONEY RILEY ETUX VICKI

⑬ NW TN PORT AUTHORITY JOHN M. LANNOM

⑤ ~~WILLIAM JOSEPH LYNN~~

⑤ ~~WILLIAM JOSEPH LYNN~~

N 6° 40' 38" E 196.00'

N 6° 40' 23" E 196.00'

N 6° 37' 10" E 276.85'

N 7° 03' 45" E 282.45'

N 7° 23' 26" E 282.11'

N 4° 55' 06" E 241.14'

N 4° 55' 03" E 289.30'

PRES. R.O.W.

110+69.21 27.70'

111+69.25 27.62'

112+52.09 27.55'

112+70.27 27.53'

114+06.14 27.42'

114+07.73 50.00'

116+68.98 50.00'

116+67.13 25.61'

R=248.00' L=27.06'

116+89.67 22.17'

116+40.13 27.22'

R=248.00' L=22.82'

118+33.74 50.00'

118+32.82 22.05'

118+48.75 50.00'

119+20.00 50.00'

118+47.83 22.04'

118+76.45 22.02'

119+75.00 127.00'

119+75.00 85.00'

120+60.00 127.00'

120+60.00 85.00'

121+55.00 45.00'

PORT TERMINAL ACCESS RD. S 3° 05' 24" W

50'

L1 L2 L3 L4 L5 L6 L7 L8 L9

*EX. P.D.E.

*EX. P.D.E.

PROP. R.O.W.

PROP. R.O.W.

PROP. R.O.W.

S 86° 57' 46" E 261.26'

S 86°57' 46" E 164.76'

S 64° 07' 15" E 107.28'

S 86°37' 42" E 1492.69'

CUT

CUT

100.04'

100.04'

82.84'

18.17'

135.87'

S 86° 54' 51" E

S 86° 54' 51" E

BM#STG684 TBM#1

S 86° 54' 51" E

233.99'

PRES. R.O.W.

143.15'

S 86° 54' 51" E

28.62'

S 86° 54' 51" E

TIPTONVILLE CITY LIMITS (ALONG ROW)

121+52.56 22.24'

120.50'

S 87° 04' 20" E

EX. 10' UTILITY ESM'T. R=99996.33' L=276.19'

WWC-1/UDF-1

WWC-1/UDF-1

WWC-1/UDF-1

S 86° 57' 46" E

℄ CATES LANDING

CP-S02 48-SIA-02

DC3

WWC-2/UDF-2

WWC-2/UDF-2

TIPTONVILLE CITY LIMITS

PRES. R.O.W. S 47° 03' 01" E 184.45'

TIPTONVILLE CITY LIMITS (ALONG ROW)

CUT

15.75'

S 86° 54' 51" E 196.43'

S 86°57' 46" E 266.87'

PRES. R.O.W.

PROP. R.O.W.

L=75.86'

114+43.65 32.62'

114+47.00 48.00'

116+40.07 32.78'

117+13.87 48.00'

R=188.00' L=296.25'

R=100046.33' L=63.34'

S 87° 04' 20" E

PRES. R.O.W.

CUT

=95.96'

S 86°38' 40" E 1861.55'

PROP. R.O.W.

**EX. 30' UTILITY ESM'T.

R=207.00' L=285.64'

120+89.40 27.94'

119+96.89 50.00'

121+52.84 27.75'

MATCH LINE STA. 122+00.00 SEE SHT. NO. 5A

~~LANDON A. PASCHALL~~

④

WTL-1

WTL-2

S.R. 22

S 9° 15' 55" E 1183.86'

PRES. R.O.W.

⑪ TOWN OF TIPTONVILLE

⑭ LAKE COUNTY

OLD S.R. 22

PC 121+09.24

BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900

PROP. R.O.W. LINE/CURVE TABLE			
CODE	BEARING	DIST.	RADIUS
L3	N 7°23' 26" E	24.46'	
L4	N 4°55' 06" E	27.96'	
L5	N 4°55' 03" E	27.97'	
L6	S 86°57' 46" E	71.25'	
L7	N 60°33' 58" E	65.19'	
L8	S 86°57' 46" E	85.00'	
L9	S 85°43' 21" E	235.23'	

SEALED BY

TECK MENG TANG 2 REGISTERED ENGINEER STATE OF TENNESSEE AGRICULTURE No. 101181

02/04/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAIL

STA. 112+80 TO STA.122+00
SCALE: 1"=50'

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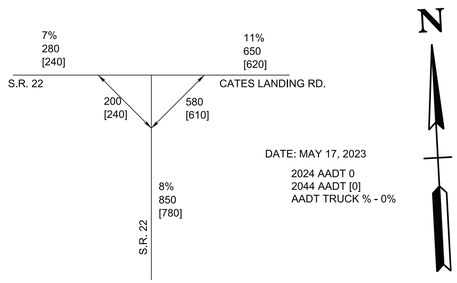
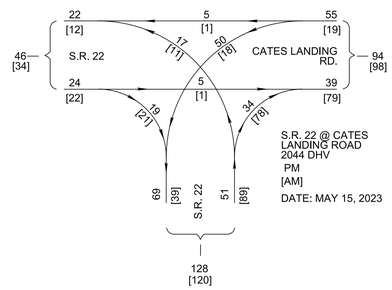
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	4B
P.I.H.	2025	48ACOU-S3-002	4B
P.S.&E.	2026	48ACOU-S3-002	4B



110

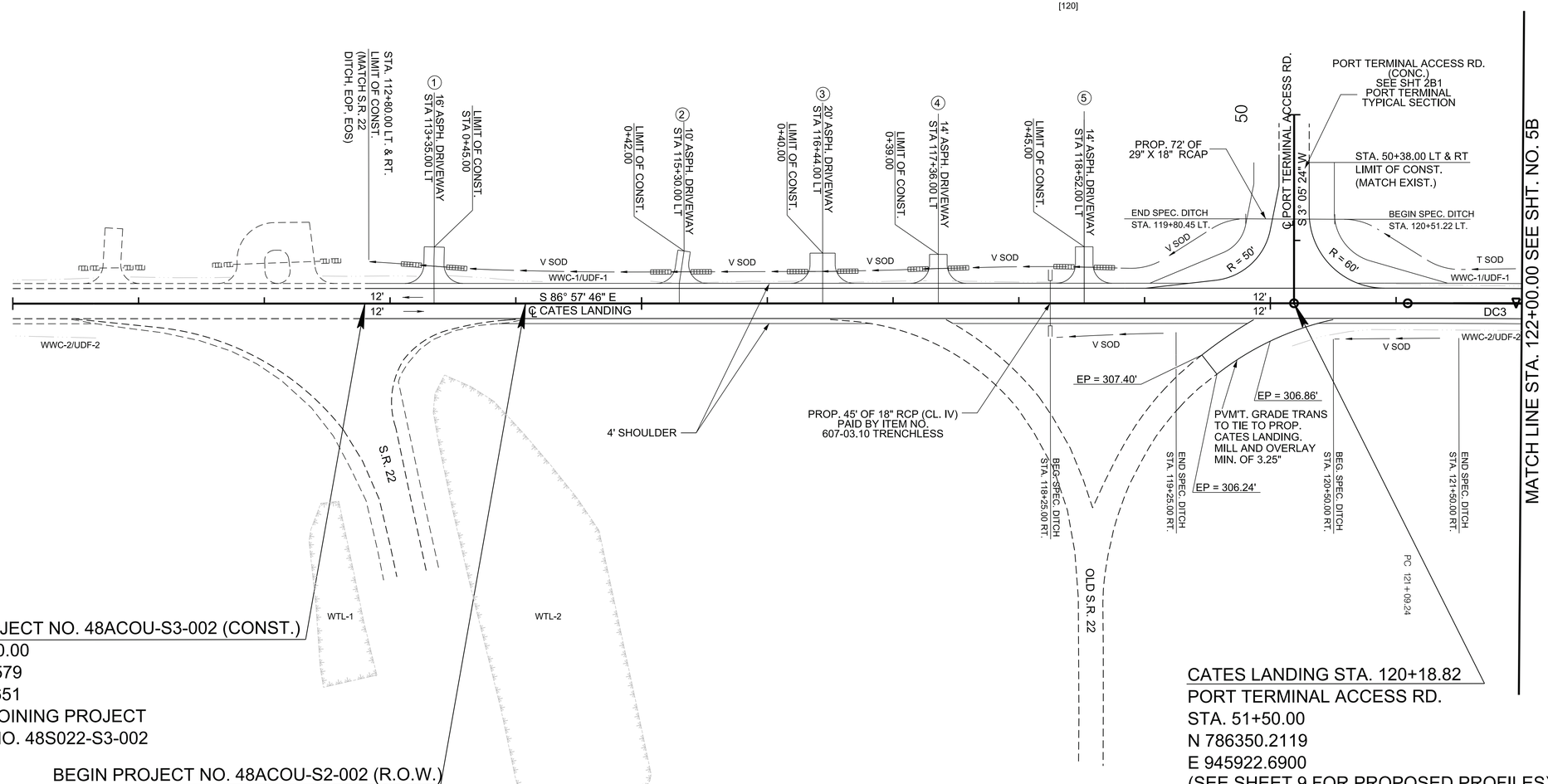
PROP. DRIVEWAY TABLE			
CODE	RADIUS	S.D. REQD.	E.W. REQD.
1	15'	20' OF 24"	2 OF S.E.W.
2	15'	16' OF 24"	2 OF S.E.W.
3	15'	24' OF 24"	2 OF S.E.W.
4	15'	16' OF 24"	2 OF S.E.W.
5	15'	16' OF 24"	2 OF S.E.W.
	TOTAL	92' OF 24"	10 OF S.E.W.

115



PROP. TAPER TABLE		
CODE	STATION	OFFSET
A	50+57.06	12.00' RT
B	50+91.88	18.98' RT
C	119+56.53	18.32' LT
D	119+00.88	12.00' LT
E	50+77.93	12.00' LT
F	120+90.89	12.00' LT

120



BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900
(SEE SHEET 9 FOR PROPOSED PROFILES)

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 112+80 TO STA.122+00
SCALE: 1"=50'

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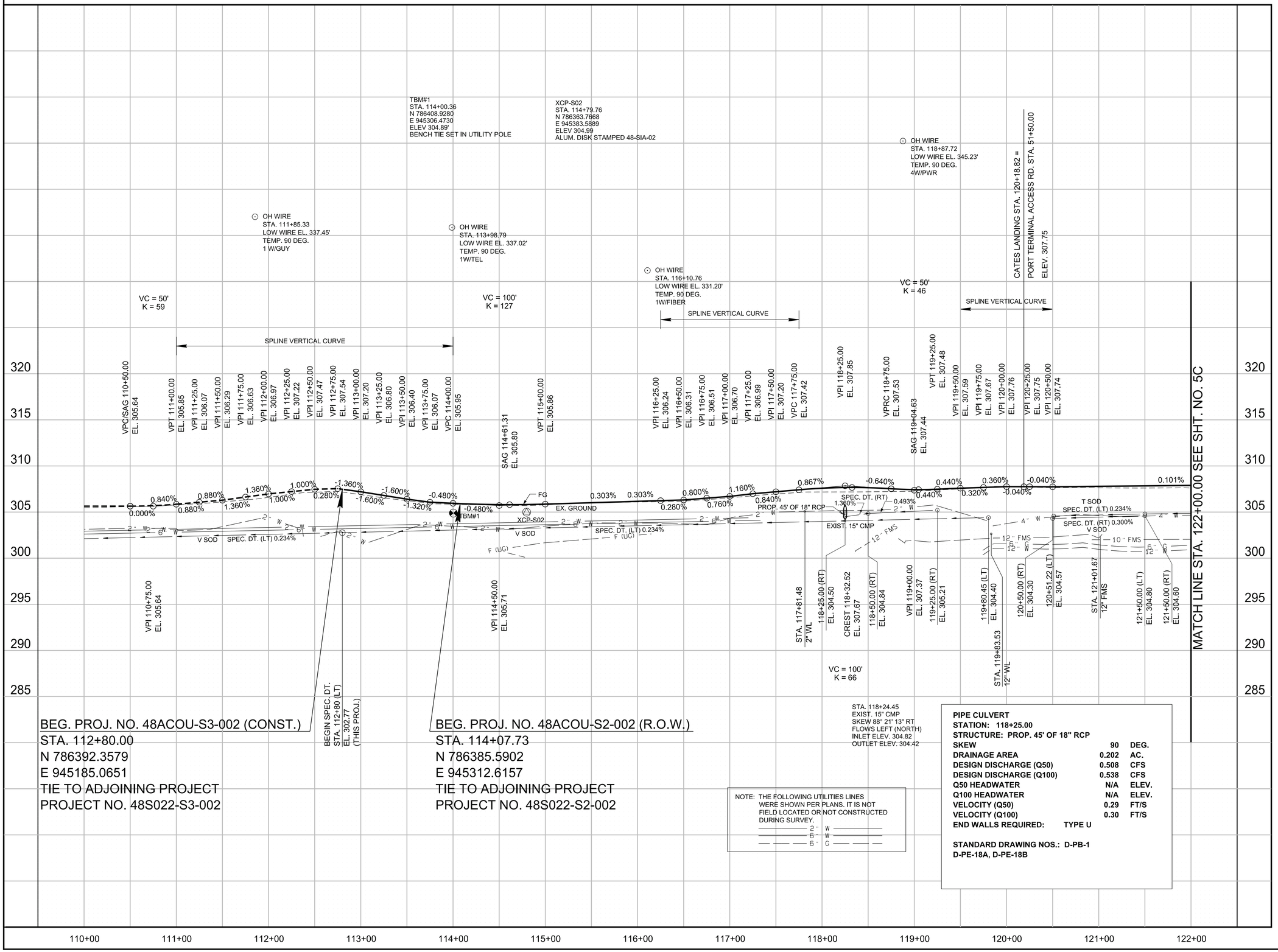
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	4C
P.I.H.	2025	48ACOU-S3-002	4C
P.S.&E.	2026	48ACOU-S3-002	4C

REV. 01-16-25: ADDED 6" GAS LINE PER PLAN.



PIPE CULVERT
STATION: 118+25.00
STRUCTURE: PROP. 45' OF 18" RCP

SKEW	**90**	**DEG.**
DRAINAGE AREA	**0.202**	**AC.**
DESIGN DISCHARGE (Q50)	**0.508**	**CFS**
DESIGN DISCHARGE (Q100)	**0.538**	**CFS**
Q50 HEADWATER	**N/A**	**ELEV.**
Q100 HEADWATER	**N/A**	**ELEV.**
VELOCITY (Q50)	**0.29**	**FT/S**
VELOCITY (Q100)	**0.30**	**FT/S**

END WALLS REQUIRED: TYPE U

STANDARD DRAWING NOS.: D-PB-1
D-PE-18A, D-PE-18B

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 112+80 TO STA.122+00

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	5
P.I.H.	2025	48ACOU-S3-002	5
P.S.&E.	2026	48ACOU-S3-002	5

REV. 01-16-25: ADDED 6" GAS LINE PER PLAN & TIPTONVILLE CITY LIMITS.
REV. 08-11-25: ADDED RAILROAD. REVISED LEFT SLOPE LINE STA. 126+00 TO MATCH LINE.

CURVE DC3
PI 121+95.46
N 786,343.8527
E 946,099.2360
Δ 0° 51' 44" (RT)
D 0° 30' 00"
R 11,459.16
L 172.43
T 86.22
SE NC
DESIGN SPEED 60 MPH

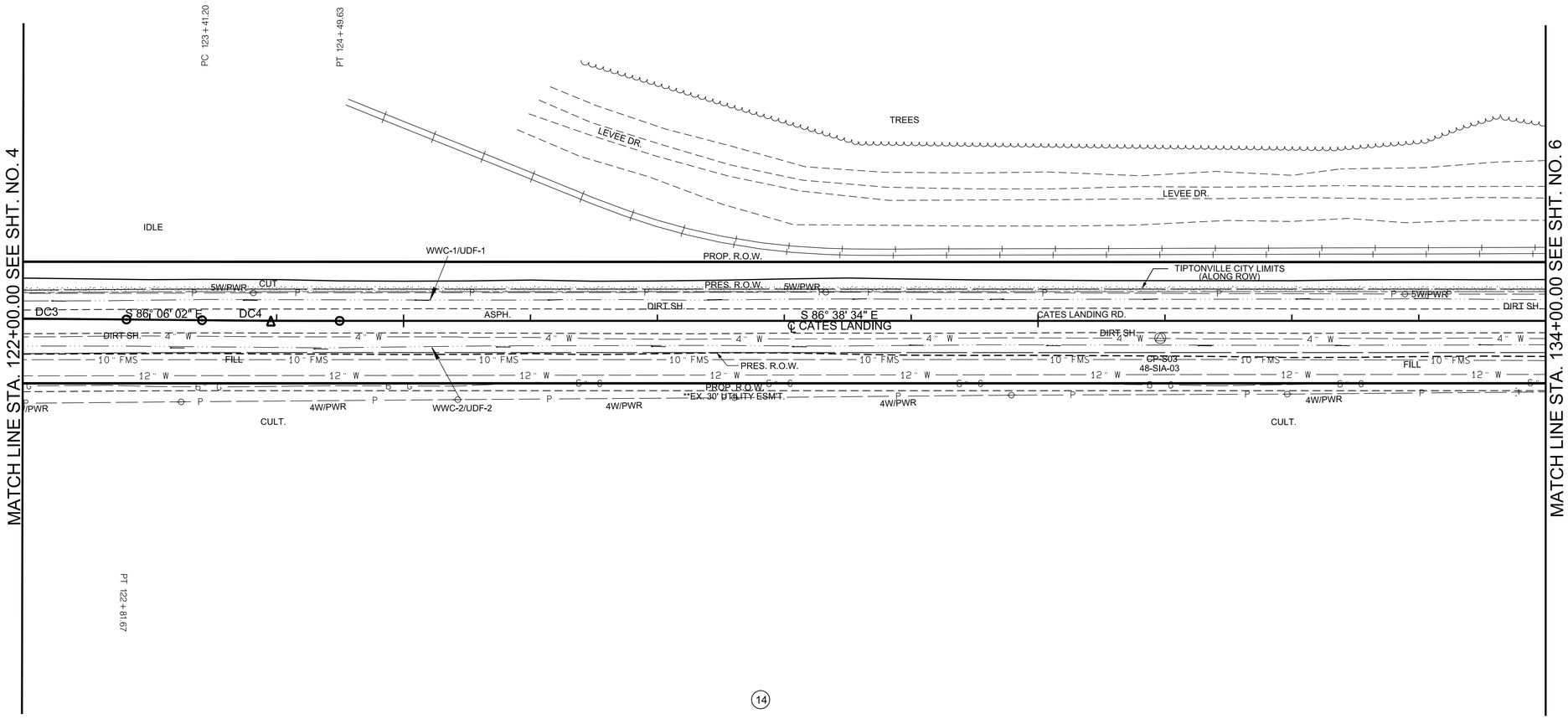
CURVE DC4
PI 123+95.42
N 786,330.2543
E 946,298.7353
Δ 0° 32' 32" (LT)
D 0° 30' 00"
R 11,459.16
L 108.42
T 54.21
SE NC
DESIGN SPEED 60 MPH

N

(13)
NW TN PORT AUTHORITY
JOHN M. LANNOM

125

130



(14)
LAKE COUNTY

UTILITY EASEMENT NOTES

TRACT#	BOOK#	PAGE#
14	66	636

POINT	NORTH	EAST	ELEVATION	STATION	OFFSET	FEATURE
S03	786275.6459	946997.6365	306.49'	130+96.31	13.59' RT	XCP=GPS 48-SIA-03

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA.122+00 TO STA.134+00
SCALE: 1"=50'

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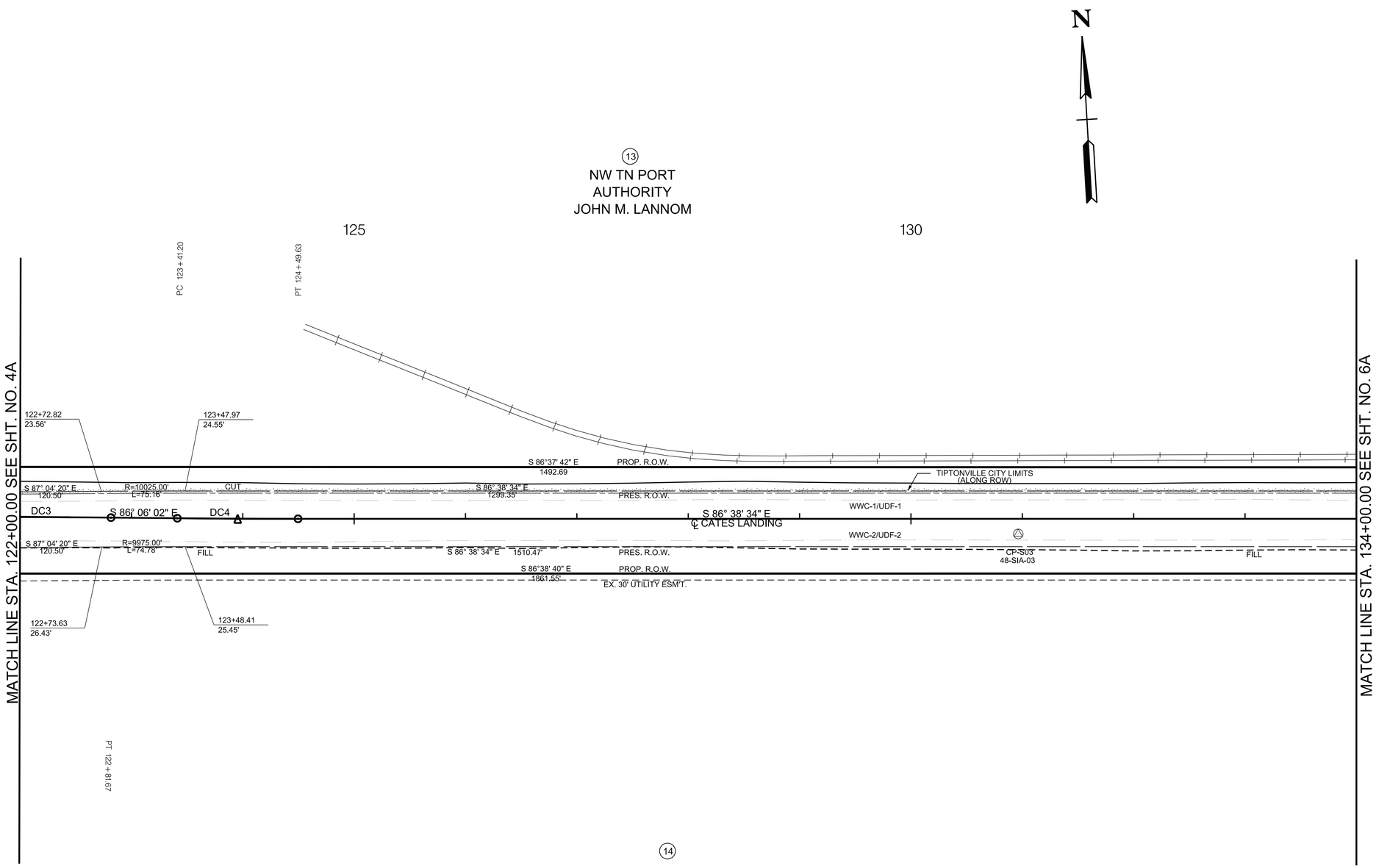
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	5A
P.I.H.	2025	48ACOU-S3-002	5A
P.S.&E.	2026	48ACOU-S3-002	5A

REV. 01-16-25: ADDED TIPTONVILLE CITY LIMITS.
REV. 08-11-25: ADDED RAILROAD. REVISED LEFT SLOPE LINE STA. 125+00 TO MATCH LINE.



UTILITY EASEMENT NOTES

TRACT#	BOOK#	PAGE#
14	66	636

POINT	NORTH	EAST	ELEVATION	STATION	OFFSET	FEATURE
S03	786275.6459	946997.6365	306.49'	130+96.31	13.59' RT	XCP=GPS 48-SIA-03

SEALED BY

02/04/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAIL

STA.122+00 TO STA.134+00
SCALE: 1"=50'

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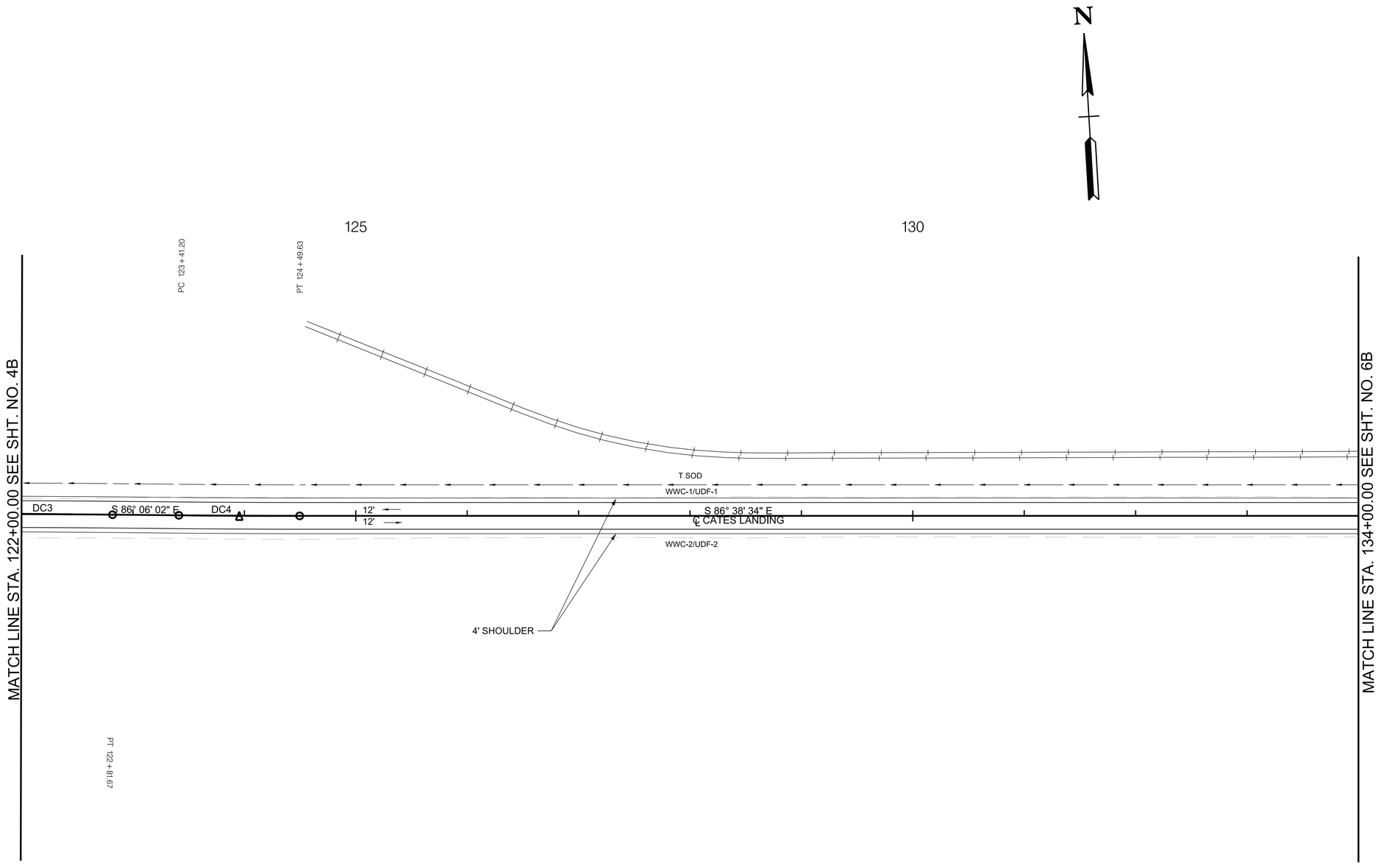
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	5B
P.I.H.	2025	48ACOU-S3-002	5B
P.S.&E.	2026	48ACOU-S3-002	5B

REV. 08-11-25: ADDED RAILROAD.



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02/04/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA.122+00 TO STA.134+00
SCALE: 1"=50'

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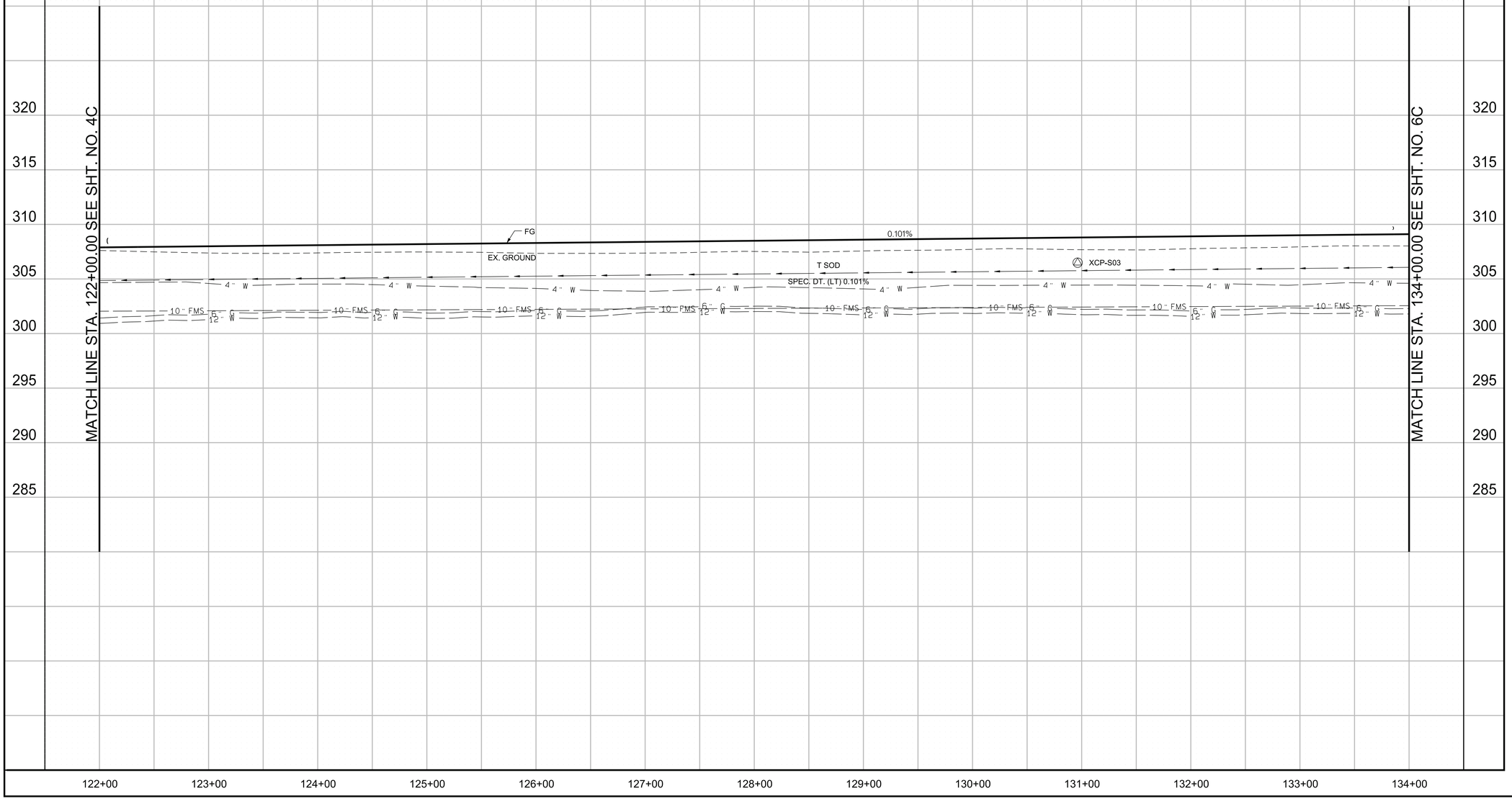
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	5C
P.I.H.	2025	48ACOU-S3-002	5C
P.S.&E.	2026	48ACOU-S3-002	5C

REV. 01-16-25: ADDED 6" GAS LINE PER PLAN.

NOTE: THE FOLLOWING UTILITIES LINES WERE SHOWN PER PLANS. IT IS NOT FIELD LOCATED OR NOT CONSTRUCTED DURING SURVEY.

— —— —— 6" G —— —— —

XCP-S03
STA. 130+96.31
N 786275.6459
E 946997.6365
ELEV 306.49
ALUM. DISK STAMPED 48-SIA-03



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.122+00 TO STA.134+00

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	6
P.I.H.	2025	48ACOU-S3-002	6
P.S.&E.	2026	48ACOU-S3-002	6

REV. 01-16-25: ADDED 6" GAS LINE PER PLAN & TIPTONVILLE CITY LIMITS.

REV. 08-11-25: ADDED RAILROAD. REVISED LEFT SLOPE LINE MATCH LINE TO MATCH LINE. ADDED CONST. ESM'T FOR TR. 15.

NOTE:- RAILROAD WITHIN ROW & CONSTRUCTION ESM'T SHALL NOT BE DISTURBED.

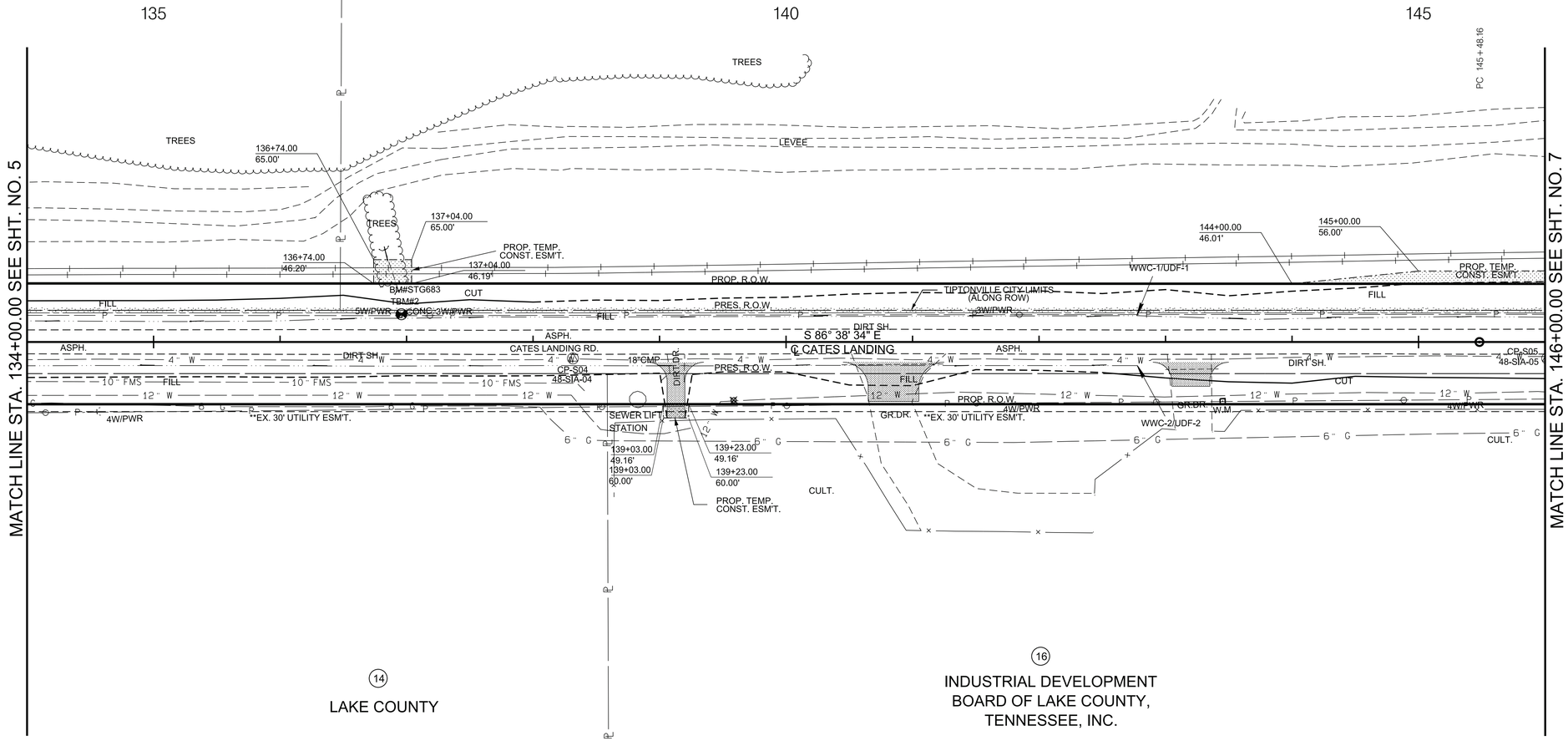
PROP. TEMP. CONST. ESM'T

EX. DRIVEWAYS PIPES TO BE REMOVED

N

13
NW TN PORT AUTHORITY JOHN M. LANNOM

15
NORTHWEST TENN PORT AUTHORITY JOHN LANNOM



14
LAKE COUNTY

16
INDUSTRIAL DEVELOPMENT BOARD OF LAKE COUNTY, TENNESSEE, INC.

UTILITY EASEMENT NOTES

TRACT#	BOOK#	PAGE#
14	66	636
16	67	711

POINT	NORTH	EAST	ELEVATION	STATION	OFFSET	FEATURE
S04	786233.1700	947731.6177	307.18'	138+31.52	13.01' RT	XCP=GPS 48-SIA-04
S05	786188.0821	948500.4570	309.17'	146+01.68	13.31' RT	XCP=GPS 48-SIA-05
STG683	786275.9752	947598.3120	308.30'	136+95.94	21.92' LT	XBM=TBM#2 BENCH TIE

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA.134+00 TO STA.146+00
SCALE: 1"=50'

5/27/2026 11:11:25 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	6A
P.I.H.	2025	48ACOU-S3-002	6A
P.S.&E.	2026	48ACOU-S3-002	6A

REV. 01-16-25: CORRECTED PRES. R.O.W. R/L FOR TR.16. ADDED TIPTONVILLE CITY LIMITS.

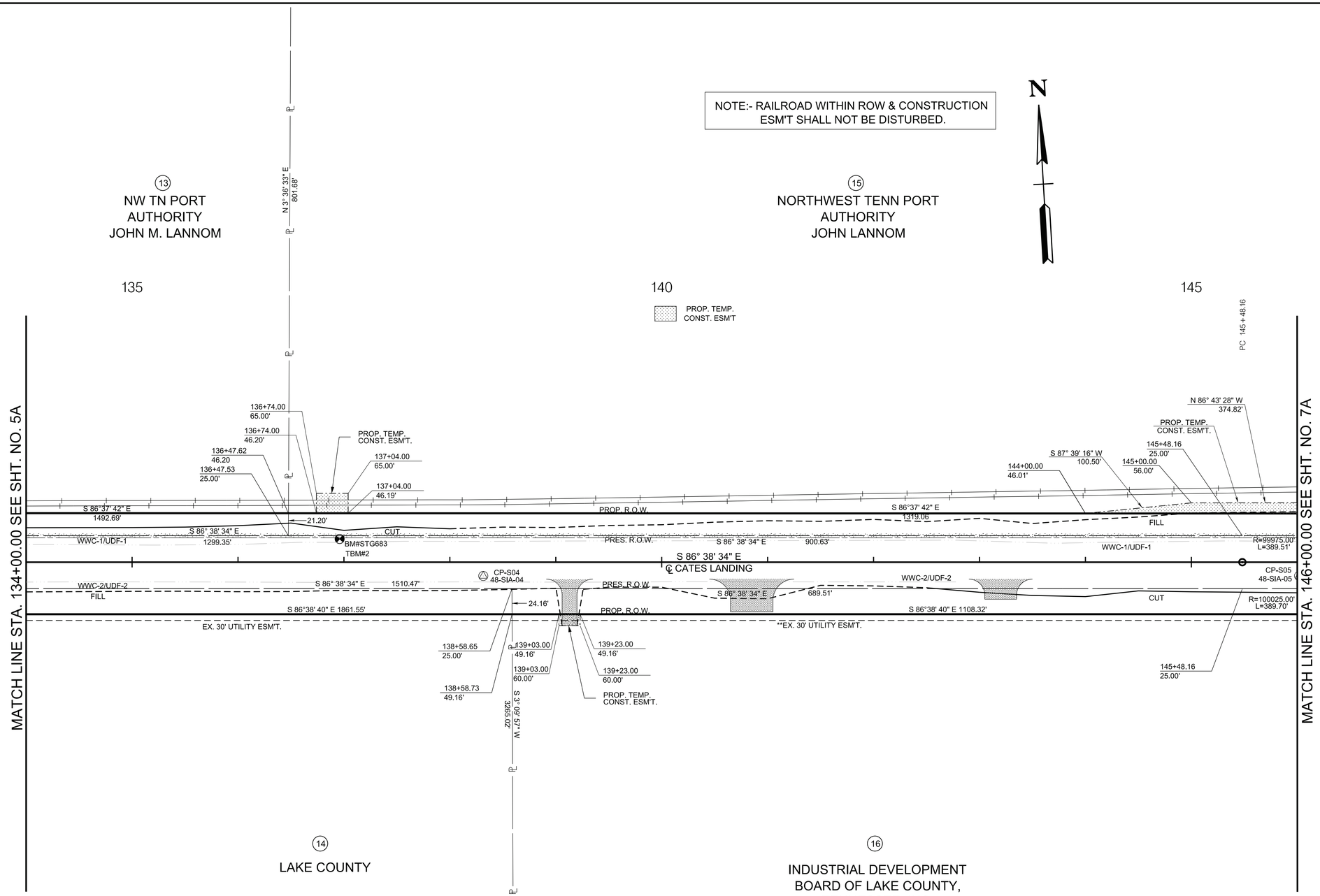
REV. 08-11-25: ADDED RAILROAD. REVISED LEFT SLOPE LINE MATCH LINE TO MATCH LINE. ADDED CONST. ESM'T FOR TR. 15.

NOTE:- RAILROAD WITHIN ROW & CONSTRUCTION ESM'T SHALL NOT BE DISTURBED.

N

(13)
NW TN PORT AUTHORITY
JOHN M. LANNOM

(15)
NORTHWEST TENN PORT AUTHORITY
JOHN LANNOM



(14)
LAKE COUNTY

(16)
INDUSTRIAL DEVELOPMENT BOARD OF LAKE COUNTY, TENNESSEE, INC.

UTILITY EASEMENT NOTES

TRACT#	BOOK#	PAGE#
14	66	636
16	67	711

POINT	NORTH	EAST	ELEVATION	STATION	OFFSET	FEATURE
S04	786233.1700	947731.6177	307.18'	138+31.52	13.01' RT	XCP=GPS 48-SIA-04
S05	786188.0821	948500.4570	309.17'	146+01.68	13.31' RT	XCP=GPS 48-SIA-05
STG683	786275.9752	947598.3120	308.30'	136+95.94	21.92' LT	XBM=TBM#2 BENCH TIE

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAIL

STA.134+00 TO STA.146+00
SCALE: 1"=50'

5/27/2026 11:11:26 AM
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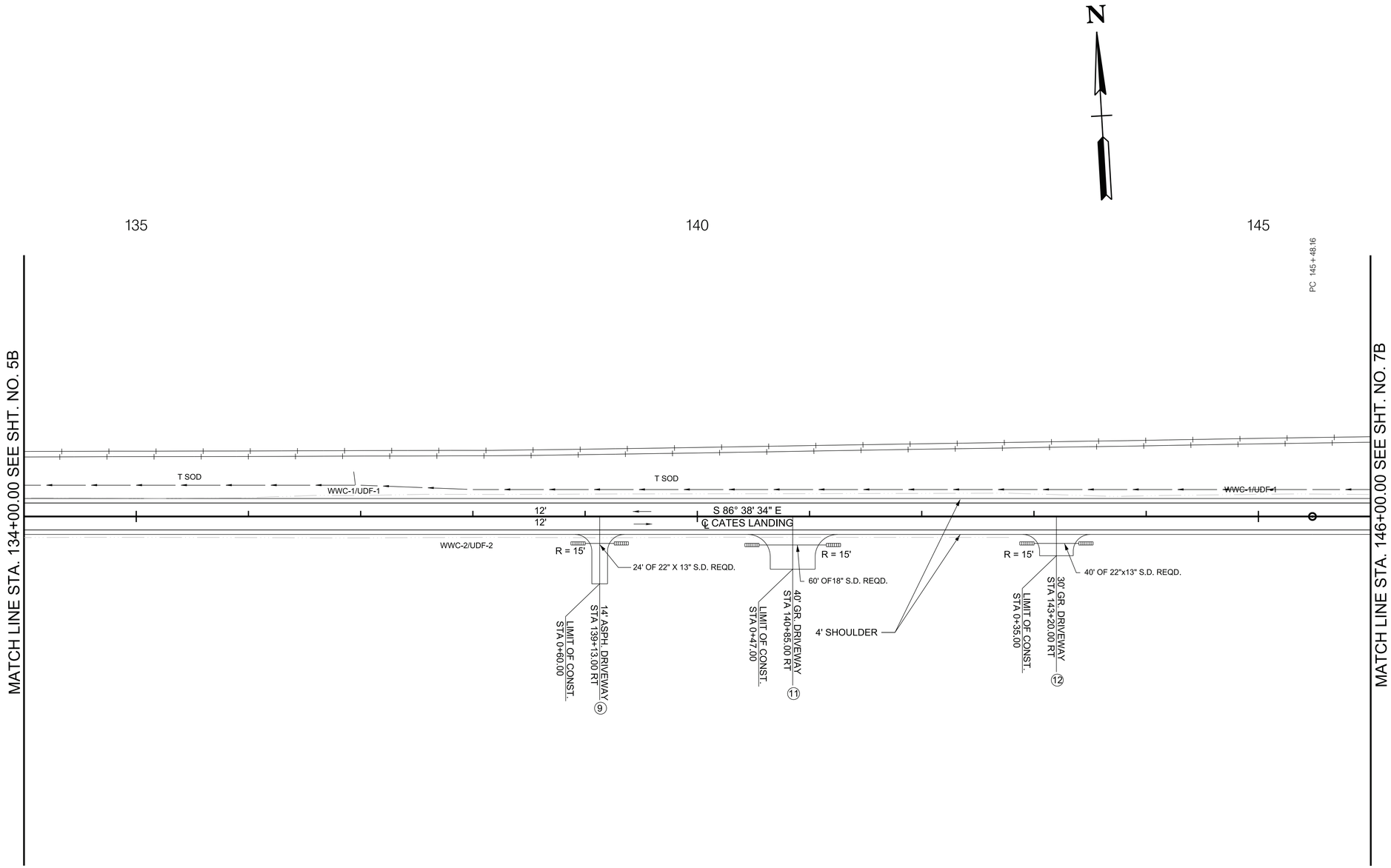
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	6B
P.I.H.	2025	48ACOU-S3-002	6B
P.S.&E.	2026	48ACOU-S3-002	6B

REV. 08-11-25: REVISED LT. SPEC. DITCH AND ADDED RAILROAD.



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA.134+00 TO STA.146+00
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	6C
P.I.H.	2025	48ACOU-S3-002	6C
P.S.&E.	2026	48ACOU-S3-002	6C

REV. 01-16-25: ADDED 6" GAS LINE PER PLAN.
REV. 08-11-25: REVISED LT. SPEC. DITCH.

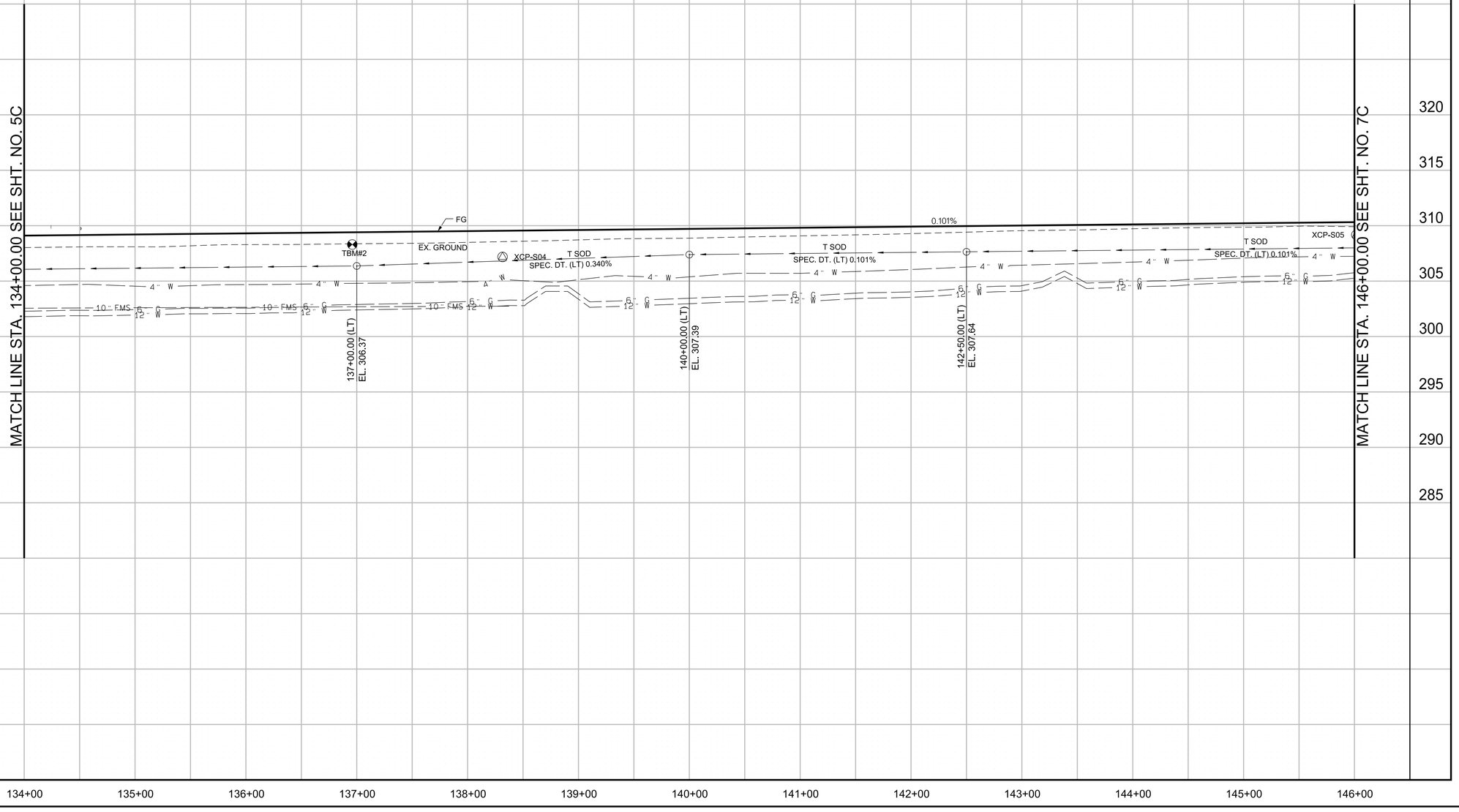
TBM#2
STA. 136+95.94
N 786275.9752
E 947598.3120
ELEV 308.30'
BENCH TIE SET IN UTILITY POLE

XCP-S04
STA. 138+31.52
N 786233.1700
E 947731.6177
ELEV 307.18
ALUM. DISK STAMPED 48-SIA-04

XCP-S05
STA. 146+01.68
N 786188.0821
E 948500.4570
ELEV 309.17
ALUM. DISK STAMPED 48-SIA-05

NOTE: THE FOLLOWING UTILITIES LINES WERE SHOWN PER PLANS. IT IS NOT FIELD LOCATED OR NOT CONSTRUCTED DURING SURVEY.

6" G



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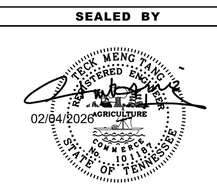

02/04/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.134+00 TO STA.146+00

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	7
P.I.H.	2025	48ACOU-S3-002	7
P.S&E.	2026	48ACOU-S3-002	7

REV. 05-08-24: REVISED OWNER FOR TRACT 18.
REV. 01-16-25: ADDED 6" GAS LINE PER PLAN & TIPTONVILLE CITY LIMITS.
REV. 08-11-25: ADDED RAILROAD. REVISED LEFT SLOPE LINE MATCH LINE TO STA. 156+00.00. ADDED PROP. D/W & CONST. ESM'T FOR TR. 15.

CURVE DC5
PI 147+42.96
N 786,192.7777
E 948,642.2499
Δ 0° 13' 24" (LT)
D 0° 03' 26"
R 100,000.00
L 389.60
T 194.80
SE NC
DESIGN SPEED 60 MPH

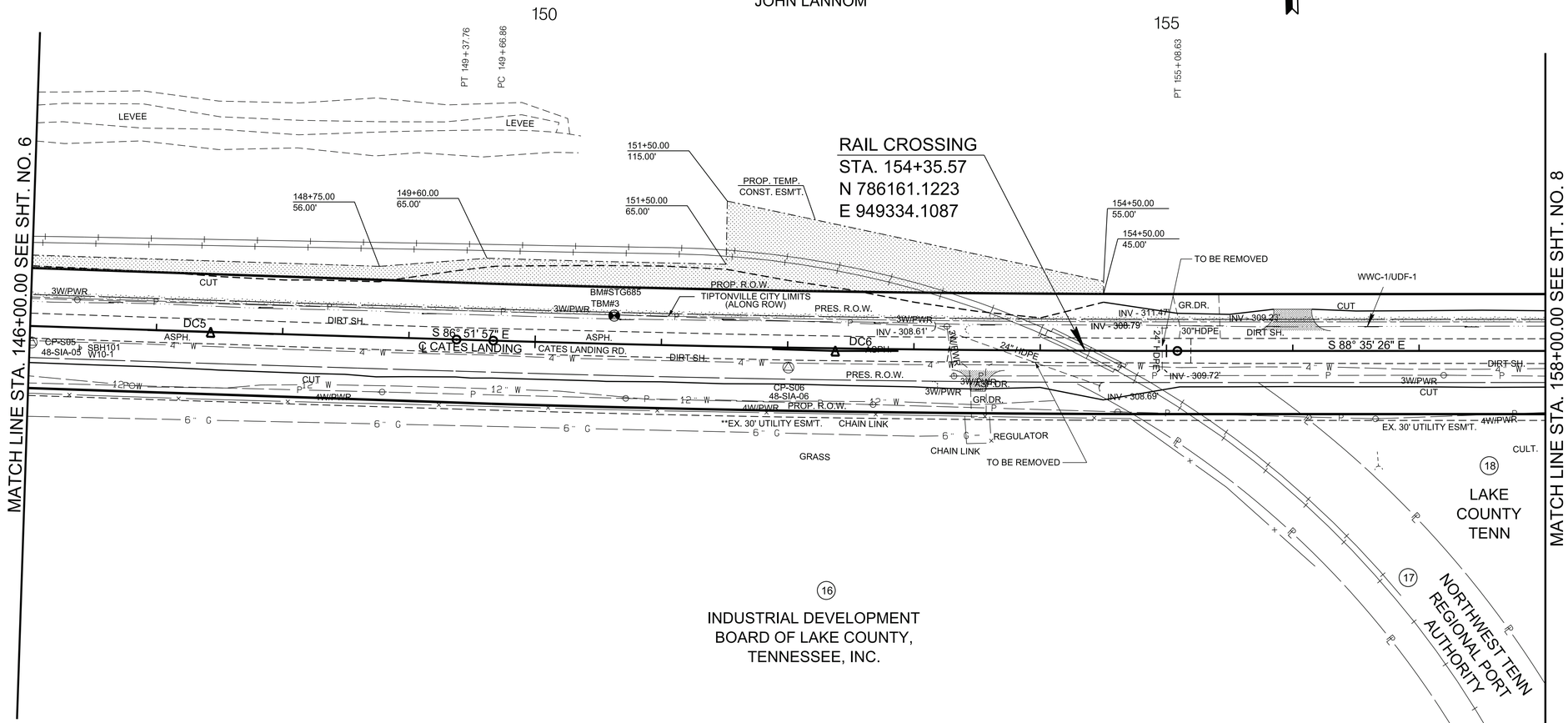
NOTE:- RAILROAD WITHIN ROW & CONSTRUCTION ESM'T SHALL NOT BE DISTURBED.

CURVE DC6
PI 152+37.77
N 786,165.7254
E 949,136.3200
Δ 1° 43' 28" (LT)
D 0° 19' 06"
R 18,000.00
L 541.77
T 270.91
SE NC
DESIGN SPEED 60 MPH

EX. DRIVEWAYS PIPES TO BE REMOVED

N

(15)
NORTHWEST TENN PORT AUTHORITY
JOHN LANNOM



(16)
INDUSTRIAL DEVELOPMENT BOARD OF LAKE COUNTY, TENNESSEE, INC.

(18)
LAKE COUNTY TENN

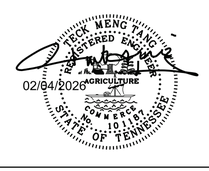
(17)
NORTHWEST TENN REGIONAL PORT AUTHORITY

UTILITY EASEMENT NOTES		
TRACT#	BOOK#	PAGE#
16	67	711

EX. 30' UTILITY ESM'T. FOR TR. 17 & 18 SHOWN PER PLAN AND IS NOT RECORDED AS OF THE DATE OF THE PLANS.

POINT	NORTH	EAST	ELEVATION	STATION	OFFSET	FEATURE
S05	786188.0821	948500.4570	309.17'	146+01.68	13.31' RT	XCP=GPS 48-SIA-05
S06	786153.5074	949098.8869	311.09'	152+00.86	15.77' RT	XCP=GPS 48-SIA-06
STG685	786197.9418	948962.0687	310.80'	150+62.14	22.39' LT	XBM=TBM#3 BENCH TIE

SEALED BY



COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA.146+00 TO STA.158+00
SCALE: 1"=50'

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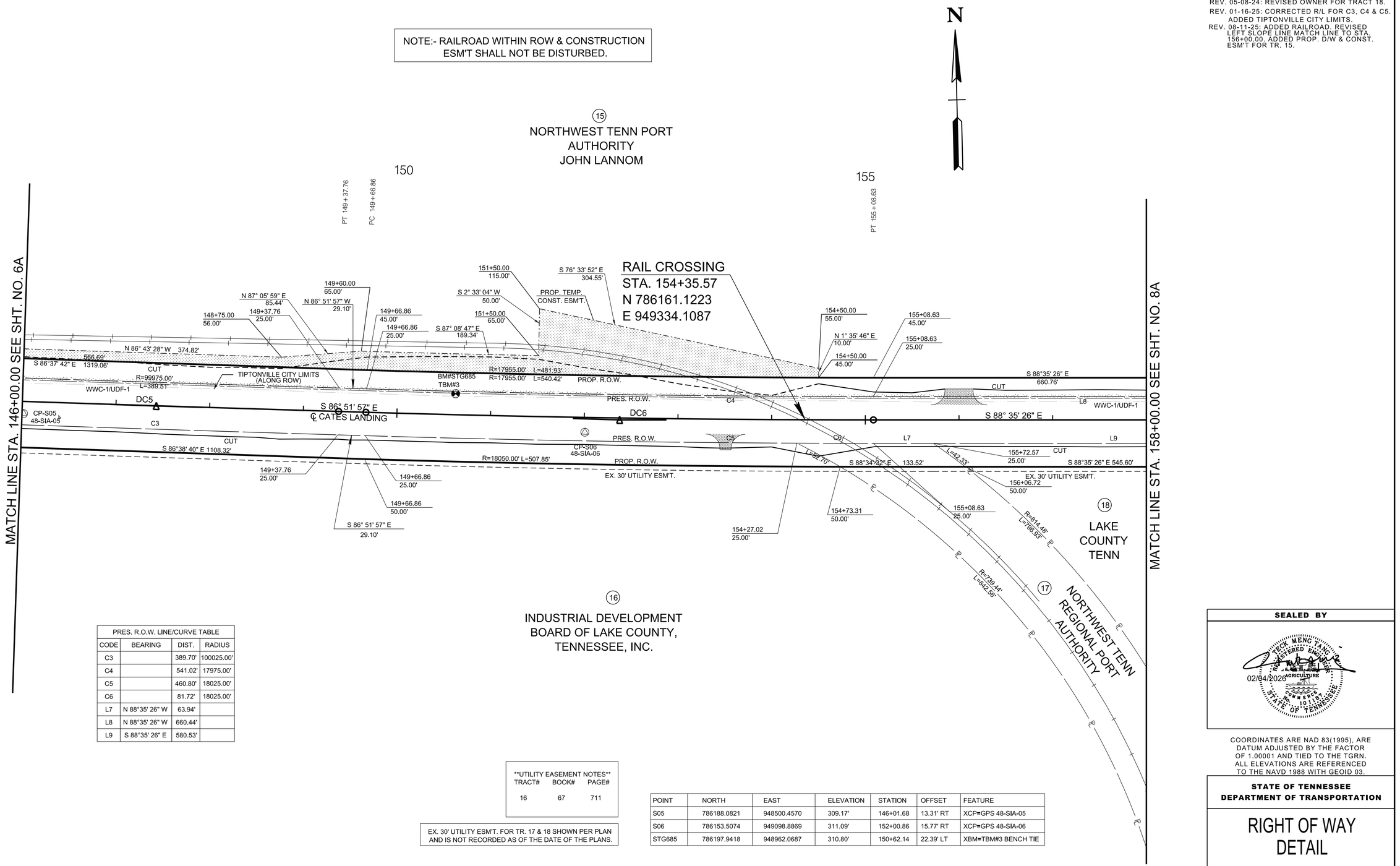
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	7A
P.I.H.	2025	48ACOU-S3-002	7A
P.S.&E.	2026	48ACOU-S3-002	7A

REV. 05-08-24: REVISED OWNER FOR TRACT 18.
REV. 01-16-25: CORRECTED R/L FOR C3, C4 & C5. ADDED TIPTONVILLE CITY LIMITS.
REV. 08-11-25: ADDED RAILROAD. REVISED LEFT SLOPE LINE MATCH LINE TO STA. 156+00.00. ADDED PROP. D/W & CONST. ESM'T FOR TR. 15.

NOTE:- RAILROAD WITHIN ROW & CONSTRUCTION ESM'T SHALL NOT BE DISTURBED.



PRES. R.O.W. LINE/CURVE TABLE			
CODE	BEARING	DIST.	RADIUS
C3		389.70'	100025.00'
C4		541.02'	17975.00'
C5		460.80'	18025.00'
C6		81.72'	18025.00'
L7	N 88°35' 26" W	63.94'	
L8	N 88°35' 26" W	660.44'	
L9	S 88°35' 26" E	580.53'	

UTILITY EASEMENT NOTES		
TRACT#	BOOK#	PAGE#
16	67	711

EX. 30' UTILITY ESM'T. FOR TR. 17 & 18 SHOWN PER PLAN AND IS NOT RECORDED AS OF THE DATE OF THE PLANS.

POINT	NORTH	EAST	ELEVATION	STATION	OFFSET	FEATURE
S05	786188.0821	948500.4570	309.17'	146+01.68	13.31' RT	XCP=GPS 48-SIA-05
S06	786153.5074	949098.8869	311.09'	152+00.86	15.77' RT	XCP=GPS 48-SIA-06
STG685	786197.9418	948962.0687	310.80'	150+62.14	22.39' LT	XBM=TBM#3 BENCH TIE

SEALED BY

02/04/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAIL

STA.146+00 TO STA.158+00
SCALE: 1"=50'

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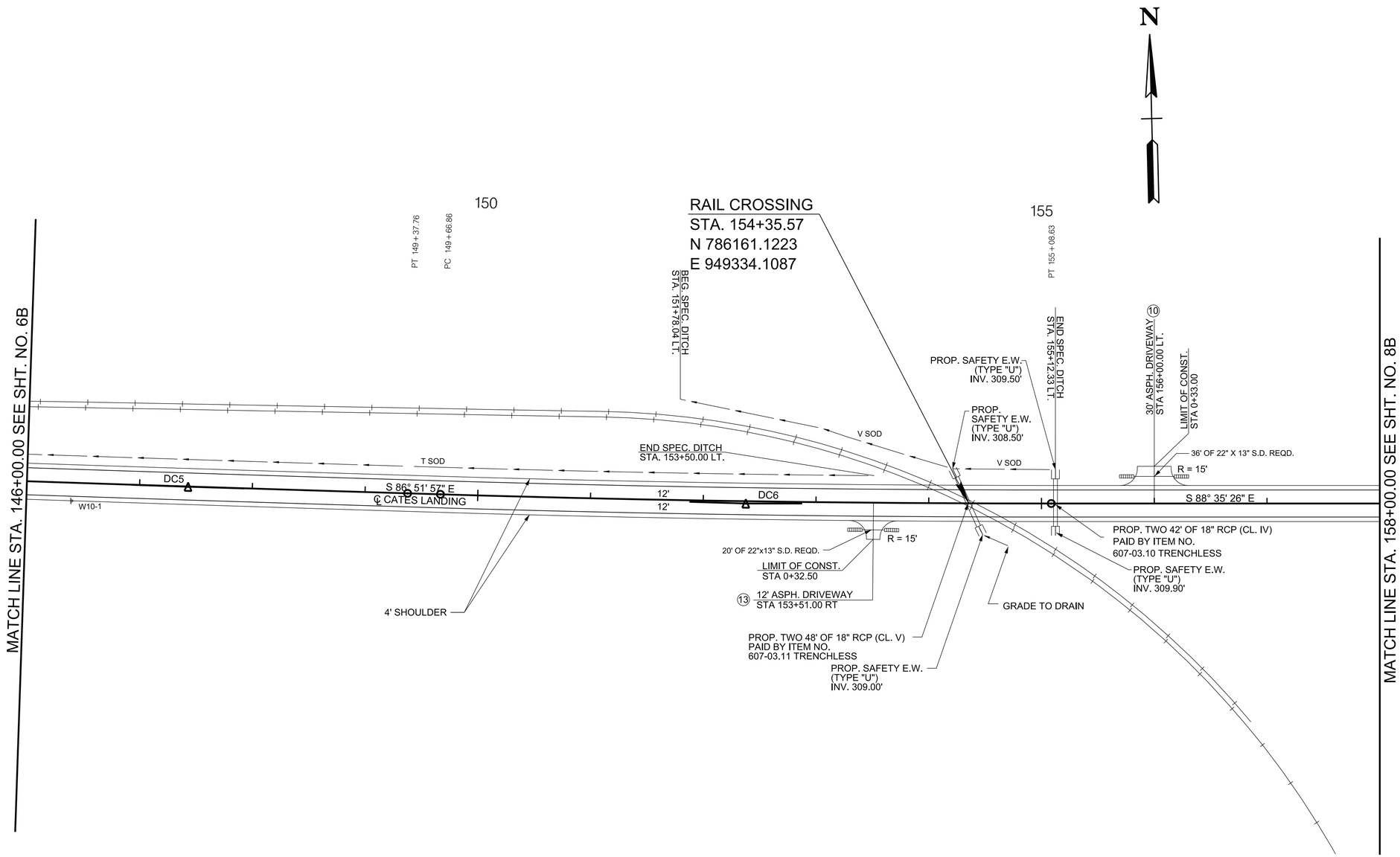
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	7B
P.I.H.	2025	48ACOU-S3-002	7B
P.S.&E.	2026	48ACOU-S3-002	7B

REV. 08-11-25: ADDED CROSS DRAINS FOR RAILROAD. REVISED SPEC. DITCH LT. ADDED D/W #10.



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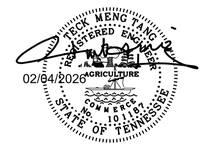

02/04/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA.146+00 TO STA.158+00
SCALE: 1"=50'

5/27/2026 11:11:29 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	7C
P.I.H.	2025	48ACOU-S3-002	7C
P.S.&E.	2026	48ACOU-S3-002	7C

REV. 01-16-25: ADDED 6" GAS LINE PER PLAN.
REV. 08-11-25: REVISED EX. GROUND NEAR RAILROADS CROSSING. ADDED SPECIAL DITCH NEAR RAILROAD CROSSING

XCP-S05
STA. 146+01.68
N 786188.0821
E 948500.4570
ELEV 309.17
ALUM. DISK STAMPED 48-SIA-05

TBM#3
STA. 150+62.14
N 786197.9418
E 948962.0687
ELEV 310.80'
BENCH TIE SET IN UTILITY POLE

XCP-S06
STA. 152+00.86
N 786153.5074
E 949098.8869
ELEV 311.09'
ALUM. DISK STAMPED 48-SIA-06

NOTE: THE FOLLOWING UTILITIES LINES WERE SHOWN PER PLANS. IT IS NOT FIELD LOCATED OR NOT CONSTRUCTED DURING SURVEY.

6" C

OH WIRE
STA. 153+28.65
LOW WIRE EL. 338.98'
TEMP. 90 DEG.
2W/PWR

VC = 50'
K = 158

RAIL CROSSING
STA. 154+35.57
N 786161.1223
E 949334.1087

MATCH LINE STA. 146+00.00 SEE SHT. NO. 6C

MATCH LINE STA. 158+00.00 SEE SHT. NO. 8C

VPC 148+25.00
EL. 310.54

VPT 148+75.00
EL. 310.67

0.101%

0.417%

0.417%

FG
EX. GROUND

TBM#3
T SOD

XCP-S05

XCP-S06

SPEC. DT. (LT) 0.417%

V SOD

SPEC. DT. (LT) 0.060%

EXIST. 24" HDPE

V SOD

SPEC. DT. (LT) 1.100%

EXIST. 24" HDPE

4" W

6" C

12" W

142+25.00 (LT)
EL. 308.22

VPI 148+50.00
EL. 310.57

148+75.00 (LT)
EL. 308.35

BEG. 151+78.04 (LT)
EL. 308.35

END 153+50.00 (LT)
EL. 310.33

STA. 154+21.28 (LT)
EL. 308.50

PROP TWO 18" RCP
INV. EL. 309.70

PROP TWO 18" RCP
INV. EL. 309.70

END 155+12.33 (LT)
EL. 309.50

320
315
310
305
300
295
290
285

146+00 147+00 148+00 149+00 150+00 151+00 152+00 153+00 154+00 155+00 156+00 157+00 158+00

PIPE CULVERT
STATION: 154+35.15
STRUCTURE: PROP. TWO 48' OF 18" RCP

SKEW	65 RT	DEG.
DRAINAGE AREA	1.650	AC.
DESIGN DISCHARGE (Q50)	6.28	CFS
DESIGN DISCHARGE (Q100)	6.92	CFS
Q50 HEADWATER	N/A	ELEV.
Q100 HEADWATER	N/A	ELEV.
VELOCITY (Q50)	2.00	FT/S
VELOCITY (Q100)	2.20	FT/S

END WALLS REQUIRED: TYPE U

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

PIPE CULVERT
STATION: 155+12.33
STRUCTURE: PROP. TWO 42' OF 18" RCP

SKEW	90	DEG.
DRAINAGE AREA	9.630	AC.
DESIGN DISCHARGE (Q50)	9.90	CFS
DESIGN DISCHARGE (Q100)	11.13	CFS
Q50 HEADWATER	N/A	ELEV.
Q100 HEADWATER	N/A	ELEV.
VELOCITY (Q50)	3.15	FT/S
VELOCITY (Q100)	3.54	FT/S

END WALLS REQUIRED: TYPE U

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

SEALED BY

CHECK MENG TANG
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
02/04/2026
POWERED BY 10117
STATE OF TENNESSEE

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.146+00 TO STA.158+00

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	8
P.I.H.	2025	48ACOU-S3-002	8
P.S.&E.	2026	48ACOU-S3-002	8

REV. 05-08-24: REVISED OWNER FOR TRACT 18.
REV. 01-16-25: ADDED TIPTONVILLE CITY LIMITS.

N

15
NORTHWEST TENN PORT AUTHORITY
JOHN LANNOM

19
HOWARD M VAUGHN JR.

20
PIERCE FARM TRUST
ERNIES PIERCE JR. &
SHIRLEY PIERCE TRUSTEES

160

165

CURVE DC7
PI 166+64.98
N 786,130.6171
E 950,563.1404
Δ 0° 09' 09" (LT)
D 0° 22' 54"
R 15,010.96
L 39.98
T 19.99
SE NC
DESIGN SPEED 60 MPH

PC 166+44.99
PT 166+84.97
POT 169+04.97

MATCH LINE STA. 158+00.00 SEE SHT. NO. 7

PROP. TEMP. CONST. ESM'T

IDLE
WWC-1/UDF-1
PROP. R.O.W.
CUT
TIPTONVILLE CITY LIMITS (ALONG ROW)
ASPH.
CATES LANDING RD.
4"WATER
PROP. R.O.W.
W/PWR
EX. 30' UTILITY ESM'T.
TREES
2W/PWR
GR.DR.
DIRT SH
S 88° 35' 26" E
℄ CATES LANDING
GR.DR.
3W/PWR
CUT
4W/PWR
TEL. PED.
W.M.
SBH248
W10-1
ASPH.
4"WATER
GRASS
SHED
GR.DR.
PRES. R.O.W.
CONC. PAD
DIRT
2W/PWR
GR.DR.
SILO
GRASS
W.M.
TEL. PED.
DC7
S 88° 44' 35" E
DIRT SH.
TO SR 78
ASPH.
4"WATER
DIRT SH.
PRES. R.O.W.
3W/PWR
4"WATER
3W/PWR

161+10.50
50.00'
161+10.50
70.00'
PROP. TEMP. CONST. ESM'T.
161+51.70
70.00'
163+15.00
50.00'
CULT.
PROP. TEMP. CONST. ESM'T.
164+65.00
25.00'
CULT.

TIPTONVILLE CITY LIMITS (ALONG PROPERTY LINE)

END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

17
NORTHWEST TENN REGIONAL PORT AUTHORITY

18
LAKE COUNTY TENN

21
ALBERT E. MARKHAM III

EX. 30' UTILITY ESM'T. FOR TR. 17, 18 & 21 SHOWN PER PLAN AND IS NOT RECORDED AS OF THE DATE OF THE PLANS.

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA.158+00 TO STA. 164+65
SCALE: 1"=50'

5/27/2026 11:11:31 AM
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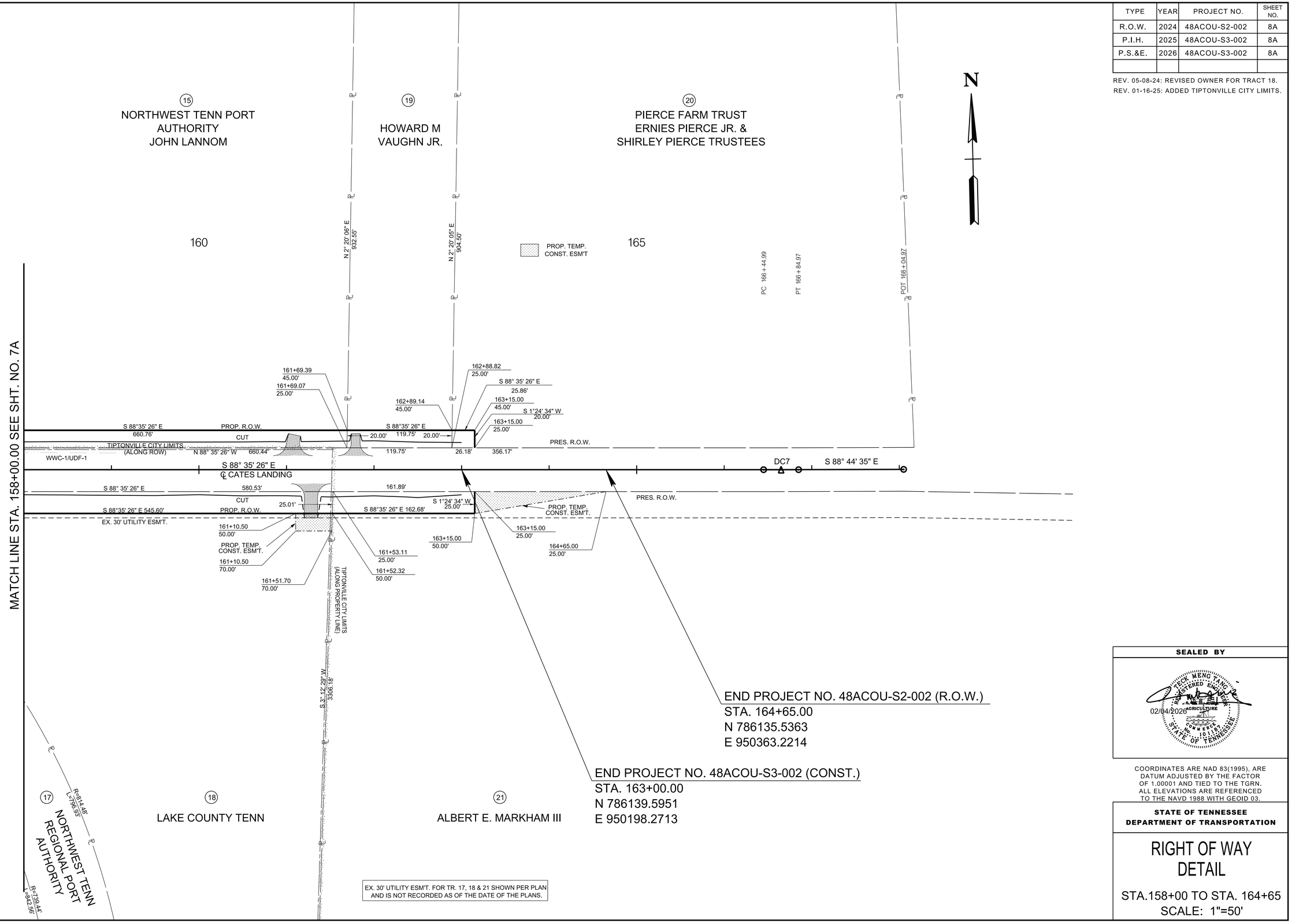
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	8A
P.I.H.	2025	48ACOU-S3-002	8A
P.S.&E.	2026	48ACOU-S3-002	8A

REV. 05-08-24: REVISED OWNER FOR TRACT 18.
REV. 01-16-25: ADDED TIPTONVILLE CITY LIMITS.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY DETAIL

STA.158+00 TO STA. 164+65
SCALE: 1"=50'

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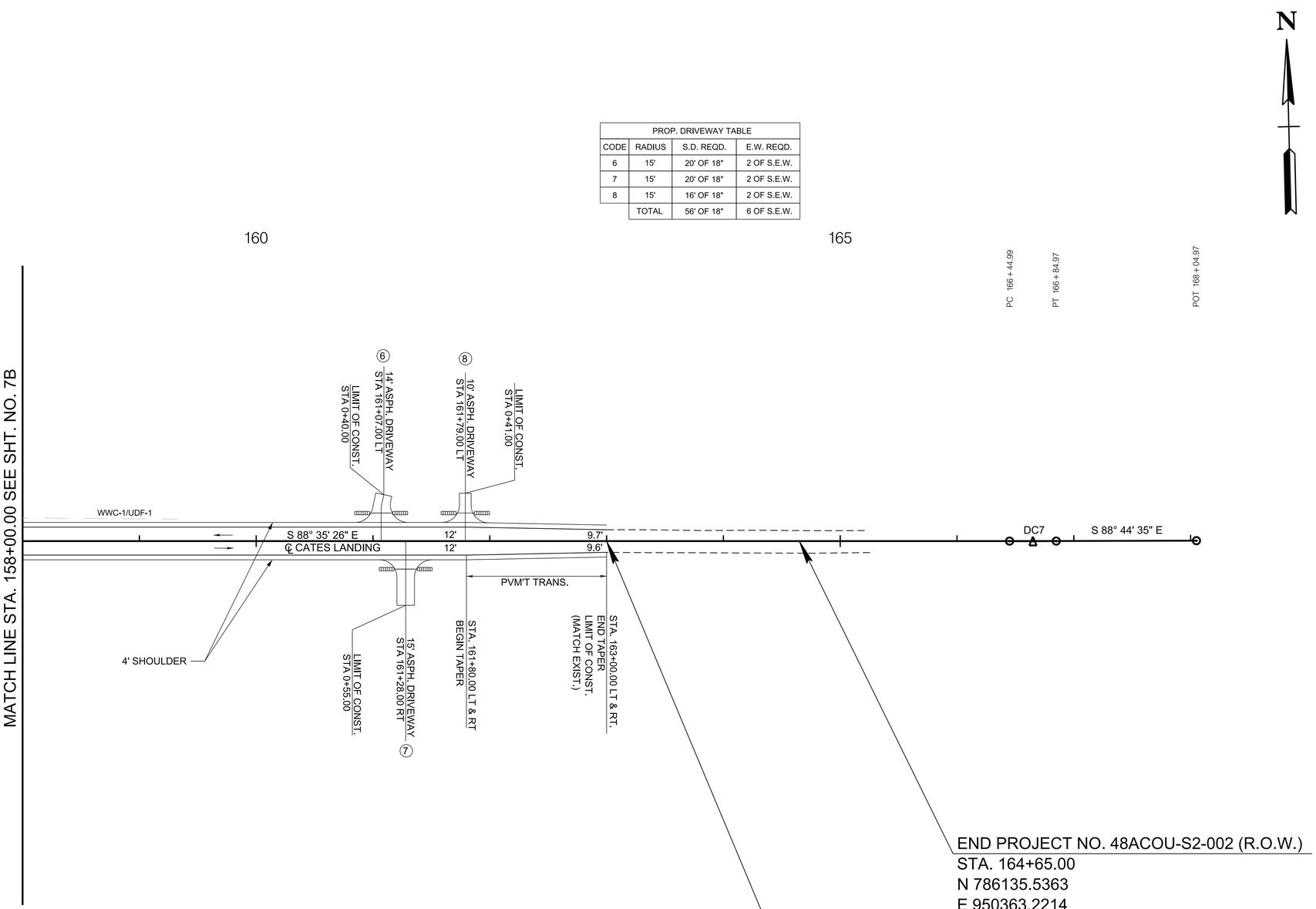
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	8B
P.I.H.	2025	48ACOU-S3-002	8B
P.S.&E.	2026	48ACOU-S3-002	8B

PROP. DRIVEWAY TABLE			
CODE	RADIUS	S.D. REQD.	E.W. REQD.
6	15'	20' OF 18"	2 OF S.E.W.
7	15'	20' OF 18"	2 OF S.E.W.
8	15'	16' OF 18"	2 OF S.E.W.
	TOTAL	56' OF 18"	6 OF S.E.W.



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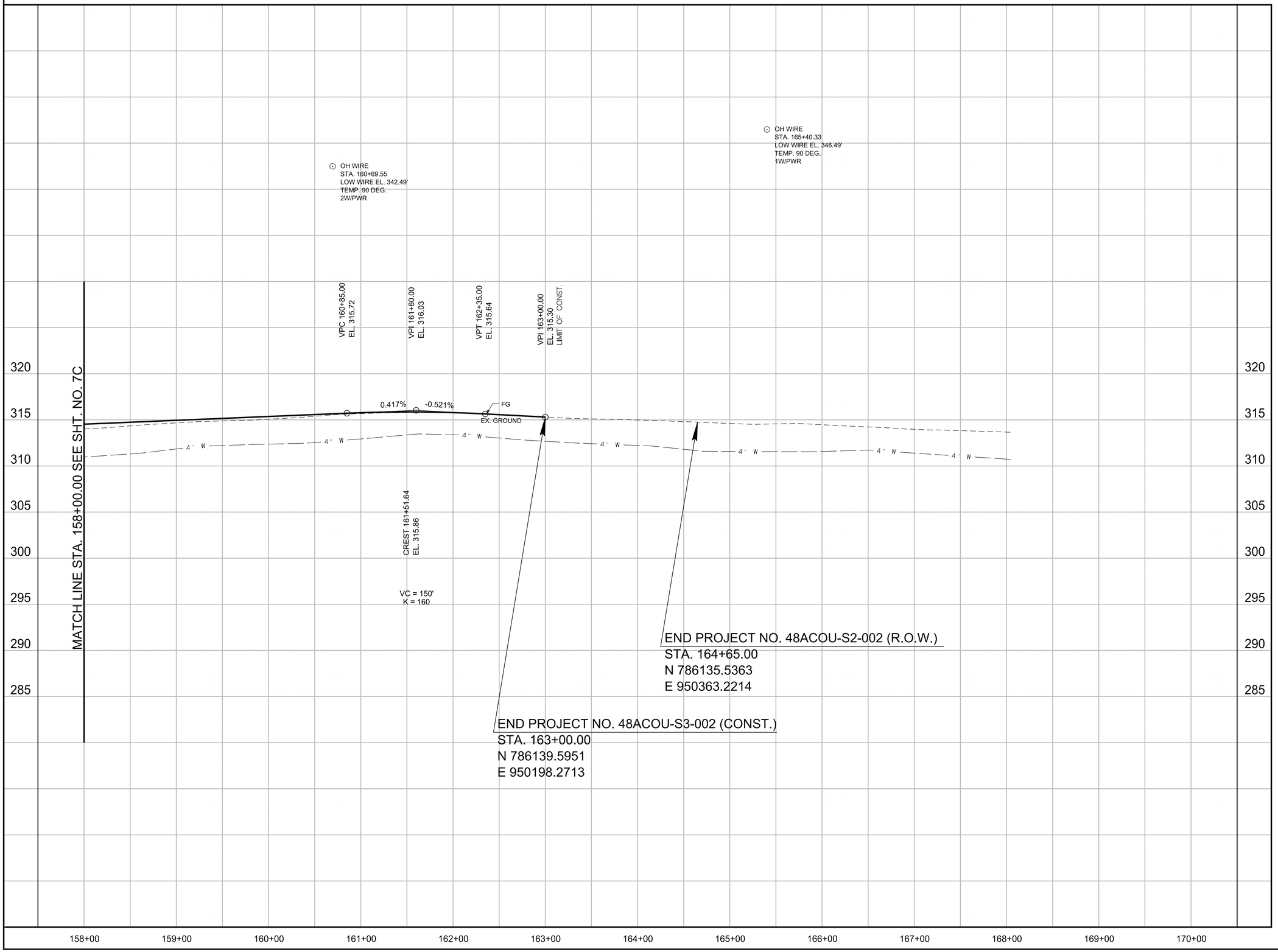
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA.158+00 TO STA. 164+65
SCALE: 1"=50'

5/27/2026 11:11:32 AM
P:\0000_0100\0078250050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\008B Proposed.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	8C
P.I.H.	2025	48ACOU-S3-002	8C
P.S.&E.	2026	48ACOU-S3-002	8C



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA.158+00 TO STA. 164+65

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

5/27/2026 11:11:33 AM
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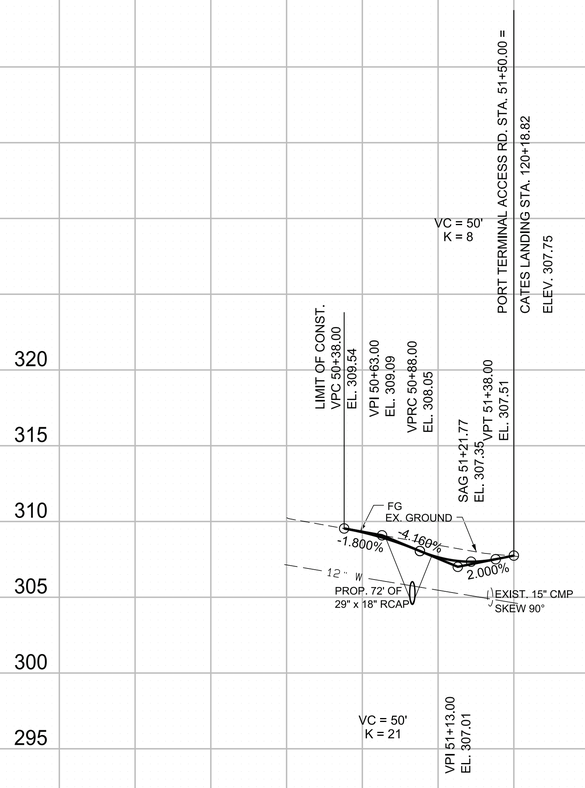
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	9
P.I.H.	2025	48ACOU-S3-002	9
P.S.&E.	2026	48ACOU-S3-002	9

PIPE CULVERT
STATION: 50+83.00
STRUCTURE: PROP. 72' OF 29" x 18" RCAP

SKEW	**90**	**DEG.**
DRAINAGE AREA	**14.694**	**AC.**
DESIGN DISCHARGE (Q50)	**15.16**	**CFS**
DESIGN DISCHARGE (Q100)	**17.60**	**CFS**
Q50 HEADWATER	**306.68**	**ELEV.**
Q100 HEADWATER	**306.82**	**ELEV.**
VELOCITY (Q50)	**4.82**	**FT/S**
VELOCITY (Q100)	**5.60**	**FT/S**

END WALLS REQUIRED: ST

STANDARD DRAWING NOS.: D-PO-1 & D-PE-5



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COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILE

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

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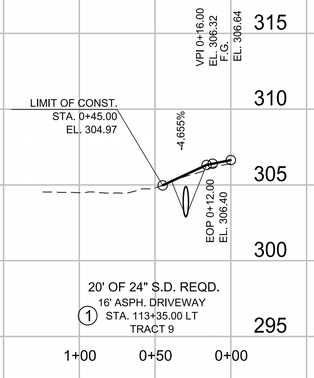
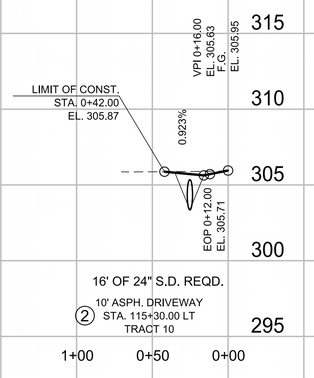
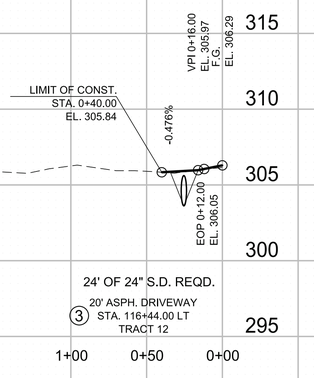
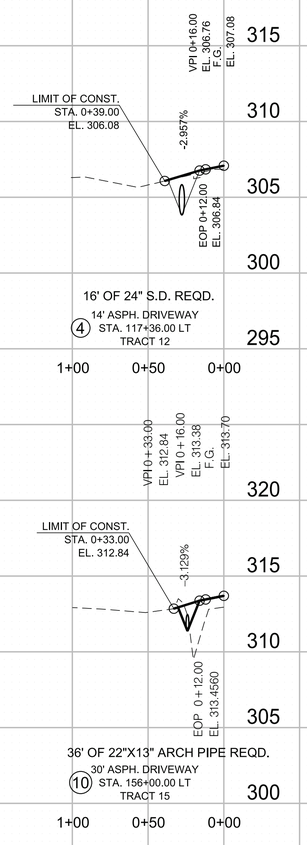
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	10
P.I.H.	2025	48ACOU-S3-002	10
P.S.&E.	2026	48ACOU-S3-002	10

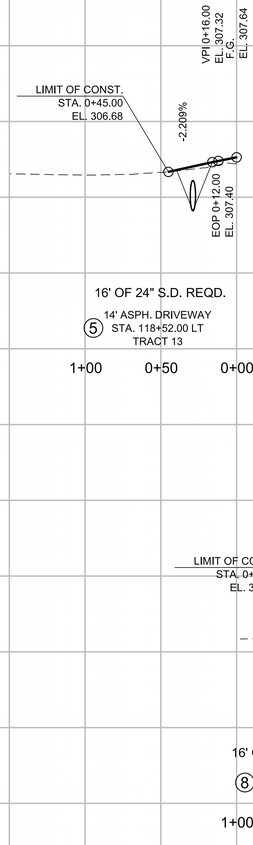
REV. 08-11-25: ADDED D/W # 10.

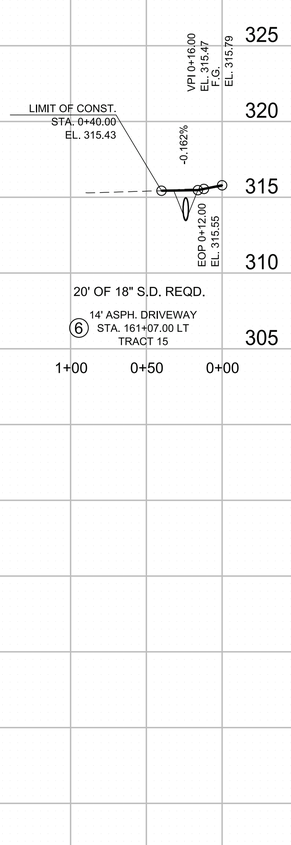


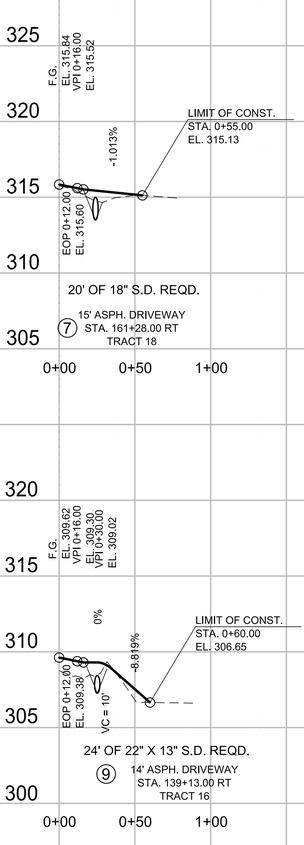


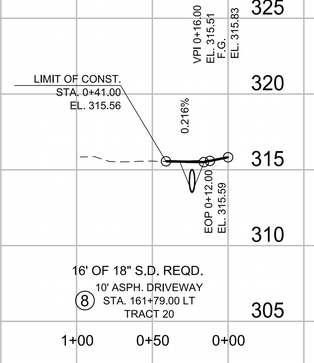












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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILE

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

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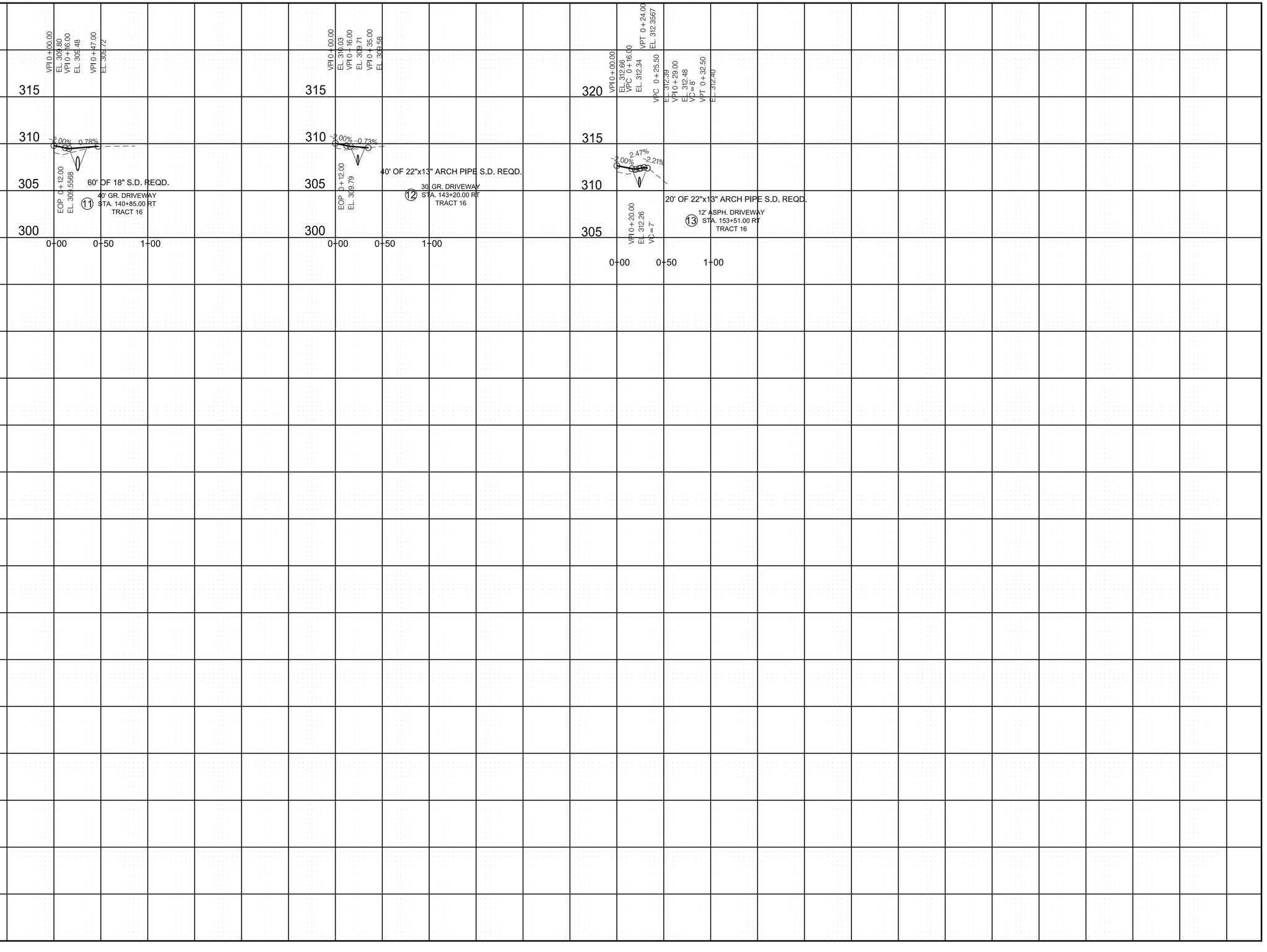
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	48ACOU-S3-002	10A
P.S.&E.	2026	48ACOU-S3-002	10A



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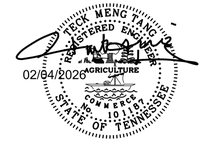

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILE

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	11
P.I.H.	2025	48ACOU-S3-002	11
P.S.&E.	2026	48ACOU-S3-002	11

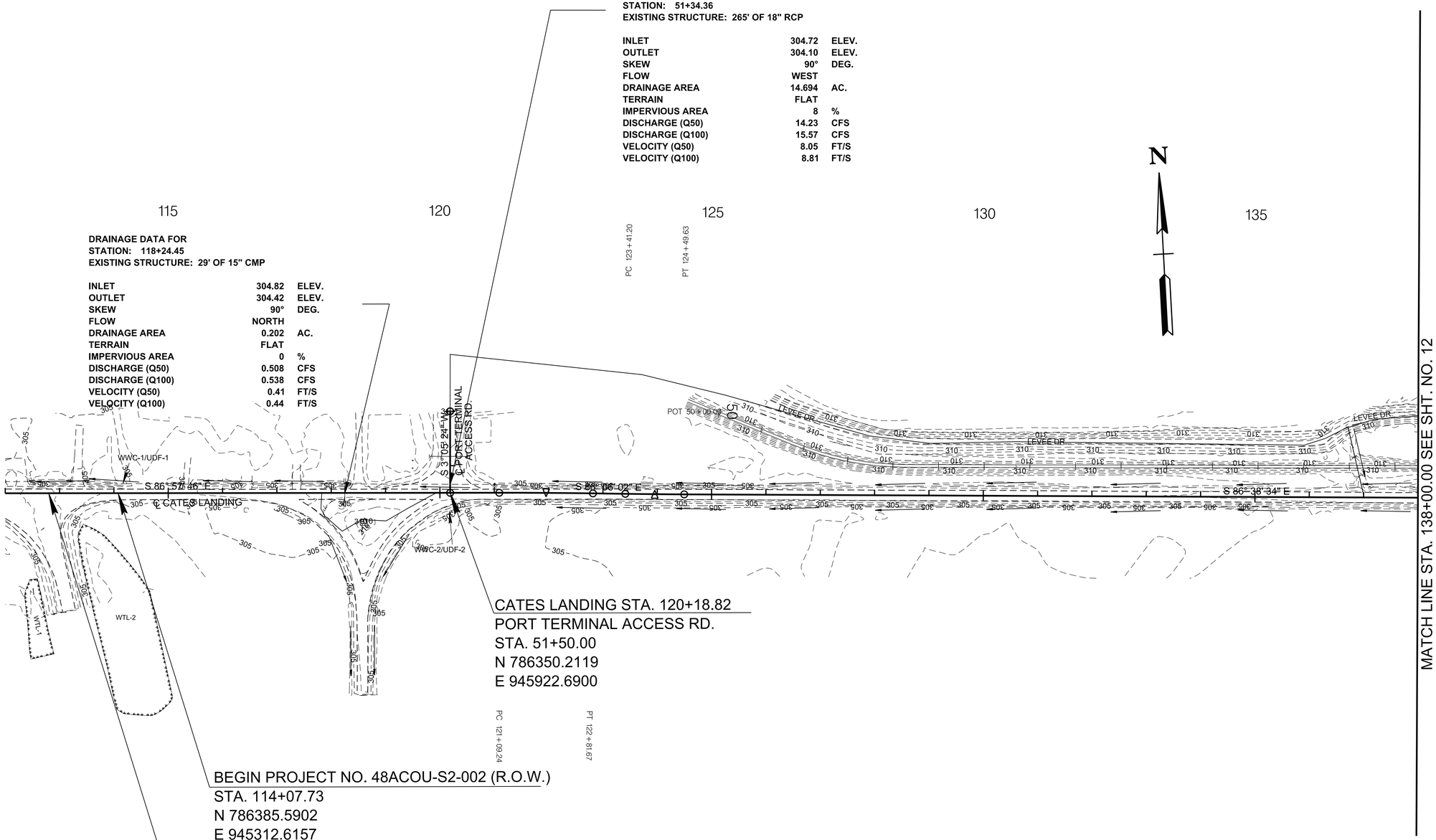
REV. 08-11-25: ADDED & REVISED EX. DTM ALONG RAILROAD.

DRAINAGE DATA FOR
STATION: 118+24.45
EXISTING STRUCTURE: 29' OF 15" CMP

INLET	304.82	ELEV.
OUTLET	304.42	ELEV.
SKEW	90°	DEG.
FLOW	NORTH	
DRAINAGE AREA	0.202	AC.
TERRAIN	FLAT	
IMPERVIOUS AREA	0	%
DISCHARGE (Q50)	0.508	CFS
DISCHARGE (Q100)	0.538	CFS
VELOCITY (Q50)	0.41	FT/S
VELOCITY (Q100)	0.44	FT/S

DRAINAGE DATA FOR
STATION: 51+34.36
EXISTING STRUCTURE: 265' OF 18" RCP

INLET	304.72	ELEV.
OUTLET	304.10	ELEV.
SKEW	90°	DEG.
FLOW	WEST	
DRAINAGE AREA	14.694	AC.
TERRAIN	FLAT	
IMPERVIOUS AREA	8	%
DISCHARGE (Q50)	14.23	CFS
DISCHARGE (Q100)	15.57	CFS
VELOCITY (Q50)	8.05	FT/S
VELOCITY (Q100)	8.81	FT/S



CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 112+80 TO STA.138+00
SCALE: 1"=100'

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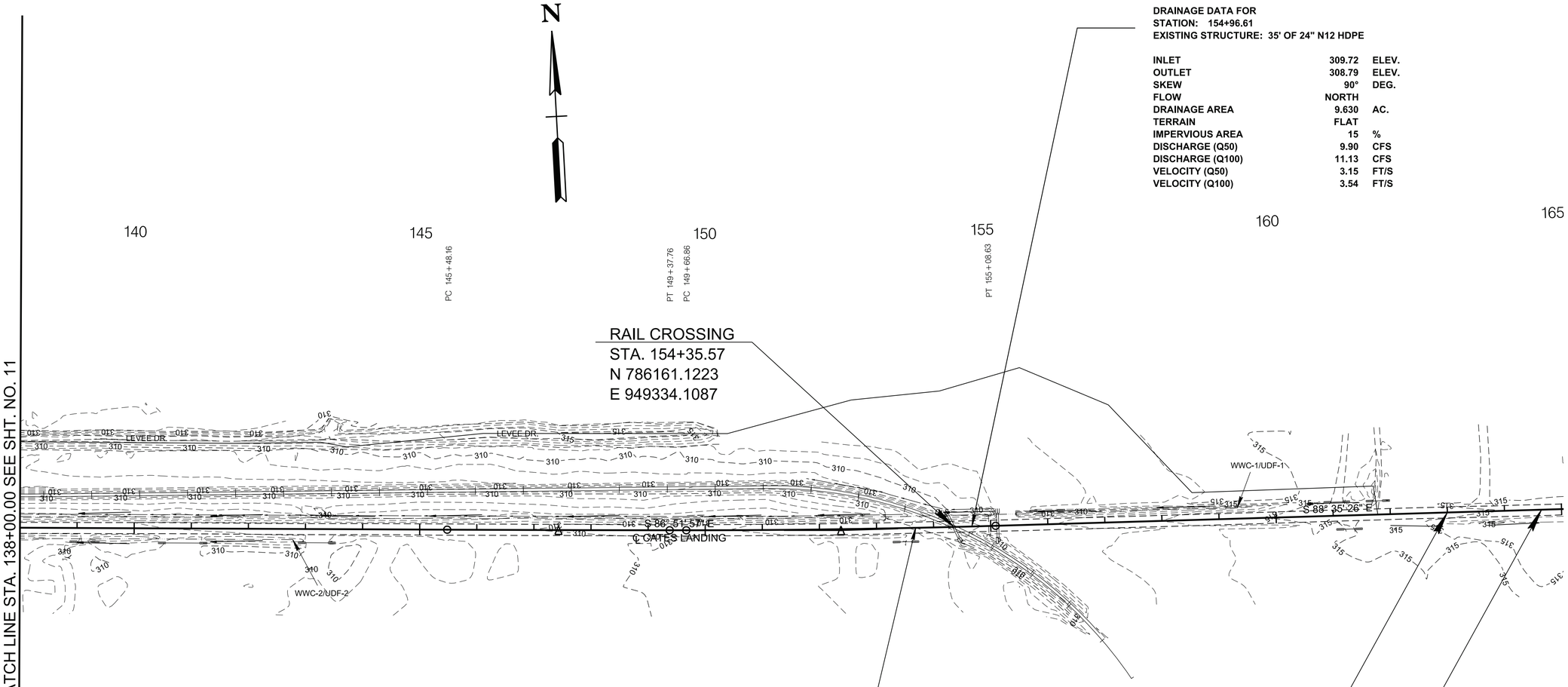
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	12
P.I.H.	2025	48ACOU-S3-002	12
P.S.&E.	2026	48ACOU-S3-002	12

REV. 08-11-25: ADDED & REVISED EX. DTM ALONG RAILROAD. ADDED EX. DRAINAGE DATA FOR STA. 153+68.71 & STA. 154+96.61.
REV. 05-29-26: REMOVED "BY OTHERS" FROM RAILROAD CROSSING



DRAINAGE DATA FOR
STATION: 154+96.61
EXISTING STRUCTURE: 35' OF 24" N12 HDPE

INLET	309.72	ELEV.
OUTLET	308.79	ELEV.
SKEW	90°	DEG.
FLOW	NORTH	
DRAINAGE AREA	9.630	AC.
TERRAIN	FLAT	
IMPERVIOUS AREA	15	%
DISCHARGE (Q50)	9.90	CFS
DISCHARGE (Q100)	11.13	CFS
VELOCITY (Q50)	3.15	FT/S
VELOCITY (Q100)	3.54	FT/S

DRAINAGE DATA FOR
STATION: 153+68.71
EXISTING STRUCTURE: 140' OF 24" N12 HDPE

INLET	308.69	ELEV.
OUTLET	308.61	ELEV.
SKEW	20°	DEG.
FLOW	NORTHWEST	
DRAINAGE AREA	1.650	AC.
TERRAIN	FLAT	
IMPERVIOUS AREA	0	%
DISCHARGE (Q50)	6.28	CFS
DISCHARGE (Q100)	6.92	CFS
VELOCITY (Q50)	2.00	FT/S
VELOCITY (Q100)	2.20	FT/S

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 138+00 TO STA. 164+65
SCALE: 1"=100'

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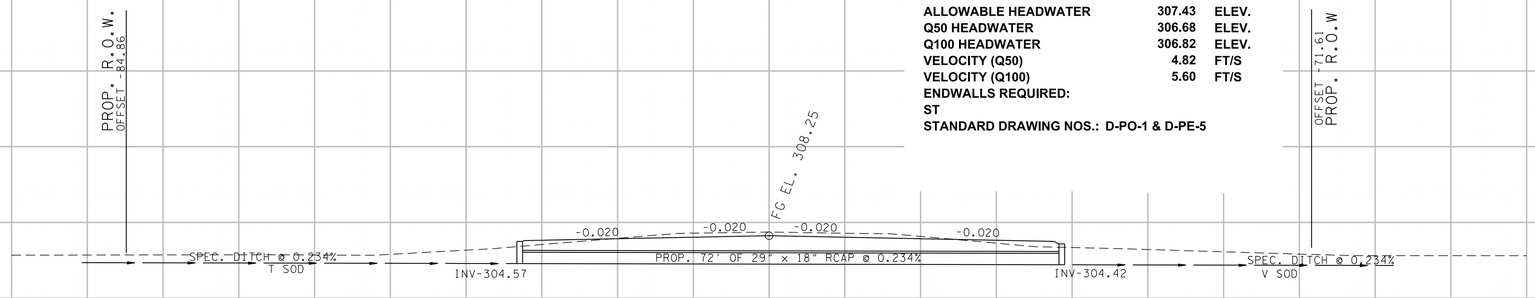
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	13
P.I.H.	2025	48ACOU-S3-002	13
P.S.&E.	2026	48ACOU-S3-002	13

PIPE CULVERT
STATION: 50+83.00
STRUCTURE: PROP. 72' OF 29"x18" RCAP

SKEW	90	DEG.
DRAINAGE AREA	14.694	AC.
DESIGN DISCHARGE (Q50)	15.16	CFS
DESIGN DISCHARGE (Q100)	17.60	CFS
OVERTOPPING	308.25	ELEV.
ALLOWABLE HEADWATER	307.43	ELEV.
Q50 HEADWATER	306.68	ELEV.
Q100 HEADWATER	306.82	ELEV.
VELOCITY (Q50)	4.82	FT/S
VELOCITY (Q100)	5.60	FT/S

ENDWALLS REQUIRED:
ST
STANDARD DRAWING NOS.: D-PO-1 & D-PE-5

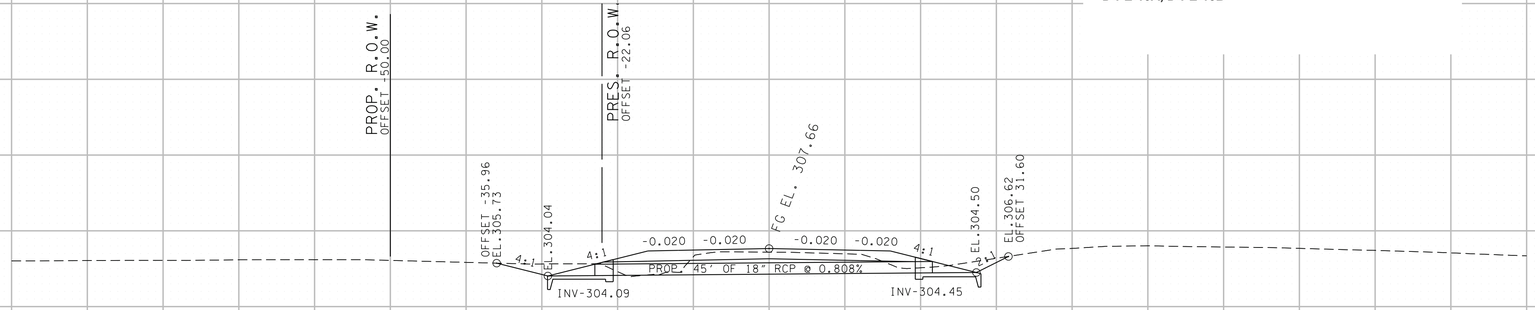


PORT TERMINAL
ACCESS RD.
STA. 50+83.00

PIPE CULVERT
STATION: 118+25.00
STRUCTURE: PROP. 45' OF 18" RCP

SKEW	90	DEG.
DRAINAGE AREA	0.202	AC.
DESIGN DISCHARGE (Q50)	0.508	CFS
DESIGN DISCHARGE (Q100)	0.538	CFS
OVERTOPPING	307.66	ELEV.
ALLOWABLE HEADWATER	307.34	ELEV.
Q50 HEADWATER	N/A	ELEV.
Q100 HEADWATER	N/A	ELEV.
VELOCITY (Q50)	0.29	FT/S
VELOCITY (Q100)	0.30	FT/S

ENDWALLS REQUIRED:
TYPE U
STANDARD DRAWING NOS.: D-PB-1
D-PE-18A, D-PE-18B



CATES LANDING RD.
STA. 118+25.00

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTION

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

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

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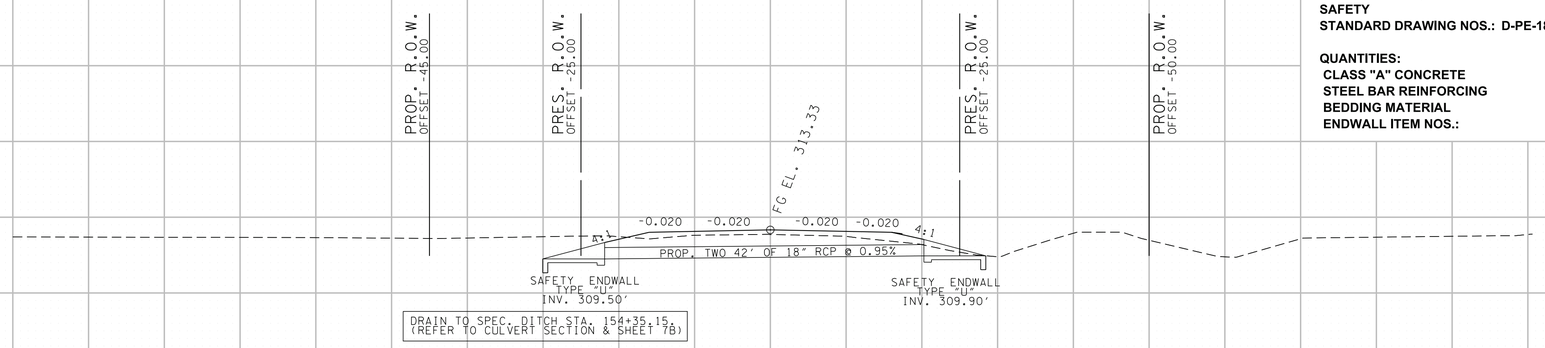
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	13A
P.I.H.	2025	48ACOU-S3-002	13A
P.S.&E.	2026	48ACOU-S3-002	13A

REV. 08-11-25: ADDED SHEET 13A.



PIPE CULVERT
STATION: 155+12.33
STRUCTURE: TWO 42' OF 18" RCP

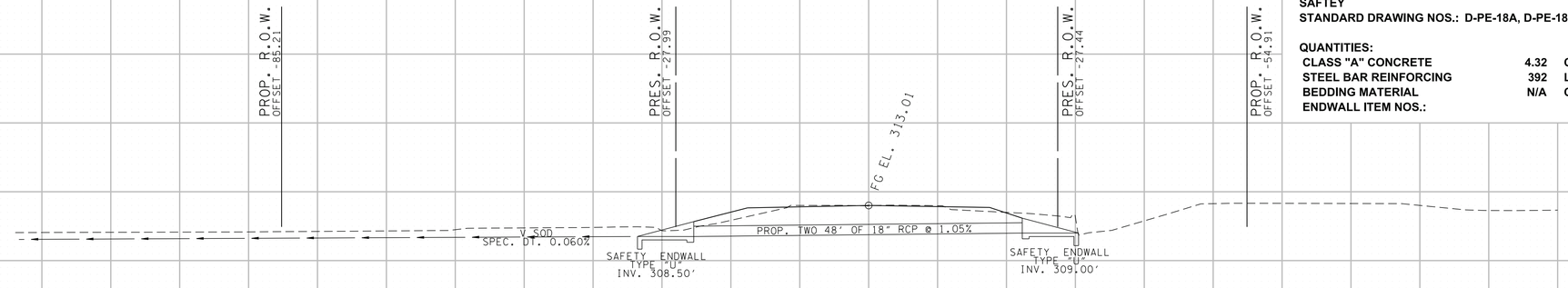
SKEW	90	DEG.
DRAINAGE AREA	9.630	AC.
DESIGN DISCHARGE (Q50)	9.90	CFS
DESIGN DISCHARGE (Q100)	11.13	CFS
OVERTOPPING	313.33	ELEV.
ALLOWABLE HEADWATER	313.01	ELEV.
Q50 HEADWATER	311.18	ELEV.
Q100 HEADWATER	311.25	ELEV.
VELOCITY (Q50)	3.15	FT/S
VELOCITY (Q100)	3.54	FT/S

ENDWALLS REQUIRED:
SAFETY
STANDARD DRAWING NOS.: D-PE-18A, D-PE-18B

QUANTITIES:

CLASS "A" CONCRETE	4.32	C.Y.
STEEL BAR REINFORCING	392	LB.
BEDDING MATERIAL	N/A	C.Y.
ENDWALL ITEM NOS.:		

CATES LANDING RD.
STA. 155+12.33



PIPE CULVERT
STATION: 154+35.15
STRUCTURE: TWO 48' OF 18" RCP

SKEW	65 RT	DEG.
DRAINAGE AREA	1.650	AC.
DESIGN DISCHARGE (Q50)	6.28	CFS
DESIGN DISCHARGE (Q100)	6.92	CFS
OVERTOPPING	313.01	ELEV.
ALLOWABLE HEADWATER	312.72	ELEV.
Q50 HEADWATER	309.94	ELEV.
Q100 HEADWATER	310.01	ELEV.
VELOCITY (Q50)	2.00	FT/S
VELOCITY (Q100)	2.20	FT/S

ENDWALLS REQUIRED:
SAFTEY
STANDARD DRAWING NOS.: D-PE-18A, D-PE-18B

QUANTITIES:

CLASS "A" CONCRETE	4.32	C.Y.
STEEL BAR REINFORCING	392	LB.
BEDDING MATERIAL	N/A	C.Y.
ENDWALL ITEM NOS.:		

CATES LANDING RD.
STA. 154+35.15

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

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTION

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	14
P.I.H.	2025	48ACOU-S3-002	14
P.S.&E.	2026	48ACOU-S3-002	14

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

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

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

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

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

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

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

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

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

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

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

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

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

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	14A
P.I.H.	2025	48ACOU-S3-002	14A
P.S.&E.	2026	48ACOU-S3-002	14A

OUTFALL TABLE

OUTFALL	AREA (AC)		SLOPE (%)
1	5.034		
	1A	0.730	0.23
	1B	2.656	0.23
	1C	1.648	0.10
2	0.172		0.52
3	0.668		0.10
4	2.524		0.10
5	2.184		0.10
6	0.194		0.52
TOTAL	10.776		

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
✳ SF ✳ SF ✳ SF ✳	SILT FENCE	EC-STR-3B
✳ SFB ✳ SFB ✳ SFB ✳	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ROCK CHECK DAM (TRAPEZOIDAL 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
	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
✳ HVF ✳ HVF ✳	HIGH VISIBILITY FENCE	S-F-1
	LIMIT OF DISTURBANCE	
	EX. CONTOURS	
	PROP. CONTOURS	

EPSC QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY					
				Stage 1	Stage 2	Stage 3	Stage 4	Adj. factor	Total
1,2	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	14	14	7	7	1	43
	209-03.21	FILTER SOCK (12 INCH)	L.F.		5,190		2,120	1	7,310
	209-05	SEDIMENT REMOVAL	C.Y.					1	183
	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	330				1	330
	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	5,100			2,910	1	8,010
	209-08.07	ROCK CHECK DAM	EACH		11		9	1	20
	209-08.08	ENHANCED ROCK CHECK DAM	EACH		1		4	1	5
	209-09.01	SANDBAGS	BAG						100
	209-20.04	POLYETHYLENE SHEETING (10 MIL.)	S.Y.						800
	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON		174 *		8 *	1	182
2	621-03.02	18" TEMPORARY DRAINAGE PIPE	LF	40	40	20	20	1	120
	707-08.11	HIGH VISIBILITY CONSTRUCTION FENCE	LF	505				1	505
2	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	100	100	50	50	1	300
	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON		1,560 *		45 *	1	1,605
2	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	172	3,102 *	86	194 *	1	3,553
	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT		75		75	1	150
	801-03	WATER (SEEDING & SODDING)	M.G.		8		8	1	16

NOTE: SEE SUBSECTION 209.07 OF THE TDOT STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.
ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.

1: REFER TO ESTIMATED GRADING QUANTITIES IN SHEET 2F.
2: FOR TEMPORARY CONSTRUCTION EXIT
* TO BE USED FOR CULVERT PROTECTION (TYPE 1) REQUIRED 2930 SY OF 740-10.03 IN STAGE 2 & 108 SY IN STAGE 4

SEALED BY

02/04/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) LEGEND & TABULATION

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	14B
P.I.H.	2025	48ACOU-S3-002	14B
P.S.&E.	2026	48ACOU-S3-002	14B

N

310 EX. CONTOURS

310 PROP. CONTOURS

LIMIT OF DISTURBANCE

NOTE: ALL EPSC DEVICES SHOWN PRIOR TO STATION 112+80.00 WILL BE PAID UNDER PROJECT NO. 48S022-S3-002.

NOTE: ISLAND #10 MONUMENT IS APPROXIMATELY 20' FROM PROPOSED SLOPE LINE AND SHALL NOT BE DISTURBED.

NOTE: ALL SILT FENCE NOT SHOWN ON CONTOUR SHOULD BE INSTALLED WITH J-HOOKS

110 115 120

℄ PORT TERMINAL ACCESS RD.
S 3° 05' 24" W
50'

WWC-1/UDF-1 WWC-1/UDF-1

10' 10' S 86° 57' 46" E ℄ CATES LANDING 10' 10'

DC3

WWC-2/UDF-2 WWC-2/UDF-2

TCE (LOCATION TO BE FIELD DETERMINED)

TCE (LOCATION TO BE FIELD DETERMINED)

EXTEND 16' OF 15" TEMP. DRAINAGE PIPE

MATCH LINE STA. 122+00.00 SEE SHT. NO. 14C

WTL-1 WTL-2 S.R. 22 OLD S.R. 22 DC2 PC 121+09.24

BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900

STAGE I

SEALED BY

02/04/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS

STA. 112+80 TO STA.122+00
SCALE: 1"=50'

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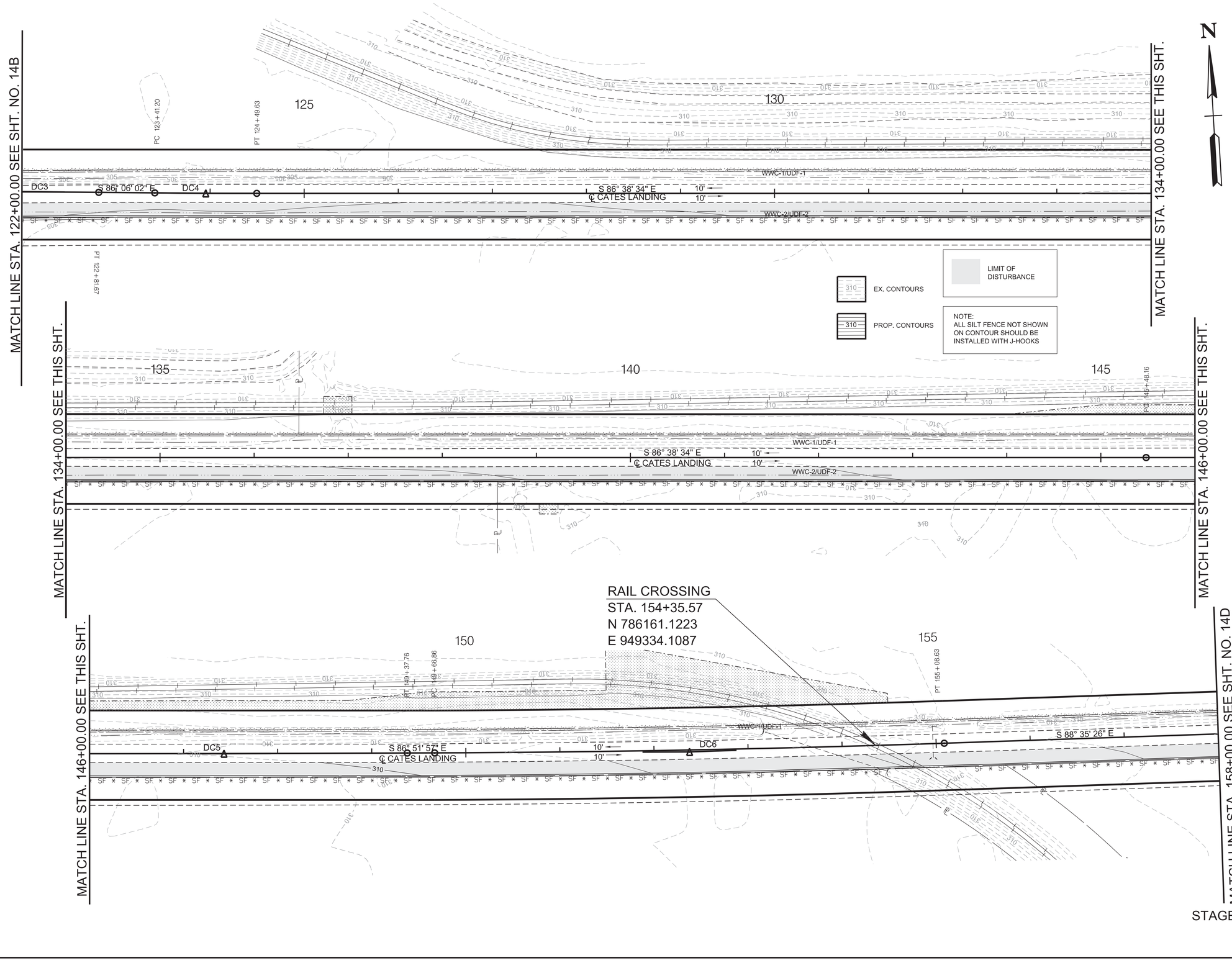
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	14C
P.I.H.	2025	48ACOU-S3-002	14C
P.S.&E.	2026	48ACOU-S3-002	14C

REV. 08-11-25: ADDED RAILROADS. REVISED EX. & PROP. DTM. ADDED CONST. ESM'T.



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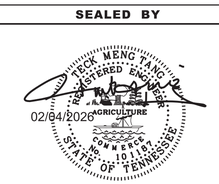

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS

STA. 122+00 TO STA. 158+00
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	14D
P.I.H.	2025	48ACOU-S3-002	14D
P.S.&E.	2026	48ACOU-S3-002	14D

310 EX. CONTOURS

310 PROP. CONTOURS

LIMIT OF DISTURBANCE

NOTE:
ALL SILT FENCE NOT SHOWN ON CONTOUR SHOULD BE INSTALLED WITH J-HOOKS

N

160

165

MATCH LINE STA. 158+00.00 SEE SHT. NO. 14C

WWC-1/UDF-1

10' 10' S 88° 35' 26" E
℄ CATES LANDING

PC 166+44.99

PT 166+84.97

POT 169+04.97

DC7 S 88° 44' 35" E

TCE
(LOCATION TO BE FIELD DETERMINED)

END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

STAGE I

SEALED BY

CHECK MENG TANG
REGISTERED ENGINEER
STATE OF TENNESSEE
AGRICULTURE
COMMERCE
No. 101181
02/04/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS

STA. 158+00 TO STA. 164+65
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	15
P.I.H.	2025	48ACOU-S3-002	15
P.S.&E.	2026	48ACOU-S3-002	15

NOTE: ALL EPSC DEVICES SHOWN PRIOR TO STATION 112+80.00 WILL BE PAID UNDER PROJECT NO. 48S022-S3-002.

310 EX. CONTOURS

310 PROP. CONTOURS

LIMIT OF DISTURBANCE

NOTE: ISLAND #10 MONUMENT IS APPROXIMATELY 20' FROM PROPOSED SLOPE LINE AND SHALL NOT BE DISTURBED.

N

110 115 120

OUT - 1A
0.730 AC
0.23%

OUT - 1B
2.656 AC
0.23%

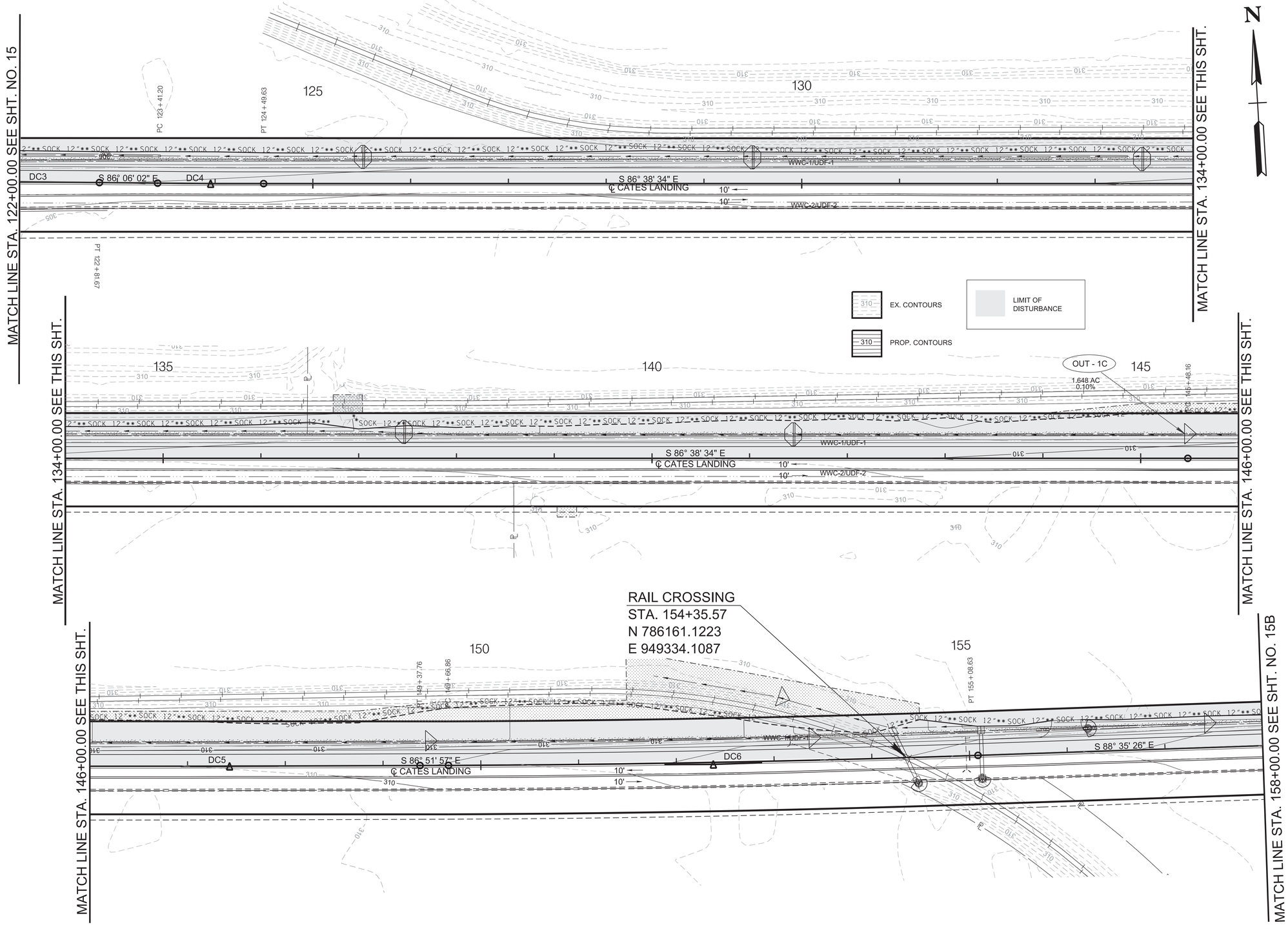
TCE
(LOCATION TO BE FIELD DETERMINED)

PORT TERMINAL ACCESS RD.
S 3° 05' 24" W
50'

SOCK 12" ** SOCK 12" ** SOCK 12" **

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	15A
P.I.H.	2025	48ACOU-S3-002	15A
P.S.&E.	2026	48ACOU-S3-002	15A

REV. 08-11-25: ADDED RAILROADS. REVISED EX. & PROP. DTM. ADDED CONST. ESM'T. REVISED EPSC MEASUREMENTS NEAR RAILROADS CROSSING.



SEALED BY

TECK MENG TANG
REGISTERED ENGINEER
02/04/2026
DEPARTMENT OF AGRICULTURE
COMMERCE
No. 101181
STATE OF TENNESSEE

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS

STA. 122+00 TO STA. 158+00
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	15B
P.I.H.	2025	48ACOU-S3-002	15B
P.S.&E.	2026	48ACOU-S3-002	15B

EX. CONTOURS

PROP. CONTOURS

LIMIT OF DISTURBANCE

N

160

165

MATCH LINE STA. 158+00.00 SEE SHT. NO. 15A

PC 166+44.99

PT 166+84.97

POT 169+04.97

OUT - 2

0.172 AC
0.52%

TCE
(LOCATION TO BE
FIELD DETERMINED)

SOCK 12"** SOCK 12"** SOCK 12"** SOCK 12"** SOCK 12"** SOCK 12"** SOCK 12"** SOCK 12"** SOCK 12"**

WWC-1/UDF-1

TCE

10'

10'

S 88° 35' 26" E

℄ CATES LANDING

DC7

S 88° 44' 35" E

END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

STAGE II

SEALED BY

TECK MENG TAN
REGISTERED ENGINEER
STATE OF TENNESSEE
AGRICULTURE
POWERS
02/04/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS

STA. 158+00 TO STA. 164+65
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	16
P.I.H.	2025	48ACOU-S3-002	16
P.S.&E.	2026	48ACOU-S3-002	16

NOTE: ALL EPSC DEVICES SHOWN PRIOR TO STATION 112+80.00 WILL BE PAID UNDER PROJECT NO. 48S022-S3-002.

310 EX. CONTOURS

310 PROP. CONTOURS

LIMIT OF DISTURBANCE

NOTE: ISLAND #10 MONUMENT IS APPROXIMATELY 20' FROM PROPOSED SLOPE LINE AND SHALL NOT BE DISTURBED.

N

110 115 120

OUT - 1A
0.730 AC
0.23%

OUT - 1B
2.656 AC
0.23%

PORT TERMINAL ACCESS RD.
S 3° 05' 24" W
50

WWC-1/UDF-1

10' S 86° 57' 46" E 10'

℄ CATES LANDING

DC3

WWC-2/UDF-2

MATCH LINE STA. 122+00.00 SEE SHT. NO. 16A

WTL-1

WTL-2

S.R. 22

OLD S.R. 22

PC 121+09.24

BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900

STAGE III

SEALED BY

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS

STA. 112+80 TO STA.122+00
SCALE: 1"=50'

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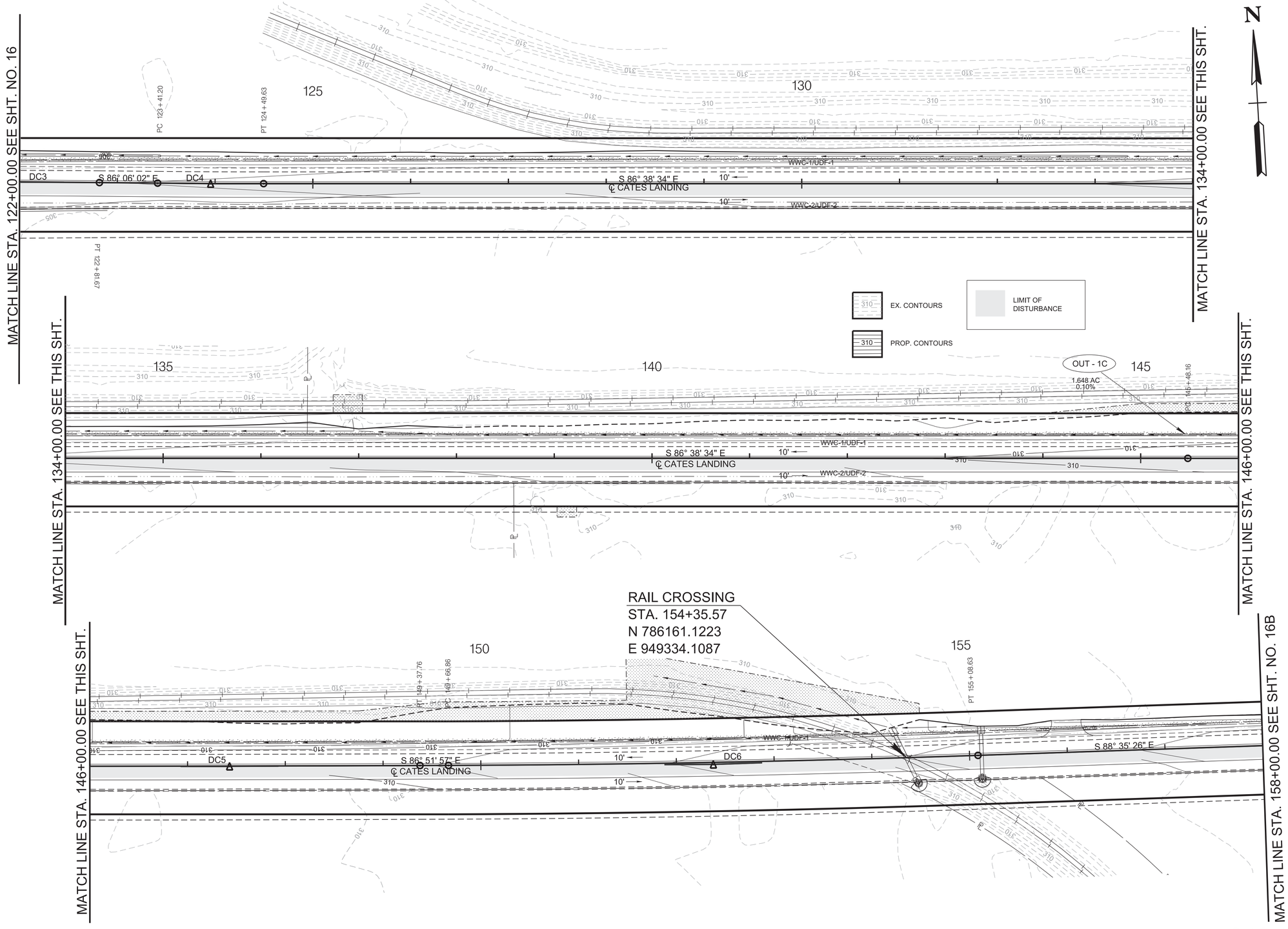
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	16A
P.I.H.	2025	48ACOU-S3-002	16A
P.S.&E.	2026	48ACOU-S3-002	16A

REV. 08-11-25: ADDED RAILROADS, REVISED EX. & PROP. DTM, ADDED CONST. ESMT. REVISED EPSC MEASUREMENTS NEAR RAILROADS CROSSING.



STAGE III

SEALED BY

TECK MENG TANG
REGISTERED ENGINEER
02/04/2026
DEPARTMENT OF AGRICULTURE
No. 101811
STATE OF TENNESSEE

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS

STA. 122+00 TO STA. 158+00
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	16B
P.I.H.	2025	48ACOU-S3-002	16B
P.S.&E.	2026	48ACOU-S3-002	16B

EX. CONTOURS

PROP. CONTOURS

LIMIT OF DISTURBANCE

N

160

165

MATCH LINE STA. 158+00.00 SEE SHT. NO. 16A

OUT - 2
0.172 AC
0.52%

WWC-1/UDF-1

10'

S 88° 35' 26" E
℄ CATES LANDING

10'

TCE

TCE
(LOCATION TO BE
FIELD DETERMINED)

PC 166+44.99

PT 166+84.97

POT 168+04.97

DC7

S 88° 44' 35" E

END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

STAGE III

SEALED BY

TECK MENG TAN
REGISTERED ENGINEER
AGRICULTURE
02/04/2026
POWERS
101181
STATE OF TENNESSEE

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS

STA. 158+00 TO STA. 164+65
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	17
P.I.H.	2025	48ACOU-S3-002	17
P.S.&E.	2026	48ACOU-S3-002	17

NOTE: ALL EPSC DEVICES SHOWN PRIOR TO STATION 112+80.00 WILL BE PAID UNDER PROJECT NO. 48S022-S3-002.

310 EX. CONTOURS

310 PROP. CONTOURS

LIMIT OF DISTURBANCE

NOTE: ISLAND #10 MONUMENT IS APPROXIMATELY 20' FROM PROPOSED SLOPE LINE AND SHALL NOT BE DISTURBED.

N

110 115 120

℄ PORT TERMINAL ACCESS RD.
S 3° 05' 24" W
50

MATCH LINE STA. 122+00.00 SEE SHT. NO. 17A

℄ CATES LANDING
S 86° 57' 46" E

12' 10' WWC-1/UDF-1

WWC-2/UDF-2

DC3

OUT - 3
0.668 AC
0.10%

OUT - 4
2.524 AC
0.10%

WTL-1

WTL-2

S.R. 22

OLD S.R. 22

PC 121+09.24

BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900

STAGE IV

SEALED BY

02/04/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS

STA. 112+80 TO STA.122+00
SCALE: 1"=50'

5/27/2026 11:13:45 AM
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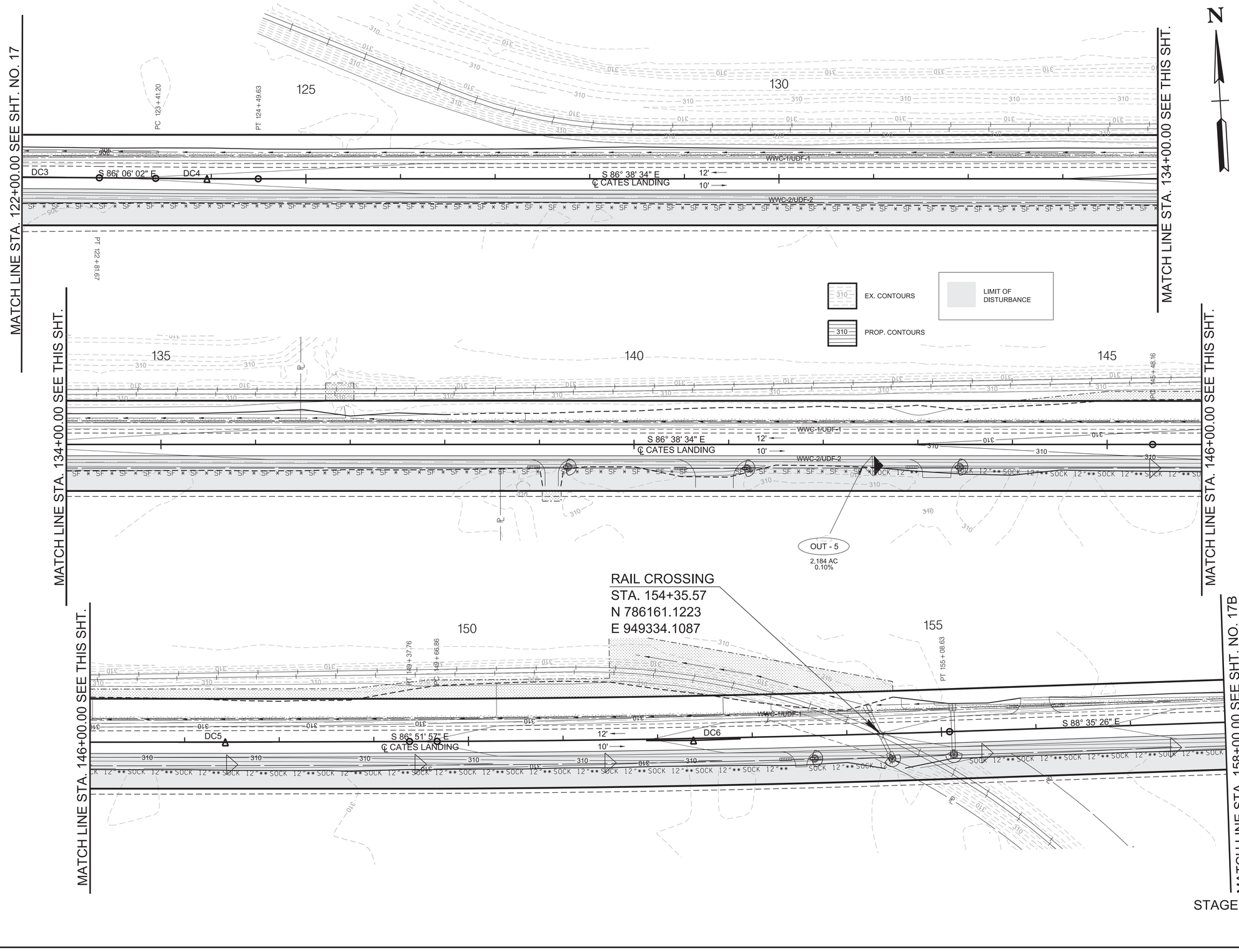
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	17A
P.I.H.	2025	48ACOU-S3-002	17A
P.S.&E.	2026	48ACOU-S3-002	17A

REV. 08-11-25: ADDED RAILROADS. REVISED EX. & PROP. DTM. ADDED CONST. ESM'T. REVISED EPSC MEASUREMENTS NEAR RAILROADS CROSSING.



SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS

STA. 122+00 TO STA. 158+00
SCALE: 1"=50'

5/27/2026 11:13:46 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	17B
P.I.H.	2025	48ACOU-S3-002	17B
P.S.&E.	2026	48ACOU-S3-002	17B

310 EX. CONTOURS

310 PROP. CONTOURS

LIMIT OF DISTURBANCE

N

160

165

MATCH LINE STA. 158+00.00 SEE SHT. NO. 17A

PC 166+44.99

PT 166+84.97

POT 169+04.97

WWC-1/UDF-1

12" ** SOCK

S 88° 35' 26" E
℄ CATES LANDING

S 88° 44' 35" E

DC7

OUT - 6
0.194 AC
0.52%

TCE
(LOCATION TO BE
FIELD DETERMINED)

END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

STAGE IV

SEALED BY

TECK MENG TAN
REGISTERED ENGINEER
AGRICULTURE
POWERS
101181
STATE OF TENNESSEE
02/04/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLANS

STA. 158+00 TO STA. 164+65
SCALE: 1"=50'

5/27/2026 11:13:47 AM
P:\0000_0100\007825005O_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\017B EPSC4.sht

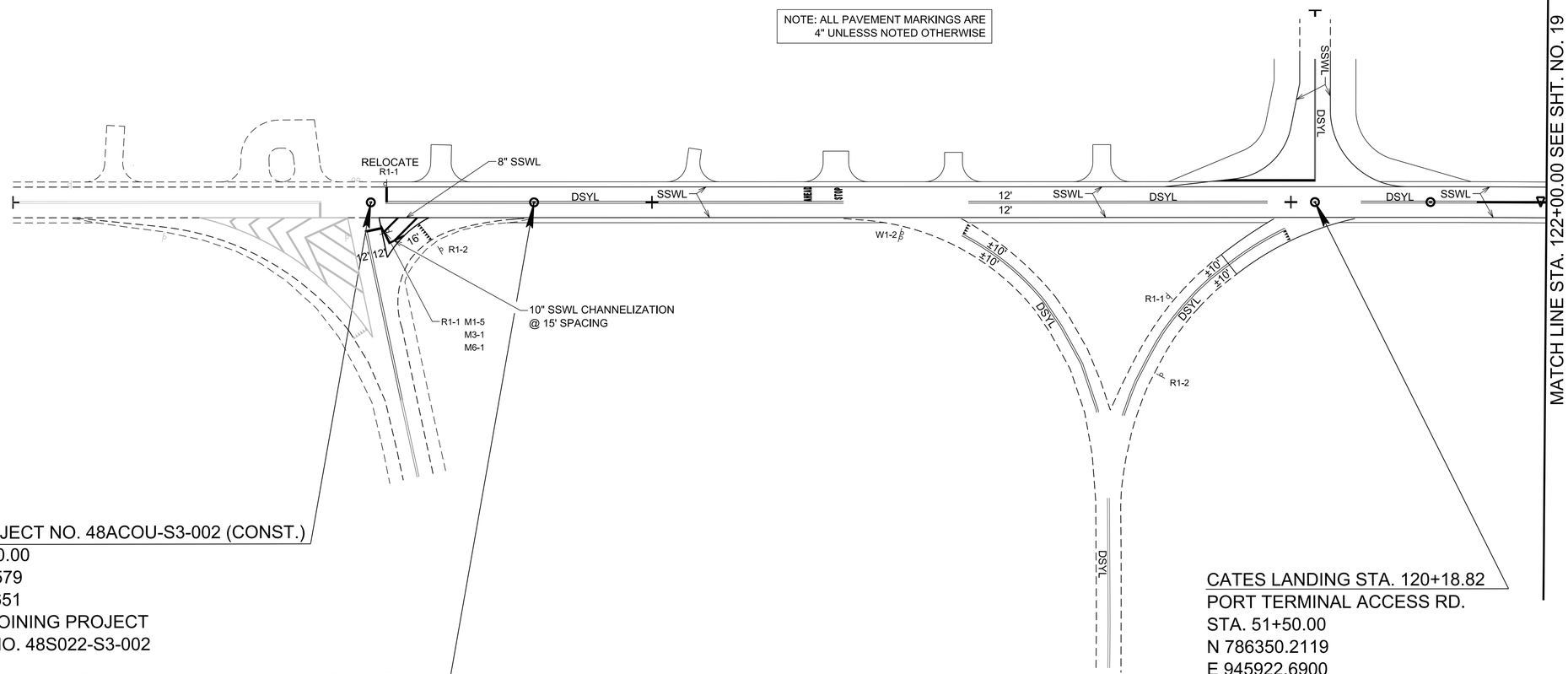
TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	48ACOU-S3-002	18
P.S.&E.	2026	48ACOU-S3-002	18

110

115

120

NOTE: ALL PAVEMENT MARKINGS ARE 4" UNLESSS NOTED OTHERWISE



BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900

SEALED BY

COORDINATES ARE NAD 83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

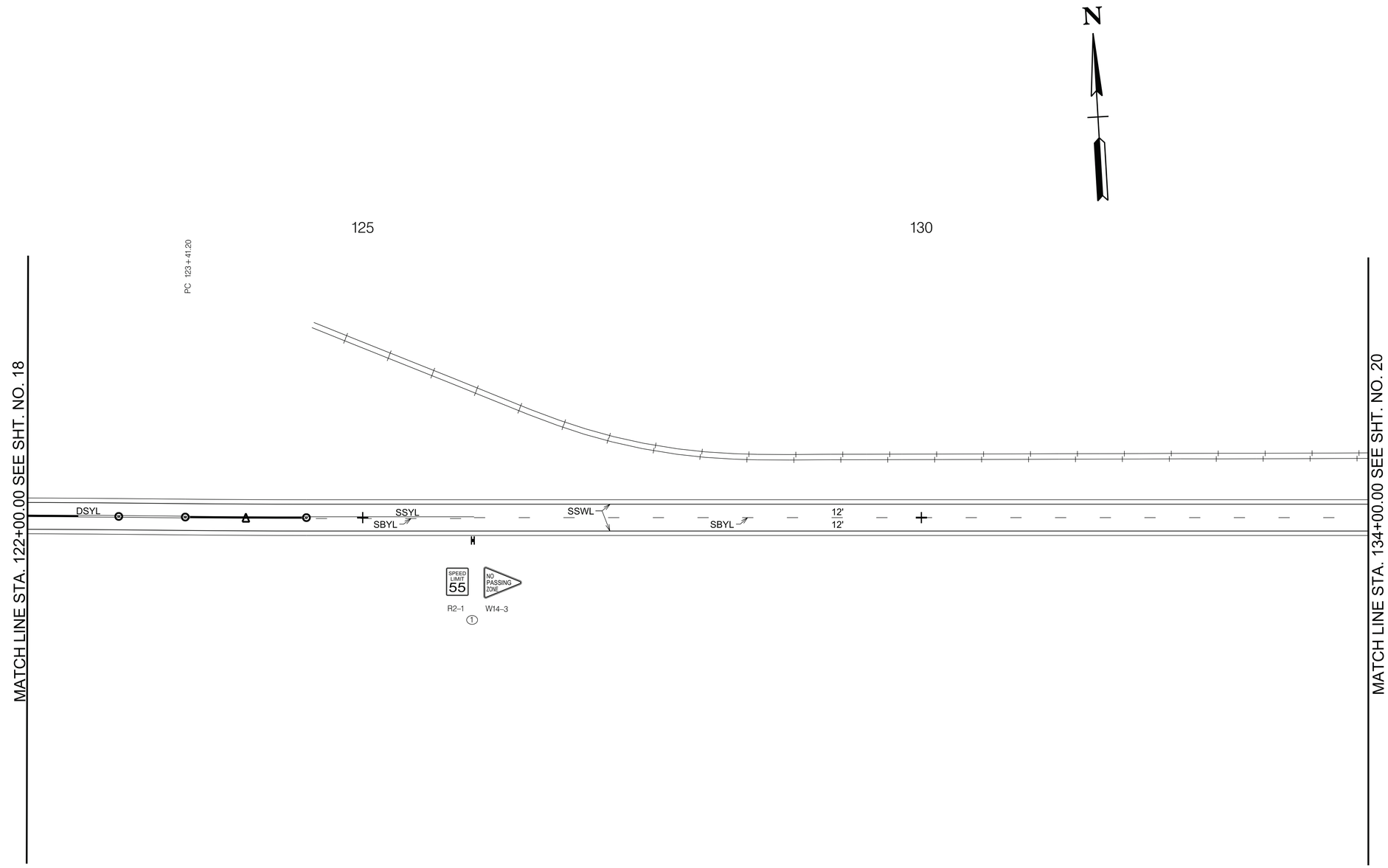
SIGNING AND PAVEMENT MARKING PLAN

STA.112+80 TO STA.122+00

SCALE: 1"=50'

5/27/2026 11:13:48 AM
P:\0000_0100\007825\0050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\S&M (1).sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	48ACOU-S3-002	19
P.S.&E.	2026	48ACOU-S3-002	19



SEALED BY

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

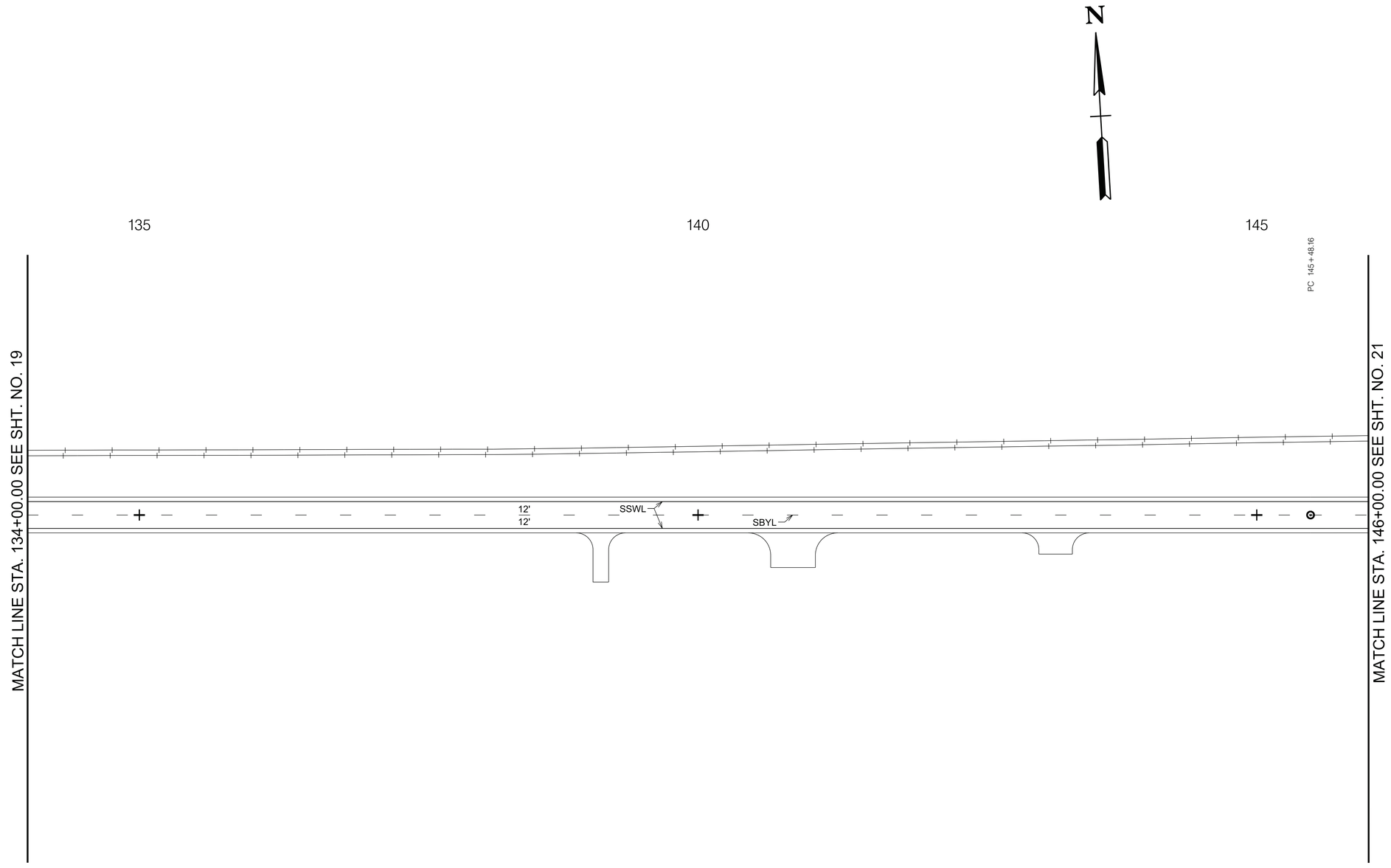
SIGNING AND PAVEMENT MARKING PLAN

STA.122+00 TO STA.134+00

SCALE: 1"=50'

5/27/2026 11:13:49 AM
P:\0000_0100\007825005O_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\S&M (2).sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	48ACOU-S3-002	20
P.S.&E.	2026	48ACOU-S3-002	20



SEALED BY

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

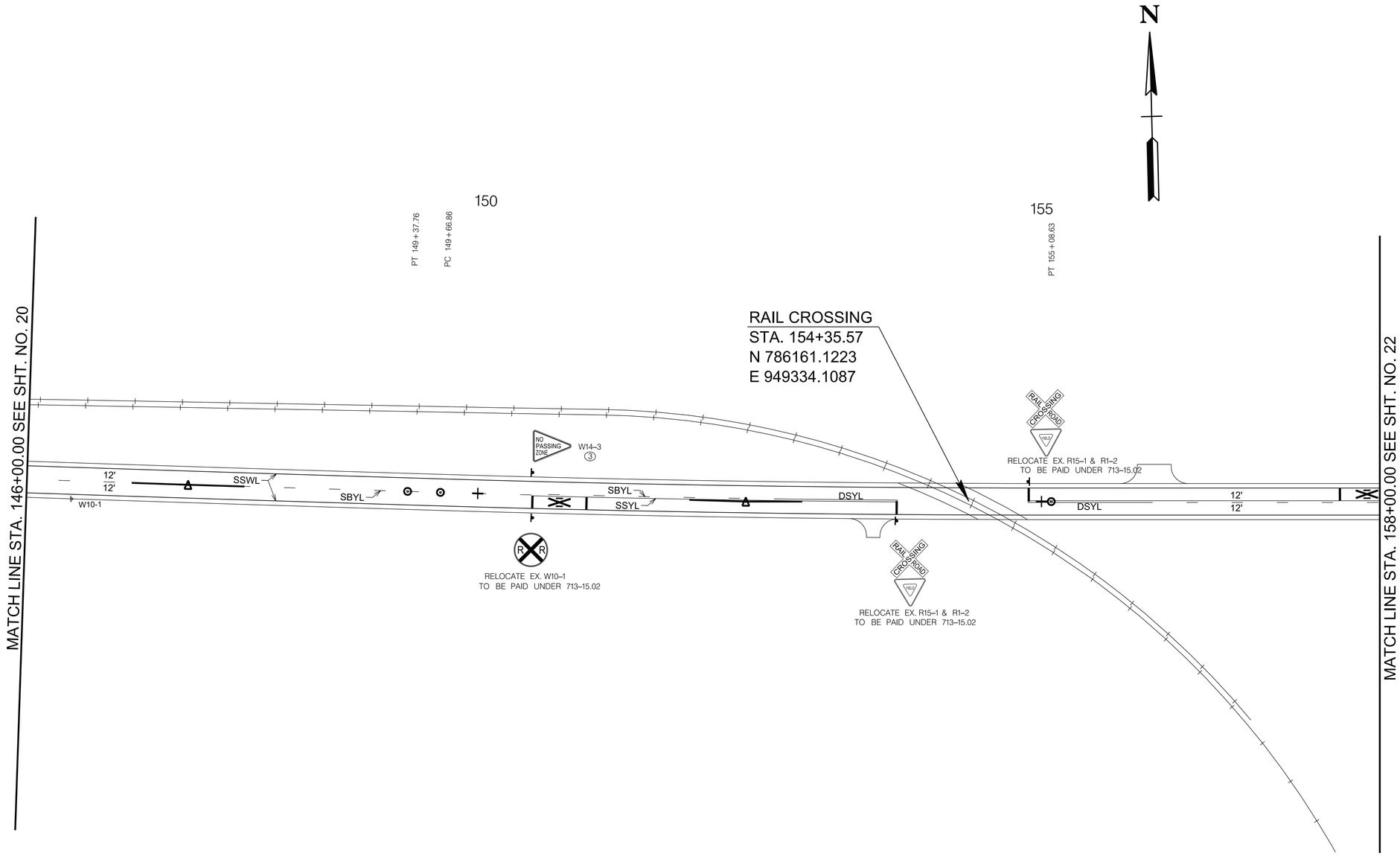
SIGNING AND PAVEMENT MARKING PLAN

STA.134+00 TO STA.146+00

SCALE: 1"=50'

5/27/2026 11:13:49 AM
P:\0000_0100\0078250050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\S&M (3).sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	48ACOU-S3-002	21
P.S.&E.	2026	48ACOU-S3-002	21



SEALED BY

02/04/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA.146+00 TO STA.158+00

SCALE: 1"=50'

5/27/2026 11:13:50 AM
P:\0000_0100\007825O050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\S&M (4).sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	48ACOU-S3-002	22
P.S.&E.	2026	48ACOU-S3-002	22

N

160

165

PC 166+44.99

PT 166+84.97

POT 168+04.97

MATCH LINE STA. 158+00.00 SEE SHT. NO. 21

RELOCATE EX. W10–1
TO BE PAID UNDER 713–15.02

SSWL

12'
12'

SBYL

SPEED LIMIT 55
R2–1

NO PASSING ZONE
W14–3

END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

SEALED BY

TECK MENG TING
REGISTERED ENGINEER
02/04/2026
STATE OF TENNESSEE

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA.158+00 TO STA.164+65

SCALE: 1"=50'

5/27/2026 11:13:51 AM
P:\0000_0100\007825005O_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\S&M (5).sht

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.		
1	SPEED LIMIT 55 R2-1 / NO PASSING ZONE W14-3	19	36 48	48 48									BLACK BLACK	WHITE (REF) YELLOW (REF)	0.100" SHEET ALUMINUM	U3	H1= 15'06" H2= 15'09"				7'	R2-1 ON ONE SIDE AND W14-3 ON THE OTHER
3	NO PASSING ZONE W14-3	21	48	48									BLACK	YELLOW (REF)	0.100" SHEET ALUMINUM	U3	H1= 15'06" H2= 15'09"				7'	
5		22																				
6	SPEED LIMIT 55 R2-1	22	36	48									BLACK	WHITE (REF)	0.100" SHEET ALUMINUM	U3	H1= 15'06" H2= 15'09"				7'	

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	48ACOU-S3-002	23
P.S.&E.	2026	48ACOU-S3-002	23

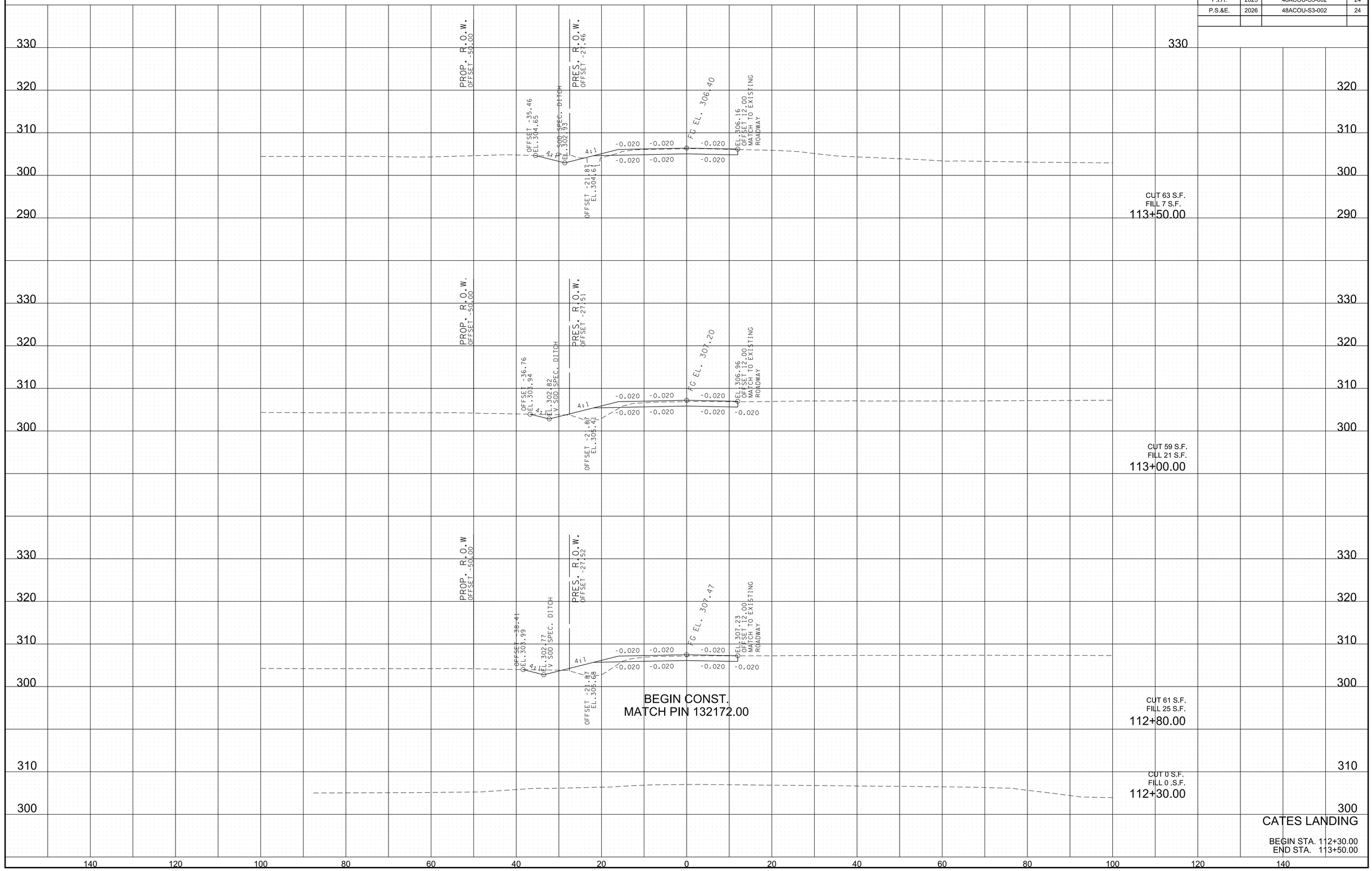
SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

5/27/2026 11:13:51 AM
P:\0000_0100\007825\0050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\S&M (6) Sign Schedule.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	18
P.I.H.	2025	48ACOU-S3-002	24
P.S.&E.	2026	48ACOU-S3-002	24



5/27/2026 11:13:54 AM
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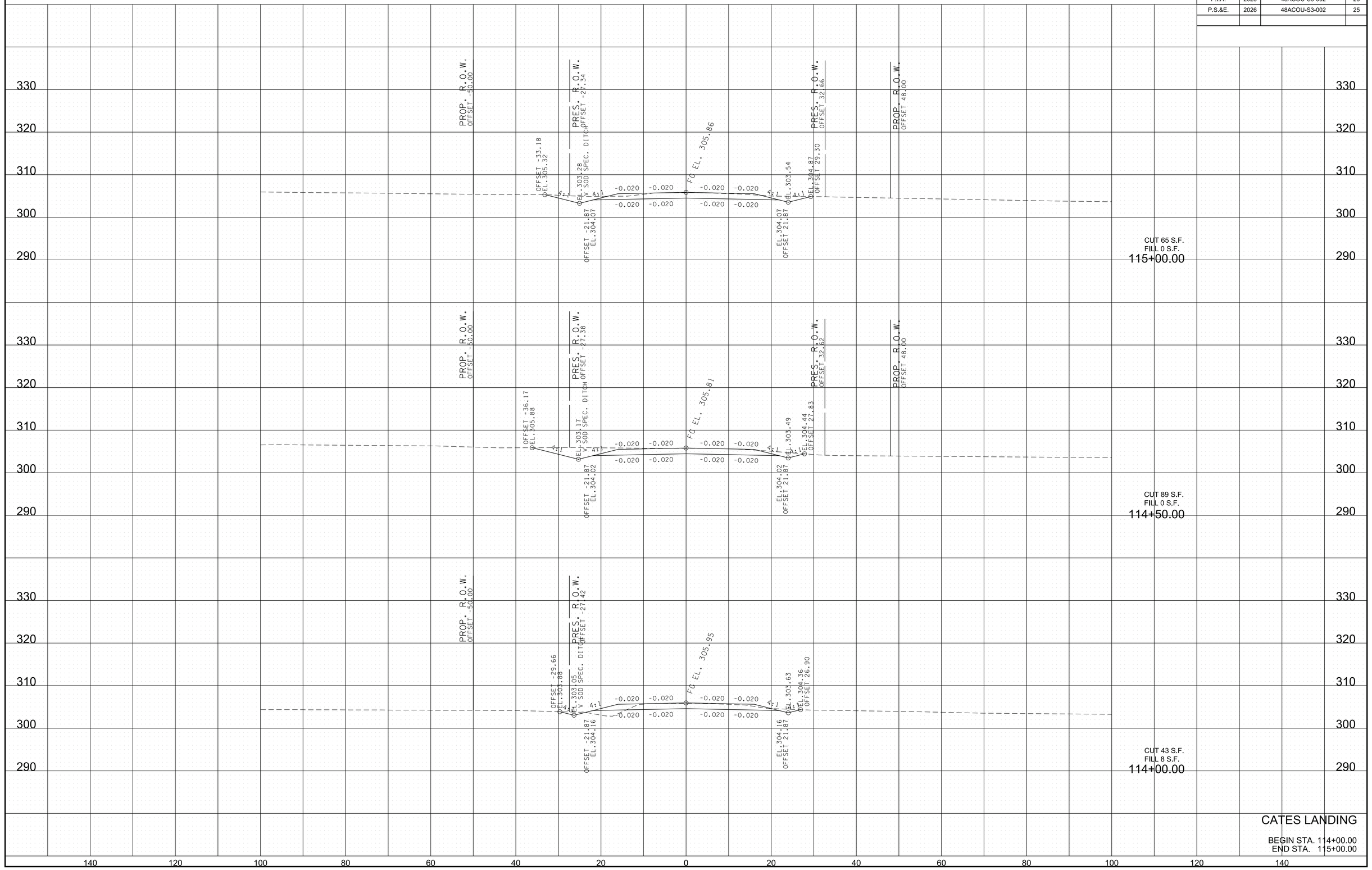
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	19
P.I.H.	2025	48ACOU-S3-002	25
P.S.&E.	2026	48ACOU-S3-002	25

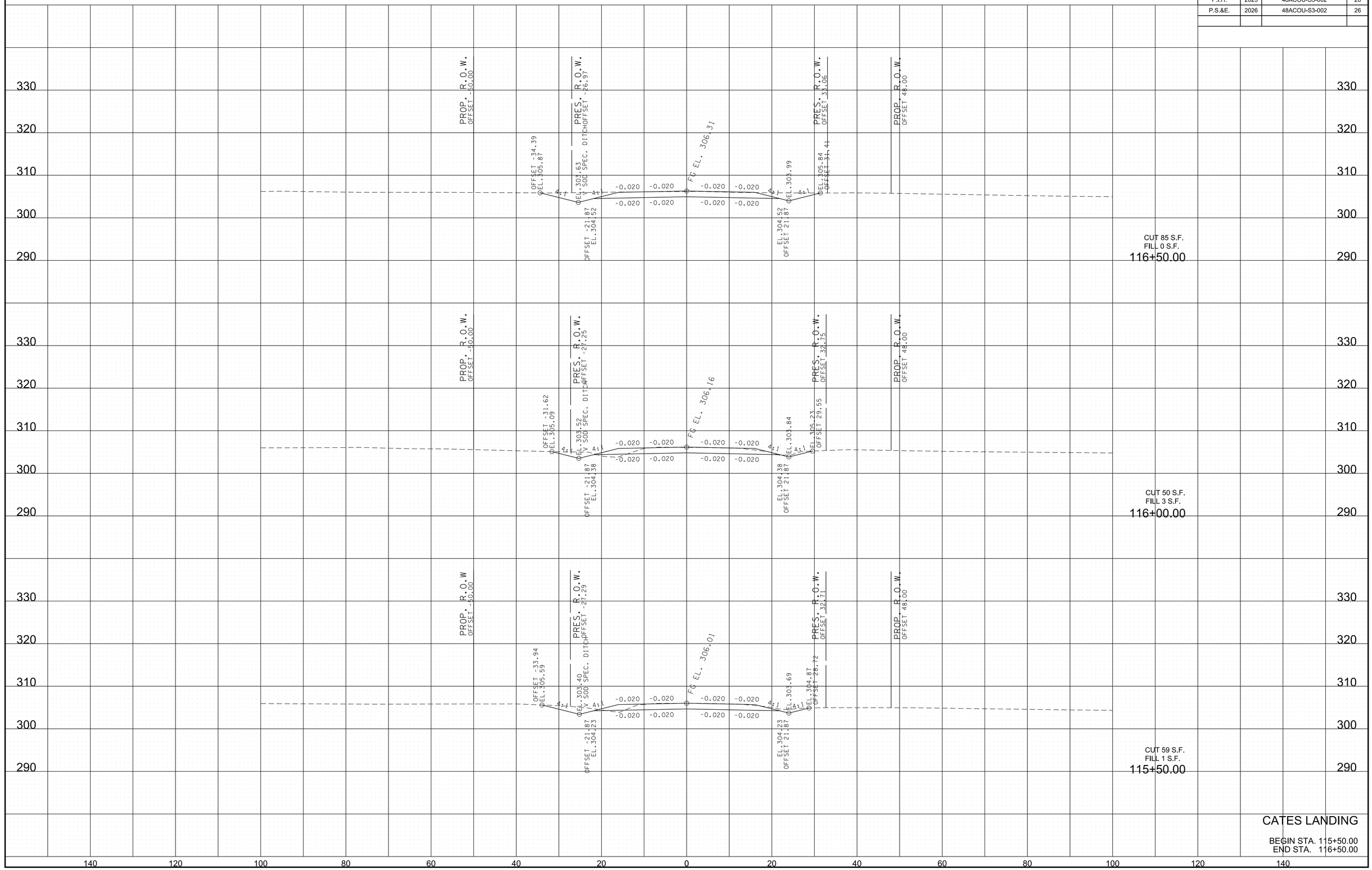


CATES LANDING

BEGIN STA. 114+00.00
END STA. 115+00.00

5/27/2026 11:13:55 AM
P:\0000_0100\007825005O_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\CatesLandingXsections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	20
P.I.H.	2025	48ACOU-S3-002	26
P.S.&E.	2026	48ACOU-S3-002	26

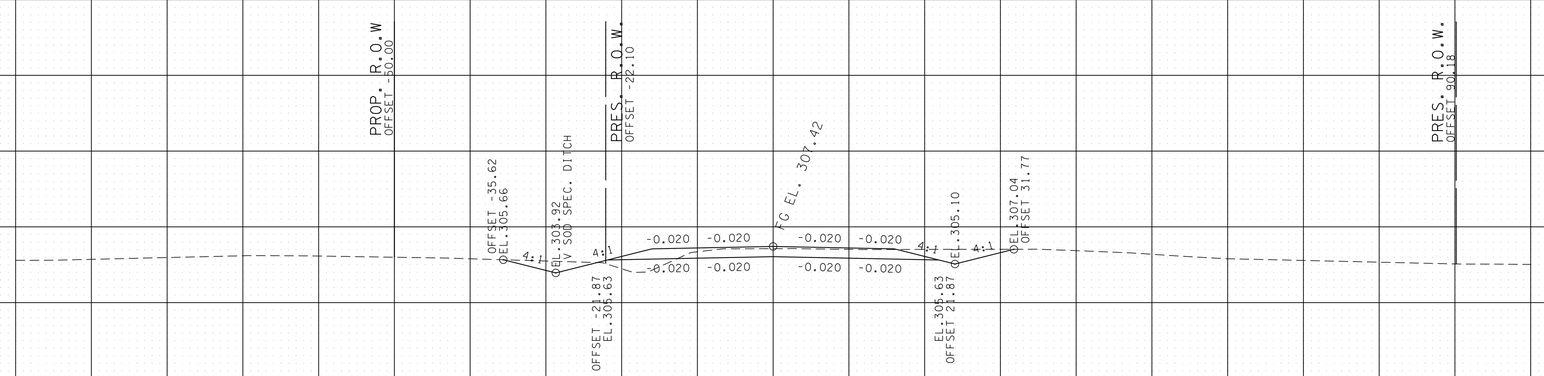


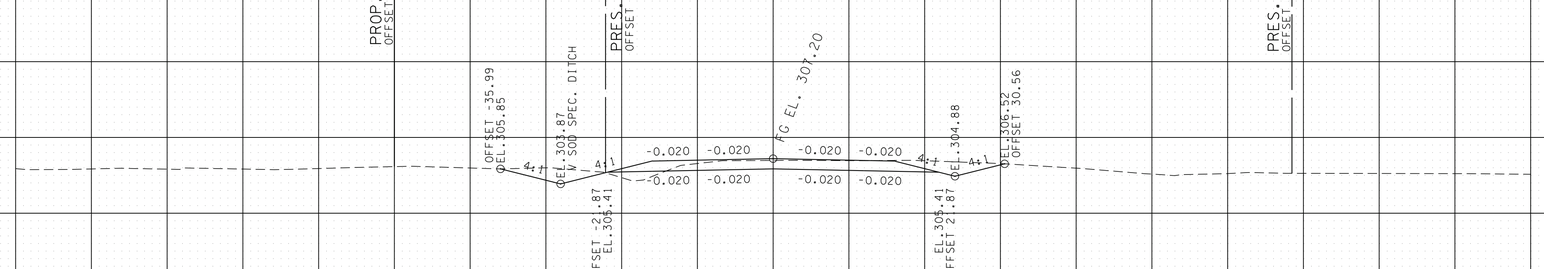
CATES LANDING

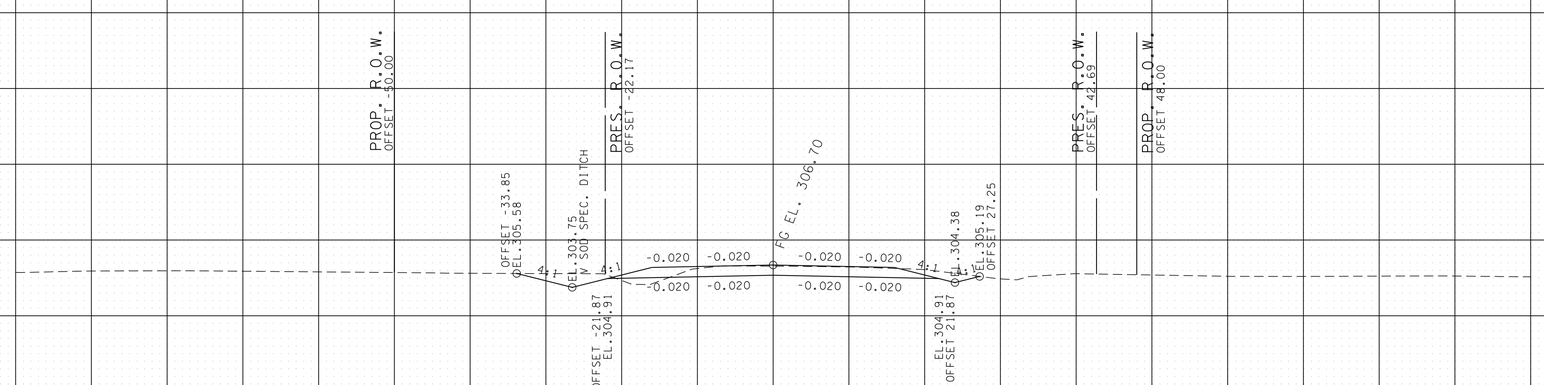
BEGIN STA. 115+50.00
END STA. 116+50.00

5/27/2026 11:13:57 AM
P:\0000_0100\007825O050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\CatesLandingXsections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	21
P.I.H.	2025	48ACOU-S3-002	27
P.S.&E.	2026	48ACOU-S3-002	27





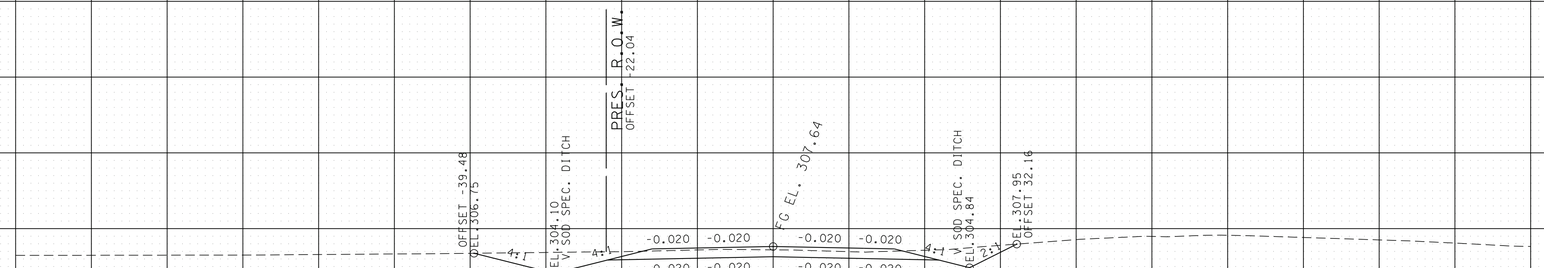


CATES LANDING

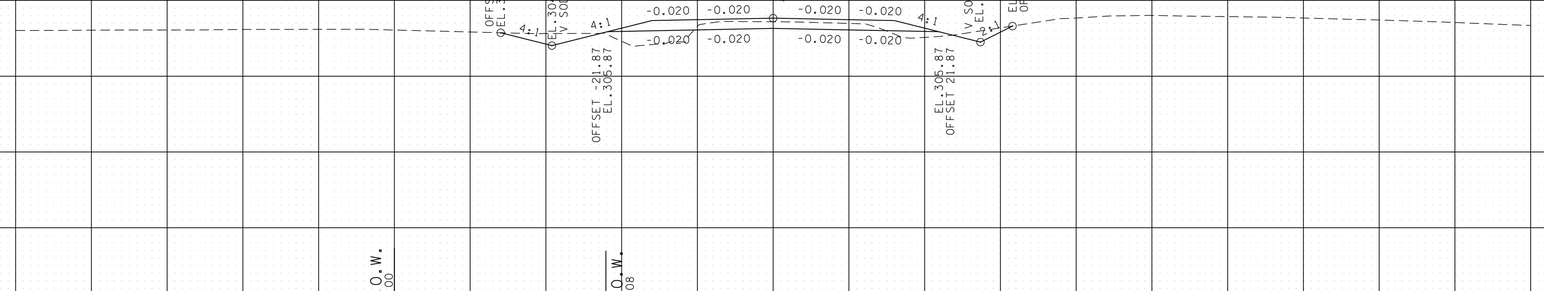
BEGIN STA. 117+00.00
END STA. 117+75.00

5/27/2026 11:13:58 AM
P:\0000_0100\007825O050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\CatesLandingXsections.sht

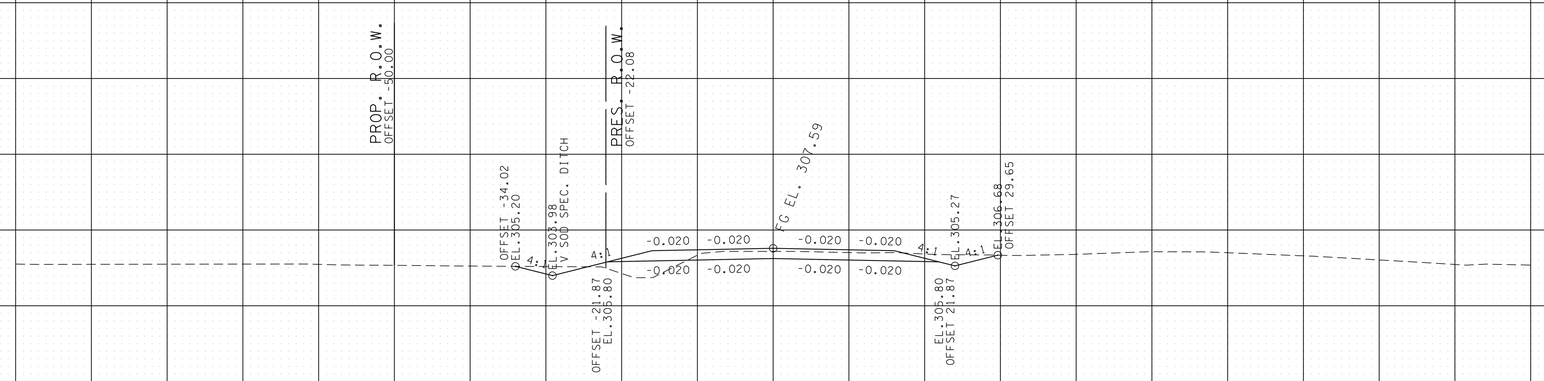
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	22
P.I.H.	2025	48ACOU-S3-002	28
P.S.&E.	2026	48ACOU-S3-002	28



CUT 89 S.F.
FILL 0 S.F.
118+50.00



CUT 37 S.F.
FILL 22 S.F.
118+25.00



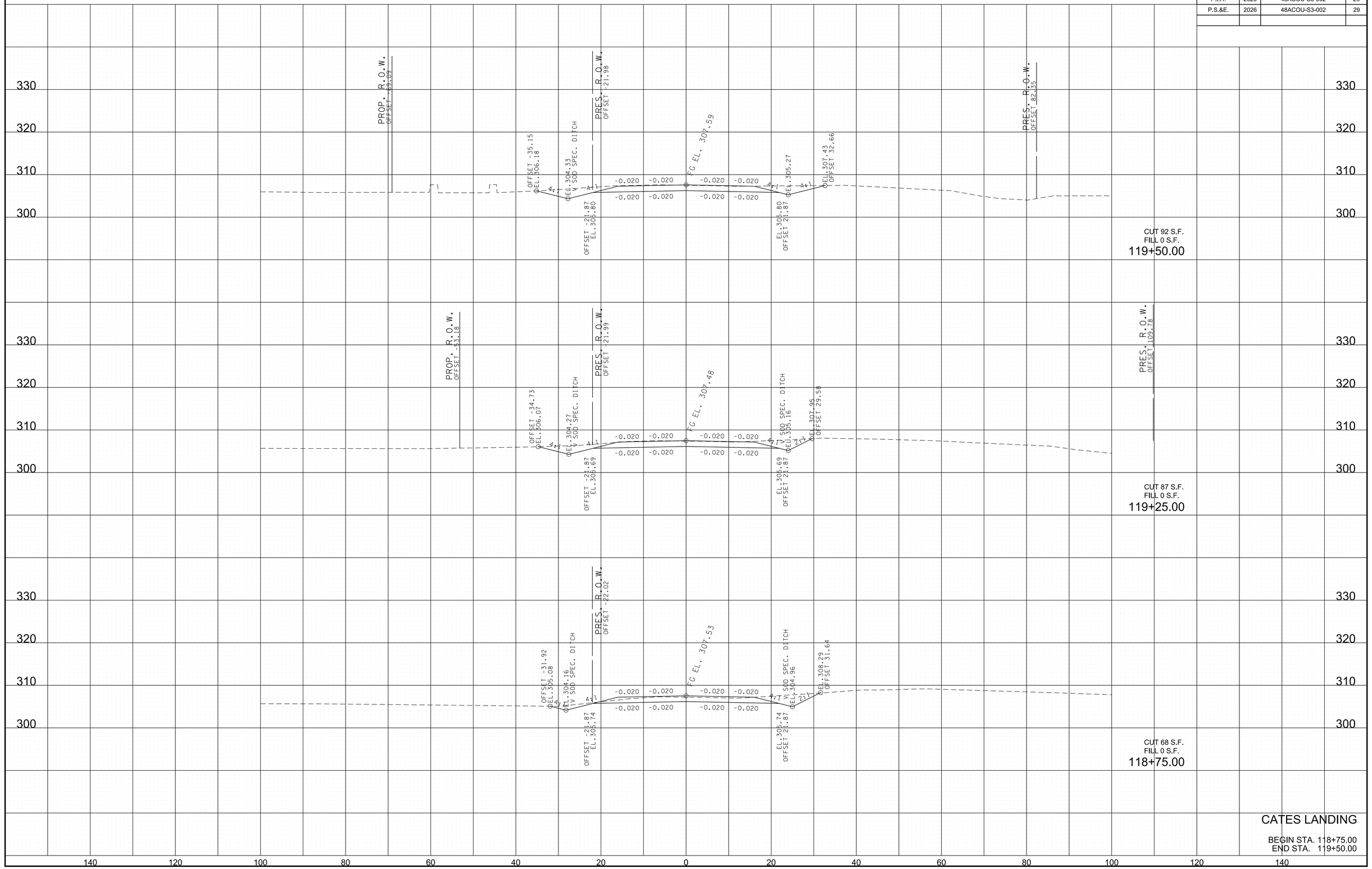
CUT 45 S.F.
FILL 17 S.F.
118+00.00

CATES LANDING

BEGIN STA. 118+00.00
END STA. 118+50.00

5/27/2026 11:14:00 AM
P:\0000_0100\0078250050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\CatesLandingXsections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	23
P.I.H.	2025	48ACOU-S3-002	29
P.S.&E.	2026	48ACOU-S3-002	29



5/27/2026 11:14:01 AM
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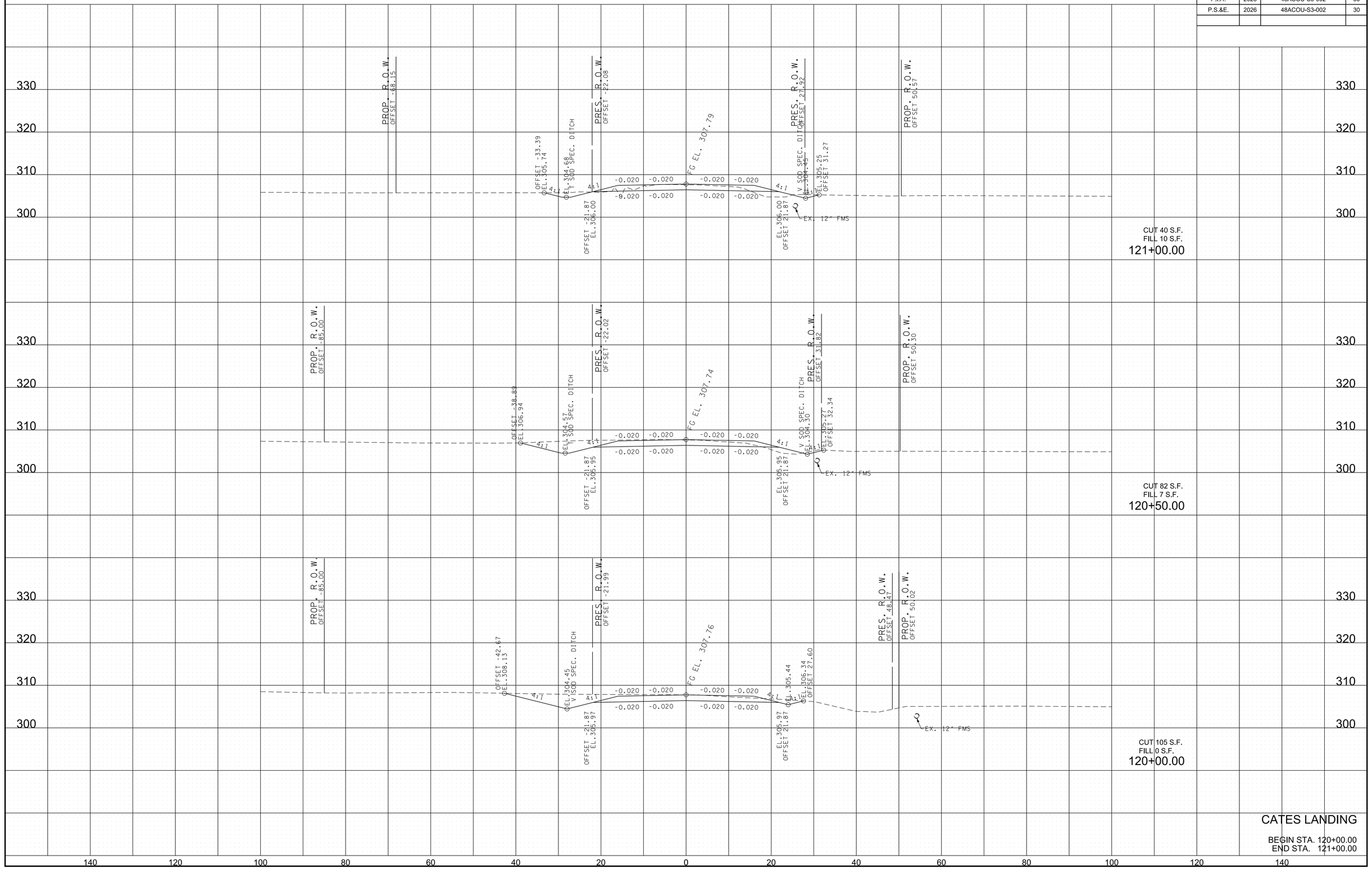
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	24
P.I.H.	2025	48ACOU-S3-002	30
P.S.&E.	2026	48ACOU-S3-002	30

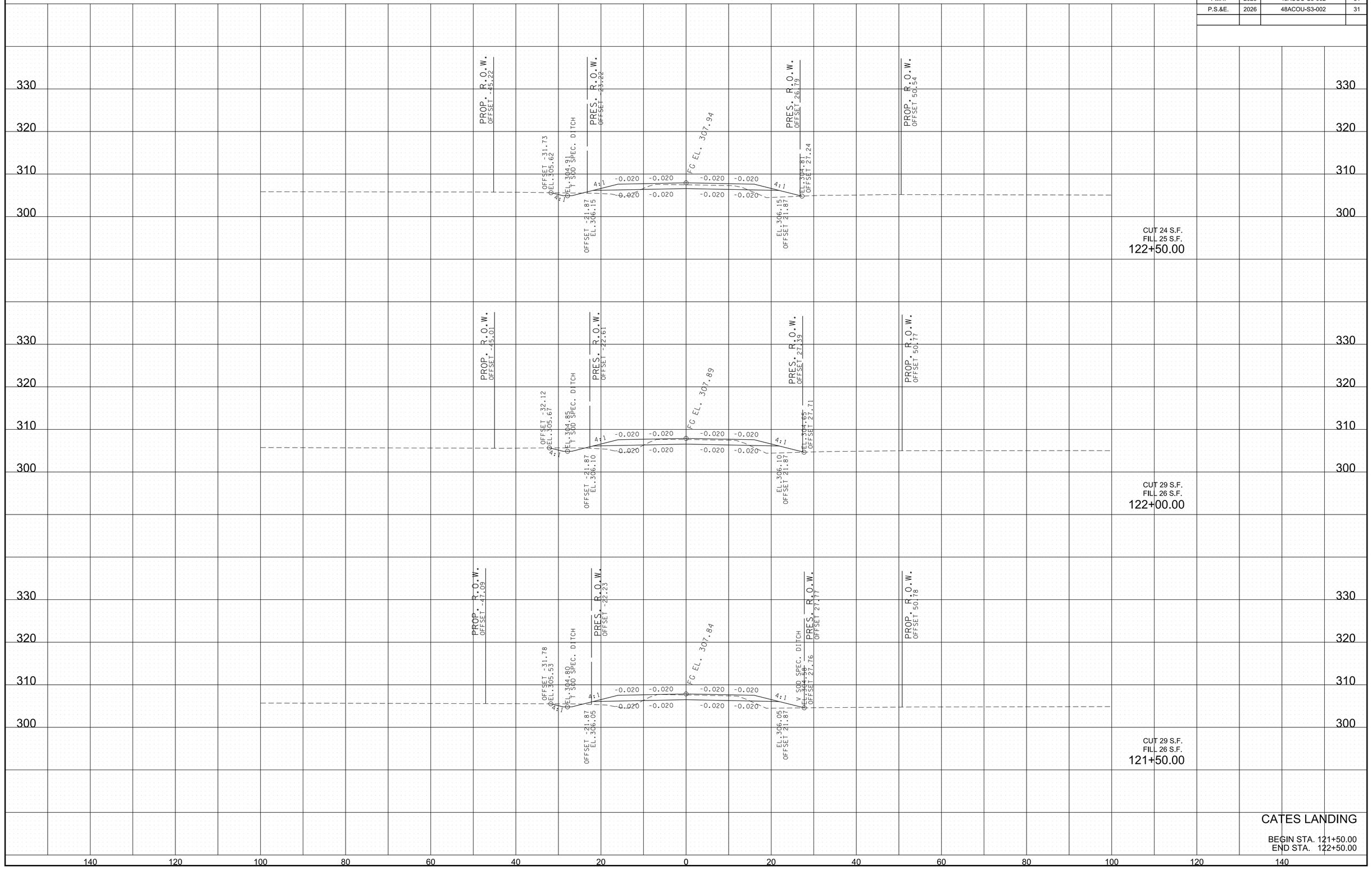


CATES LANDING

BEGIN STA. 120+00.00
END STA. 121+00.00

5/27/2026 11:14:03 AM
P:\0000_0100\007825O050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\CatesLandingXsections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	25
P.I.H.	2025	48ACOU-S3-002	31
P.S.&E.	2026	48ACOU-S3-002	31

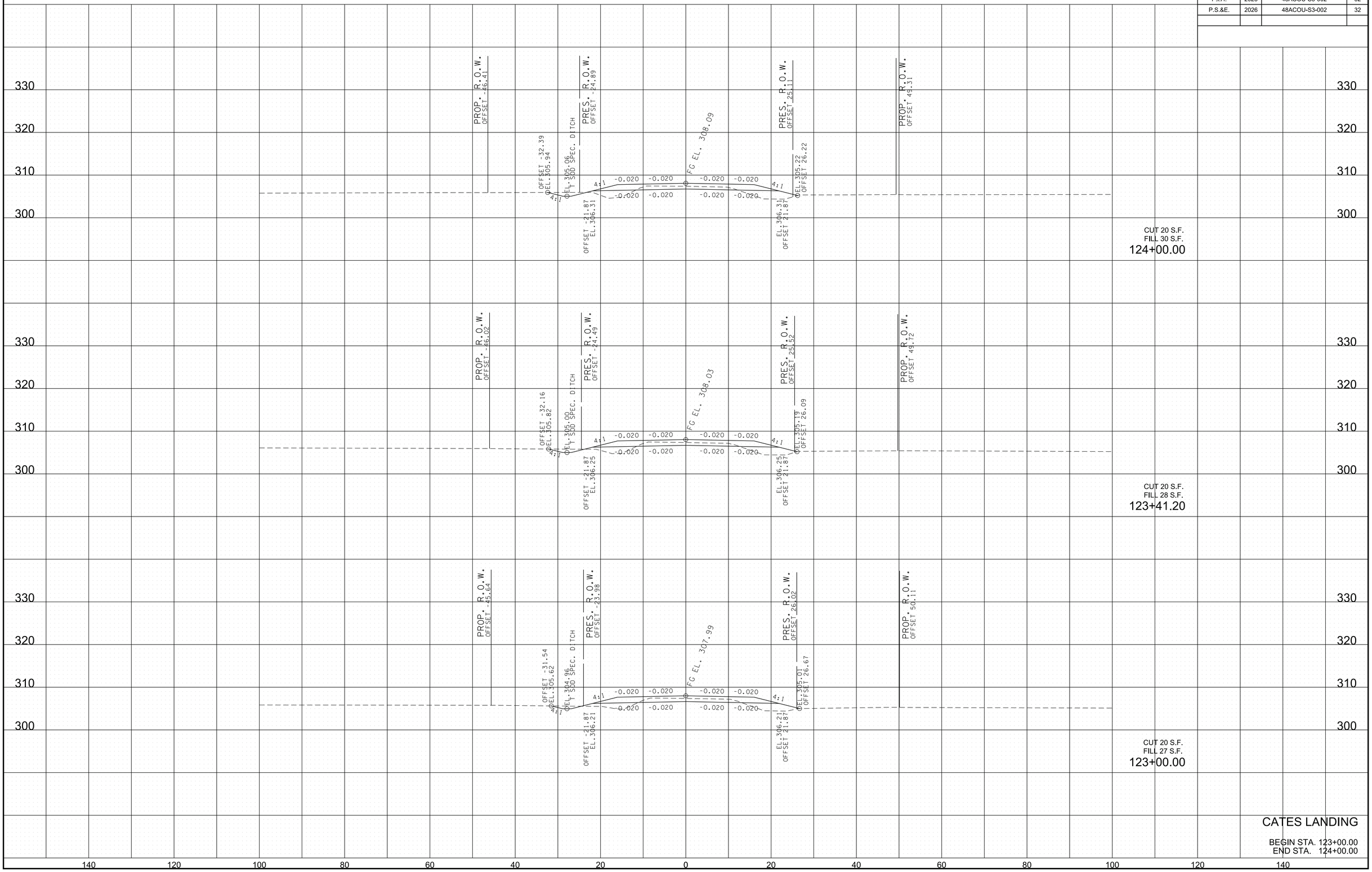


CATES LANDING

BEGIN STA. 121+50.00
END STA. 122+50.00

5/27/2026 11:14:04 AM
P:\0000_0100\007825\0050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\CatesLandingXsections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	26
P.I.H.	2025	48ACOU-S3-002	32
P.S.&E.	2026	48ACOU-S3-002	32

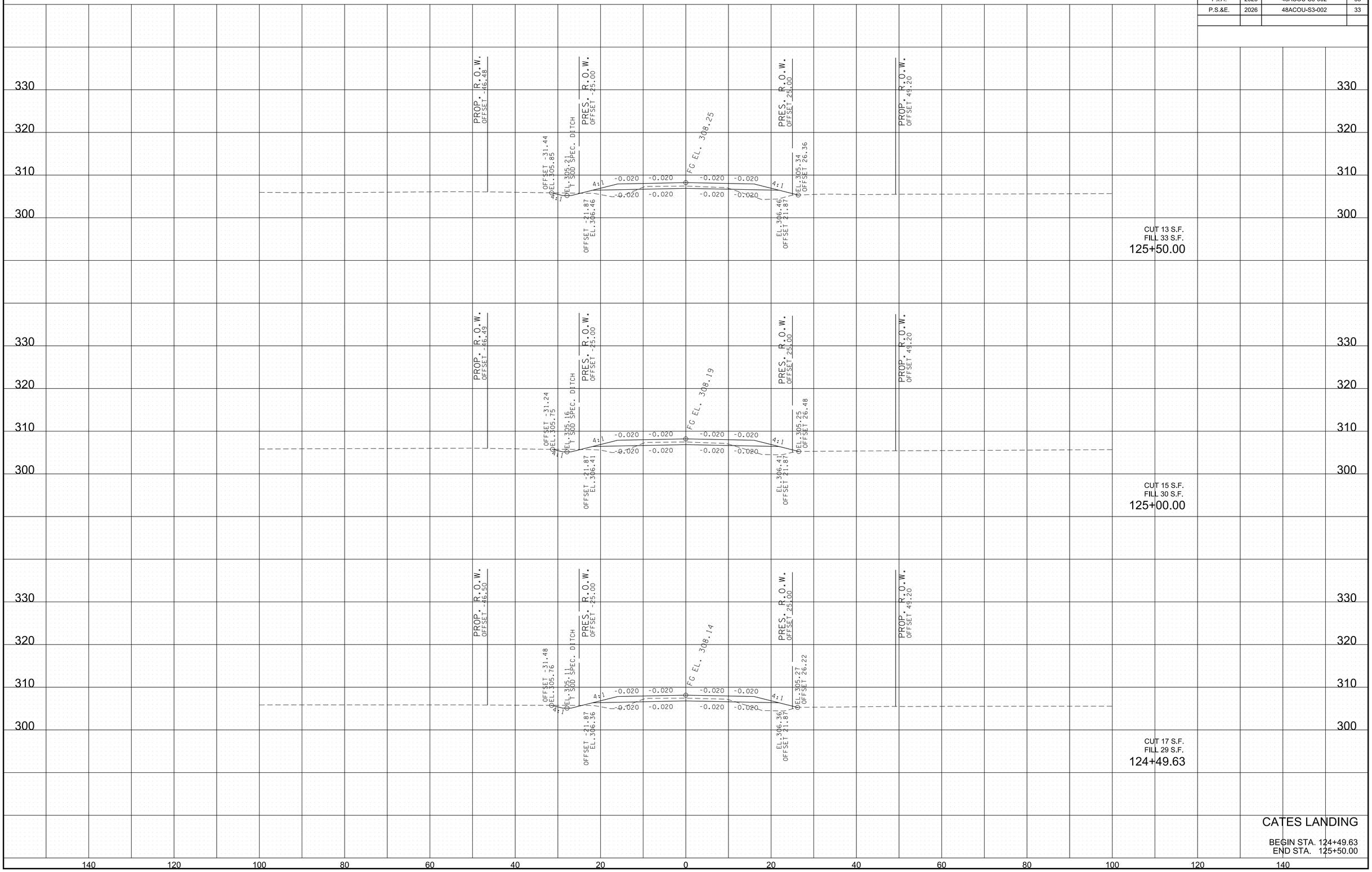


CATES LANDING

BEGIN STA. 123+00.00
END STA. 124+00.00

5/27/2026 11:14:06 AM
P:\0000_0100\0078250050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\CatesLandingXsections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	27
P.I.H.	2025	48ACOU-S3-002	33
P.S.&E.	2026	48ACOU-S3-002	33



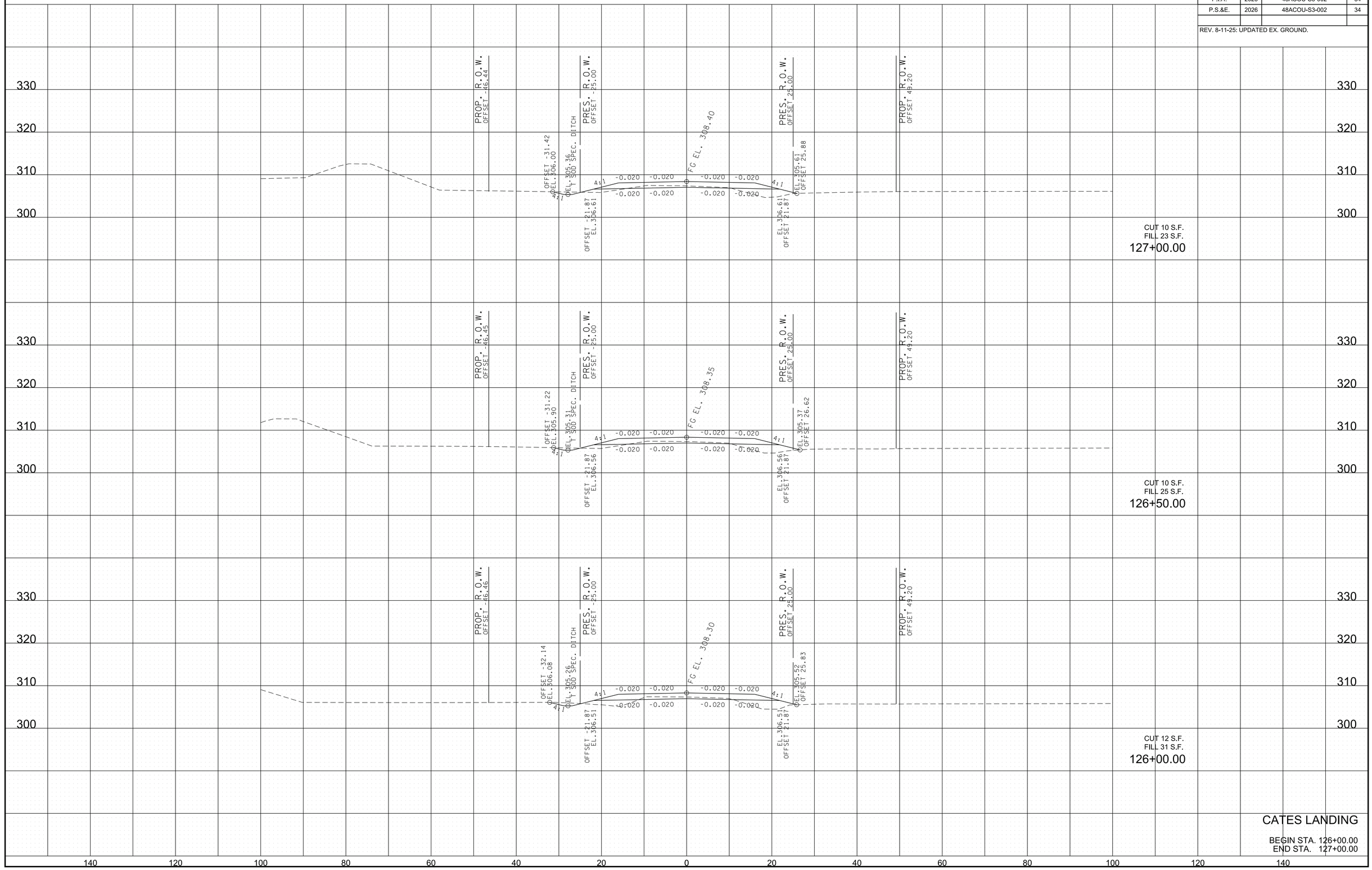
CATES LANDING

BEGIN STA. 124+49.63
END STA. 125+50.00

5/27/2026 11:14:07 AM
P:\0000_0100\0078250050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\CatesLandingXsections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	28
P.I.H.	2025	48ACOU-S3-002	34
P.S.&E.	2026	48ACOU-S3-002	34

REV. 8-11-25: UPDATED EX. GROUND.



CATES LANDING

BEGIN STA. 126+00.00
END STA. 127+00.00

5/27/2026 11:14:09 AM
P:\0000_0100\0078250050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\CatesLandingXsections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	29
P.I.H.	2025	48ACOU-S3-002	35
P.S.&E.	2026	48ACOU-S3-002	35

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.

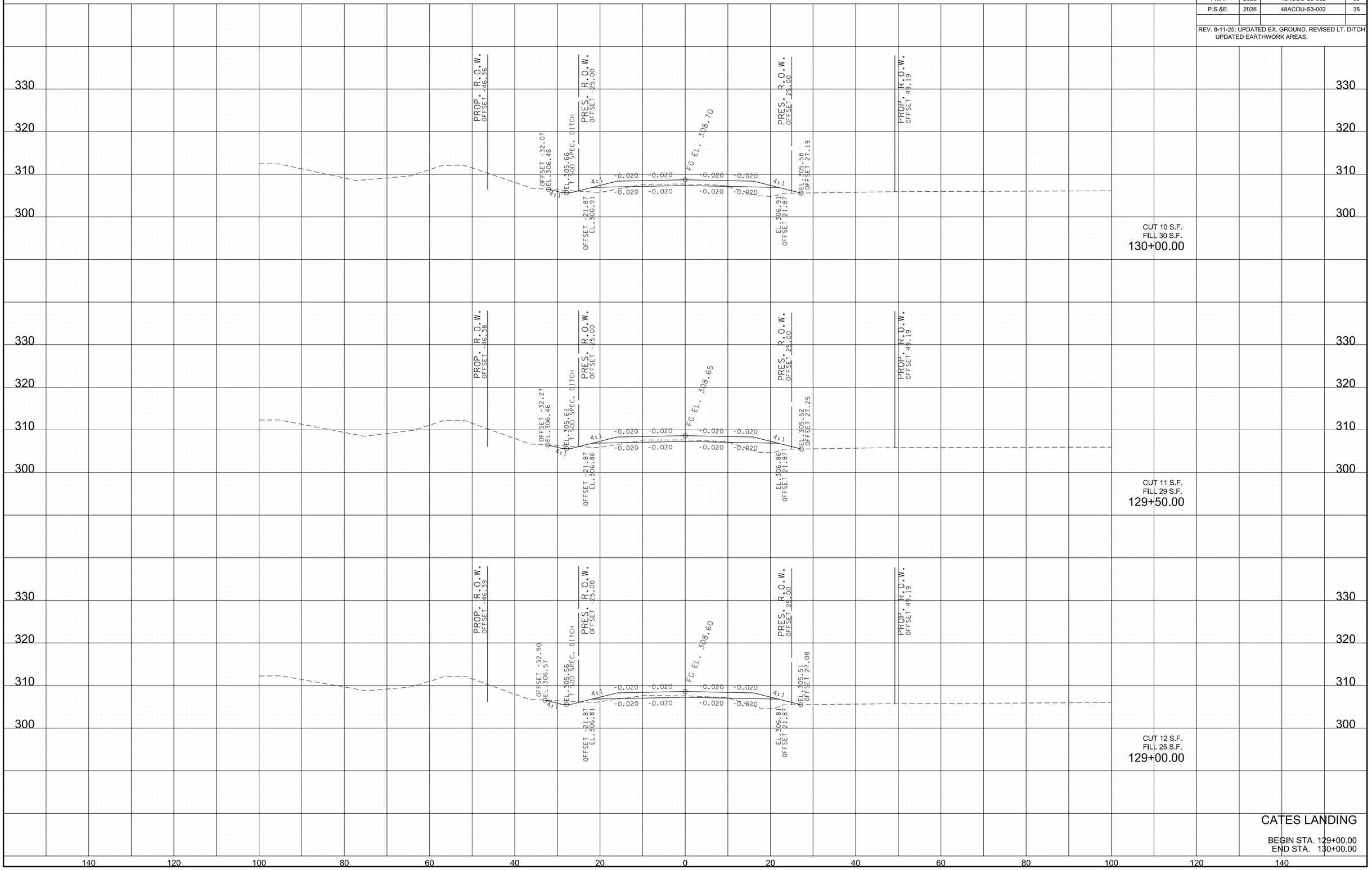
CATES LANDING

BEGIN STA. 127+50.00
END STA. 128+50.00

5/27/2026 11:14:10 AM
P:\0000_0100\007825O050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\CatesLandingXsections.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	30
P.I.H.	2025	48ACOU-S3-002	36
P.S.&E.	2026	48ACOU-S3-002	36

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



5/27/2026 11:14:11 AM
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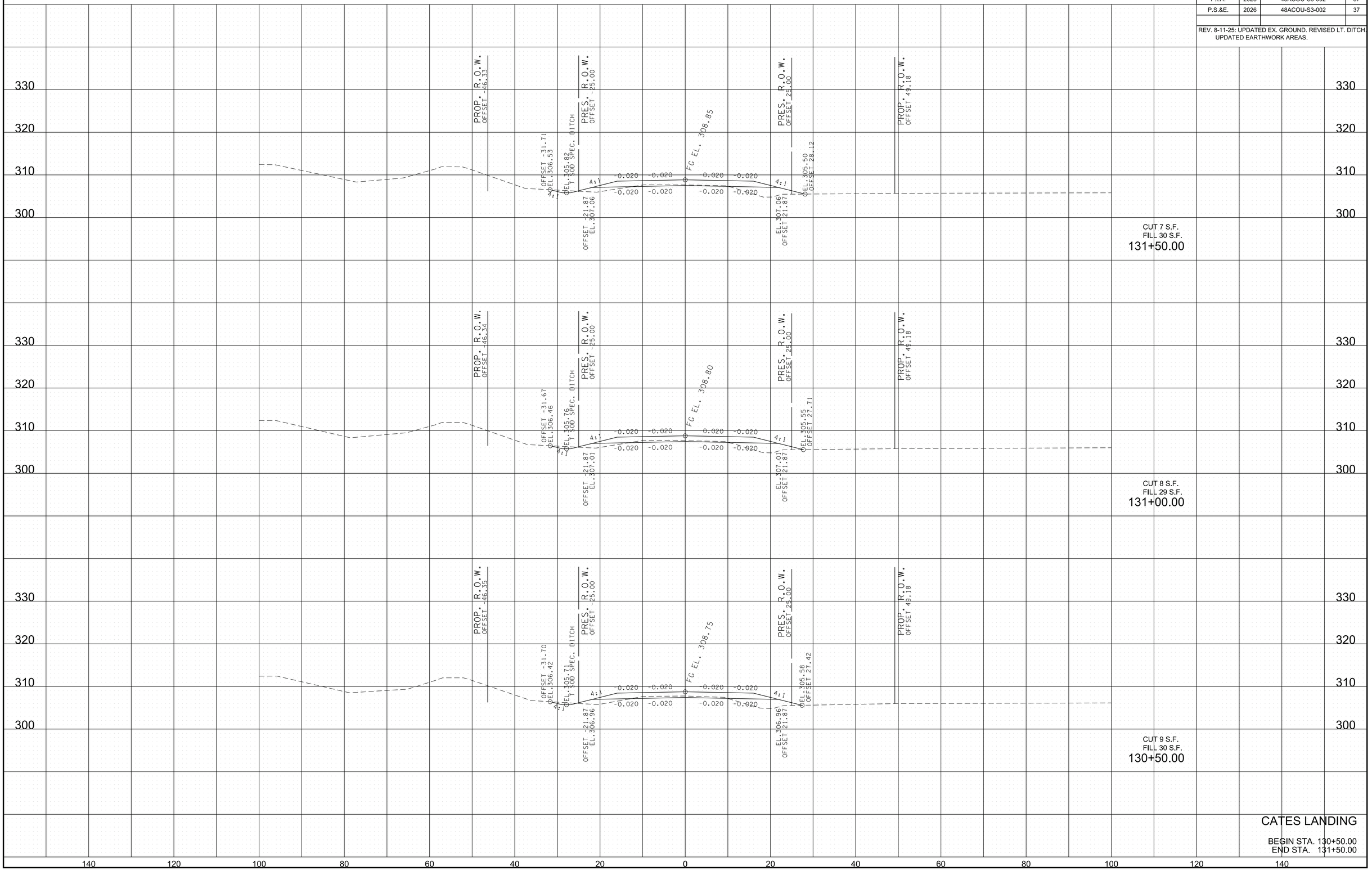
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	31
P.I.H.	2025	48ACOU-S3-002	37
P.S.&E.	2026	48ACOU-S3-002	37

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



CATES LANDING

BEGIN STA. 130+50.00
END STA. 131+50.00

5/27/2026 11:14:13 AM
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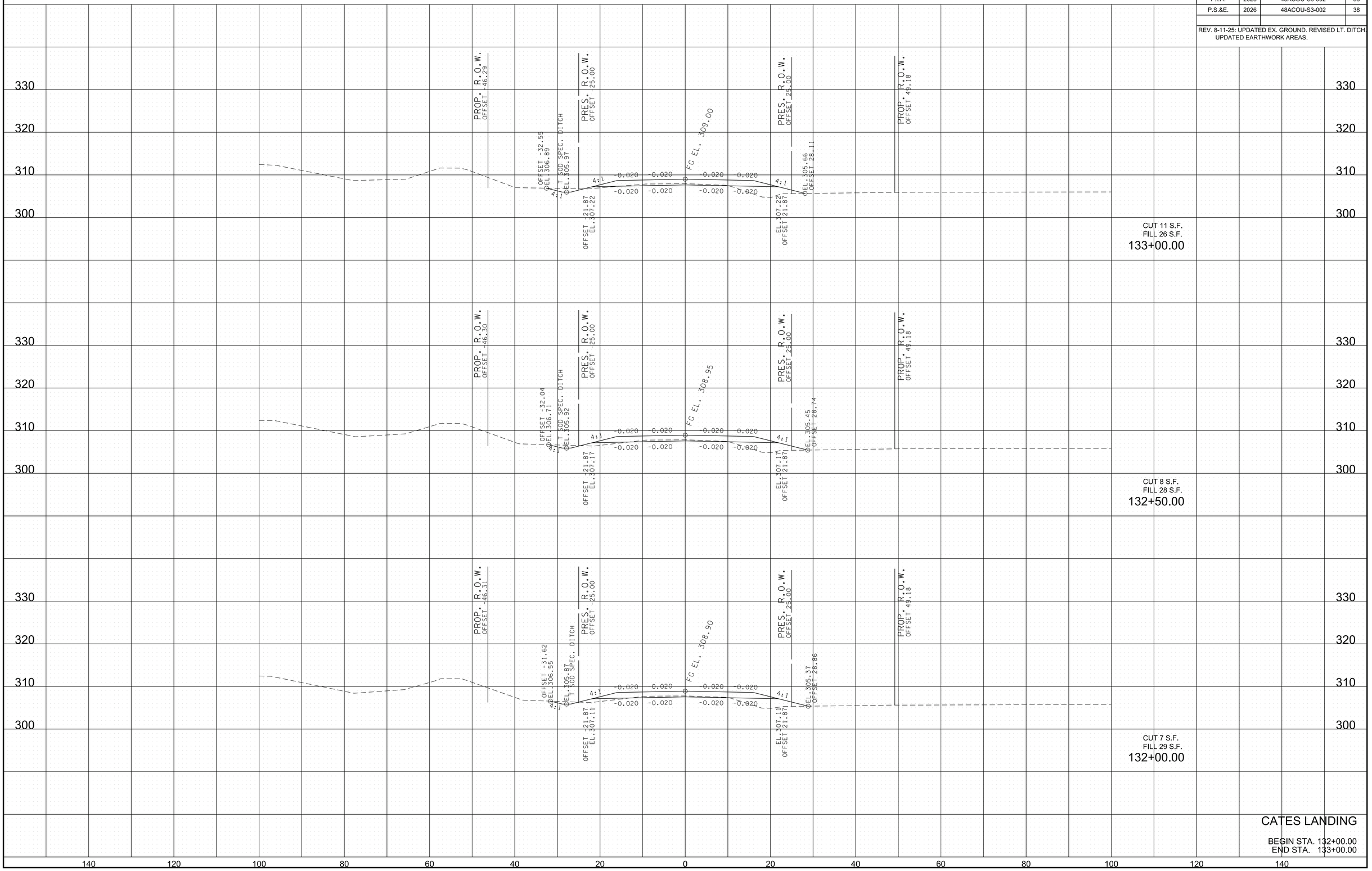
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	32
P.I.H.	2025	48ACOU-S3-002	38
P.S.&E.	2026	48ACOU-S3-002	38

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



CATES LANDING

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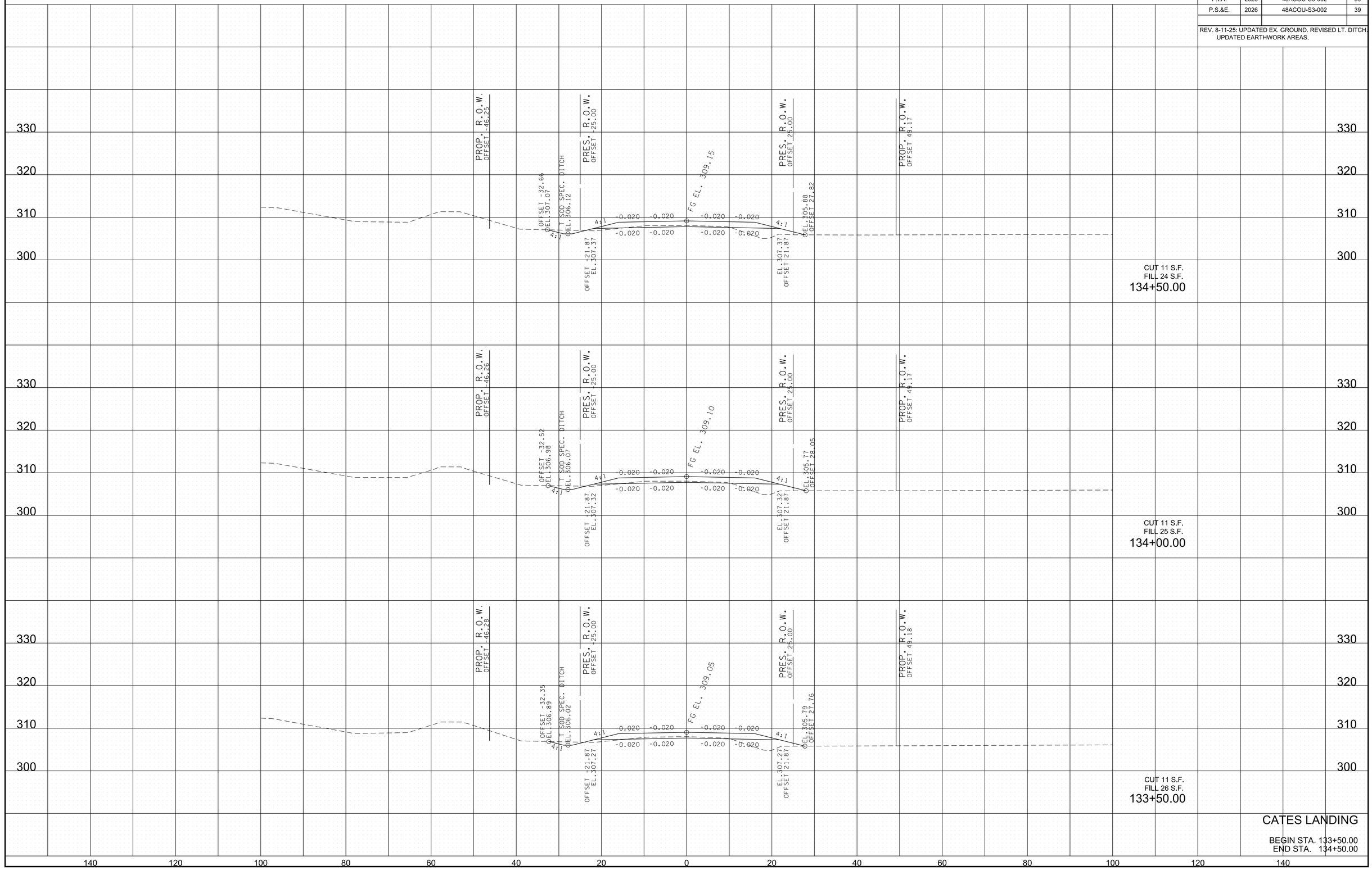
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	33
P.I.H.	2025	48ACOU-S3-002	39
P.S.&E.	2026	48ACOU-S3-002	39

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



CATES LANDING

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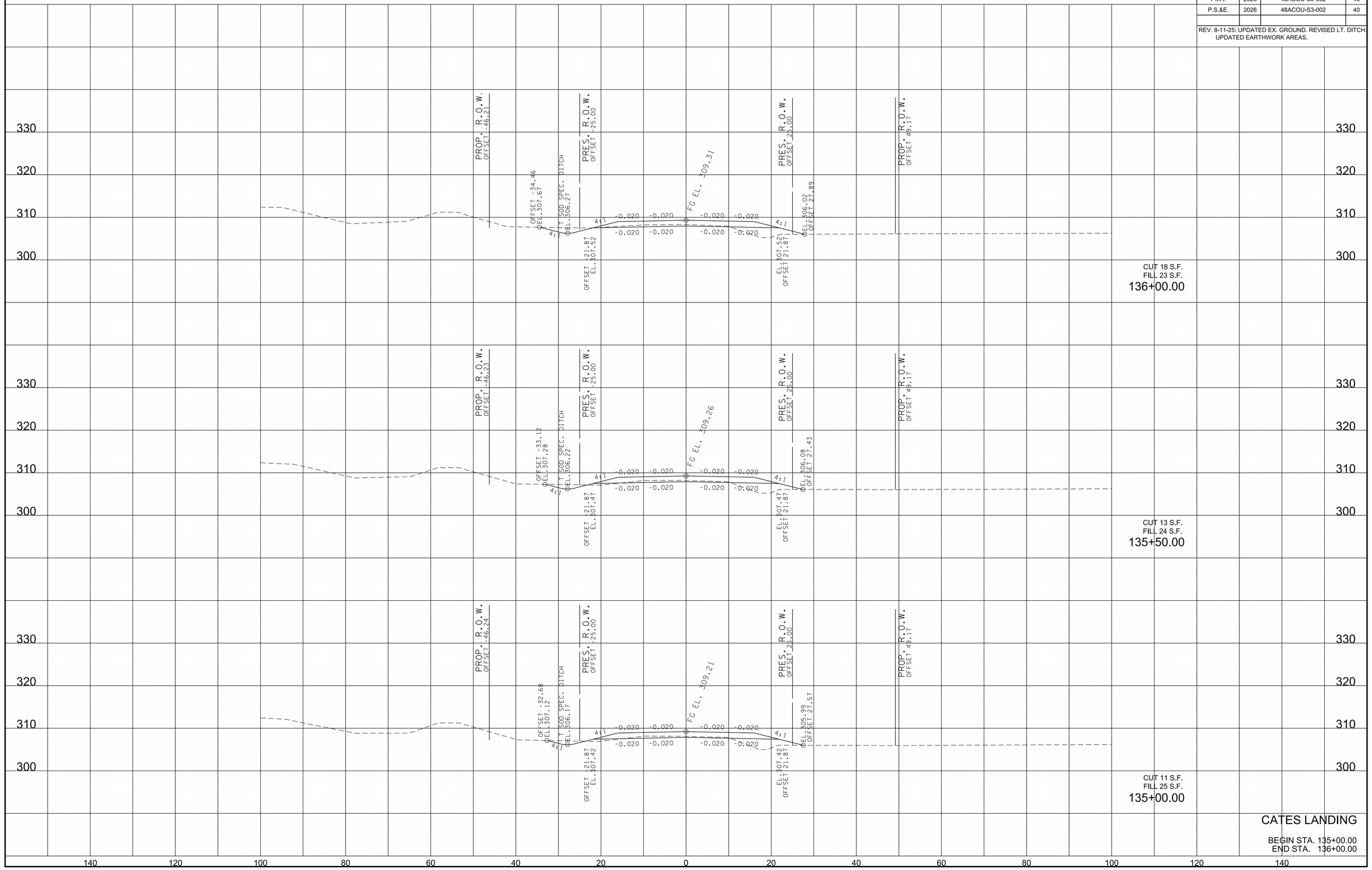
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	34
P.I.H.	2025	48ACOU-S3-002	40
P.S.&E.	2026	48ACOU-S3-002	40

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



CATES LANDING

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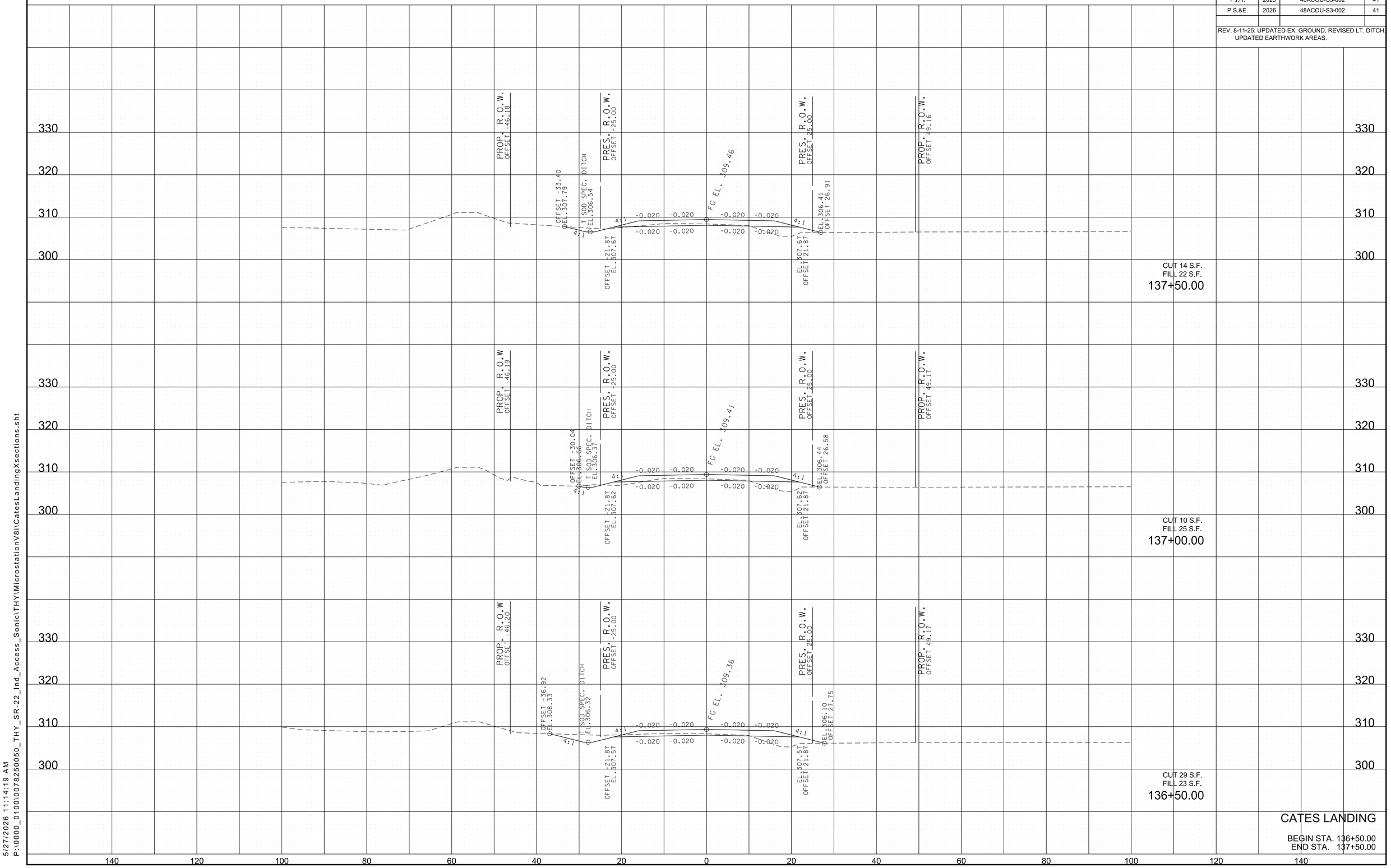
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	35
P.I.H.	2025	48ACOU-S3-002	41
P.S.&E.	2026	48ACOU-S3-002	41

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



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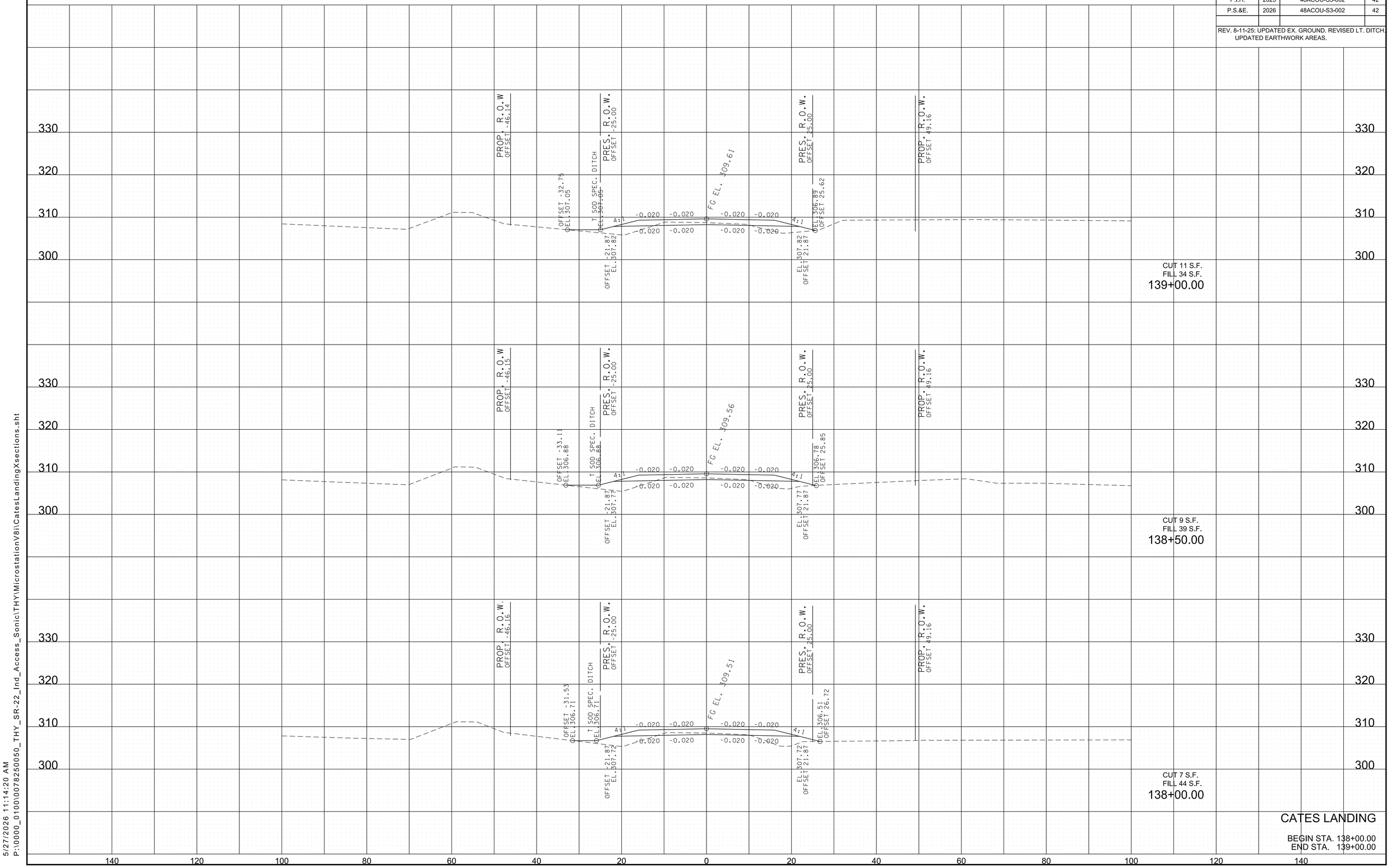
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	36
P.I.H.	2025	48ACOU-S3-002	42
P.S.&E.	2026	48ACOU-S3-002	42

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



CATES LANDING

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	37
P.I.H.	2025	48ACOU-S3-002	43
P.S.&E.	2026	48ACOU-S3-002	43

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.

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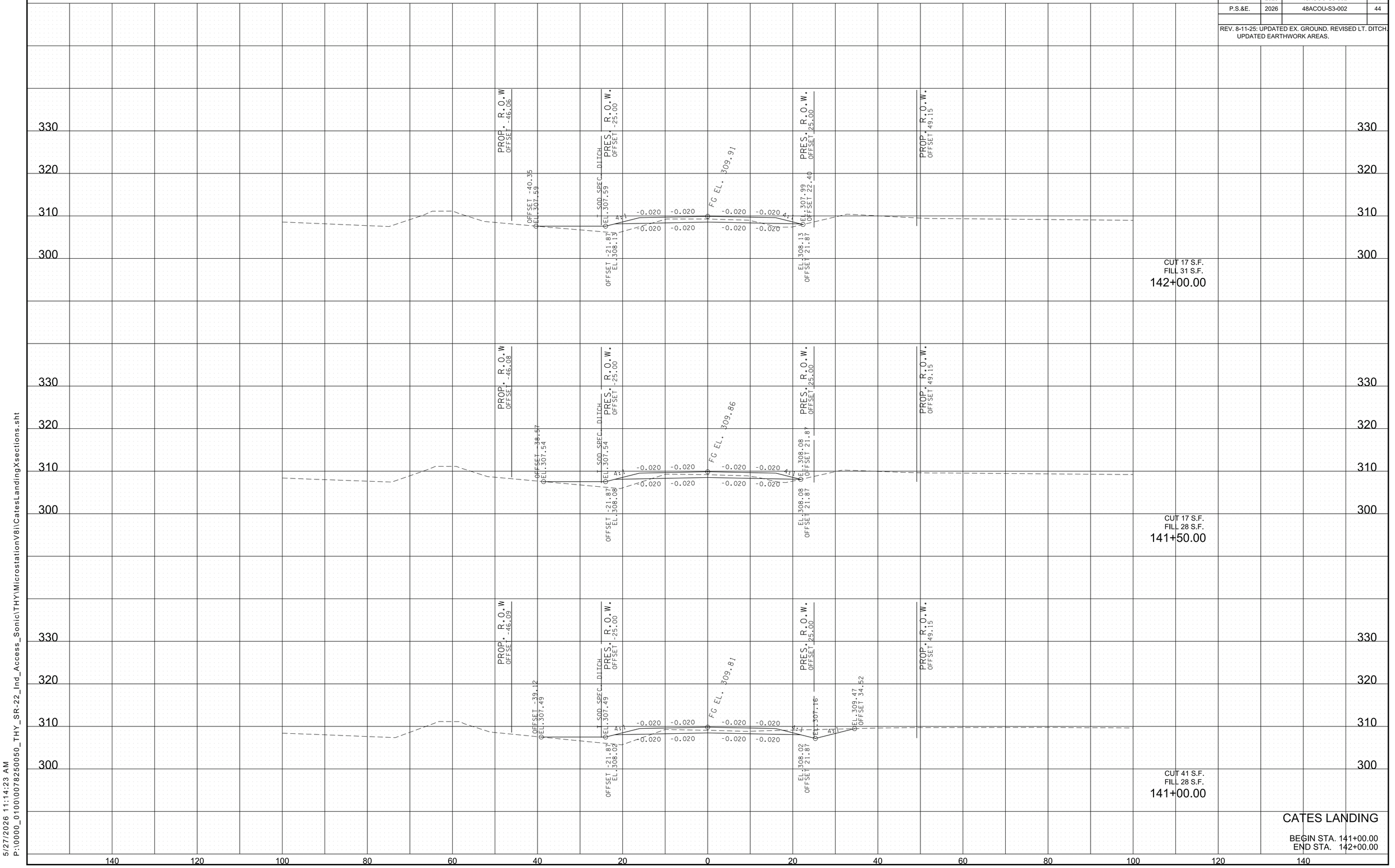
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	38
P.I.H.	2025	48ACOU-S3-002	44
P.S.&E.	2026	48ACOU-S3-002	44

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



CATES LANDING

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	39
P.I.H.	2025	48ACOU-S3-002	45
P.S.&E.	2026	48ACOU-S3-002	45

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.

CATES LANDING

BEGIN STA. 142+50.00
END STA. 143+50.00

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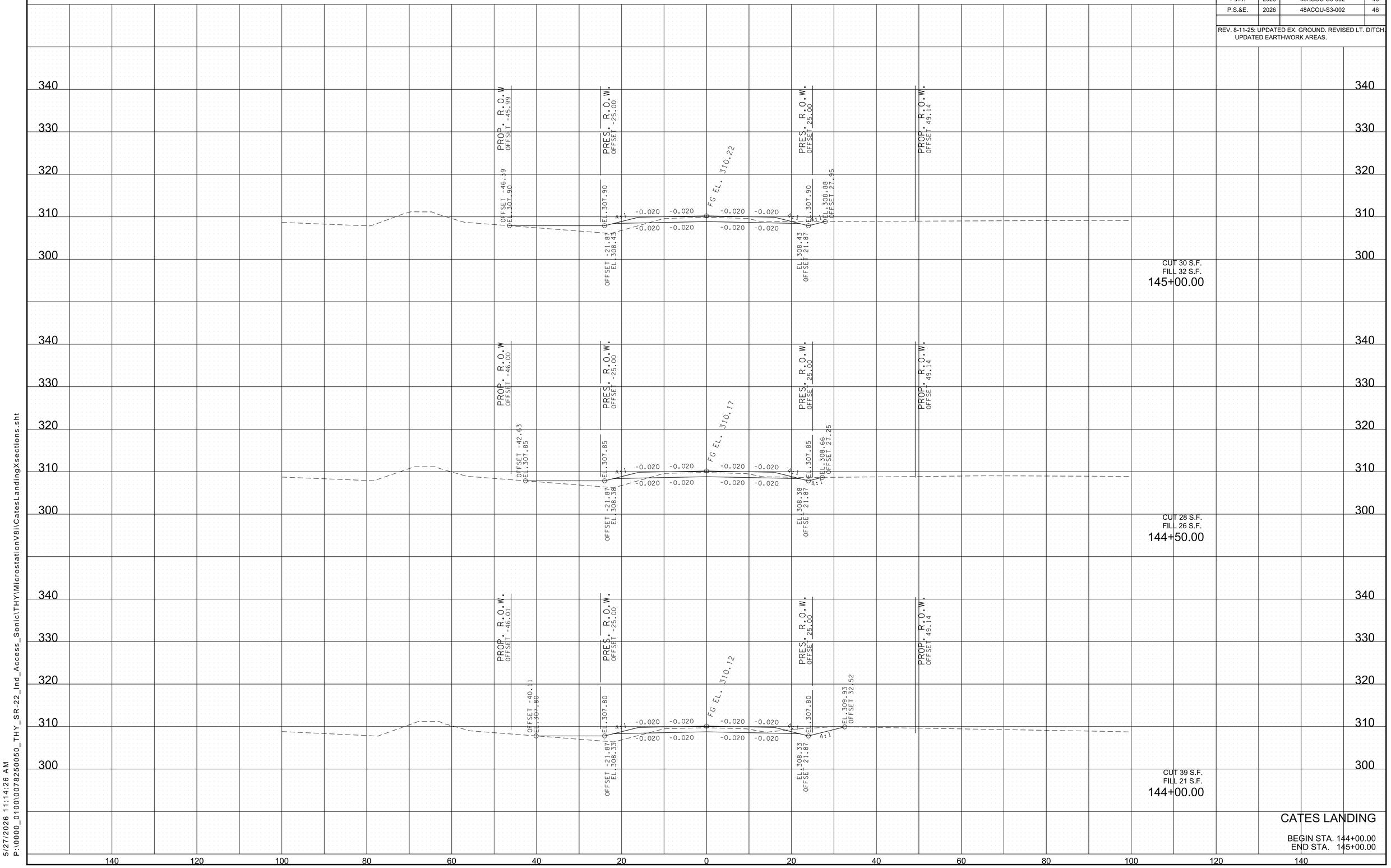
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	40
P.I.H.	2025	48ACOU-S3-002	46
P.S.&E.	2026	48ACOU-S3-002	46

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



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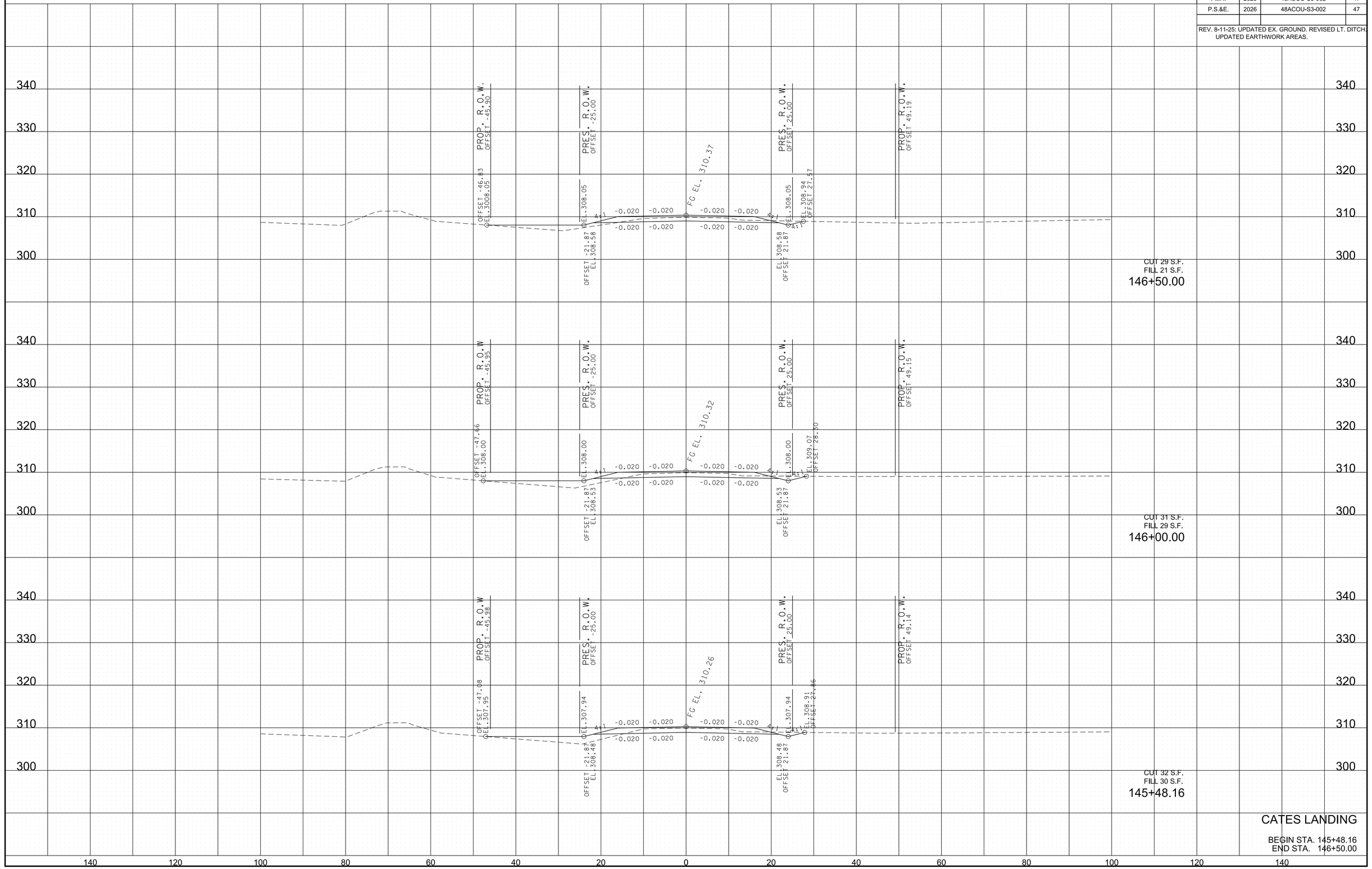
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	41
P.I.H.	2025	48ACOU-S3-002	47
P.S.&E.	2026	48ACOU-S3-002	47

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



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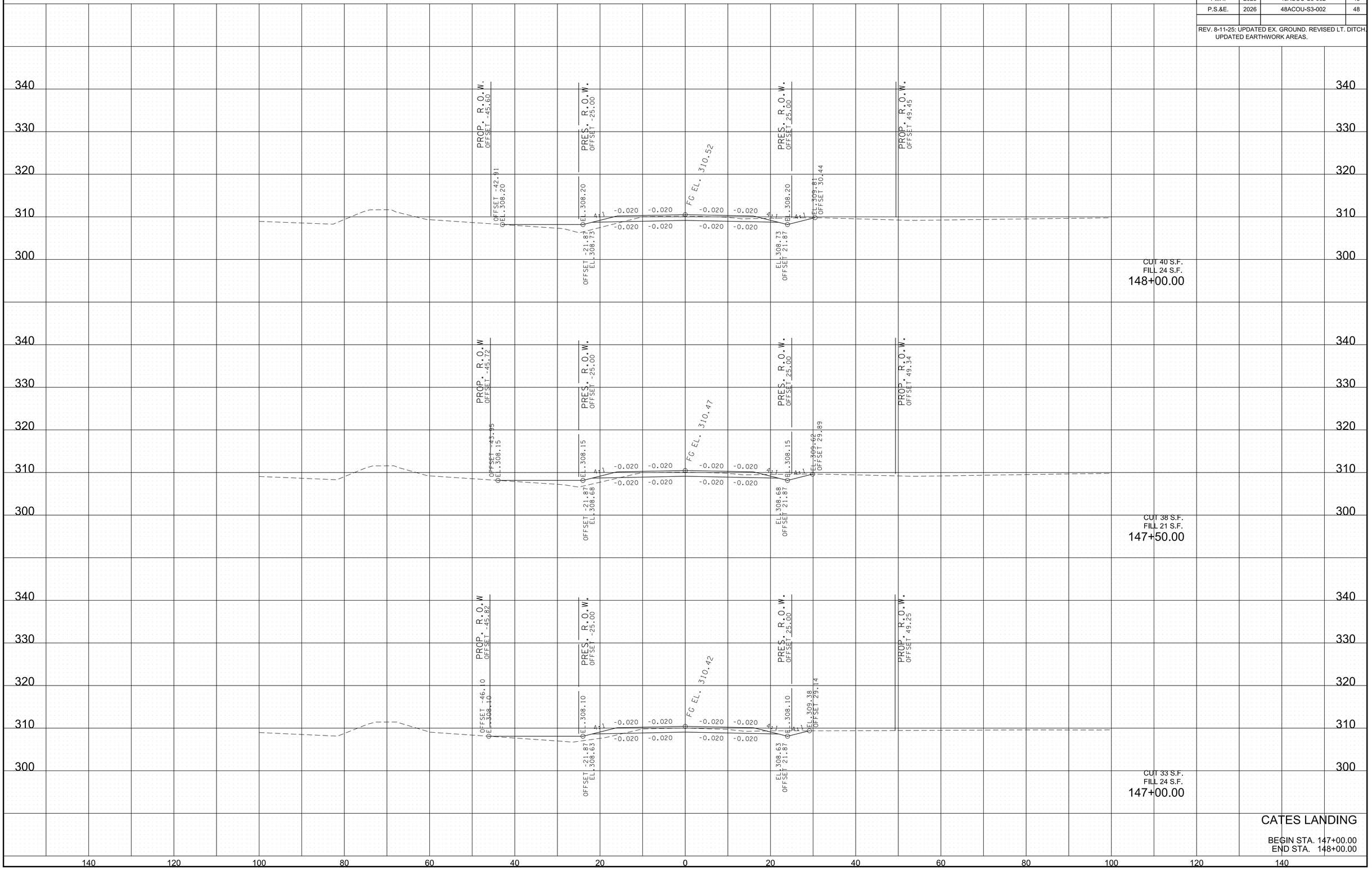
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	42
P.I.H.	2025	48ACOU-S3-002	48
P.S.&E.	2026	48ACOU-S3-002	48

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



CATES LANDING

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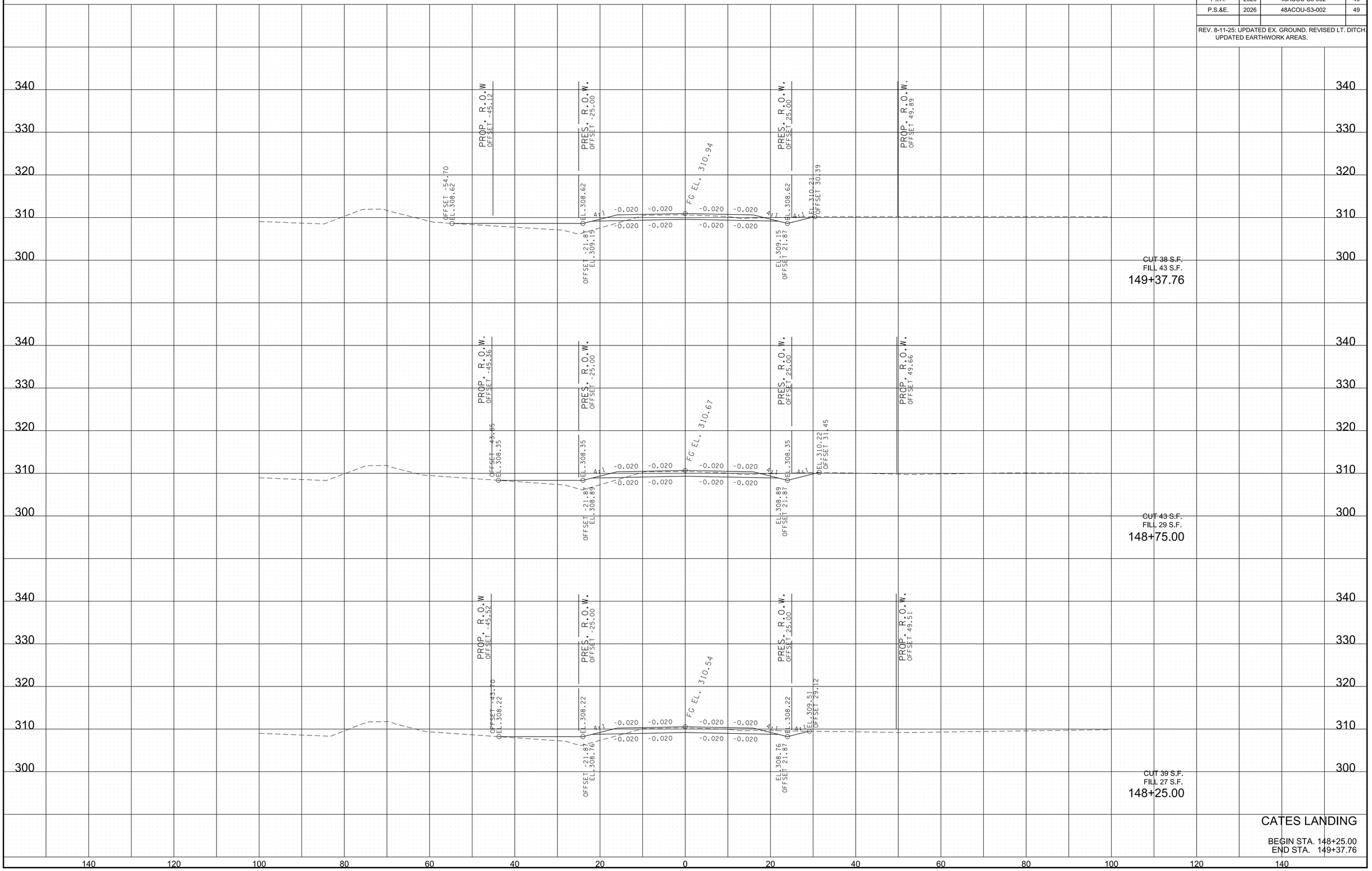
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	43
P.I.H.	2025	48ACOU-S3-002	49
P.S.&E.	2026	48ACOU-S3-002	49

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



CATES LANDING

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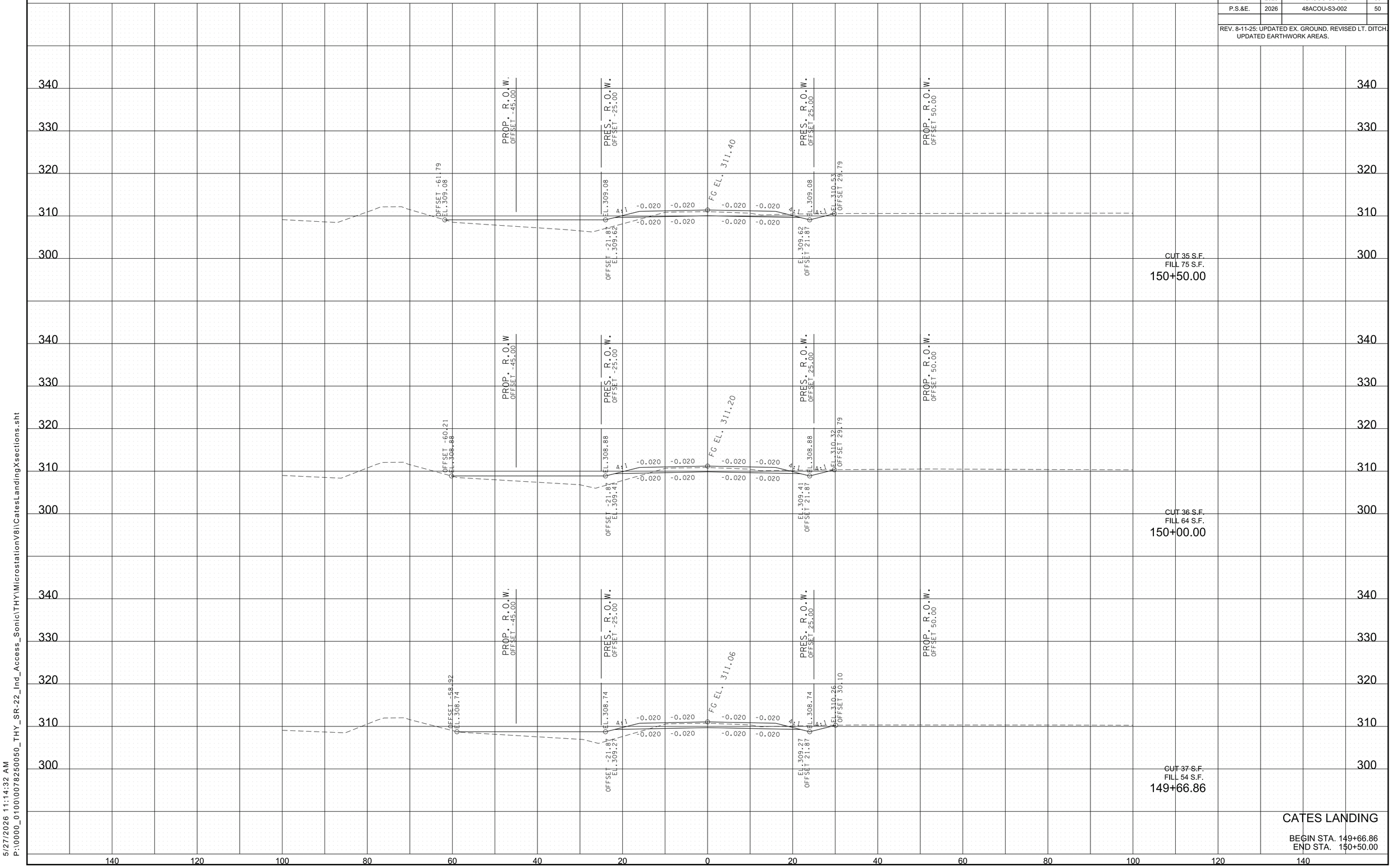
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	44
P.I.H.	2025	48ACOU-S3-002	50
P.S.&E.	2026	48ACOU-S3-002	50

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



CATES LANDING

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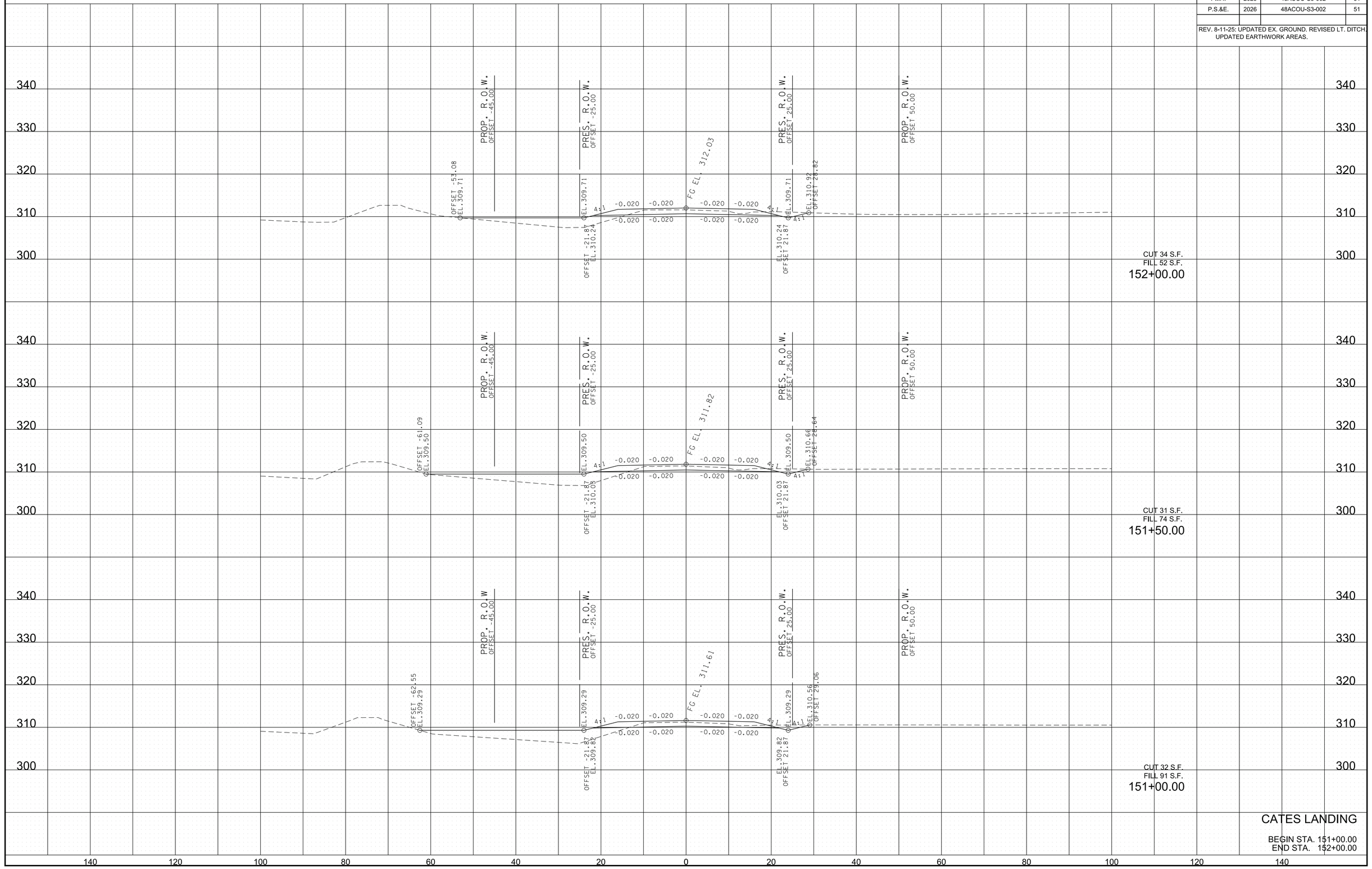
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	45
P.I.H.	2025	48ACOU-S3-002	51
P.S.&E.	2026	48ACOU-S3-002	51

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



CATES LANDING

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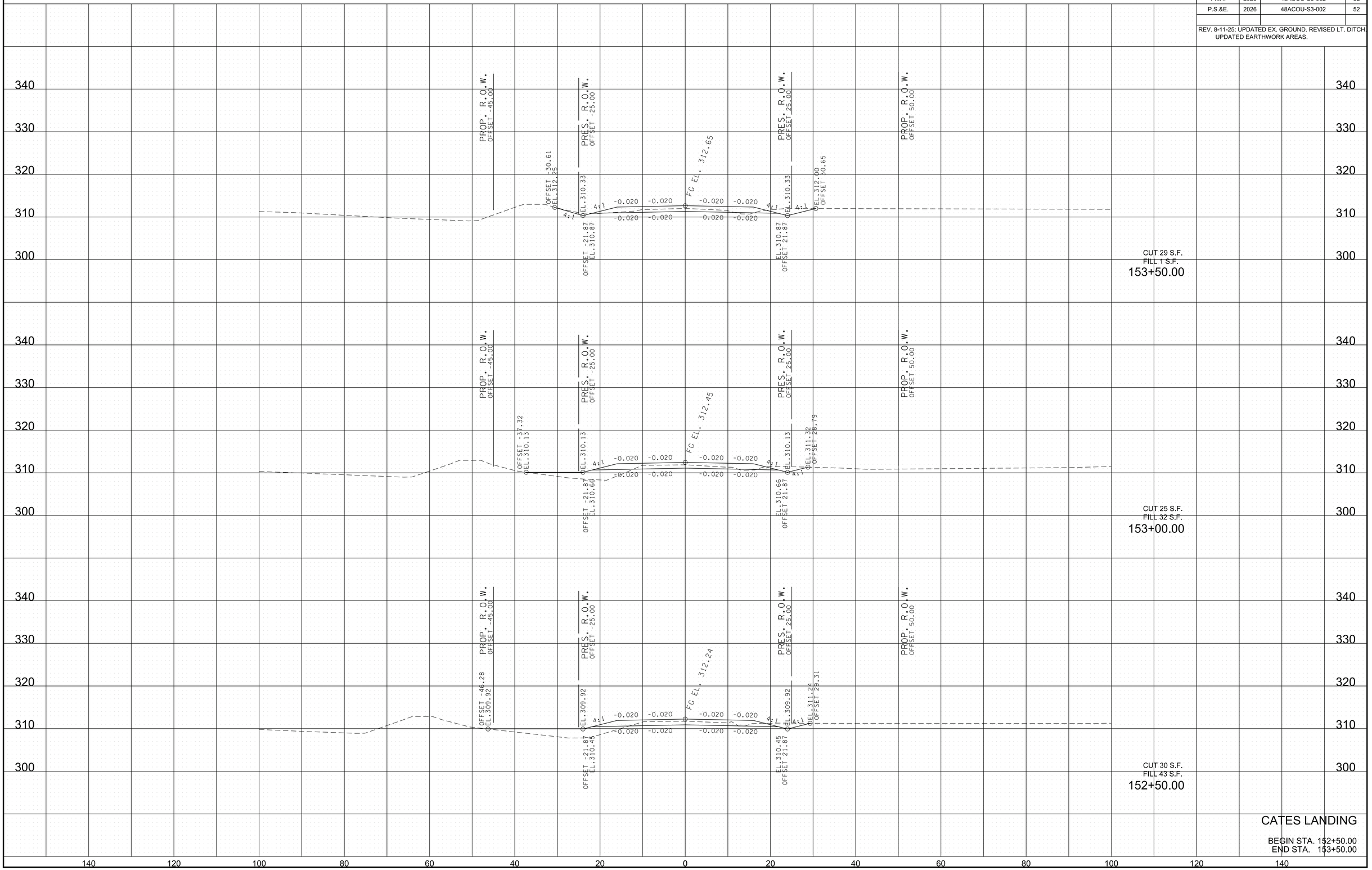
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	46
P.I.H.	2025	48ACOU-S3-002	52
P.S.&E.	2026	48ACOU-S3-002	52

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH.
UPDATED EARTHWORK AREAS.



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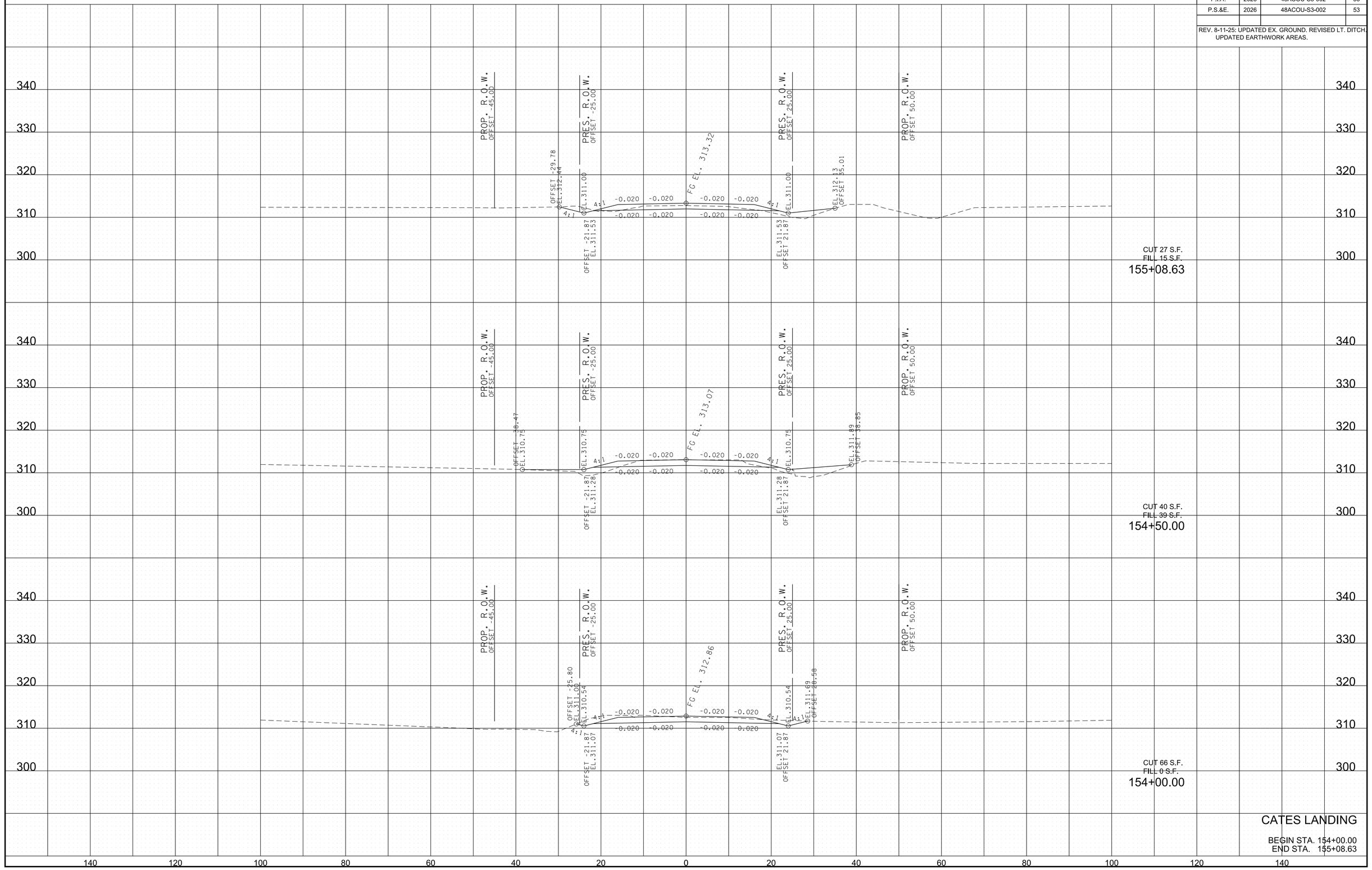
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	47
P.I.H.	2025	48ACOU-S3-002	53
P.S.&E.	2026	48ACOU-S3-002	53

REV. 8-11-25: UPDATED EX. GROUND. REVISED LT. DITCH. UPDATED EARTHWORK AREAS.



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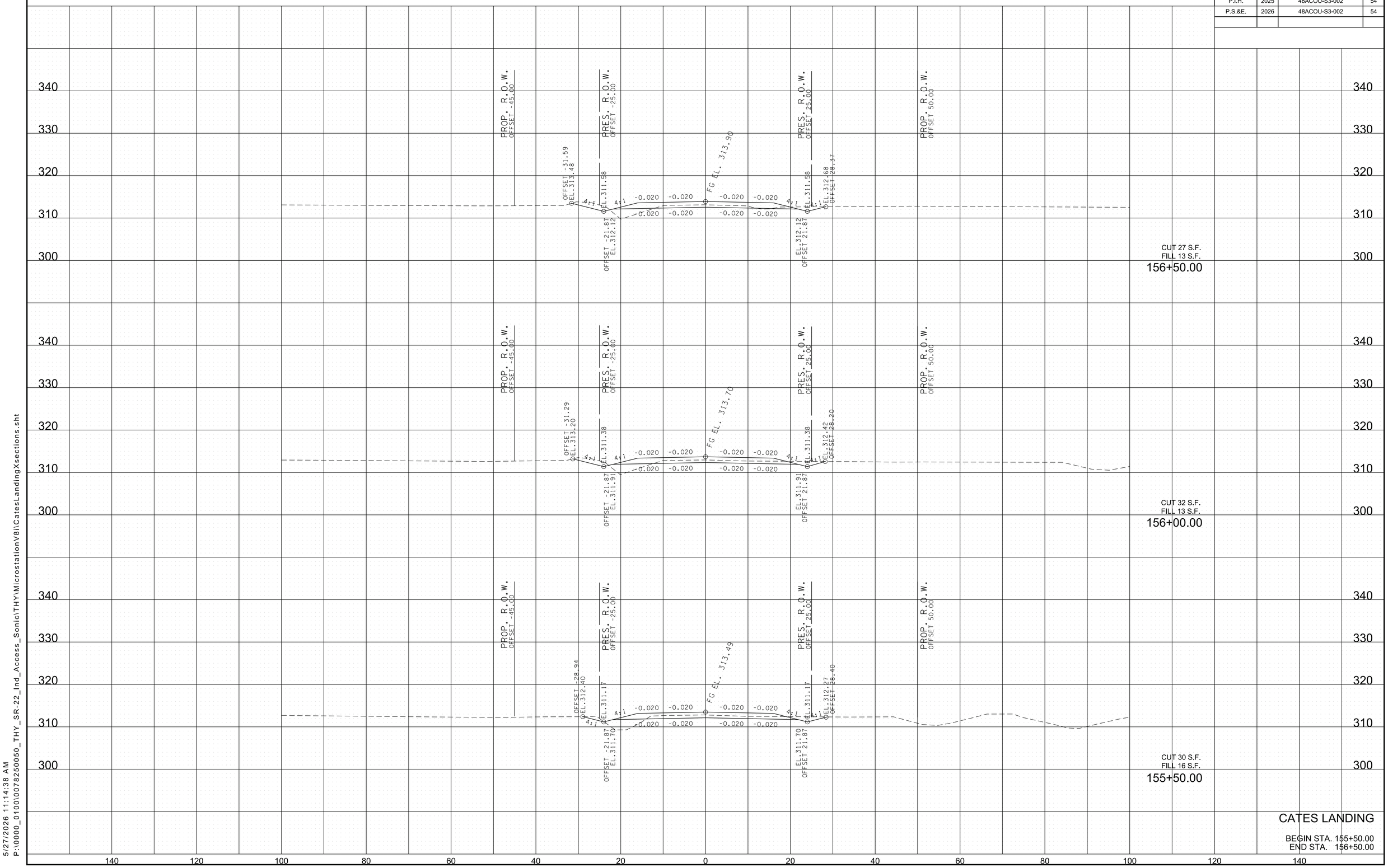
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	48
P.I.H.	2025	48ACOU-S3-002	54
P.S.&E.	2026	48ACOU-S3-002	54



CATES LANDING

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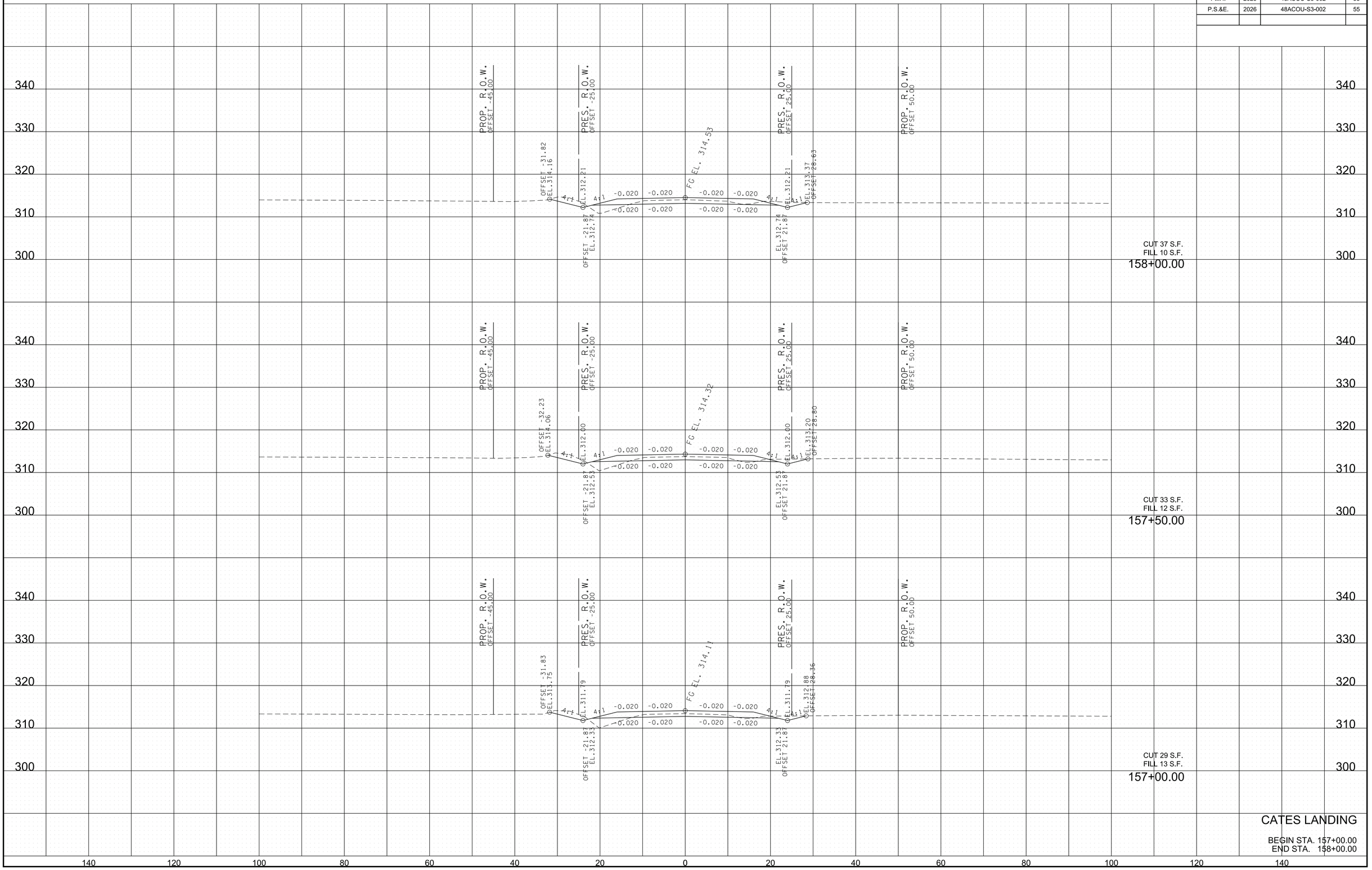
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	49
P.I.H.	2025	48ACOU-S3-002	55
P.S.&E.	2026	48ACOU-S3-002	55



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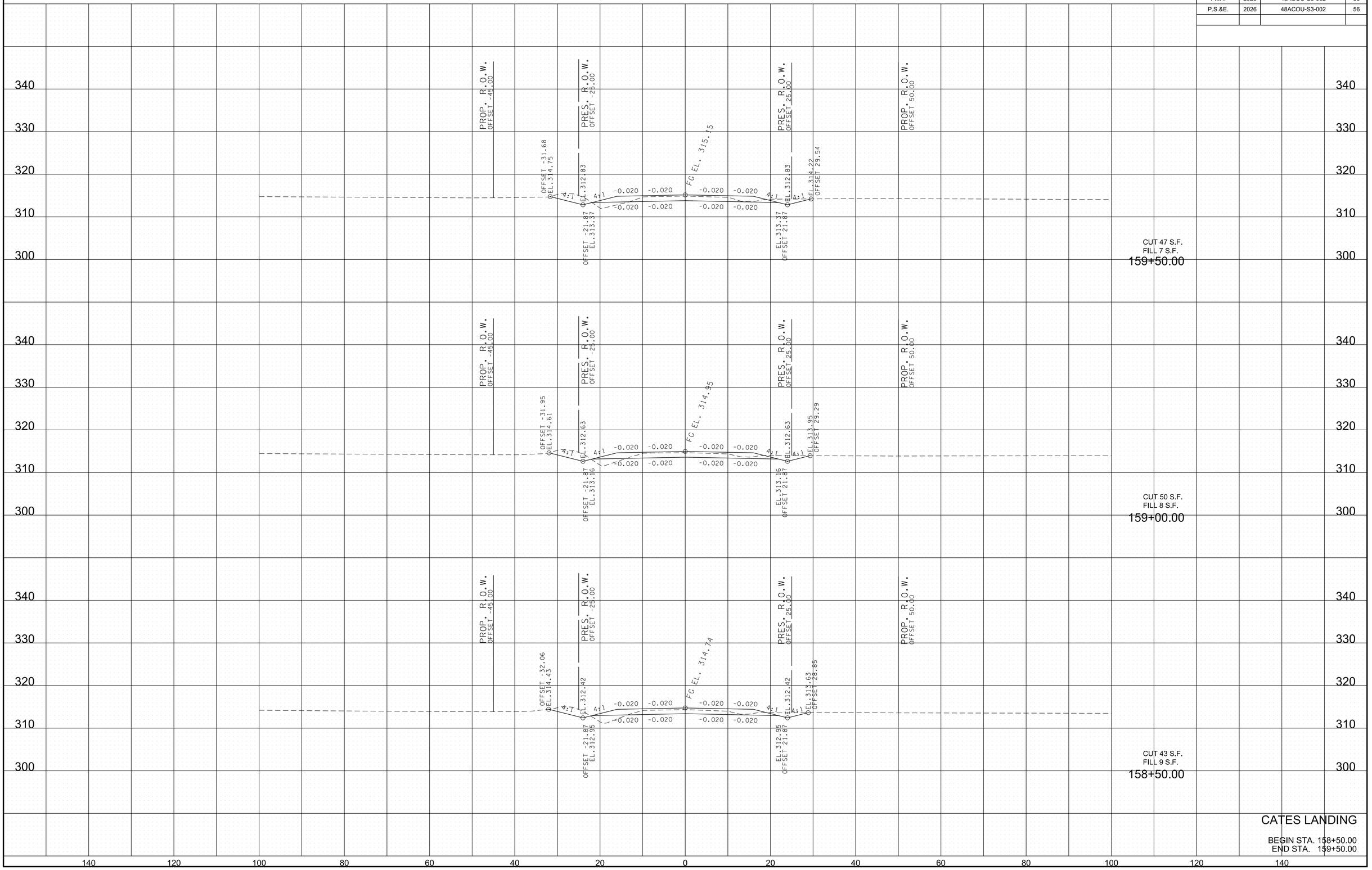
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	50
P.I.H.	2025	48ACOU-S3-002	56
P.S.&E.	2026	48ACOU-S3-002	56



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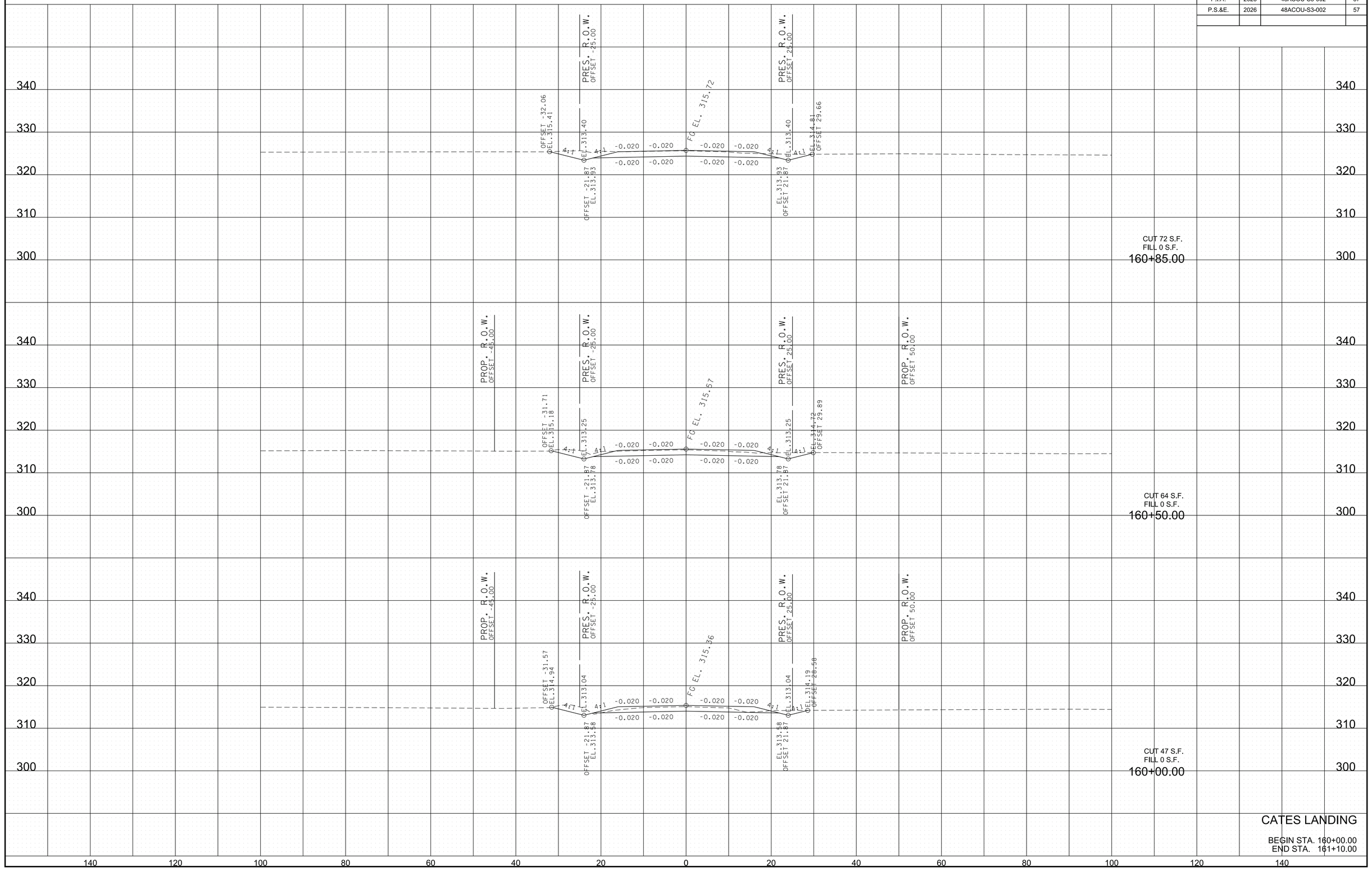
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	51
P.I.H.	2025	48ACOU-S3-002	57
P.S.&E.	2026	48ACOU-S3-002	57



CATES LANDING

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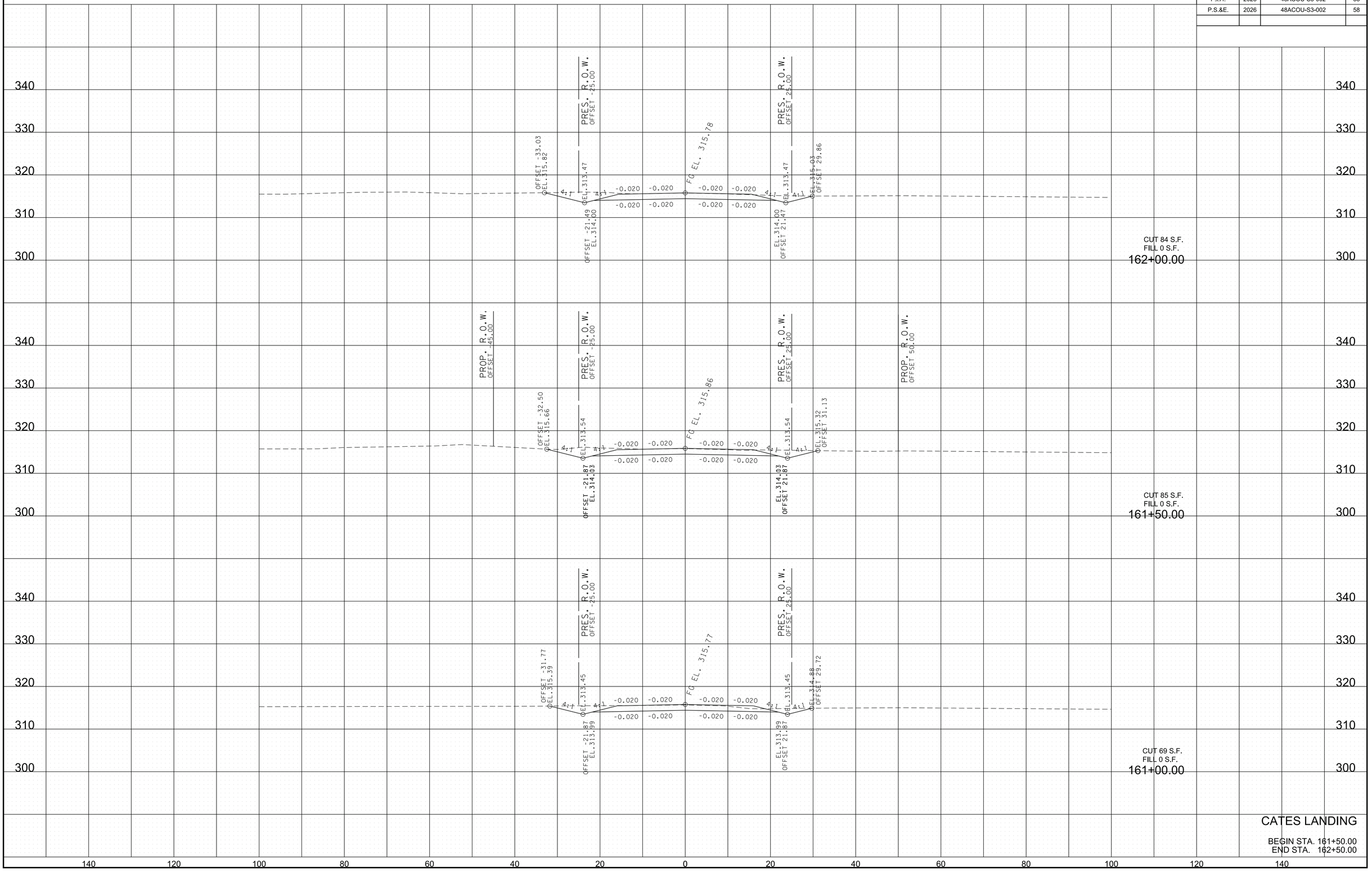
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	52
P.I.H.	2025	48ACOU-S3-002	58
P.S.&E.	2026	48ACOU-S3-002	58



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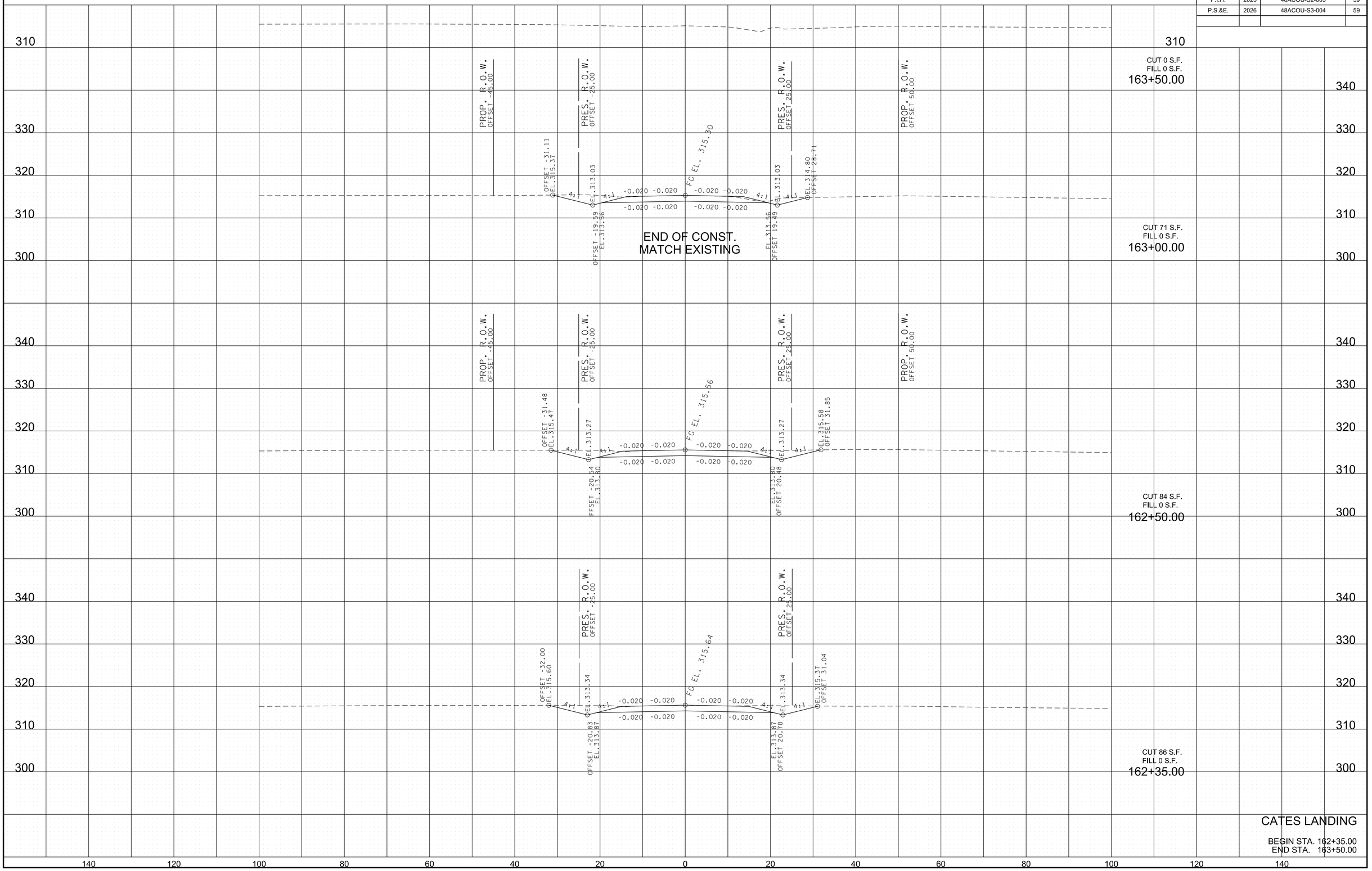
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	53
P.I.H.	2025	48ACOU-S2-003	59
P.S.&E.	2026	48ACOU-S3-004	59



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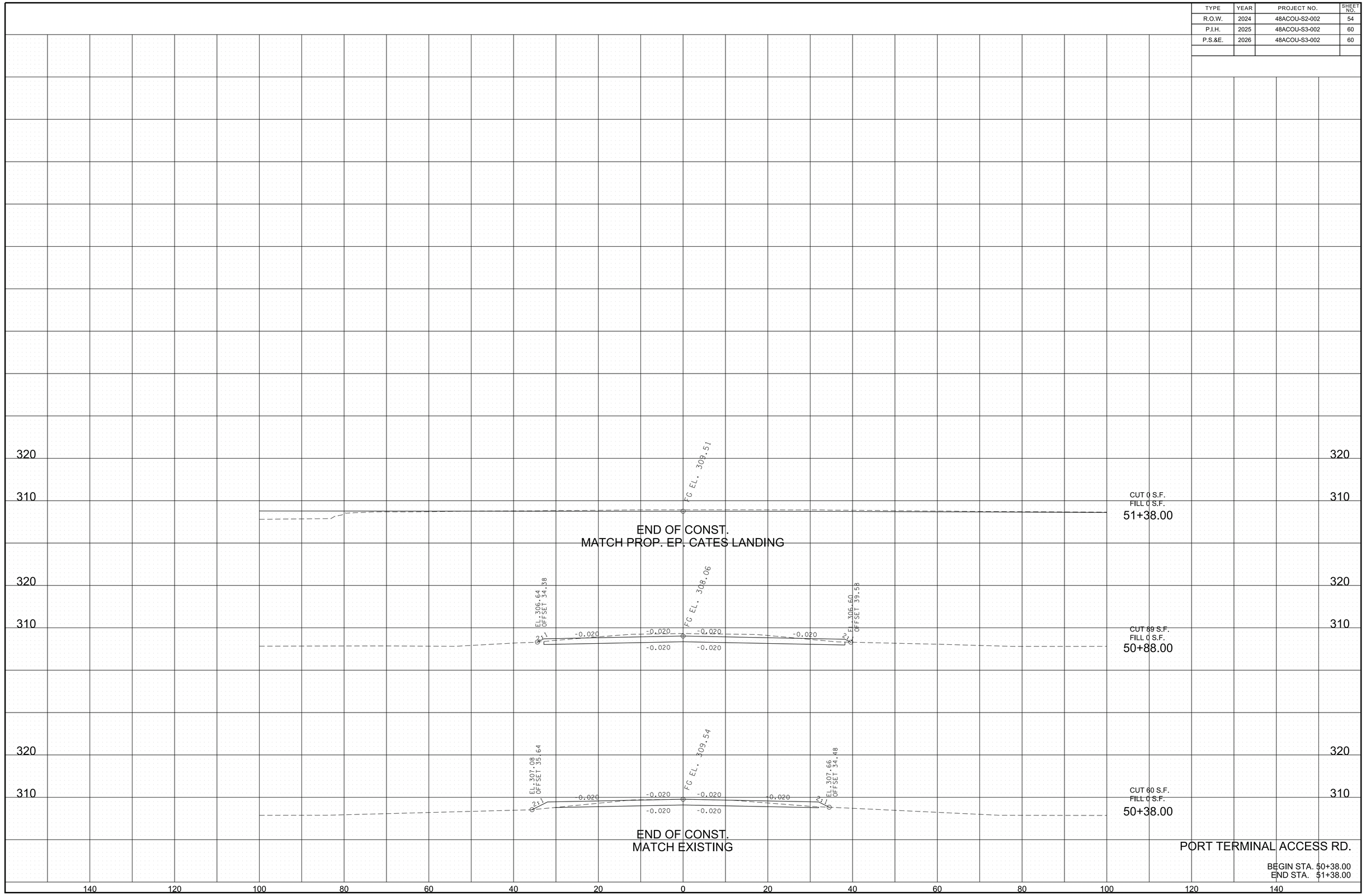
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	54
P.I.H.	2025	48ACOU-S3-002	60
P.S.&E.	2026	48ACOU-S3-002	60



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T1
P.I.H.	2025	48ACOU-S3-002	T1
P.S.&E.	2026	48ACOU-S3-002	T1

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

A. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES OR TRAFFIC LANE AND SHOULDER WHERE THE TRAFFIC LANE IS BEING USED BY TRAFFIC, CAUSED BY BASE, PAVING OR RESURFACING:

1. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 0.75 INCH AND NOT EXCEEDING 1.75 INCHES:

   a. WARNING SIGNS, UNEVEN LANES (W8-11) AND/OR SHOULDER DROP-OFF WITH PLAQUE (W8-17 AND W8-17P), SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   b. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY ADDED PAVEMENT SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

   c. DIFFERENCES IN ELEVATION BETWEEN ADJACENT TRAFFIC LANES BEING UTILIZED BY TRAFFIC CAUSED BY COLD PLANING SHALL BE ELIMINATED WITHIN THREE WORKDAYS.

   d. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE TRAFFIC LANE BEING UTILIZED BY TRAFFIC AND SHOULDER THE DIFFERENCE IN ELEVATION SHALL BE ELIMINATED WITHIN SEVEN WORKDAYS AFTER THE CONDITION IS CREATED.

2. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 1.75 INCHES AND NOT EXCEEDING 6 INCHES, TRAFFIC IS NOT TO BE ALLOWED TO TRAVERSE THIS DIFFERENCE IN ELEVATION.

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

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

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

   b. IF THE DIFFERENCE IN ELEVATION IS ELIMINATED OR DECREASED TO 2 INCHES OR LESS BY THE END OF EACH WORKDAY, CONES MAY BE USED DURING DAYLIGHT HOURS IN LIEU OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES MENTIONED IN PARAGRAPH a, PROVIDED WARNING SIGNS ARE ERECTED. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   c. WHEN THE DIFFERENCE IN ELEVATION IS BETWEEN THE THROUGH TRAFFIC LANE AND THE SHOULDER AND THE ELEVATION DIFFERENCE IS LESS THAN 3 INCHES, THE CONTRACTOR MAY USE WARNING SIGNS AND/OR PROTECTIVE DEVICES AS APPLICABLE AND APPROVED BY THE REGIONAL TRAFFIC ENGINEER. SEE PARAGRAPH a REGARDING USE OF DRUMS, BARRICADES OR OTHER APPROVED PROTECTIVE DEVICES. WARNING SIGNS (UNEVEN LANES AND/OR SHOULDER DROP-OFF) WILL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. WHERE UNEVEN PAVEMENT IS ENCOUNTERED, SIGNS SHALL BE PLACED ON EACH SIDE OF THE ROADWAY.

   IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 2 MILES IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

3. DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 6 INCHES BUT NOT EXCEEDING 18 INCHES, THE CONTRACTOR, WITH THE ENGINEER'S APPROVAL, MAY UTILIZE ONE OF THE FOLLOWING:

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

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

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

   IN ORDER TO USE THIS METHOD, THE CONTRACTOR MUST REDUCE THE DIFFERENCE IN ELEVATION TO 6 INCHES OR LESS BY THE END OF THE WORKDAY THAT THE CONDITION IS CREATED.

   b. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a, AND CONSTRUCT A STONE WEDGE WITH A 4:1 SLOPE, OR FLATTER, TO ELIMINATE THE VERTICAL OFFSET IF THE LOWER ELEVATION IS AT OR BELOW SUBGRADE AT THE END OF EACH DAY.

   c. THE CONTRACTOR SHALL PROVIDE DRUMS, BARRICADES OR OTHER APPROVED SEPARATION DEVICES AS SPECIFIED IN PARAGRAPH a AND IF THE LOWER ELEVATION IS BASE STONE OR ASPHALT PAVEMENT, PLACEMENT OF SUBSEQUENT LAYERS OF PAVEMENT MUST BEGIN THE NEXT WORK DAY AND PROGRESS CONTINUOUSLY UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED OR REDUCED TO SIX INCHES OR LESS.

   d. THE CONTRACTOR SHALL PROVIDE SEPARATION BY PORTABLE BARRIER RAIL.

   FOR PRECEDING CONDITIONS a, b, AND c, THE CONTRACTOR SHALL USE THE SHOULDER DROP-OFF WARNING SIGN WITH PLAQUE (W8-17 AND W8-17P). IT SHALL BE PLACED IN ADVANCE OF AND THROUGHOUT THE EXPOSED AREA. MAXIMUM SPACING BETWEEN THE SIGNS SHALL BE 2,000 FEET WITH A MINIMUM OF 2 SIGNS PER EXPOSED AREA. IN THESE SITUATIONS, THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

4. FOR DIFFERENCES IN ELEVATION BETWEEN ADJACENT ROADWAY ELEMENTS GREATER THAN 18 INCHES.

   SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

   IN THIS SITUATION THE CONTRACTOR SHALL LIMIT HIS OPERATIONS TO ONE WORK ZONE NOT EXCEEDING 1 MILE IN LENGTH UNLESS OTHERWISE NOTED ON THE PLANS OR APPROVED BY THE ENGINEER. ONCE THE CONTRACTOR BEGINS WORK IN A WORK ZONE, A CONTINUOUS OPERATION SHALL BE MAINTAINED UNTIL THE DIFFERENCE IN ELEVATION IS ELIMINATED. SIMULTANEOUS WORK ON SEPARATE ROADWAYS OF DIVIDED HIGHWAYS WILL BE CONSIDERED INDEPENDENTLY IN REGARD TO RESTRICTION OF WORK ZONE ACTIVITY.

B. IF THE DIFFERENCE IN ELEVATION IS WITHIN 30 FEET OF THE NEAREST TRAFFIC LANE BEING USED BY TRAFFIC CAUSED BY GRADING, EXCAVATION FOR UTILITIES, DRAINAGE STRUCTURES, UNDERCUTTING, ETC.:

1. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 3/4 INCH AND NOT EXCEEDING 2 INCHES.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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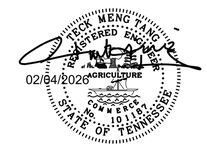

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T2
P.I.H.	2025	48ACOU-S3-002	T2
P.S.&E.	2026	48ACOU-S3-002	T2

REV. 03-31-26: CORRECTED UNIT TO L.M. & REVISED QUANTITY FOR PAY ITEM 716-05.20.

TRAFFIC CONTROL SIGN SCHEDULE

SIGN TYPE	MUTCD NUMBER	SIZE AREA	UNIT	PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR	TOTAL
	G20-2	36" X 18" 4.5 S.F.	S.F.	13.50	13.50	13.50	13.50	13.50
	W1-4L	36" X 36" 9.00 S.F.	S.F.	-	18.00	9.00	-	18.00
	W13-1P	18" X 18" 2.25 S.F.	S.F.	6.75	6.75	6.75	6.75	6.75
	W20-1	36" X 36" 9.00 S.F.	S.F.	18.00	18.00	18.00	18.00	18.00
	W20-1F	36" X 36" 9.00 S.F.	S.F.	9,00	9.00	9.00	9.00	9.00
	W20-1F	36" X 36" 9.00 S.F.	S.F.	9,00	9.00	9.00	9.00	9.00
	W8-7	36" X 36" 9.00 S.F.	S.F.	-	27.00	18.00	-	27.00

ITEM 712-06 : 101.25 S.F.

TRAFFIC CONTROL QUANTITIES

	ITEM NO.	DESCRIPTION	QUANTITY UNIT	PHASE I	PHASE II	PHASE III	PHASE IV	TOTAL	REMARKS
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	5730				5730	
1-	621-03.01	15" TEMPORARY DRAINAGE PIPE	L.F.	16				16	
	712-01	TRAFFIC CONTROL	LS	0.8	0.8	0.8	0.8	0.8	
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EA.	74	153	235	75	537	
	712-05.01	WARNING LIGHTS (TYPE A)	EA.	12	12	25	12	25	
	712-05.03	WARNING LIGHTS (TYPE C)	EA.		67	67		67	
	712-06	SIGNS (CONSTRUCTION)	S.F.					102	
	712-08.03	ARROW BOARD (TYPE C)	EACH		1	1		1	
	712-09.02	REMOVABLE PAVEMENT MARKING (8" BARRIER LINE)	L.F.			10040	5020	15060	
	712-09.08	REMOVABLE PAVEMENT MARKING (6" LINE)	L.F.			10040		10040	
2-	713-02.16	FLEXIBLE TYPE II, OBJECT MARKER	EA.		67			67	
	716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.		10040			10040	
	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.		1.90			1.90	

1- USED FOR EXTENDING EXISTING STRUCTURE FOR TEMPORARY RUN AROUND
2- TO BE USED TO DELINEATE LANES. REFER TO TYPICAL SECTIONS IN SHEET T2A

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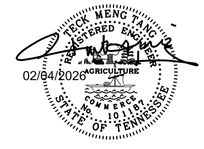

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC PHASING LEGEND AND TRAFFIC TABULATION

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T2A
P.I.H.	2025	48ACOU-S3-002	T2A
P.S.&E.	2026	48ACOU-S3-002	T2A

GENERAL TRAFFIC CONTROL NOTES

1. THIS INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) AND PHASING NOTES IS TO ADJUST THE TRAFFIC FLOW PATTERNS ALONG S.R. 22 AND CATES LANDING WITHIN THE VICINITY OF THE CONSTRUCTION LIMITS TO MAINTAIN SAFE, EFFICIENT TRAFFIC OPERATIONS AND MAXIMIZE THE CONSTRUCTION WORK ZONES FOR THIS CONSTRUCTION PROJECT. THIS PLAN IS DEVELOPED WITH SOME ASSUMPTION OF THE GENERAL CONSTRUCTION PHASINGS. THIS IS NOT INTENDED TO REPLACE OR DICTATE THE ACTUAL CONSTRUCTION SEQUENCE OF THE CONTRACTOR.
2. ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. THE COST SHALL BE INCLUDED IN THE COST OF ITEM # 712-01, TRAFFIC CONTROL.
3. THE CONTRACTOR SHALL DEVELOP SUB-PHASES TO EFFECTIVELY MAINTAIN ACCESS TO SIDE ROADS, EXISTING RESIDENTIALS & FIELD ENTRANCES AND DURING CONSTRUCTION. SUB-PHASING TRAFFIC CONTROL PLAN SHALL BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.

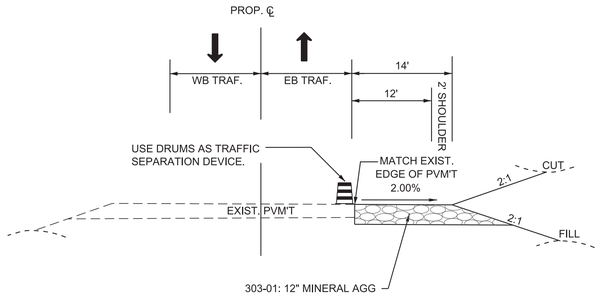
PHASING NOTES

PHASE 1

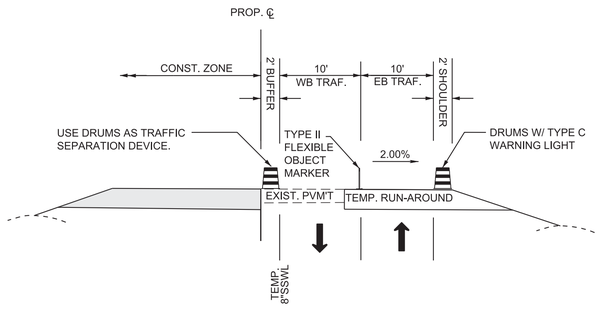
1. PHASE 1 WILL CONSTRUCT TEMPORARY RUN-AROUND ON THE SOUTH SIDE OF S.R. 22 AND CATES LANDINGS AS DEPICTED IN THE PHASE 1 TCP. THE PURPOSE OF THIS WIDENING IS TO MAINTAIN TWO LANES SECTION FOR PHASE 2 TRAFFIC. (THE MONUMENT LOCATED AT THE ISLAND OF THE INTERSECTION OF OLD S.R. 22 SHALL NOT BE DISTURBED.)
2. TRAFFIC SHALL BE MAINTAINED ON THE EXISTING LANES.
3. PRIOR TO ANY CONTRUCTION ACTIVITIES, CONTRACTOR SHALL INSTALL ALL THE TRAFFIC CONTROL ITEMS IN ACCORDANCE TO PHASE 1 TCP.
3. PRIOR TO ANY LANE SHIFTING OF TRAFFIC, CONTRACTOR SHALL REMOVE ANY CONFLICTING SIGNS AND PAVEMENT MARKINGS IN ACCORDANCE TO THE PHASE 1 TCP AS SHOWN IN THE PLANS. THE COST OF REMOVAL OF SIGNS & PAVEMENT MARKINGS SHALL BE INCLUDED IN THE COST OF THE ITEM # 712-01, TRAFFIC CONTROL.
4. UPON COMPLETION OF THE TEMPORARY WIDENING, REMOVE ANY TRAFFIC CONTROL ITEMS THAT MAY BE RENDERED NOT APPLICABLE FOR PHASE 2. THE COST OF REMOVAL SHALL BE INCLUDED IN THE COST OF ITEM # 712-01, TRAFFIC CONTROL.

PHASE 2

1. PHASE 2 INVOLVES THE CONSTRUCTION OF THE PROPOSED WEST BOUND ROADWAY (GENERALLY, THE NORTHEN HALF OF S.R. 22 AND CATES LANDING) AND PORT TERMINAL ACCESS ROAD.
2. TRAFFIC SHALL BE MAINTAINED ON TWO 10-FOOT TRAFFIC LANES (ONE LANE IN EACH DIRECTION) IN THE SOUTHERN HALF OF S.R. 22 AND CATES LANDING.
3. PRIOR TO ANY LANE CLOSURE AND SHIFTING OF TRAFFIC, CONTRACTOR SHALL REMOVE ANY CONFLICTING SIGNS AND PAVEMENT MARKINGS, AND INSTALL NEW TEMPORARY TRAFFIC CONTROL ITEMS SUCH AS ADVANCE WARNING SIGNS, ETC. AND TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE TO THE PHASE 2 TCP AS SHOWN IN THE PLANS. THE COST OF REMOVAL OF SIGNS & PAVEMENT MARKINGS SHALL BE INCLUDED IN THE COST OF THE ITEM # 712-01, TRAFFIC CONTROL.
4. THE CONTRACTOR SHALL INSTALL ADDITIONAL SIGNS OR PAVEMENT MARKINGS AS DIRECTED BY THE ENGINEER. COST OF ANY ADDITIONAL ITEMS SHALL BE PAID PER THE UNIT COST OF THE ITEMS AS BIDDED.
5. CONTRACTOR TO INSTALL PERMAMENT PAVEMENT MARKINGS FOR THE EDGE OF PAVEMENT FOR THE FINISHED WEST BOUND ROADWAY.
6. UPON COMPLETION OF THE TRENCHLESS PIPES NEAR RAILROAD, CONTRACTOR TO PLUG THE EXISTING PIPES AND START REMOVING PORTION OF THE PIPES.



PHASE 1 CONSTRUCTION
(WITH TEMPORARY RUN-AROUND SECTION)
(NTS)



PHASE 2 CONSTRUCTION
(NTS)

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DEPARTMENT OF TRANSPORTATION

TRAFFIC PHASING NOTES

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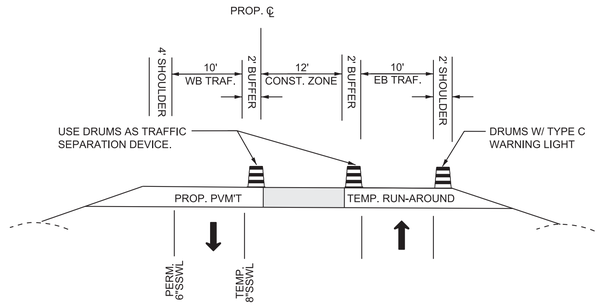
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T2B
P.I.H.	2025	48ACOU-S3-002	T2B
P.S.&E.	2026	48ACOU-S3-002	T2B

PHASE 3

1. PHASE 3 INVOLVES THE CONSTRUCTION OF THE PROPOSED EAST BOUND ROADWAY (GENERALLY, THE SOUTHERN HALF OF S.R. 22 AND CATES LANDING).
2. TRAFFIC SHALL BE MAINTAINED ON TWO 10-FOOT TRAFFIC LANES (ONE LANE IN EACH DIRECTION) IN THE CONSTRUCTED WEST BOUND FROM PHASE 2 AND TEMPORARY PAVEMENT FROM PHASE 1.
3. PRIOR TO ANY LANE CLOSURE AND SHIFTING OF TRAFFIC, CONTRACTOR SHALL REMOVE ANY CONFLICTING SIGNS AND PAVEMENT MARKINGS, AND INSTALL NEW TEMPORARY TRAFFIC CONTROL ITEMS SUCH AS ADVANCE WARNING SIGNS, ETC. AND TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE TO THE PHASE 3 TCP AS SHOWN IN THE PLANS. THE COST OF REMOVAL OF SIGNS & PAVEMENT MARKINGS SHALL BE INCLUDED IN THE COST OF THE ITEM # 712-01, TRAFFIC CONTROL.
4. THE CONTRACTOR SHALL INSTALL ADDITIONAL SIGNS OR PAVEMENT MARKINGS AS DIRECTED BY THE ENGINEER. COST OF ANY ADDITIONAL ITEMS SHALL BE PAID PER THE UNIT COST OF THE ITEMS AS BIDDED.
5. CONTRACTOR TO INSTALL PERMAMENT PAVEMENT MARKINGS FOR THE CENTERLINE OF THE ROADWAY.
6. CONTRACTOR TO REMOVE PORTION OF EXISTING PIPES NEAR RAILROAD.



PHASE 3 CONSTRUCTION
(NTS)

PHASE 4

1. PHASE 4 INVOLVES THE CONSTRUCTION OF THE PROPOSED EAST BOUND SHOULDERS AND SLOPES (REMOVAL OF THE TEMPORAY RUN-AROUND CONSTRUCTED IN PHASE 1). (THE MONUMENT LOCATED AT THE ISLAND OF THE INTERSECTION OF OLD S.R. 22 SHALL NOT BE DISTURBED.)
2. TRAFFIC SHALL BE MAINTAINED ON ONE 12-FOOT TRAFFIC LANE IN THE CONSTRUCTED WEST BOUND FROM PHASE 2 AND ONE 10-FOOT TRAFFIC LANE IN THE CONSTRUCTED EAST BOUND FROM PHASE 3.
3. PRIOR TO ANY LANE CLOSURE AND SHIFTING OF TRAFFIC, CONTRACTOR SHALL REMOVE ANY CONFLICTING SIGNS AND PAVEMENT MARKINGS, AND INSTALL NEW TEMPORARY TRAFFIC CONTROL ITEMS SUCH AS ADVANCE WARNING SIGNS, ETC. AND TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE TO THE PHASE 4 TCP AS SHOWN IN THE PLANS. THE COST OF REMOVAL OF SIGNS & PAVEMENT MARKINGS SHALL BE INCLUDED IN THE COST OF THE ITEM # 712-01, TRAFFIC CONTROL.
4. THE CONTRACTOR SHALL INSTALL ADDITIONAL SIGNS OR PAVEMENT MARKINGS AS DIRECTED BY THE ENGINEER. COST OF ANY ADDITIONAL ITEMS SHALL BE PAID PER THE UNIT COST OF THE ITEMS AS BIDDED.
5. CONTRACTOR TO INSTALL PERMAMENT PAVEMENT MARKINGS FOR THE EDGE OF PAVEMENT FOR THE FINISHED EAST BOUND SHOULDERS AND SLOPES.
6. CONTRACTOR TO REMOVE THE REMAINING OF THE EXISTING PIPES NEAR RAILROAD.

PHASE 4 CONSTRUCTION
(NTS)

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE
	TEMPORARY RUN-AROUND CONSTRUCTED IN PHASE 1

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TRAFFIC PHASING NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T3
P.I.H.	2025	48ACOU-S3-002	T3
P.S.&E.	2026	48ACOU-S3-002	T3

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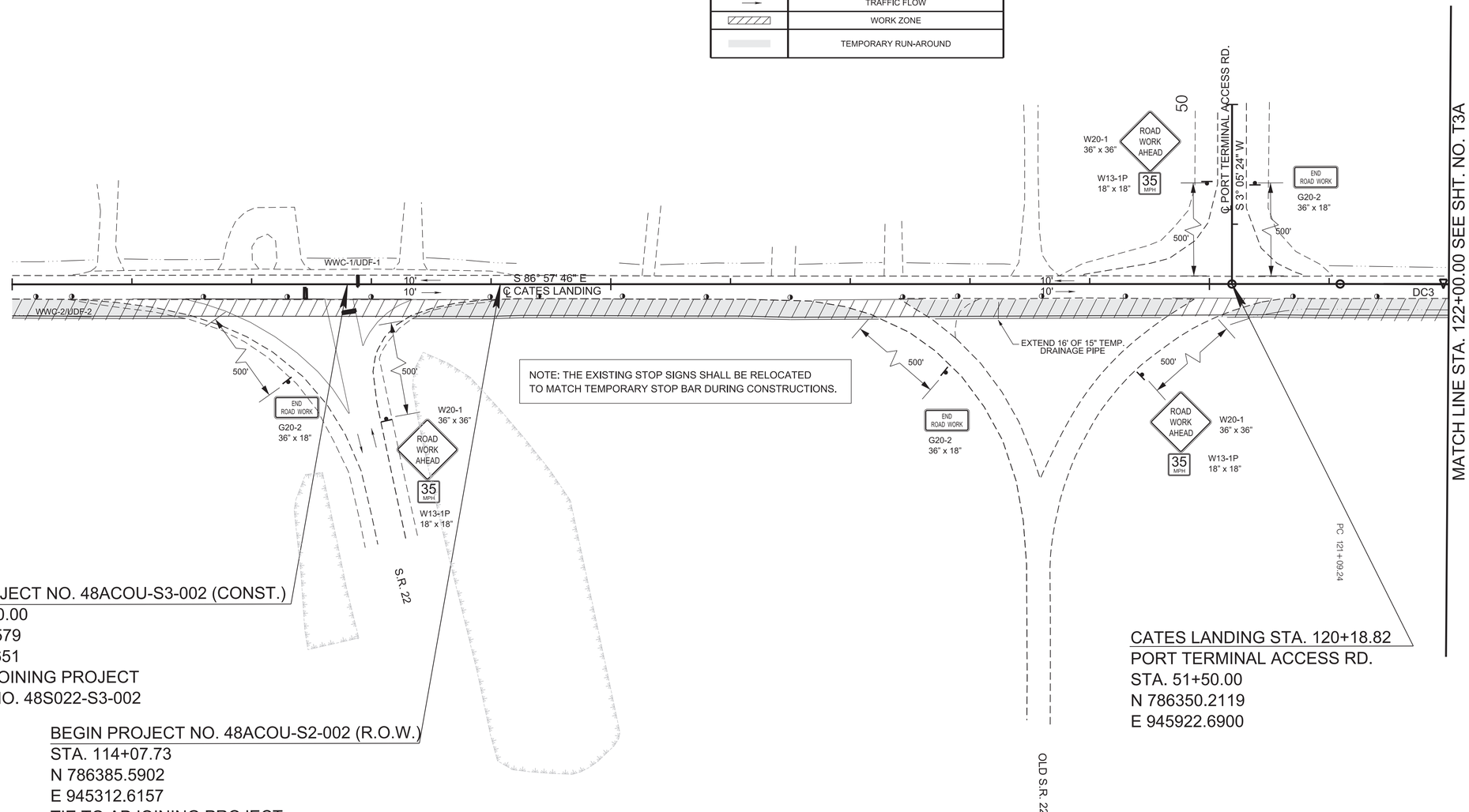
TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE
	TEMPORARY RUN-AROUND

NOTE: FLEXIBLE DRUMS SHALL BE SPACED 35' ON SHIFTING TAPERS & 70' ON TANGENT UNLESS SHOWN PER PLANS. CONTRACTOR SHALL MAINTAIN ACESS TO PRIVATE DRIVES AT ALL TIMES DURING CONSTRUCTIONS.

NOTE: ALL TRACTS SHALL HAVE UNINTERRUPTED ACCESS DURING PROJECT CONSTRUCTION.



BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900

PHASE I

MAINTAIN EXISTING EB AND WB TRAFFIC ON EXISTING ROADWAY AND CONSTRUCT THE TEMPORARY RUN-AROUND ON THE SOUTH SIDE.

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COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

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SCALE: 1"=50'

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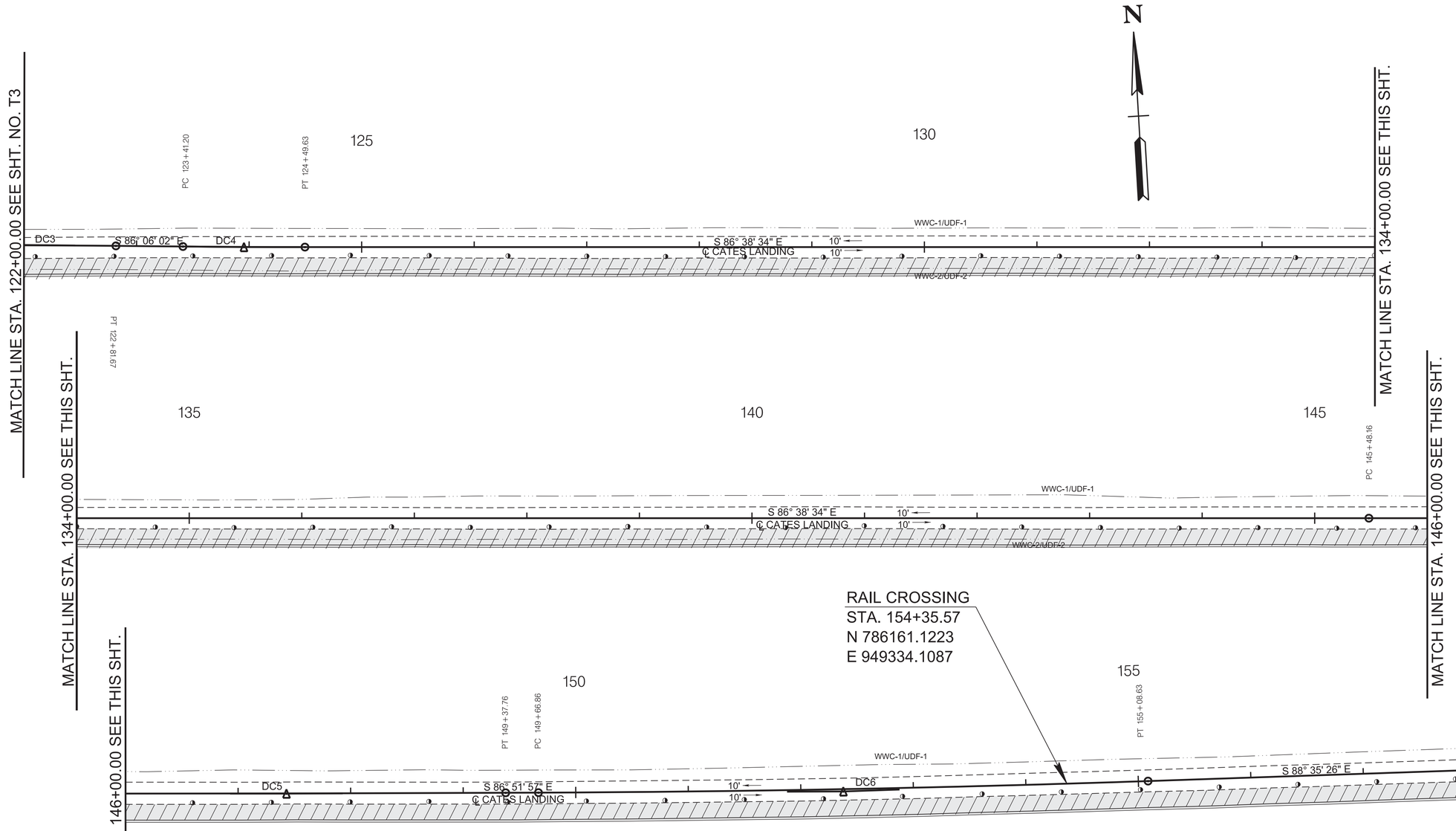
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T3A
P.I.H.	2025	48ACOU-S3-002	T3A
P.S.&E.	2026	48ACOU-S3-002	T3A

REV. 05-29-26: REMOVED "BY OTHERS" FROM RAILROAD CROSSING



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE
	TEMPORARY RUN-AROUND

NOTE: FLEXIBLE DRUMS SHALL BE SPACED 35' ON SHIFTING TAPERS & 70' ON TANGENT UNLESS SHOWN PER PLANS. CONTRACTOR SHALL MAINTAIN ACESS TO PRIVATE DRIVES AT ALL TIMES DURING CONSTRUCTIONS.

NOTE: ALL TRACTS SHALL HAVE UNINTERRUPTED ACCESS DURING PROJECT CONSTRUCTION.

PHASE I

MAINTAIN EXISTING EB AND WB TRAFFIC ON EXISTING ROADWAY AND CONSTRUCT THE TEMPORARY RUN-AROUND ON THE SOUTH SIDE.

SEALED BY

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 122+00 TO STA. 158+00

SCALE: 1"=50'

5/27/2026 11:16:42 AM
P:\0000_0100\0078250050_THY_SR-22_Ind_Access_Sonic\THY\MicrostationV8i\T3A TCP1.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T3B
P.I.H.	2025	48ACOU-S3-002	T3B
P.S.&E.	2026	48ACOU-S3-002	T3B

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE
	TEMPORARY RUN-AROUND

NOTE: FLEXIBLE DRUMS SHALL BE SPACED 35' ON SHIFTING TAPERS & 70' ON TANGENT UNLESS SHOWN PER PLANS. CONTRACTOR SHALL MAINTAIN ACESS TO PRIVATE DRIVES AT ALL TIMES DURING CONSTRUCTIONS.

NOTE: ALL TRACTS SHALL HAVE UNINTERRUPTED ACCESS DURING PROJECT CONSTRUCTION.

N

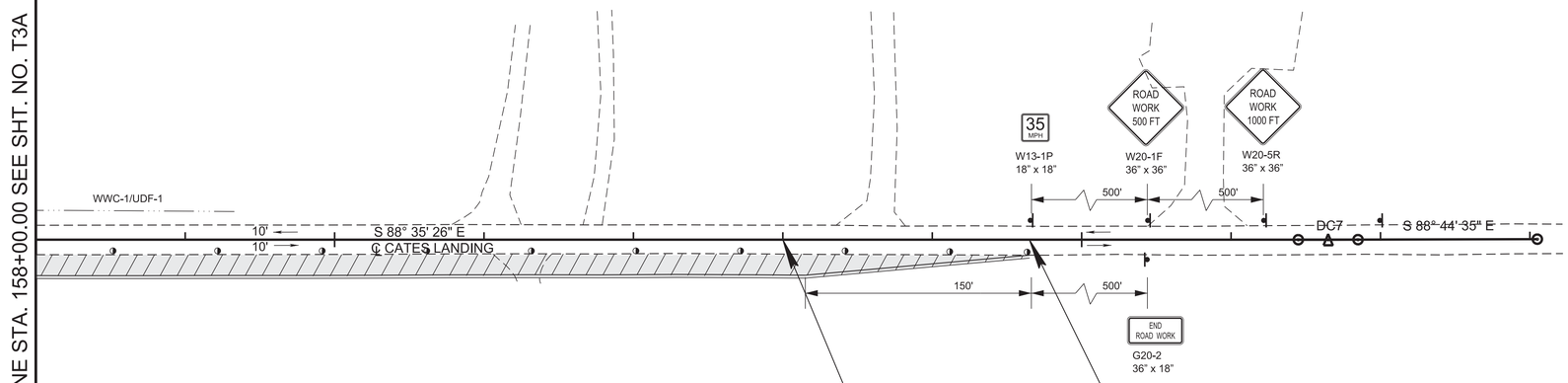
160

165

PC 166+44.99

PT 166+84.97

POT 168+04.97



END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

PHASE I

MAINTAIN EXISTING EB AND WB TRAFFIC ON EXISTING ROADWAY AND CONSTRUCT THE TEMPORARY RUN-AROUND ON THE SOUTH SIDE.

SEALED BY

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 158+00 TO STA. 164+65
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T4
P.I.H.	2025	48ACOU-S3-002	T4
P.S.&E.	2026	48ACOU-S3-002	T4

N

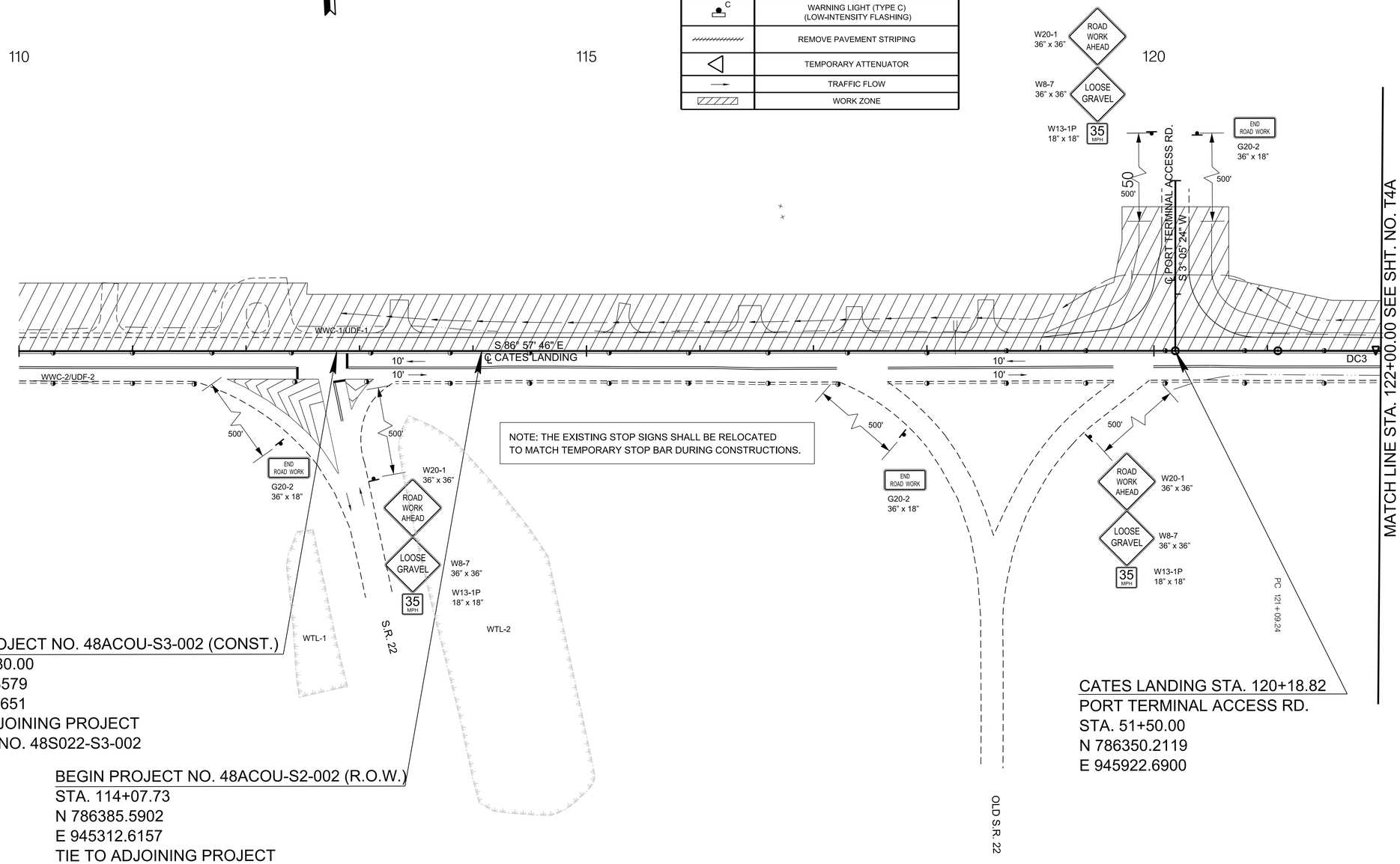
NOTE: FLEXIBLE DRUMS SHALL BE SPACED 35' ON SHIFTING TAPERS & 70' ON TANGENT UNLESS SHOWN PER PLANS. CONTRACTOR SHALL MAINTAIN ACESS TO PRIVATE DRIVES AT ALL TIMES DURING CONSTRUCTIONS.

NOTE: ALL TRACTS SHALL HAVE UNINTERRUPTED ACCESS DURING PROJECT CONSTRUCTION.

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE

110 115 120



BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

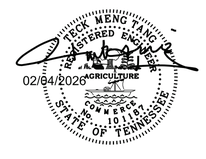
BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900

PHASE II

MAINTAIN TRAFFIC ON THE SOUTH SIDE WITH TWO 10-FT LANES AND CONSTRUCT THE NEW WB ROADWAY ON THE NORTH SIDE.

SEALED BY



COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 112+80 TO STA.122+00
SCALE: 1"=50'

5/27/2026 11:16:44 AM
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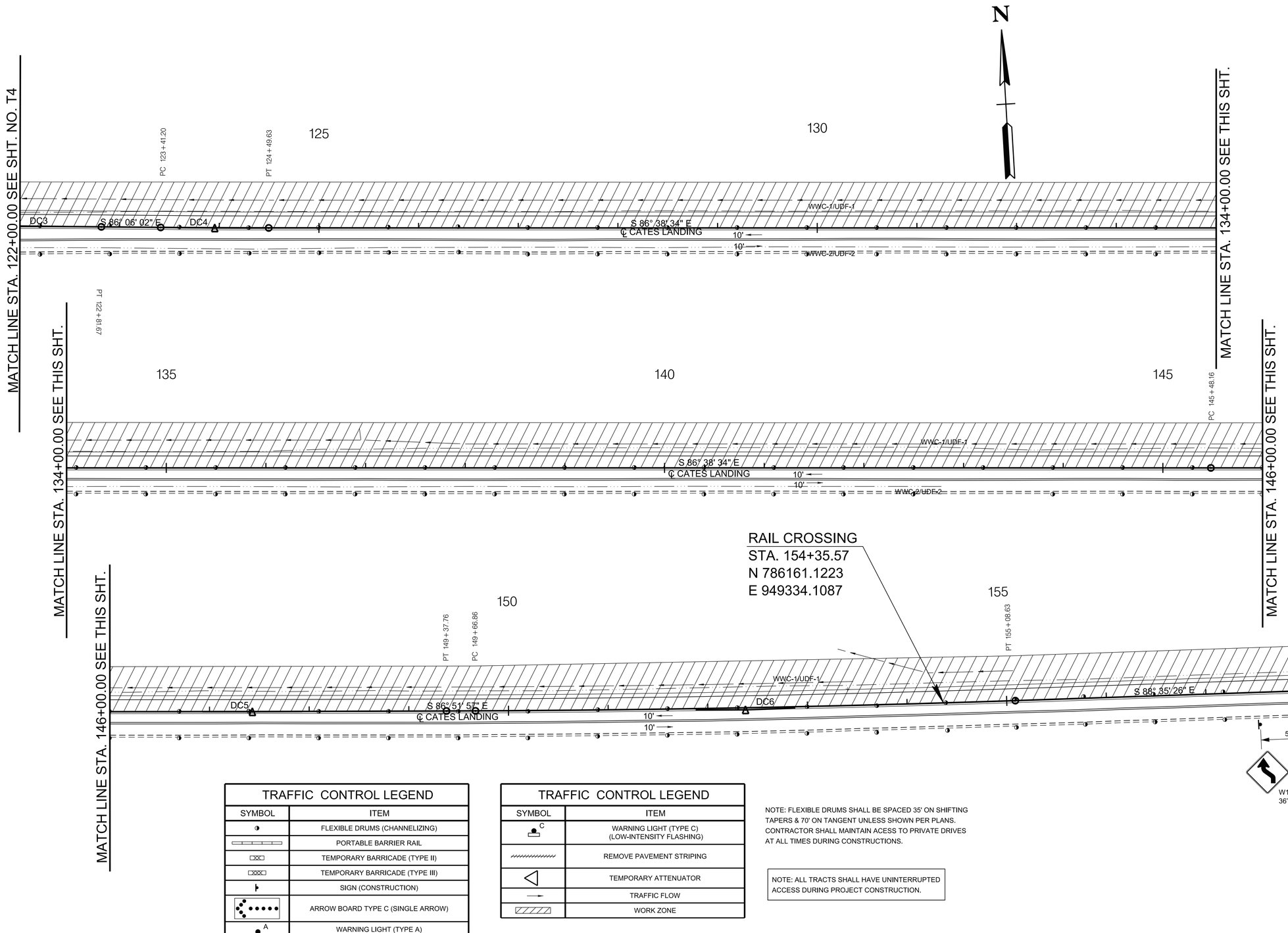
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T4A
P.I.H.	2025	48ACOU-S3-002	T4A
P.S.&E.	2026	48ACOU-S3-002	T4A

REV. 05-29-26: REMOVED "BY OTHERS" FROM RAILROAD CROSSING



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE

NOTE: FLEXIBLE DRUMS SHALL BE SPACED 35' ON SHIFTING TAPERS & 70' ON TANGENT UNLESS SHOWN PER PLANS. CONTRACTOR SHALL MAINTAIN ACESS TO PRIVATE DRIVES AT ALL TIMES DURING CONSTRUCTIONS.

NOTE: ALL TRACTS SHALL HAVE UNINTERRUPTED ACCESS DURING PROJECT CONSTRUCTION.

PHASE II

MAINTAIN TRAFFICS ON THE SOUTH SIDE WITH TWO 10-FT LANES AND CONSTRUCT THE NEW WB ROADWAY ON THE NORTH SIDE.

SEALED BY

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 122+00 TO STA. 158+00
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T4B
P.I.H.	2025	48ACOU-S3-002	T4B
P.S.&E.	2026	48ACOU-S3-002	T4B

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE

NOTE: FLEXIBLE DRUMS SHALL BE SPACED 35' ON SHIFTING TAPERS & 70' ON TANGENT UNLESS SHOWN PER PLANS. CONTRACTOR SHALL MAINTAIN ACESS TO PRIVATE DRIVES AT ALL TIMES DURING CONSTRUCTIONS.

NOTE: ALL TRACTS SHALL HAVE UNINTERRUPTED ACCESS DURING PROJECT CONSTRUCTION.

N

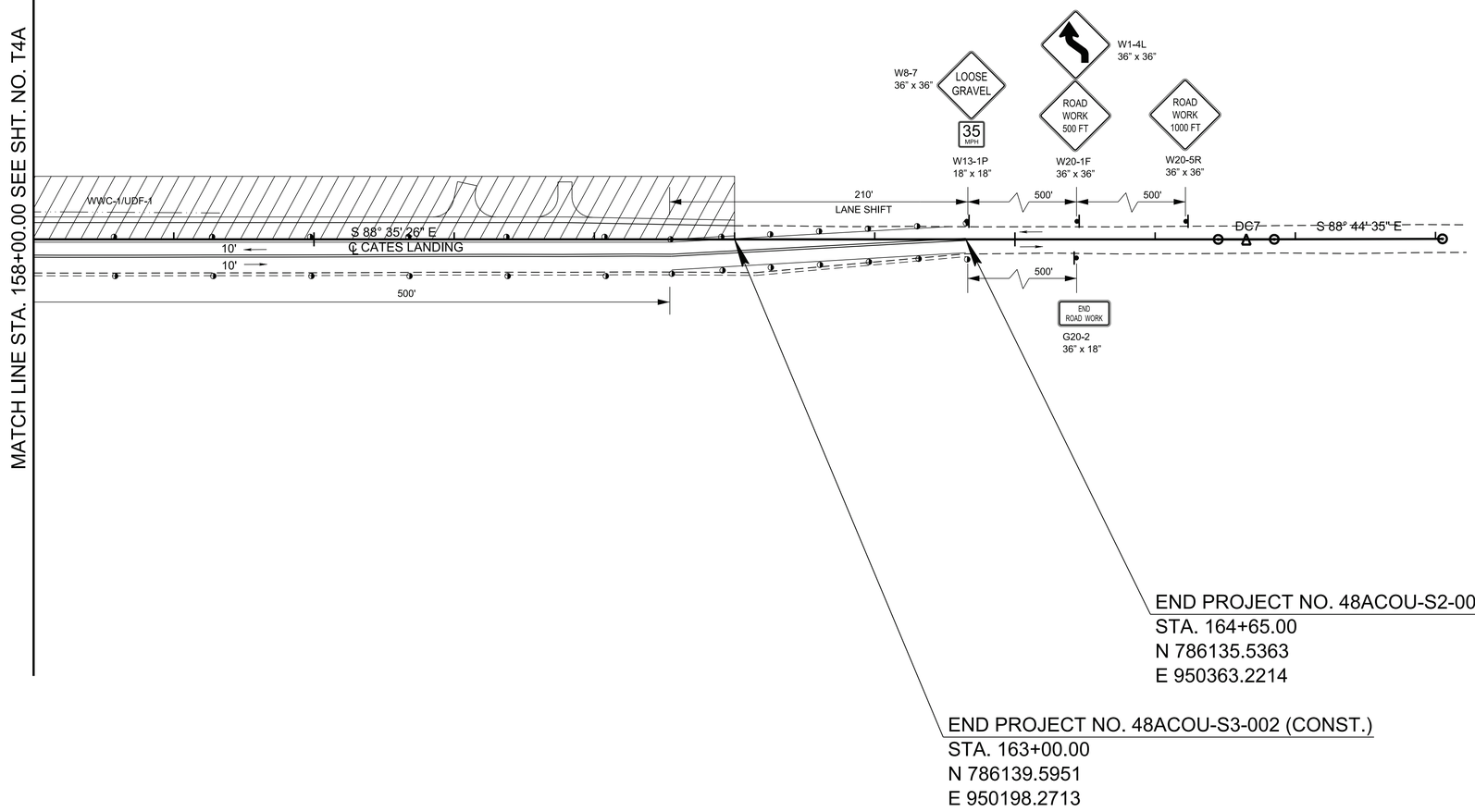
160

165

PC 166+44.99

PT 166+84.97

POT 168+04.97



END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

PHASE II

MAINTAIN TRAFFICS ON THE SOUTH SIDE WITH TWO 10-FT LANES AND CONSTRUCT THE NEW WB ROADWAY ON THE NORTH SIDE.

SEALED BY

TECK MENG TING
REGISTERED ENGINEER
02/04/2026
DEPARTMENT OF AGRICULTURE
COMMERCE
STATE OF TENNESSEE

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 158+00 TO STA. 164+65
SCALE: 1"=50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T5
P.I.H.	2025	48ACOU-S3-002	T5
P.S.&E.	2026	48ACOU-S3-002	T5

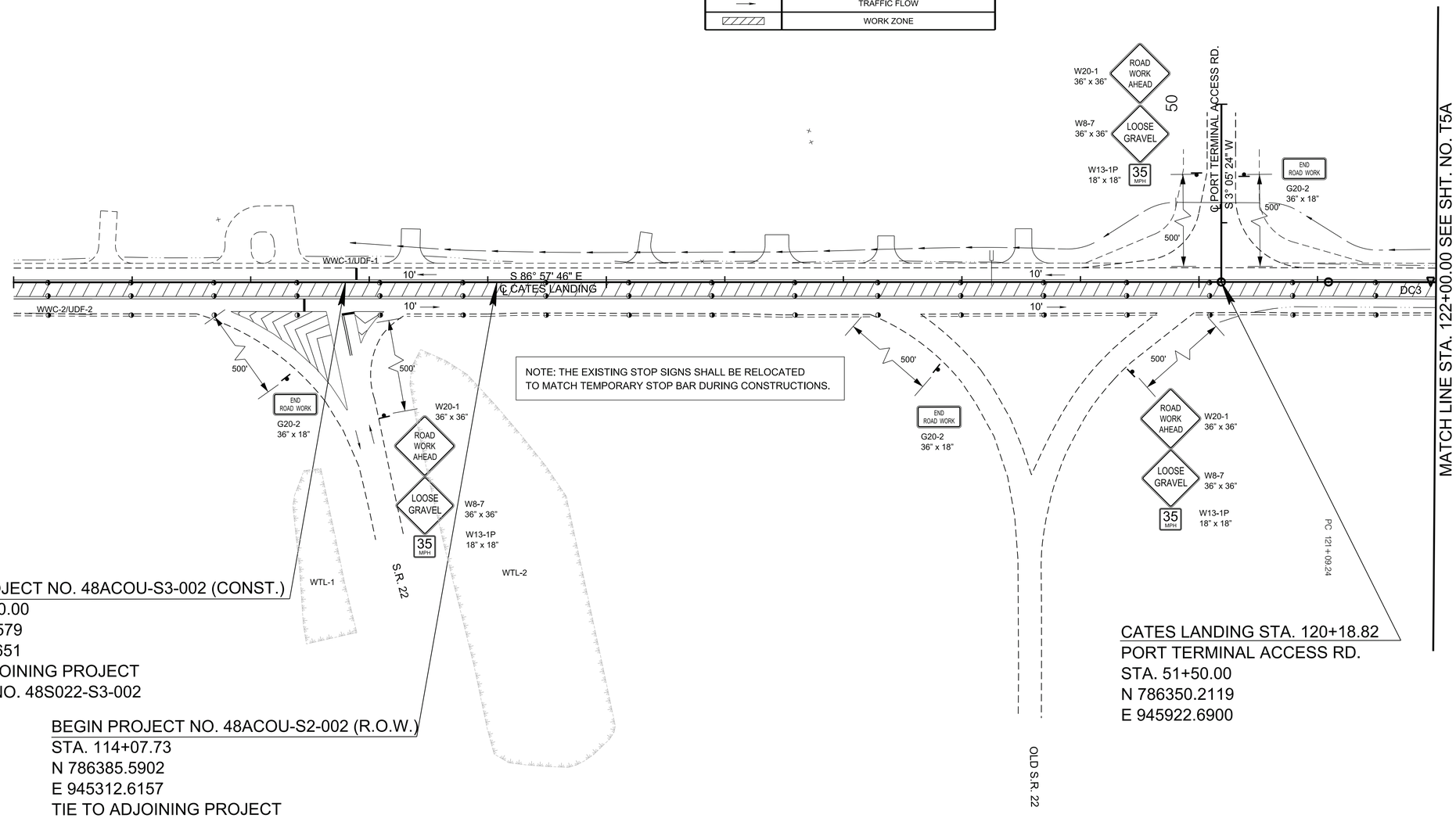
N

NOTE: FLEXIBLE DRUMS SHALL BE SPACED 35' ON SHIFTING TAPERS & 70' ON TANGENT UNLESS SHOWN PER PLANS. CONTRACTOR SHALL MAINTAIN ACESS TO PRIVATE DRIVES AT ALL TIMES DURING CONSTRUCTIONS.

NOTE: ALL TRACTS SHALL HAVE UNINTERRUPTED ACCESS DURING PROJECT CONSTRUCTION.

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE

110 115 120



BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900

PHASE III

MAINTAIN WB TRAFFIC ON THE NORTH SIDE WITH A 10-FT LANE AND EB TRAFFIC ON TEMPORARY RUN-AROUND WITH A 10-FT LANE WHILE CONSTRUCT THE NEW ROADWAY ON THE SOUTH SIDE (EB).

SEALED BY

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 112+80 TO STA.122+00
SCALE: 1"=50'

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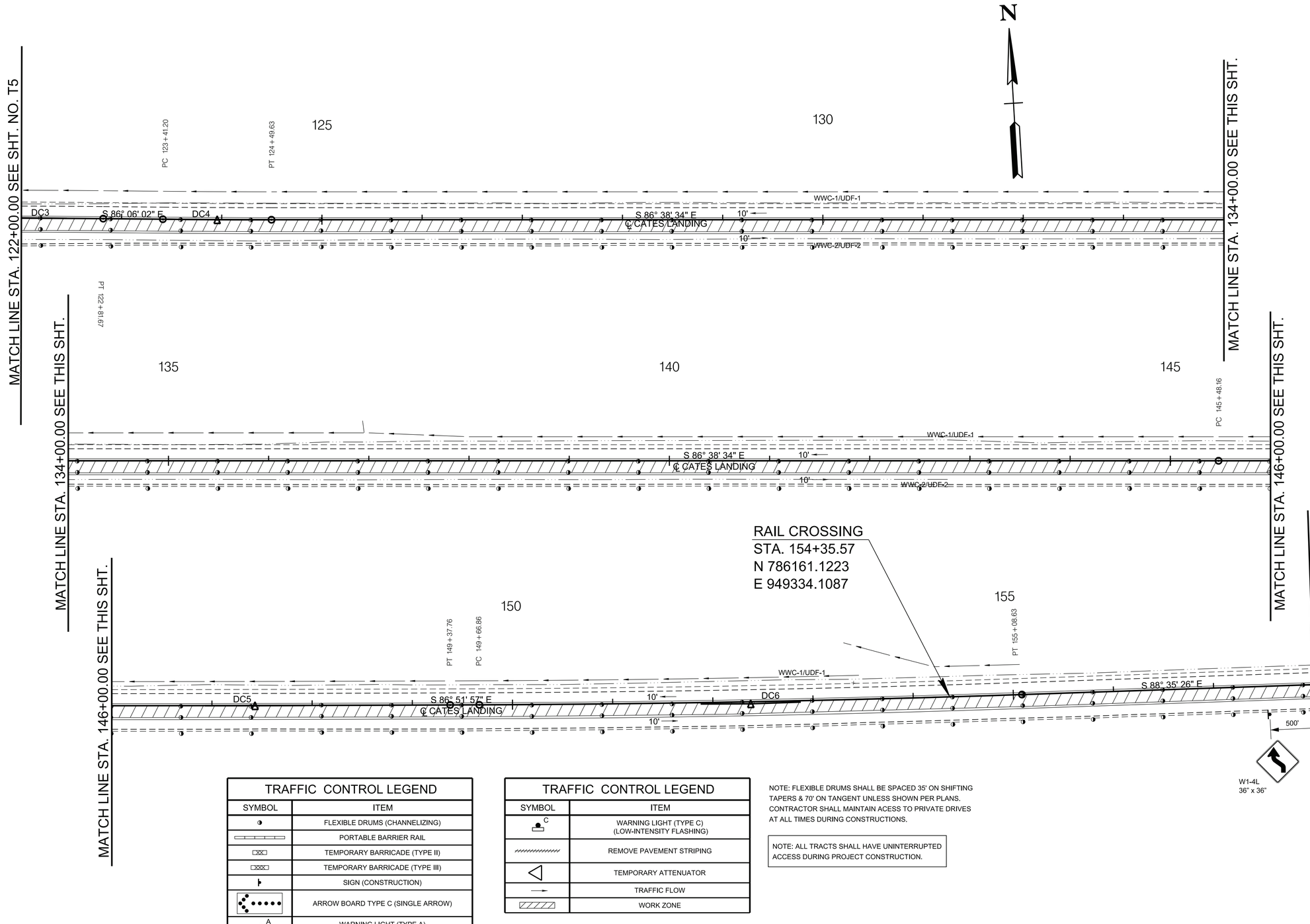
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T5A
P.I.H.	2025	48ACOU-S3-002	T5A
P.S.&E.	2026	48ACOU-S3-002	T5A

REV. 05-29-26: REMOVED "BY OTHERS" FROM RAILROAD CROSSING



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE

NOTE: FLEXIBLE DRUMS SHALL BE SPACED 35' ON SHIFTING TAPERS & 70' ON TANGENT UNLESS SHOWN PER PLANS. CONTRACTOR SHALL MAINTAIN ACESS TO PRIVATE DRIVES AT ALL TIMES DURING CONSTRUCTIONS.

NOTE: ALL TRACTS SHALL HAVE UNINTERRUPTED ACCESS DURING PROJECT CONSTRUCTION.

PHASE III

MAINTAIN WB TRAFFIC ON THE NORTH SIDE WITH A 10-FT LANE AND EB TRAFFIC ON TEMPORARY RUN-AROUND WITH A 10-FT LANE WHILE CONSTRUCT THE NEW ROADWAY ON THE SOUTH SIDE (EB).

SEALED BY

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 122+00 TO STA. 158+00

SCALE: 1"=50'

5/27/2026 11:16:47 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T5B
P.I.H.	2025	48ACOU-S3-002	T5B
P.S.&E.	2026	48ACOU-S3-002	T5B

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE

NOTE: FLEXIBLE DRUMS SHALL BE SPACED 35' ON SHIFTING TAPERS & 70' ON TANGENT UNLESS SHOWN PER PLANS. CONTRACTOR SHALL MAINTAIN ACESS TO PRIVATE DRIVES AT ALL TIMES DURING CONSTRUCTIONS.

NOTE: ALL TRACTS SHALL HAVE UNINTERRUPTED ACCESS DURING PROJECT CONSTRUCTION.

N

160

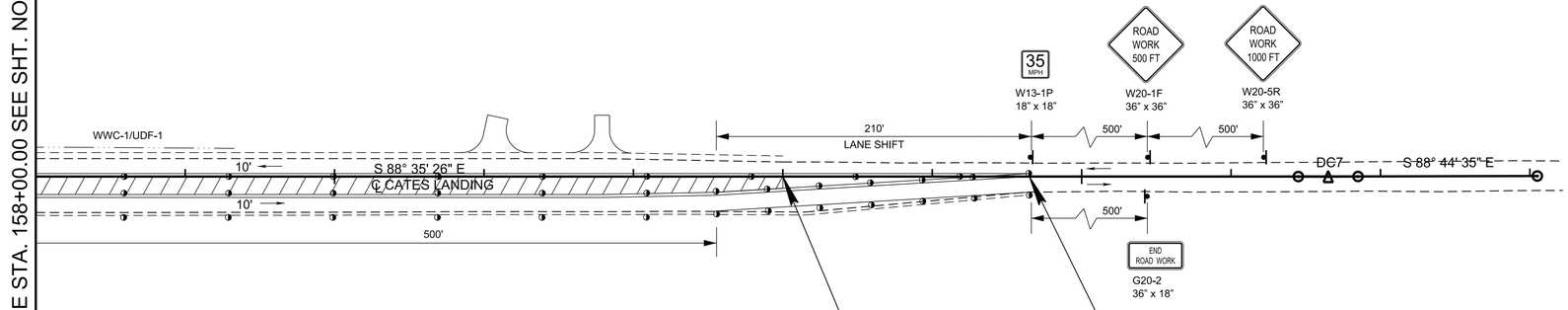
165

PC 166+44.99

PT 166+84.97

POT 168+04.97

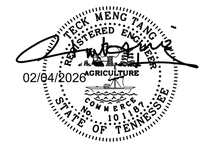
MATCH LINE STA. 158+00.00 SEE SHT. NO. T5A



END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

SEALED BY



COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 158+00 TO STA. 164+65
SCALE: 1"=50'

PHASE III

MAINTAIN WB TRAFFIC ON THE NORTH SIDE WITH A 10-FT LANE AND EB TRAFFIC ON TEMPORARY RUN-AROUND WITH A 10-FT LANE WHILE CONSTRUCT THE NEW ROADWAY ON THE SOUTH SIDE (EB).

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T6
P.I.H.	2025	48ACOU-S3-002	T6
P.S.&E.	2026	48ACOU-S3-002	T6

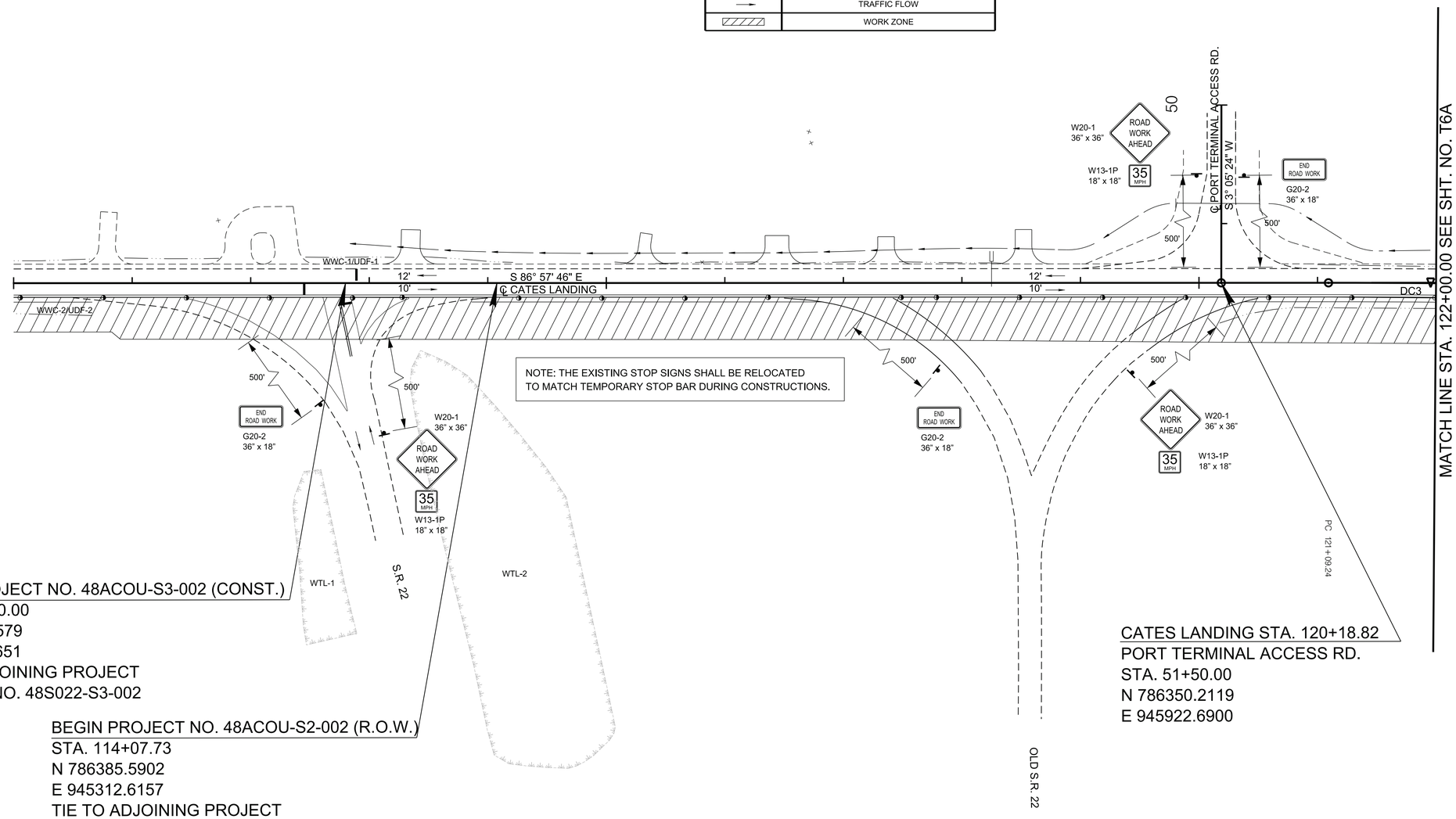
N

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE

NOTE: FLEXIBLE DRUMS SHALL BE SPACED 35' ON SHIFTING TAPERS & 70' ON TANGENT UNLESS SHOWN PER PLANS. CONTRACTOR SHALL MAINTAIN ACESS TO PRIVATE DRIVES AT ALL TIMES DURING CONSTRUCTIONS.

NOTE: ALL TRACTS SHALL HAVE UNINTERRUPTED ACCESS DURING PROJECT CONSTRUCTION.

110 115 120



BEGIN PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 112+80.00
N 786392.3579
E 945185.0651
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S3-002

BEGIN PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 114+07.73
N 786385.5902
E 945312.6157
TIE TO ADJOINING PROJECT
PROJECT NO. 48S022-S2-002

CATES LANDING STA. 120+18.82
PORT TERMINAL ACCESS RD.
STA. 51+50.00
N 786350.2119
E 945922.6900

PHASE IV

MAINTAIN WB TRAFFIC ON THE NORTH SIDE WITH A 12-FT LANE AND EB TRAFFIC ON THE SOUTH SIDE WITH A 10-FT LANE WHILE CONSTRUCT THE NEW SLOPES ON THE SOUTH SIDE (EB).

SEALED BY

02/04/2026

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 112+80 TO STA.122+00
SCALE: 1"=50'

5/27/2026 11:16:48 AM
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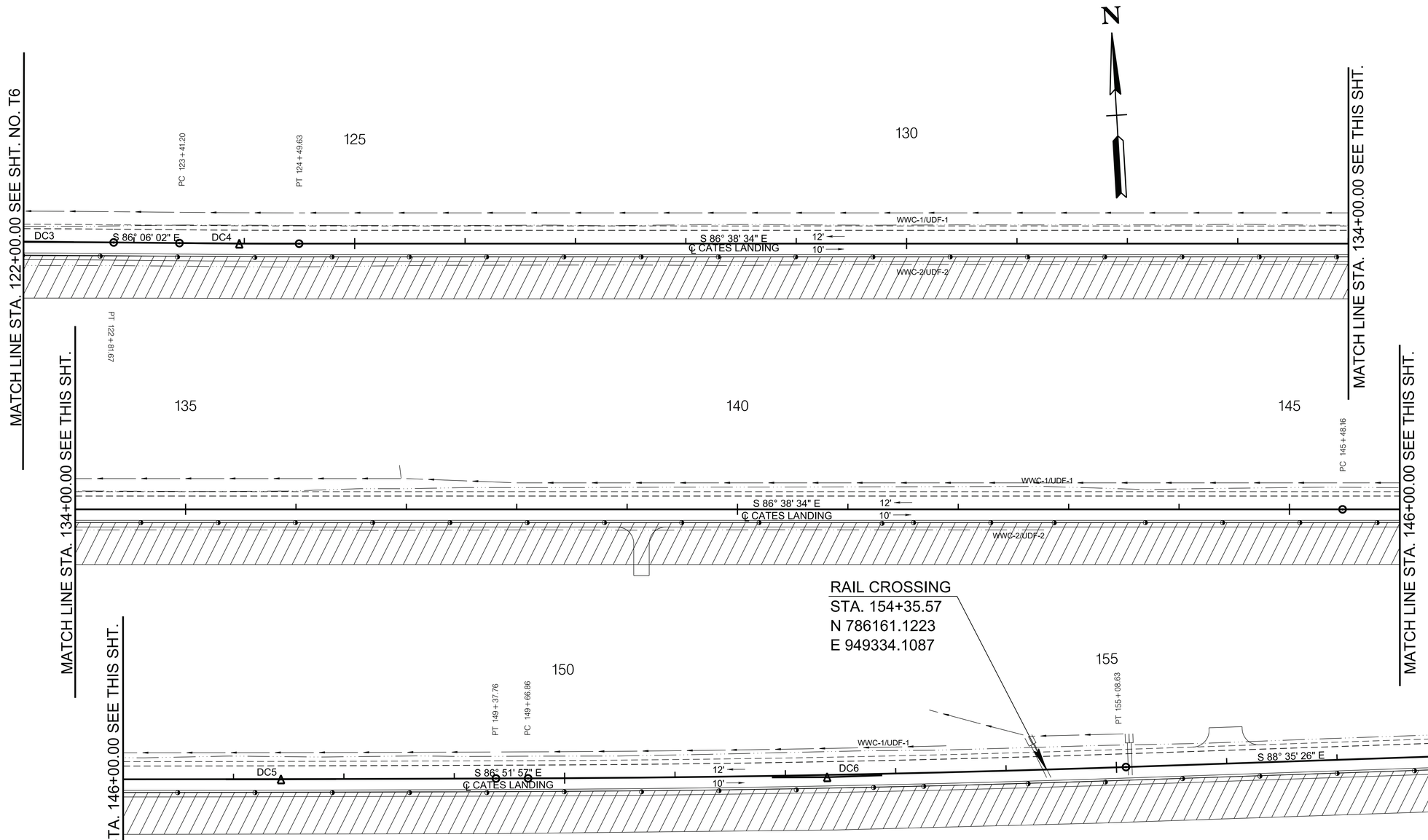
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T6A
P.I.H.	2025	48ACOU-S3-002	T6A
P.S.&E.	2026	48ACOU-S3-002	T6A

REV. 05-29-26: REMOVED "BY OTHERS" FROM RAILROAD CROSSING



TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)

TRAFFIC CONTROL LEGEND	
SYMBOL	ITEM
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE

NOTE: FLEXIBLE DRUMS SHALL BE SPACED 35' ON SHIFTING TAPERS & 70' ON TANGENT UNLESS SHOWN PER PLANS. CONTRACTOR SHALL MAINTAIN ACESS TO PRIVATE DRIVES AT ALL TIMES DURING CONSTRUCTIONS.

NOTE: ALL TRACTS SHALL HAVE UNINTERRUPTED ACCESS DURING PROJECT CONSTRUCTION.

PHASE IV

MAINTAIN WB TRAFFIC ON THE NORTH SIDE WITH A 12-FT LANE AND EB TRAFFIC ON THE SOUTH SIDE WITH A 10-FT LANE WHILE CONSTRUCT THE NEW SLOPES ON THE SOUTH SIDE (EB).

SEALED BY

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 122+00 TO STA. 158+00

SCALE: 1"=50'

5/27/2026 11:16:49 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2024	48ACOU-S2-002	T6B
P.I.H.	2025	48ACOU-S3-002	T6B
P.S.&E.	2026	48ACOU-S3-002	T6B

TRAFFIC CONTROL LEGEND

SYMBOL	ITEM
	FLEXIBLE DRUMS (CHANNELIZING)
	PORTABLE BARRIER RAIL
	TEMPORARY BARRICADE (TYPE II)
	TEMPORARY BARRICADE (TYPE III)
	SIGN (CONSTRUCTION)
	ARROW BOARD TYPE C (SINGLE ARROW)
A	WARNING LIGHT (TYPE A) (LOW-INTENSITY FLASHING)
C	WARNING LIGHT (TYPE C) (LOW-INTENSITY FLASHING)
	REMOVE PAVEMENT STRIPING
	TEMPORARY ATTENUATOR
	TRAFFIC FLOW
	WORK ZONE

NOTE: FLEXIBLE DRUMS SHALL BE SPACED 35' ON SHIFTING TAPERS & 70' ON TANGENT UNLESS SHOWN PER PLANS. CONTRACTOR SHALL MAINTAIN ACESS TO PRIVATE DRIVES AT ALL TIMES DURING CONSTRUCTIONS.

NOTE: ALL TRACTS SHALL HAVE UNINTERRUPTED ACCESS DURING PROJECT CONSTRUCTION.

N

160

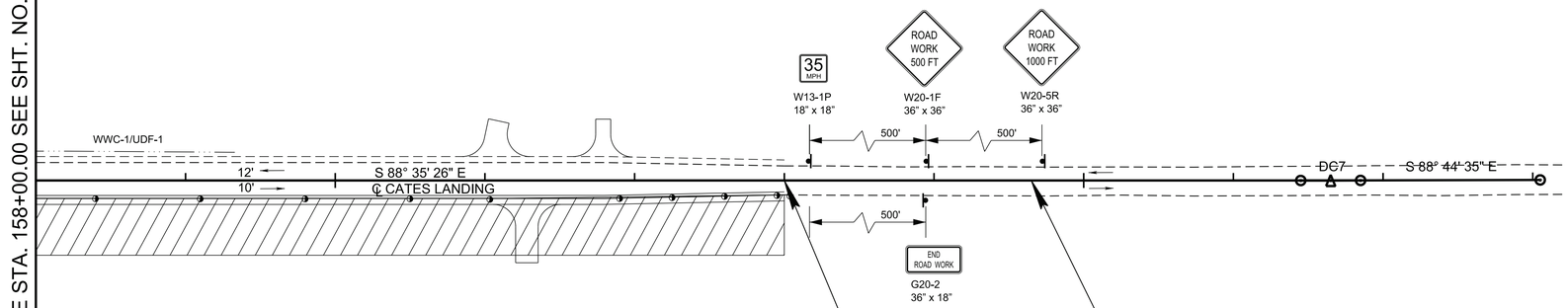
165

PC 166+44.99

PT 166+84.97

POT 168+04.97

MATCH LINE STA. 158+00.00 SEE SHT. NO. T6A



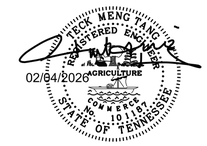
END PROJECT NO. 48ACOU-S2-002 (R.O.W.)
STA. 164+65.00
N 786135.5363
E 950363.2214

END PROJECT NO. 48ACOU-S3-002 (CONST.)
STA. 163+00.00
N 786139.5951
E 950198.2713

PHASE IV

MAINTAIN WB TRAFFIC ON THE NORTH SIDE WITH A 12-FT LANE AND EB TRAFFIC ON THE SOUTH SIDE WITH A 10-FT LANE WHILE CONSTRUCT THE NEW SLOPES ON THE SOUTH SIDE (EB).

SEALED BY



COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 03.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

STA. 158+00 TO STA. 164+65
SCALE: 1"=50'

5/27/2026 11:16:49 AM
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TENNESSEE D.O.T. | DESIGN DIVISION | FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	48S022-S3-002	
PS&E	2026	48ACOU-S3-002	S-1

SWPPP INDEX OF SHEETS

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2. SITE DESCRIPTION (5.5.1.)	1
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5. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES (5.5.3.)	2-3
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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): 26.088 ACRES (PIN 132172.00; 4.536 ACRES + PIN 128977.00; 21.552 ACRES)

2.3. TOTAL AREA TO BE DISTURBED (5.5.1.b): 13.044 ACRES (PIN 132172.00; 2.268 ACRES AND PIN 128977.00; 10.776 ACRES)

2.4. PROJECT DESCRIPTION (5.5.1.a):

TITLE: SR-22 INDUSTRIAL ACCESS SUPPORT ON STATE ROUTE 22 FOR PROJECT SONIC (PIN 132172.00) AND CATES LANDING ROAD STATE INDUSTRIAL ACCESS FOR PROJECT SONIC (PIN 128977.00)
COUNTY: LAKE
PIN: 132172.00 AND 128977.00

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) 7B AND 14B-14D , DRAINAGE MAP SHEET(S) 6 AND 11-12 , 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)
Bruin silt loam, 0 to 2 percent slopes, occasionally flooded, brief	C	27.4	0.55
Bowdre silty clay	C/D	28.6	0.55
Bruin very fine sandy loam, 0 to 2 percent slopes, frequently flooded	C	22.5	0.55
Commerce silt loam	C/D	4.5	0.49
Levees and borrow pits (Levees and Mhoon)	N/A	10	N/A
Roellen-Openlake complex, 0 to 2 percent slopes, frequently flooded	C/D	7	0.32

2.12. IS ACID PRODUCING ROCK (APR) (i.e. PYRITE) LOCATED WITHIN THE PROJECT LIMITS? ☐ YES ☒ NO

2.12.1. IF YES TO SECTION 2.13, HAVE APR LOCATIONS BEEN IDENTIFIED WITHIN THE CONSTRUCTION PLANS AND/OR THE GEOTECHNICAL REPORT? ☐ YES ☐ NO; AND

2.12.2. IF YES TO SECTION 2.12.1, HAS A SPECIAL HANDLING PLAN AND/OR ADAPTIVE MANAGEMENT PLAN (AMP) BEEN PREPARED FOR THE PROJECT? ☐YES ☐ NO ☐ N/A (TDOT SP107L WILL BE APPLIED.)

2.13. PROJECT RUNOFF COEFFICIENTS AND AREA PERCENTAGES (5.5.3.6.a).

RUNOFF COEFFICIENTS FOR EXISTING CONDITIONS

AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	2.70	21	98	0.9
PERVIOUS	10.35	79	80	0.4
WEIGHTED CURVE NUMBER OR C-FACTOR =			84	0.5

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS

AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	4.31	33	98	0.9
PERVIOUS	8.74	67	80	0.4
WEIGHTED CURVE NUMBER OR C-FACTOR =			86	0.6

3. ORDER OF CONSTRUCTION ACTIVITIES (5.5.1.a)

CONSTRUCTION SHALL BE SEQUENCED AND STAGED TO: MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED SOIL AREAS, PRESERVE TOPSOIL, AND MINIMIZE SOIL COMPACTION. NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE ORDER OF CONSTRUCTION ACTIVITIES AND THE BASIC EPSC DEVICES DEPICTED ON THE EPSC PLAN CONTAINED WITHIN THE APPROVED SWPPP.

3.1. SPECIAL SEQUENCING REQUIREMENTS (SEE SHEETS N/A)

3.2. INSTALL STABILIZED CONSTRUCTION EXITS.

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

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

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

3.6. REMOVE AND STORE TOPSOIL.

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

3.8. INSTALL STORM SEWERS, CULVERTS AND BRIDGE STRUCTURES.

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

3.10. PERFORM FINAL GRADING AND INSTALL BASE STONE.

3.11. COMPLETE FINAL PAVING AND SEALING OF CONCRETE.

3.12. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.

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

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

3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

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

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

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

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

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

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

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

RECEIVING WATERS OF THE STATE INFORMATION

TDOT STATE WATER LABEL FROM EBR	NAME OF RECEIVING STATE WATER	303d WITH UNAVAILABLE PARAMETERS FOR SILTATION (YES OR NO)	ETW (YES OR NO)	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)
TN08010100 001_0110	Old Graveyard Slough	YES	NO	NO	YES
TN08010202 040T_0100	Big Ronaldson Slough	NO	NO	NO	YES

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	48S022-S3-002	
PS&E	2026	48ACOU-S3-002	S-2

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

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	112+00 RT	112+50 RT	0	0
WTL-2	113+00 RT	114+50 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) _____.

5. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES (5.5.3.)

5.1. EPSC MEASURES MUST BE DESIGNED, INSTALLED AND MAINTAINED TO CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE EROSION (4.1.1).

5.2. EPSC MEASURES MUST CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOWS AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS, STREAM CHANNELS, AND STREAM BANKS. (4.1.1)

5.3. HAVE THE CONTROL MEASURES BEEN DESIGNED PER THE SIZE AND SLOPE OF THE DISTURBED DRAINAGE AREA (5.5.3.5.)?

☒YES ☐ NO

5.4. THE CONTROL MEASURES HAVE, AT A MINIMUM, BEEN DESIGNED FOR THE 5-YEAR, 24 HOUR STORM EVENT (5.5.3.5., 6.4.1.b).

5.5. ARE THE LIMITS OF DISTURBANCE CLEARLY MARKED ON THE EPSC PLANS (5.5.1.f)? ☒ YES ☐ NO

5.6. AREAS TO BE UNDISTURBED SHALL BE CLEARLY MARKED IN THE FIELD BEFORE CONSTRUCTION ACTIVITIES BEGIN.

5.7. UNLESS OTHERWISE NOTED IN THE PLANS, THE CONTRACTOR SHALL NOT CLEAR/DISTURB ANY AREA BEYOND 15 FEET FROM SLOPE LINES OR ROW/ EASEMENT LINE, WHICHEVER IS LESSER.

5.8. CLEARING, GRUBBING, AND OTHER DISTURBANCE TO RIPARIAN VEGETATION SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR SLOPE CONSTRUCTION AND EQUIPMENT OPERATIONS. EXISTING VEGETATION, INCLUDING STREAM AND WETLAND BUFFERS (UNLESS PERMITTED), SHOULD BE PRESERVED TO THE MAXIMUM EXTENT POSSIBLE. UNNECESSARY VEGETATION REMOVAL IS PROHIBITED.

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

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DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	48S022-S3-002	
PS&E	2026	48ACOU-S3-002	S-3

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 7A AND 14A 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 7A AND 14A (5.5.3.1.j).

5.20. DISCHARGES FROM DEWATERING ACTIVITIES ARE PROHIBITED UNLESS MANAGED BY APPROPRIATE CONTROLS THAT PROVIDE THE LEVEL OF TREATMENT (FILTRATION) NECESSARY TO COMPLY WITH PERMIT REQUIREMENTS. (4.1.3.).

5.21. SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE OR WELL VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT.

5.22. DISCHARGES FROM SEDIMENT BASINS AND IMPOUNDMENTS SHALL UTILIZE OUTLET STRUCTURES THAT ONLY WITHDRAW WATER FROM NEAR THE SURFACE OF THE BASIN OR IMPOUNDMENT. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE, WELL- VEGETATED AND/OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT. (5.5.3.5.).

5.23. THE DEWATERING OF WORK AREAS, TRENCHES, FOUNDATIONS, EXCAVATIONS, ETC. THAT HAVE COLLECTED STORMWATER, WATER FROM VEHICLE WASH AREAS, OR GROUNDWATER SHALL BE EITHER HELD IN SETTLING BASINS OR TREATED BY FILTRATION AND/OR CHEMICAL TREATMENT PRIOR TO ITS DISCHARGE. ALL CHEMICAL TREATMENTS MUST BE APPLIED PER SECTION 6 FLOCCULANTS.

5.24. WATER DISCHARGED FROM DEWATERING ACTIVITIES SHALL NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITHIN THE RECEIVING NATURAL RESOURCE. WATER MUST BE HELD WITHIN SETTLING BASINS UNTIL IT IS AT LEAST AS CLEAR AS THE RECEIVING WATERS.

5.25. DEWATERING STRUCTURES, SEDIMENT FILTER BAGS, SEDIMENT BASINS AND TRAPS SHALL NOT BE LOCATED CLOSER THAN 30 FEET (60 FEET DESIRABLE VEGETATIVE BUFFER) FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS (ETW) AND 15 FEET (30 FEET DESIRABLE VEGETATIVE BUFFER) FOR ALL OTHER FEATURES FROM THE TOP BANK OF A STREAM, WOTUS (EPHEMERAL), WETLAND OR OTHER NATURAL RESOURCE AND SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED.

5.26. STABILIZATION PRACTICES: PRE-CONSTRUCTION VEGETATIVE COVER WILL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 2 WEEKS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA WILL BE SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED (5.5.3.5.f).

5.27. STABILIZATION MEASURES WILL BE INITIATED AS SOON AS POSSIBLE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT STABILIZATION WILL BE COMPLETED WITHIN 2 WEEKS AFTER ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED IN THAT AREA. PERMANENT STABILIZATION WILL REPLACE TEMPORARY MEASURES AS SOON AS PRACTICABLE (5.5.3.4.).

5.28. PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER-RUN WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE

5.29. DELAYING THE PLANTING OF COVER VEGETATION UNTIL WINTER MONTHS OR DRY MONTHS SHOULD BE AVOIDED, IF POSSIBLE.

5.30. STEEP SLOPES SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 1 WEEK AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED. (5.5.3.4.).

6. FLOCCULANTS (3.5.3.1.b)

IS ADDITIONAL PHYSICAL OR CHEMICAL TREATMENT OF STORMWATER RUNOFF NECESSARY (5.5.3.5.)? ☐ YES ☒ NO

IF YES, THE FOLLOWING NOTES APPLY:

6.1. ENSURE THE FLOCCULANT EMULSIONS AND POWDERS ARE OF THE ANIONIC TYPE (5.5.3.5.). AND MEET THE FOLLOWING REQUIREMENTS:

6.1.1. MEETS THE EPA AND FDA ACRYLAMIDE MONOMER LIMITS OF EQUAL TO OR GREATER THAN 0.005% ACRYLAMIDE MONOMER.

6.1.2. HAS A DENSITY OF 10% TO 55% BY WEIGHT AND A MOLECULAR WEIGHT OF 16 TO 24 MG/MOLE (MILLIGRAM PER MOLE).

6.1.3. MIXTURE IS NON-COMBUSTIBLE.

6.1.4. CONTAINS ONLY MANUFACTURER'S RECOMMENDED ADDITIVES.

6.2. FLOCCULANT SHALL BE MIXED AND APPLIED IN ACCORDANCE WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) MATERIAL SAFETY DATA SHEET REQUIREMENTS AND THE MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIED USES CONFORMING TO ALL FEDERAL, STATE, AND LOCAL LAWS, RULES, AND REGULATIONS.

6.3. ALL VENDORS AND SUPPLIERS OF FLOCCULANT BLENDS SHALL PRESENT OR SUPPLY A WRITTEN TOXICITY REPORT WHICH VERIFIES ACCEPTABLE TOXICITY PARAMETERS WHICH MEET OR EXCEED THE EPS REQUIREMENTS FOR THE STATE AND FEDERAL WATER QUALITY STANDARDS. WHOLE EFFLUENT TESTING DOES NOT MEET THIS REQUIREMENT AS PRIMARY REACTIONS HAVE OCCURRED AND TOXIC POTENTIALS HAVE BEEN REDUCED. CATIONIC FORMS OF FLOCCULANTS ARE NOT ALLOWED UNDER THIS SECTION DUE TO HIGH LEVELS OF TOXICITY TO AQUATIC ORGANISMS. FLOCCULANT EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN WATERS DUE TO SURFACTANT TOXICITY. THE CONTRACTOR MUST SEEK THE APPROVAL OF THE EPSC DESIGN ENGINEER AND TDOT IF CHITOSAN IS PROPOSED FOR THIS PROJECT.

6.4. ALL VENDORS AND SUPPLIERS OF FLOCCULANT BLENDS SHALL SUPPLY WRITTEN "SITE SPECIFIC" TESTING RESULTS DEMONSTRATING A PERFORMANCE OF 95% OR GREATER REDUCTION OF NTU OR TSS FROM STORMWATER DISCHARGES.

6.5. EMULSION BATCHES SHALL BE MIXED FOLLOWING RECOMMENDATIONS OF THE TESTING LABORATORY THAT DETERMINES THE PROPER PRODUCT AND RATE TO MEET SITE REQUIREMENTS. APPLICATION METHODS SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA. EMULSIONS SHALL NEVER BE APPLIED DIRECTLY TO STORMWATER RUNOFF OR RIPARIAN BUFFERS.

6.6. FLOCCULANT POWDER MAY BE APPLIED BY A HAND OR MECHANICAL SPREADER. MIXING OF THE FLOCCULANT POWDER WITH DRY SILICA SAND WILL AID IN SPREADING.

6.7. PREMIXING OF FLOCCULANT POWDER INTO FERTILIZER, SEED, OR OTHER SOIL AMENDMENTS IS ALLOWED WHEN SPECIFIED IN THE DESIGN PLAN. APPLICATION METHOD SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA.

6.8. FLOCCULANT LOGS OR BLOCKS SHALL BE APPLIED FOLLOWING SITE TESTING RESULTS TO ENSURE PROPER PLACEMENT AND PERFORMANCE AND SHALL MEET OR EXCEED STATE AND FEDERAL WATER QUALITY REQUIREMENTS.

6.9. DO NOT APPLY FLOCCULANTS DIRECTLY TO, OR WITHIN 60 FEET, OF ANY STREAMS, WETLANDS, OR OTHER NATURAL WATER RESOURCE LOCATED ON OR ADJACENT TO THE CONSTRUCTION SITE. DO NOT APPLY FLOCCULANTS DIRECTLY INTO WATERS CONTAINED WITHIN SEDIMENT PONDS OR TO SLOPES THAT PRODUCE RUNOFF DIRECTLY INTO A STREAM, WETLAND, OR OTHER NATURAL WATER RESOURCE. DO NOT APPLY FLOCCULANTS IMMEDIATELY AT A STORMWATER OUTFALL WHERE RUNOFF LEAVES THE PROJECT LIMITS.

7. UTILITY RELOCATION

ARE UTILITIES INCLUDED IN THE CONTRACT? ☐ YES ☒ NO

IF YES, THE FOLLOWING APPLY:

7.1. STORMWATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND TREATED PRIOR TO DISCHARGE.

7.2. SILT FENCE SHALL BE INSTALLED ON THE DOWNGRADIENT SIDE OF STOCKPILED SOIL. ANY TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING DRY CONDITIONS, REMOVED AND STABILIZED BY THE END OF THE WORK DAY.

7.3. UTILITY CROSSINGS IN ENVIRONMENTAL FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. ENVIRONMENTAL PERMITS APPLY TO UTILITIES IN THIS PROJECT. THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMITS.

7.4. IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR TO PROTECT EXPOSED EARTH FROM EROSION AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE EPSC MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFF-SITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME, SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFF-SITE AND ENTERING WATERS OF THE STATE/U.S.

7.5. FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN FOURTEEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOILS OF EXCAVATED EARTH SHALL BE LOCATED WITHIN TDOT EPSC MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE STATE UTILITY CONTRACTOR UNTIL THE TRENCH IS BACKFILLED.

7.6. IN REGARDS TO EPSC, TDEC REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS ON THIS PROJECT. THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT.

7.7. TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORMWATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EPSC MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.

7.8. FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT RIGHT-OF-WAY, EPSC MEASURES SHALL BE INSTALLED PRIOR TO CLEARING (TRENCHING AND ASSOCIATED BLASTING) IN THOSE AREAS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION

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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): N/A

10.3. OTHER ITEMS NEEDING CONTROL (5.5.3.7.)

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

- ☒ LUMBER, GUARDRAIL, TRAFFIC CONTROL DEVICES
- ☒ CONCRETE WASHOUT
- ☒ PIPE CULVERTS (I.E. CONCRETE, CORRUGATED METAL, HDPE, ETC.)
- ☒ MINERAL AGGREGATES, ASPHALT
- ☒ EARTH
- ☒ LIQUID TRAFFIC STRIPING MATERIALS, PAINT
- ☒ ROCK
- ☒ CURING COMPOUND
- ☐ EXPLOSIVES
- ☐ OTHER _____

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

10.4. WASTE MATERIALS (5.5.3.7.c)

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

10.5. HAZARDOUS WASTE (5.5.3.7.c) (8.8)

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

10.6. SANITARY WASTE (5.5.3.7.b)

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

10.7. OTHER MATERIALS

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

☒ FERTILIZERS AND LIME

☒ PESTICIDES AND/OR HERBICIDES

☒ DIESEL AND GASOLINE

☒ MACHINERY LUBRICANTS (OIL AND GREASE)

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

11. NON-STORMWATER DISCHARGES (5.5.3.12.)

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

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

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

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

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

☒ UNCONTAMINATED GROUNDWATER OR SPRING WATER.

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

☐ OTHER: _____

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

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

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

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

☐ YES ☒ NO

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

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

12.1. SPILL PREVENTION (5.5.3.7.c)

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

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

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

12.2. MATERIAL MANAGEMENT

12.2.1. HOUSEKEEPING

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

12.2.2. HAZARDOUS MATERIALS

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

12.3. PRODUCT SPECIFIC PRACTICES

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

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

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

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

12.4. SPILL MANAGEMENT

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

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

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

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

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

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

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

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

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

12.5. SPILL NOTIFICATION (6.1)

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

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

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

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

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

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REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES.

13. RECORD-KEEPING

13.1. REQUIRED RECORDS

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

13.1.1. THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR.

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

13.1.3. THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.

13.1.4. RECORDS EPSC INSPECTION REPORTS AND CORRECTIVE MEASURES.

13.1.5. RECORDS OF QUALITY ASSURANCE SITE ASSESSMENTS.

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

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

13.2. RAINFALL MONITORING PLAN (7.2.1.):

13.2.1. EQUIPMENT

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

13.2.2. LOCATION

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

13.2.3. METHODS

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

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

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

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

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

13.3. KEEPING PLANS CURRENT (5.4.)

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

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

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

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

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

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

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

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

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

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

13.4. MAKING PLANS ACCESSIBLE

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

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

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

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

13.4.2.3. A BRIEF DESCRIPTION OF THE PROJECT; AND

13.4.2.4. THE LOCATION OF THE SWPPP.

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

13.5. NOTICE OF TERMINATION (9.0.)

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

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

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

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

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

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

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

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

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

13.6. RETENTION OF RECORDS (7.1.)

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

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DEPARTMENT OF TRANSPORTATION

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	48S022-S3-002	
PS&E	2026	48ACOU-S3-002	S-7

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

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

AUTHORIZED TDOT PERSONNEL SIGNATURE (5.3.3.)

Robbie Stephens

PRINTED NAME

Statewide Transportation Engineer

TITLE

11/4/2025

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

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

*THE TDOT ENVIRONMENTAL DIVISION MUST BE NOTIFIED SIX MONTHS PRIOR TO PERMIT EXPIRATION 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)**:

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	48S022-S3-002	
PS&E	2026	48ACOU-S3-002	S-8

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

OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	STAGE 4 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
1	N/A	104+00 LT	0.23	1.180	1.180	1.180	1.180	N/A	N/A	WWC-1	PIN 132172.00
2	N/A	104+00 RT	0.23	1.088	1.088	1.088	1.088	N/A	N/A	WWC-2	PIN 132172.00
1	1A	114+50 LT	0.23	0.730	0.730	0.730	0.730	N/A	N/A	WWC-1	PIN 128977.00
1	1B	121+50 LT	0.23	2.656	2.656	2.656	2.656	N/A	N/A	WWC-1	PIN 128977.00
1	1C	145+50 LT	0.10	1.648	1.648	1.648	1.648	N/A	N/A	WWC-1	PIN 128977.00
2	N/A	163+00 LT	0.52	0.172	0.172	0.172	0.172	N/A	N/A	WWC-1	PIN 128977.00
3	N/A	114+50 RT	0.10	0.668	0.668	0.668	0.668	N/A	N/A	WWC-2	PIN 128977.00
4	N/A	120+00 RT	0.10	2.524	2.524	2.524	2.524	N/A	N/A	WWC-2	PIN 128977.00
5	N/A	142+50 RT	0.10	2.184	2.184	2.184	2.184	N/A	N/A	WWC-2	PIN 128977.00
6	N/A	163+00 RT	0.52	0.194	0.194	0.194	0.194	N/A	N/A	WWC-2	PIN 128977.00

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	48ACOU-S3-002	U1-1
		–	

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

PIN: 128977.00

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

LAKE COUNTY

STATE INDUSTRIAL ACCESS SERVING PROJECT SONIC

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

CONTRACT TYPE	UTILITY	UTILITY OWNERS & CONTACTS:	CONTRACT TYPE	UTILITY	UTILITY OWNERS & CONTACTS:
NO COST	ELECTRIC	GIBSON ELECTRIC MEMBERSHIP CORP. STACEY NICKS 1207 S. COLLEGE STREET TRENTON, TN 38382 731-446-3236 snicks@gibsonemc.com			
NO COST	TELEPHONE FIBER OPTIC	AT&T DANIEL POTTS 315 E. MAIN STREET JACKSON, TN. 38301 901-488-2359 dp7607@att.com			
NO CONFLICT	SEWER	CITY OF TIPTONVILLE KENT ROBERSON 130 SOUTH COURT STREET TIPTONVILLE, TN 38079 731-442-1567 kent.roberson@tiptonvillecityhall.com			
NO COST	WATER	CITY OF TIPTONVILLE KENT ROBERSON 130 SOUTH COURT STREET TIPTONVILLE, TN 38079 731-442-1567 kent.roberson@tiptonvillecityhall.com			

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY INDEX
AND
UTILITY OWNERS

SPECIAL NOTES

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

22-OCT-2025 17:05
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