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STACY LYNN WEAVER

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TENNESSEE DEPARTMENT OF TRANSPORTATION
7345 REGION LANE

KNOXVILLE, TENNESSEE 37914
STACY WEAVER, P.E. NO. 111922

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

SHEET NAME	SHEET NO.
SIGNATURE SHEET	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD ROADWAY DRAWINGS	1A1
STANDARD TRAFFIC DESIGN DRAWINGS	1A3
PROJECT COMMITMENTS	1B
ESTIMATED ROADWAY QUANTITIES	2, 2-1
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B
TYPICAL SECTIONS	2B1, 2B2
TYPICAL SECTIONS AND DETAILS	2B3, 2B4
GENERAL NOTES	2C, 2C1
SPECIAL NOTES	2D
ENVIRONMENTAL NOTES	2E
TABULATED QUANTITIES	2F – 2F4
RIGHT-OF-WAY NOTES, UTILITY NOTES AND UTILITY OWNERS	3
RIGHT-OF-WAY ACQUISITION TABLE	3A, 3B
PROPERTY MAPS	3C – 3E
PRESENT LAYOUTS	4 – 19
RIGHT OF WAY DETAILS	4A – 19A
PROPOSED LAYOUTS	4B – 19B
PROPOSED PROFILES	4C – 14C
SIDE ROADS PROFILES	20 - 28
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES	29 - 37
DRAINAGE MAPS	38 – 40
CULVERT SECTIONS	41 – 47
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	48, 49-51P
ROADWAY CROSS SECTIONS	52 – 144
SIDE ROAD CROSS SECTIONS	145 – 201
TRAFFIC CONTROL PLANS	T1-T3, T3A, T4-T5P, T6-T7



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Bryan Bartnik
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TENNESSEE DEPARTMENT OF TRANSPORTATION
7345 REGION LANE

KNOXVILLE, TENNESSEE 37914
BRYAN BARTNIK, P.E. NO. 119211

SHEET NAME	SHEET NO.
SIGNATURE SHEET	ROADWAY-SIGN1
SIGNING AND PAVEMENT MARKING PLANS	51A1 – 51A16
SIGN SCHEDULE SHEETS	51B1 – 51B3

YEAR	PROJECT NO.	SHEET NO.
2026	R-STP-322(15)	ROADWAY-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

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

TENN.	YEAR	SHEET NO.
	2026	1
FED. AID PROJ. NO.	R-STP-322(15)	
STATE PROJ. NO.	62016-3206-14	

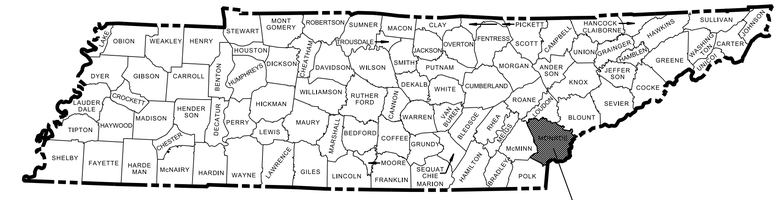
MONROE COUNTY

S.R. 322: FROM SHEPPARD ROAD
TO S.R. 72 (***) (IA) (TMA)

PS&E

GRADE, DRAIN, BASE, PAVE, GUARDRAIL AND SIGNAL

STATE HIGHWAY NO. 322 F.A.H.S. NO. NA



PROJECT LOCATION: S.R. 322 MONROE CO.
BRIDGE ID 62S24300001

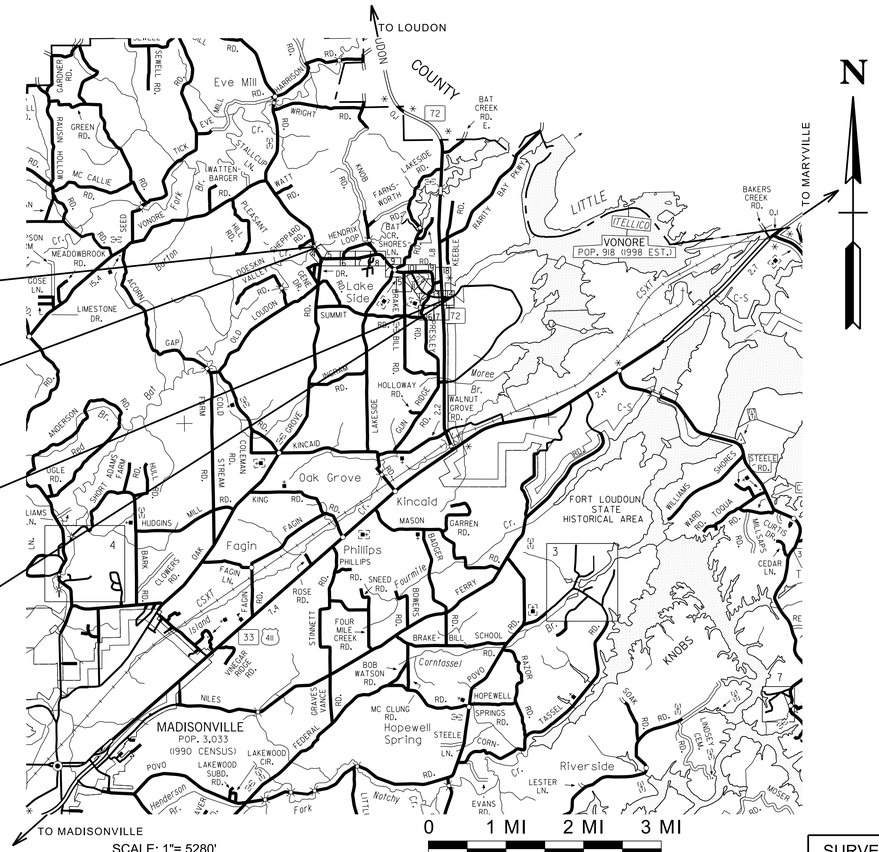
NO EXCLUSIONS

62016-2206-14
BEGIN PROJECT NO. R-STP-322(15) R.O.W.
STA. 500+41.07 (R.O.W.) L.M. 13.32
N 471725.8505 E 2473024.3864

62016-3206-14
BEGIN PROJECT NO. R-STP-322(15) CONST.
STA. 501+25.00 (CONST.) L.M. 13.34
N 471642.0100 E 2473028.2608

62016-3206-14
END PROJECT NO. R-STP-322(15) CONST.
STA. 617+10.00 (CONST.) L.M. 15.53
N 468120.2971 E 2482754.9559

62016-2206-14
END PROJECT NO. R-STP-322(15) R.O.W.
STA. 617+40.00 (R.O.W.) L.M. 15.54
N 468141.4737 E 2482776.2032



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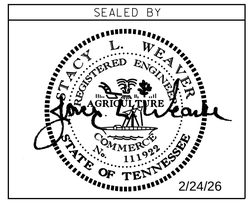

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S.R. 72 (12-02-25)

TRAFFIC DATA	
ADT (2026)	9150
ADT (2046)	10975
DHV (2046)	1305
D	50 - 50
T (ADT)	11 %
T (DHV)	9 %
V	55 MPH

APPROVED: SHANE HESTER, CHIEF ENGINEER

DATE:

APPROVED: WILL REID, COMMISSIONER

S.R. 322 (12-02-25)

SURVEY 01-26-16	TRAFFIC DATA	
UPDATED SURVEY 05/24/17	ADT (2026)	3580
UPDATED SURVEY 07/07/17	ADT (2046)	4300
UPDATED SURVEY 09/25/17	DHV (2046)	602
UPDATED SURVEY 02/21/18	D	50 - 50
UPDATED SURVEY 07/16/24	T (ADT)	7 %
	T (DHV)	5 %
	V	50 MPH

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

R.O.W. LENGTH	2.215 MILES
ROADWAY LENGTH	2.194 MILES
BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES
BOX BRIDGE LENGTH	0.000 MILES ▲
PROJECT LENGTH	2.194 MILES

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

SPECIAL NOTES

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

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

T.D.O.T. PROJECT MANAGER: TRACIE WIDNER

DESIGNER : MARK PARRISH, P.E. CHECKED BY : AARON HAYS, P.E.

P.E. NO. 62016-1206-14 (DESIGN)

PIN NO. 102380.02

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	1A

ROADWAY INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROADWAY-SIGN1
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD ROADWAY DRAWINGS	1A1
STANDARD TRAFFIC DESIGN DRAWINGS	1A3
PROJECT COMMITMENTS	1B
ESTIMATED ROADWAY QUANTITIES	2, 2-1
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B
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SIDE ROADS PROFILES	20-28
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES	29-37
DRAINAGE MAPS	38-40
CULVERT SECTIONS	41 – 47
EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLANS	48, 49-51P
SIGNING AND PAVEMENT MARKING PLANS	51A1 – 51A16
SIGN SCHEDULE SHEETS	51B1 – 51B3
ROADWAY CROSS SECTIONS	52 – 144
SIDE ROAD CROSS SECTIONS	145 – 201
TRAFFIC CONTROL PLANS	T1-T3, T3A, T4-T5P, T6-T7
GEOTECHNICAL PLANS	G-1
SIGNAL PLANS	SIG-1
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PLANS	S-1
UTILITY PLANS	U1–1

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

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS AND LEGENDS		
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	01-30-26	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-3	03-01-23	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	10-01-24	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
ROADWAY DESIGN STANDARDS		
RD01-SE-3	10-15-02	RURAL SUPERELEVATION DETAILS
RD01-TS-1	02-05-16	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD01-TS-1A	02-05-16	DESIGN STANDARDS FOR LOW-VOLUME LOCAL ROADS (ADT<=400)
RD01-TS-2	03-16-17	DESIGN STANDARDS FOR COLLECTOR ROADS AND STREETS
RD01-TS-3	10-15-02	DESIGN STANDARD FOR 2-LANE ARTERIAL HIGHWAYS
RD01-S-11	04-04-03	DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD01-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD01-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD01-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD01-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
PIPE CULVERTS AND ENDWALLS		
D-PB-1	03-01-23	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-2	03-01-23	STANDARD DETAILS FOR FLEXIBLE PIPE INSTALLATION
D-PB-3	11-30-20	INDUCED TRENCH SOIL EMBANKMENT FOR PIPE CULVERT INSTALLATION
D-PO-1	06-28-19	STANDARD OVAL AND FLAT BASE CONCRETE ARCH PIPE CULVERT
D-PE-18A	06-28-19	TYPE “U” CROSS DRAIN ENDWALL FOR 18” PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-18B	06-28-19	TYPE “U” CROSS DRAIN ENDWALL FOR 18” PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-24A	06-28-19	TYPE “U” CROSS DRAIN ENDWALL FOR 24” PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-24B	06-28-19	TYPE “U” CROSS DRAIN ENDWALL FOR 24” PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-30A	06-28-19	TYPE “U” CROSS DRAIN ENDWALL FOR 30” PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-30B	06-28-19	TYPE “U” CROSS DRAIN ENDWALL FOR 30” PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-36A	06-28-19	TYPE “U” CROSS DRAIN ENDWALL FOR 36” PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-36B	06-28-19	TYPE “U” CROSS DRAIN ENDWALL FOR 36” PIPE, BILL OF STEEL AND PRECAST NOTES
D-PE-48A	06-28-19	TYPE “U” CROSS DRAIN ENDWALL FOR 48” PIPE (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-48B	06-28-19	TYPE “U” CROSS DRAIN ENDWALL FOR 48” PIPE, BILL OF STEEL AND PRECAST NOTES
SD-MSE-1	06-28-19	SIDE DRAIN MITERED END SECTION
D-PE-4	06-28-19	STRAIGHT CONCRETE ENDWALLS (PIPE SIZES 18” TO 30”)
D-PE-5	06-28-19	STANDARD CONCRETE ENDWALLS FOR HORIZONTAL OVAL CONCRETE PIPES (ALL SIZES AND SHEWS)
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-5		RIP-RAP END TREATMENT FOR CORRUGATED METAL PIPE, OVAL AND PIPE ARCH CULVERTS WITH BEVELED ENDS (PIPE SIZES 42” & LARGER)
CATCH BASINS AND MANHOLES		
D-CB-41SC	02-20-20	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-JBS-3	02-20-20	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 3 JUNCTION BOX
ROADWAY, PAVEMENT APPURTENANCES, AND FENCES		
RP-D-15	04-01-25	DETAILS OF STANDARD CONCRETE DRIVEWAYS
RP-I-5	05-01-20	EXAMPLES OF STREET & ALLEY INTERSECTION
RP-R-1	04-21-25	STANDARD RAMP DETAILS FOR ROADWAYS AND DRIVEWAYS
RP-R-1A	04-21-25	STANDARD RAMP DETAILS FOR LOW VOLUME RURAL ROADWAYS
S-F-1	03-01-23	HIGH VISIBILITY FENCE
S-RP-2	06-28-19	STANDARD CONCRETE RIGHT-OF-WAY MARKERS

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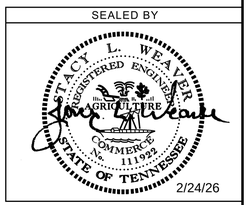

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

IB-17-09, 12, 13 &14

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	1A1

STANDARD ROADWAY DRAWINGS (CONT.)

SAFETY DESIGN AND GUARDRAILS

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

EROSION PREVENTION AND SEDIMENT CONTROL

EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3B	06-15-21	SILT FENCE
EC-STR-3C	03-01-23	SILT FENCE WITH WIRE BACKING
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-6	11-30-20	ROCK CHECK DAM
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-11	03-16-17	CULVERT PROTECTION TYPE 1
EC-STR-11A	08-01-12	CULVERT PROTECTION TYPE 2
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-27	08-01-12	TEMPORARY SLOPE DRAIN AND BERM
EC-STR-31	05-04-22	TEMPORARY DIVERSION CHANNEL
EC-STR-31A	04-01-08	TEMPORARY DIVERSION CHANNEL DESIGN
EC-STR-34	05-04-22	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-37	06-10-14	SEDIMENT TUBE

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

STANDARD ROADWAY DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	1A3

STANDARD TRAFFIC DESIGN DRAWINGS

DWG.	REV.	DESCRIPTION
10-200.00	**SIGN**	
T-S-6	07-30-25	STANDARD MOUNTING DETAILS - BOLTED EXTRUDED PANELS
T-S-9	07-30-25	STANDARD LAYOUT - GROUND MOUNTED SIGNS
T-S-10	07-30-25	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS, ALUMINUM-STEEL DESIGN
T-S-11	07-30-25	DELINEATOR AND MILEPOST DETAILS
T-S-12	07-30-25	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, SQUARE TUBES
T-S-16	07-30-25	GROUND MOUNTED ROADSIDE “U” POST SIGN PLACEMENT DETAILS
T-S-17	07-30-25	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-19	07-30-25	STANDARD STEEL SIGN SUPPORTS
T-S-20	07-30-25	SIGN DETAILS
T-S-23A	07-30-25	MULTI-DIRECTIONAL SLIP BASE BREAKAWAY P-POST SIGN SUPPORT
T-S-23B	07-30-25	MULTI-DIRECTIONAL SLIP BASE BREAKAWAY STRUCTURAL PIPE SIGN SUPPORT
T-S-23C	07-30-25	BREAKWAY POST SIGN SUPPORTS
10-201.00	**SIGNALS**	
T-SG-1	12-18-25	WOOD POLE DETAILS FOR SPAN MOUNTED SIGNALS
T-SG-2	12-18-25	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-3	12-18-25	INDUCTIVE LOOP DETECTIONG DETAILS
T-SG-3B		ALTERNATE DETECTION DETAILS
T-SG-4	12-18-25	SPAN WIRE AND MESSENGER CABLE DETAILS
T-SG-5	12-18-25	CONTROLLER CABINET DETAILS
T-SG-7	12-18-25	SIGNAL HEAD ASSEMBLIES
T-SG-7D	12-18-25	TYPICAL SIGNAL HEAD PLACEMENT TWO-LANE APPROACHES
T-SG-8	12-18-25	STRAIN POLE DETAILS FOR SPAN MOUNTED SIGNALS
T-SG-9A	12-18-25	MISCELLANEOUS SIGNAL DETAILS
T-SG-10	12-18-25	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
T-SG-11	12-18-25	MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTION
T-SG-12	12-18-25	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
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, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	01-24-25	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-15A	01-24-25	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED ROUTES
T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-36	03-26-25	LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY

DWG.	REV.	DESCRIPTION
T-WZ-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD
T-WZ-PBR1	03-26-25	INTERCONNECTED PORTABLE BARRIER RAIL
T-WZ-PBR2	03-26-25	DETAILS FOR WORK ZONE CHANNELIZATION DEVICES
T-WZ-PCB1	03-26-25	10 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB2	03-26-25	20 FOOT PORTABLE CONCRETE BARRIER RAIL
T-WZ-PCB2A	03-26-25	20 FOOT PORTABLE CONCRETE BARRIER RAIL STIFFENER TUBE
T-WZ-PCB3	03-26-25	PORTABLE CONCRETE BARRIER RAIL DETAILS
T-WZ-PCB4	07-22-25	PORTABLE CONCRETE BARRIER RAIL ANCHOR PIN DETAILS

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
111922
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD
TRAFFIC
DESIGN
DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	1B

PROJECT COMMITMENTS

COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STATION / LOCATION
EDHZ001	ENVIRONMENTAL DIVISION, HAZARDOUS MATERIALS	AN ASBESTOS CONTAINING MATERIAL (ACM) SURVEY WAS PERFORMED ON BRIDGE NO. 62S24300001, SR-322 OVER BAT CREEK, LM 13.32 (62-SR322-13.32). THE BRIDGE HAS ASBESTOS IN THE VERTICAL DECK DRAINS AND ASSUMED ACM IN BEARING PAD MATERIAL. THERE ARE 32 TRANSITE DECK DRAINS (50 LINEAR FEET) AT 20% CHRYSOTILE AND 5% CROCIDOLITE, AND APPROXIMATELY 200 SQUARE FEET OF BEARING PAD MATERIAL BETWEEN BENTS AND BEAMS THAT HAS ASSUMED ASBESTOS BASED ON SIMILAR POSITIVE MATERIAL IN OTHER NEARBY BRIDGES OF SIMILAR CONSTRUCTION. PLEASE SEE THE REPORT FOR FURTHER DETAILS AND PHOTOGRAPHS.	STA 500+40
EDHZ002	ENVIRONMENTAL DIVISION, HAZARDOUS MATERIALS	THE STATE OF TENNESSEE ASBESTOS ACCREDITATION REQUIREMENTS (TDEC RULES CHAPTER 1200-01-20) MANDATES THAT ACM ABATEMENT WORK BE PERFORMED BY AN ACCREDITED FIRM (CONTRACTOR) USING ACCREDITED ABATEMENT WORKERS AND SUPERVISORS. ABATEMENT OF THIS MATERIAL SHOULD BE ACCOMPLISHED PER SP202ACM SPECIAL PROVISION REGARDING REMOVAL OF ASBESTOS-CONTAINING MATERIALS. ACM ABATEMENT SHOULD BE COMPLETED PRIOR TO ANY DEMOLITION ACTIVITIES IF POSSIBLE. PRIOR TO THE DEMOLITION OR REHABILITATION OF ANY STRUCTURE (BRIDGE OR BUILDING), THE CONTRACTOR IS REQUIRED TO SUBMIT THE NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS STANDARD 10-DAY NOTICE OF DEMOLITION TO THE TDEC DIVISION OF AIR POLLUTION CONTROL (PER TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2021) SECTIONS 107.08 D AND 202.03).	STA 500+40
EDAC002	ENVIRONMENTAL DIVISION, ARCHEOLOGICAL	UPDATED ARCHAEOLOGY COMMITMENT: PER COORDINATION WITH THE TDOT ARCHAEOLOGY SECTION, COMPLETED ON 05/20/2020, ALL CONSTRUCTION ACTIVITIES SHOULD AVOID THE ST. PAUL'S LUTHERAN CHURCH CEMETERY LOCATED SOUTH OF SR-322 ON THE WESTSIDE OF BRAKEBILL ROAD. (TRACT 49, ON SHEET 10 OF THE 05/20/2022 ROW PLANS).	TRACT 49

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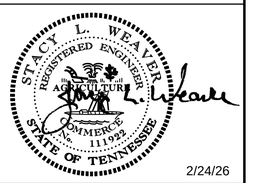

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROJECT COMMITMENTS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	2

REV. 10-01-25: ADDED ITEM 607-39.01.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 62016-3206-14
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
	202-02.01	REMOVAL OF PIPE (18" ,STA. 607+90)	L.F.	312
(23)	202-06.01	REMOVAL OF BUILDINGS (TRACT NO. 1)	LS	1
(23)	202-06.02	REMOVAL OF BUILDINGS (TRACT NO. 3)	LS	1
(23)	202-06.03	REMOVAL OF BUILDINGS (TRACT NO. 8,11,12)	LS	1
(23)	202-06.04	REMOVAL OF BUILDINGS (TRACT NO. 10)	LS	1
(23)	202-06.05	REMOVAL OF BUILDINGS (TRACT NO. 14)	LS	1
(23)	202-06.06	REMOVAL OF BUILDINGS (TRACT NO. 18)	LS	1
(23)	202-06.07	REMOVAL OF BUILDINGS (TRACT NO. 19)	LS	1
(23)	202-06.08	REMOVAL OF BUILDINGS (TRACT NO.20)	LS	1
(23)	202-06.09	REMOVAL OF BUILDINGS (TRACT NO. 21,23)	LS	1
(23)	202-06.10	REMOVAL OF BUILDINGS (TRACT NO. 22)	LS	1
(23)	202-06.11	REMOVAL OF BUILDINGS (TRACT NO. 24)	LS	1
(23)	202-06.12	REMOVAL OF BUILDINGS (TRACT NO. 26)	LS	1
(23)	202-06.13	REMOVAL OF BUILDINGS (TRACT NO. 30)	LS	1
(23)	202-06.14	REMOVAL OF BUILDINGS (TRACT NO. 33)	LS	1
(23)	202-06.15	REMOVAL OF BUILDINGS (TRACT NO. 34)	LS	1
(23)	202-06.16	REMOVAL OF BUILDINGS (TRACT NO. 35)	LS	1
(23)	202-06.17	REMOVAL OF BUILDINGS (TRACT NO. 37)	LS	1
(23)	202-06.18	REMOVAL OF BUILDINGS (TRACT NO. 41)	LS	1
(23)	202-06.19	REMOVAL OF BUILDINGS (TRACT NO. 43)	LS	1
(23)	202-06.20	REMOVAL OF BUILDINGS (TRACT NO. 45)	LS	1
(23)	202-06.21	REMOVAL OF BUILDINGS (TRACT NO. 48)	LS	1
(23)	202-06.22	REMOVAL OF BUILDINGS (TRACT NO. 50)	LS	1
(23)	202-06.23	REMOVAL OF BUILDINGS (TRACT NO. 52)	LS	1
(23)	202-06.24	REMOVAL OF BUILDINGS (TRACT NO. 54)	LS	1
(23)	202-06.25	REMOVAL OF BUILDINGS (TRACT NO. 55)	LS	1
(23)	202-06.26	REMOVAL OF BUILDINGS (TRACT NO. 57)	LS	1
(23)	202-06.27	REMOVAL OF BUILDINGS (TRACT NO. 58)	LS	1
(23)	202-06.28	REMOVAL OF BUILDINGS (TRACT NO. 59)	LS	1
(23)	202-06.29	REMOVAL OF BUILDINGS (TRACT NO. 60)	LS	1
(23)	202-06.30	REMOVAL OF BUILDINGS (TRACT NO. 61)	LS	1
(23)	202-06.31	REMOVAL OF BUILDINGS (TRACT NO. 83)	LS	1
(23)	202-06.32	REMOVAL OF BUILDINGS (TRACT NO. 85)	LS	1
(1)(14)(26)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	232728
(24)	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	5729
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	15633
	203-06	WATER	M.G.	1795
(24)(29)	203-05	UNDERCUTTING	C.Y.	4994
	203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	4501
(24)	203-15.03	COMPACTED CLAY	C.Y.	4994
(18)	204-06.02	FLOWABLE FILL (EXCAVATABLE)	C.Y.	72
(31)	204-08.01	BACKFILL MATERIAL (FLOWABLE FILL)	C.Y.	99
(25)	208-01.05	BROOMING & DEGRASSING SHOULDERS	L.M.	8
(2)	209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.	1998
(2)	209-05	SEDIMENT REMOVAL	C.Y.	2130
(2)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	32657
(2)	209-08.07	ROCK CHECK DAM PER	EACH	410
(2)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	60
(2)(19)	209-09.01	SANDBAGS	BAG	1508
(2)	209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	4
(3)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	71591
(4)	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	3908
(17)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	2158
	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	5962
(21)	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	6361
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	2343
	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	1152
(5)	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	136
(5)	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	401

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 62016-3206-14
(5)	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	53
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	2397
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	3975
	411-02.10	ACS MIX(PG70-22) GRADING D	TON	747
	411-12.02	SCORING SHOULDERS (NON-CONTINUOUS) (16IN WIDTH)	L.M.	4
(6)	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	324
(6)	607-03.03	18" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	197
	607-03.10	18" CONCRETE PIPE CULVERT CLASS (IV) TRENCHLESS	L.F.	222
(6)	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	196
	607-05.10	24" CONCRETE PIPE CULVERT CLASS (IV) TRENCHLESS	L.F.	35
(6)	607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	180
	607-07.10	36" CONCRETE PIPE CULVERT CLASS (IV) TRENCHLESS	L.F.	153
(6)	607-08.02	42" CONCRETE PIPE CULVERT (CLASS III)	L.F.	102
(6)	607-09.02	48" CONCRETE PIPE CULVERT (CLASS III)	L.F.	180
	607-09.10	48" CONCRETE PIPE CULVERT CLASS (IV) TRENCHLESS	L.F.	34
(6)(30)	607-11.03	60" CONCRETE PIPE CULVERT (CLASS III)	L.F.	110
	607-16.01	23"X 14" HORIZONTAL OVAL CONCRETE PIPE CULVERT	L.F.	32
	607-39.01	15" PIPE CULVERT (SIDE DRAIN)	L.F.	5
	607-39.02	18" PIPE CULVERT (SIDE DRAIN)	L.F.	1002
	607-39.03	24" PIPE CULVERT (SIDE DRAIN)	L.F.	80
	611-01.04	MANHOLES, > 12' - 16' DEPTH	EACH	1
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	35
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	1713
	611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	6
	611-07.55	18IN ENDWALL (CROSS DRAIN) 4:1	EACH	4
	611-07.57	24IN ENDWALL (CROSS DRAIN) 3:1	EACH	3
	611-07.58	24IN ENDWALL (CROSS DRAIN) 4:1	EACH	3
	611-07.63	36IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-07.64	36IN ENDWALL (CROSS DRAIN) 4:1	EACH	1
	611-07.65	36IN ENDWALL (CROSS DRAIN) 6:1	EACH	2
	611-07.66	42IN ENDWALL (CROSS DRAIN) 3:1	EACH	2
	611-07.69	48IN ENDWALL (CROSS DRAIN) 3:1	EACH	3
	611-43.03	CATCH BASINS, TYPE 43, > 8' - 12' DEPTH	EACH	1
(19)	621-03.08	54" TEMPORARY DRAINAGE PIPE	L.F.	570
	701-02	CONCRETE DRIVEWAY	S.F.	12348
	705-02.10	GUARDRAIL TRANSITION 27IN TO 31IN	EACH	2
	705-06.01	W BEAM GR (TYPE 2) MASH TL3	L.F.	2646
	706-06.03	RADIUS RAIL	L.F.	292
	705-06.11	GR TERMINAL (IN-INLINE) MASH TL3	EACH	4
	705-06.20	TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH	7
	705-06.30	GR TERMINAL (ENERGY ABSORBING) MASH TL2	EACH	1
	706-01	GUARDRAIL REMOVED	L.F.	215
	706-10.26	ROUNDED END ELEMENT	EACH	4
	707-03.01	STOCK FENCE	L.F.	1150
	707-03.02	END, BRACED LINE, CORNER POST ASSEMBLY(STOCK FENCE)	EACH	7
(2)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	825
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	79
(2)(7)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	800
(2)(8)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	1958
	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	2759
	709-05.09	MACHINED RIP-RAP (CLASS C)	TON	817
	712-01	TRAFFIC CONTROL	LS	1
(28)	712-02.10	PORTABLE BARRIER RAIL (MASH TL-3)	L.F.	4721
(28)	712-02.12	PORTABLE BARRIER RAIL, REDUCED DEFLECTION (MASH TL-3)	L.F.	870
(9)	712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	12
(5)	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	790
	712-04.50	BARRIER RAIL DELINEATOR	EACH	159
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	249
(27)	712-06	SIGNS (CONSTRUCTION)	S.F.	939
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	1175
	712-09.04	REMOVABLE PAVEMENT MARKING (STOP LINE)	L.F.	225

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	2-1

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 62016-3206-14
	712-09.08	REMOVABLE PAVEMENT MARKING (6" LINE)	L.F.	4000
	713-01.01	CLASS A CONCRETE (FOUNDATION FOR SIGN SUPPORTS)	C.Y.	4
	713-01.02	STEEL BAR REINFORCEMENT(FOUNDATION FOR SIGN SUPPORTS)	LB.	772
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	1619
	713-11.05	SQUARE TUBE SIGN SUPPORT	LB.	66
	713-11.21	P POST SLIP BASE	EACH	31
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	98
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	277
	713-14	EXTRUDED ALUMINUM PANEL SIGNS	S.F.	96
	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	3
	716-01.21	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR) (1 COLOR)	EACH	210
	716-01.22	SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR)	EACH	60
(20)	716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	270
(10)	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	313
(10)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	579
(10)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	13
(10)	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	5
(10)	716-04.05	PLASTIC PAVEMENT MARKING (STRAIGHT ARROW)	EACH	3
(10)	716-04.14	PLASTIC PAVEMENT MARKING (LANE REDUCTION ARROW)	EACH	2
(11)	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	8
(13)	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	16
	717-01	MOBILIZATION	LS	1
(4)	740-06.01	GEOMEMBRANE	S.Y.	19859
(2)(12)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	5117
(24)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	70
(2)	740-11.02	TEMPORARY SEDIMENT TUBE 12IN	L.F.	17435
(2)	740-11.04	TEMPORARY SEDIMENT TUBE 20IN	L.F.	15515
(15)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	1396
(15)	801-02	SEEDING (WITHOUT MULCH)	UNIT	1396
(16)	801-03	WATER (SEEDING & SODDING)	M.G.	140
	803-01	SODDING (NEW SOD)	S.Y.	16981
(2)	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	155080
(22)	806-02.03	PROJECT MOWING	CYCL	6

FOOTNOTES

(1) INCLUDES 1642 C.Y. FOR TEMP. BERM AND 1363 C.Y. FOR RUNAROUND

(2) ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE CONSTRUCTION SPECIALIST OR TEAM LEAD. SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.

(3) INCLUDES 1887 TONS FOR MAINTENANCE OF TRAFFIC AND 1334 TONS FOR RUNAROUND.

(4) TO BE INSTALLED BENEATH RIPRAP AND SOD-LINED DITCHES WHERE A GEOMEMBRANE IS SPECIFIED. REFER TO SHEET 2B3 FOR DETAILS.

(5) ITEM TO BE USED AS DIRECTED BY CONSTRUCTION SPECIALIST OR TEAM LEAD.

(6) INCLUDES COST OF BEDDING MATERIAL & REMOVAL OF CONFLICTING DRAINAGE STRUCTURES WITHIN THE EXCAVATION LIMIT AS DIRECTED BY THE CONSTRUCTION SPECIALIST OR TEAM LEAD.

(7) TO BE USED FOR TEMPORARY CONSTRUCTION ENTRANCES\EXITS.

(8) INCLUDES 391 TONS FOR TEMPORARY SLOPE DRAIN & 1567 TONS FOR CULVERT PROTECTION.

(9) THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF AASHTO MASH FOR TEST LEVEL 3. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURING'S DRAWINGS.

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

(11) TO BE USED FOR TEMPORARY TRAFFIC CONTROL.

(12) INCLUDES 1377 SY FOR TEMPORARY CONSTRUCTION EXITS & 3740 SY FOR CULVERT PROTECTION.

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

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

(15) 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. ALL SOIL TESTING IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR AND ANY EXPENSE WILL BE INCLUDED AS INCIDENTAL TO THIS ITEM. PROVIDE THE RESULTS OF THIS TEST TO THE TEAM LEAD BEFORE PLACING SOIL AMENDMENTS. SEEDING FOR EACH AREA WILL BE PAID ONCE. SHOULD THE CONTRACTOR BE REQUIRED TO RESEED/OVERSEED TO ESTABLISH PROPER VEGETATION COVERAGE, IT WILL BE AT THE SOLE EXPENSE OF THE CONTRACTOR. THE TEAM LEAD OR TDOT ENVIRONMENTAL PERSONNEL WILL DETERMINE IF VEGETATION IS ESTABLISHED UP TO THE SATISFACTION OF ENVIRONMENTAL PERMITS AND TDOT REQUIREMENTS.

(16) INCLUDES 140 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.

(17) INCLUDES 1861 TONS FOR GEOTECH (SEE SHEET G-2 FOR DETAILS) & 297 TONS FOR CULVERT PROTECTION.

(18) INCLUDES 72 C.Y. FOR GEOTECH AND 99 C.Y. TO PLUG EXISTING PIPES.

(19) TO BE USED FOR TEMPORARY DIVERSION CULVERTS AS DIRECTED BY CONSTRUCTION SPECIALIST OR TEAM LEAD.

(20) ANY DAMAGE OCCURRING DURING REMOVAL SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE CONSTRUCTION SPECIALIST OR TEAM LEAD.

(21) INCLUDES 146 TONS FOR RUNAROUND.

(22) ITEM INCLUDES LITTER AND TRASH REMOVAL. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY BUT WILL BE INCLUDED IN THE COST OF ITEM NO. 806-02.03 PROJECT MOWING PER CYCLE.

(23) BID PRICE INCLUDES ALL SALVAGE VALUE OF MATERIAL. SEE TABULATED QUANTITIES SHEET NO. 2F1 FOR REMOVAL OF BUILDINGS AND OBSTRUCTIONS DESCRIPTION BLOCK.

(24) SEE SHEET G-2 FOR DETAILS.

(25) INCLUDES THE COST OF REMOVING DEBRIS AND SWEEPING SHOULDERS PRIOR TO WORK. SEE SHEET NO. 2C, FINAL PAVEMENT MARKING NOTES FOR MORE INFORMATION.

(26) INCLUDES THE COST OF GUARDRAIL TERMINAL EARTH PADS.

(27) SEE SHEET T2 FOR SIGN TABULATED QUANTITIES. THE CONSTRUCTION SIGNING IS TO BE A MINIMUM. OTHER SIGNS MAY BE REQUIRED AS DIRECTED BY THE TDOT MANAGER.

(28) ALL COSTS ASSOCIATED WITH INSTALLING, STORING, AND RE-INSTALLING ALL BARRIER RAIL DEVICES DURING AND BETWEEN DIFFERENT TRAFFIC CONTROL PHASES WILL BE INCLUDED IN THE BID PRICE OF THIS ITEM. DURING THE TIME BETWEEN DIFFERENT TRAFFIC CONTROL PHASES, THE CONTRACTOR SHALL STORE ALL BARRIER RAIL DEVICES IN A PROPER LOCATION THAT WILL NOT INTERFERE WITH THE TRAFFIC FLOW AND CLEAR ZONES OF THE ROADWAY. ALL WORK MUST MEET THE FULL APPROVAL OF THE TDOT ENGINEER. THE MAXIMUM QUANTITY USED AT ANY ONE POINT, UP TO THE QUANTITY LISTED ON SHEET 2, WILL BE THE PAY QUANTITY FOR THIS ITEM. ANY ADDITIONAL REQUIRED QUANTITIES FOR THIS ITEM WILL BE INCLUDED IN THE CONTRACTORS BID UNDER ITEM 712-01 TRAFFIC CONTROL. NO ADJUSTMENTS WILL BE MADE FOR OVERRUNS OF THIS ITEM.

(29) THIS ITEM IS TO BE USED BETWEEN STATE ROUTE 322 STATIONS 600+75 TO 602+25 AND PRESSLEY ROAD STATIONS 80+00 TO 81+75, REMOVING FILL MATERIAL TO ORIGINAL GROUND SURFACE OR AS OTHERWISE DIRECTED BY THE ENGINEER FOR THE STABILIZATION OF THE SUBGRADE. A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION SHALL BE PRESENT AFTER UNDERCUTTING TO ENSURE SUITABLE MATERIAL IS EXPOSED BEFORE PLACEMENT OF CLAY.

(30) INCLUDES THE COST OF 38' PROPOSED PIPE INSTALLATION BY JACK AND BORE METHOD.

(31) TO BE USED TO FILL PIPES THAT ARE SHOWN TO BE ABANDONED IN PLACE.

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ESTIMATED ROADWAY QUANTITIES

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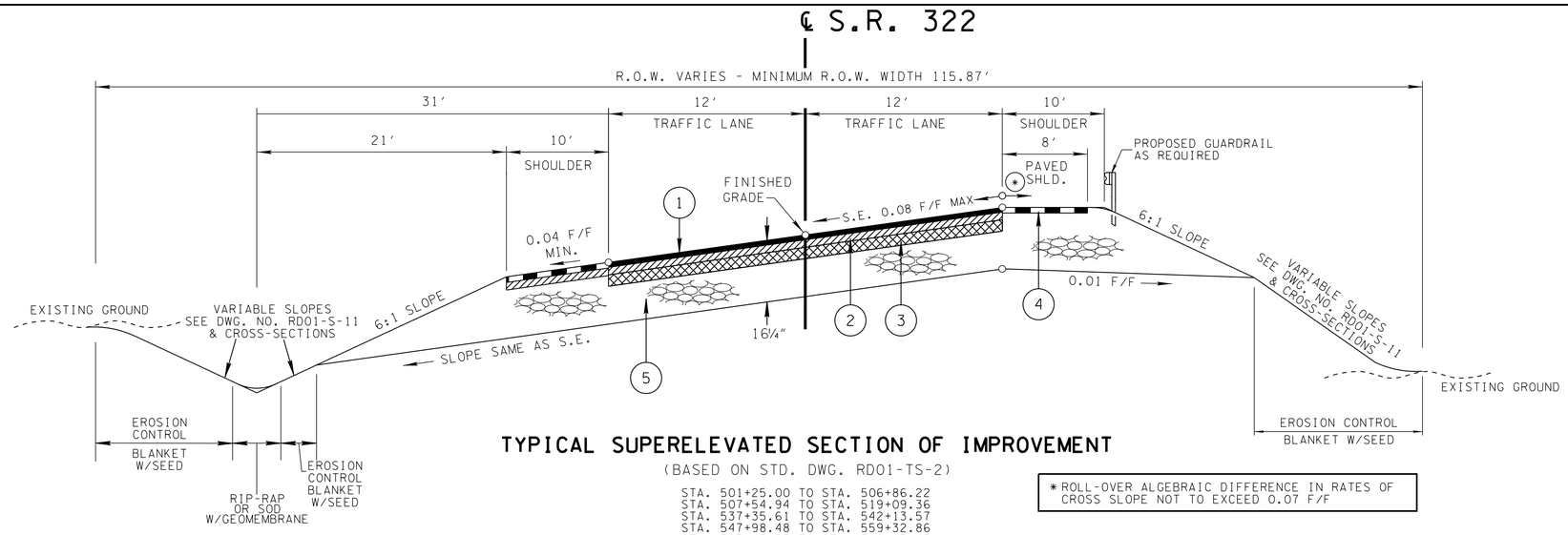
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	2
PS&E	2026	R-STP-322(15)	2B



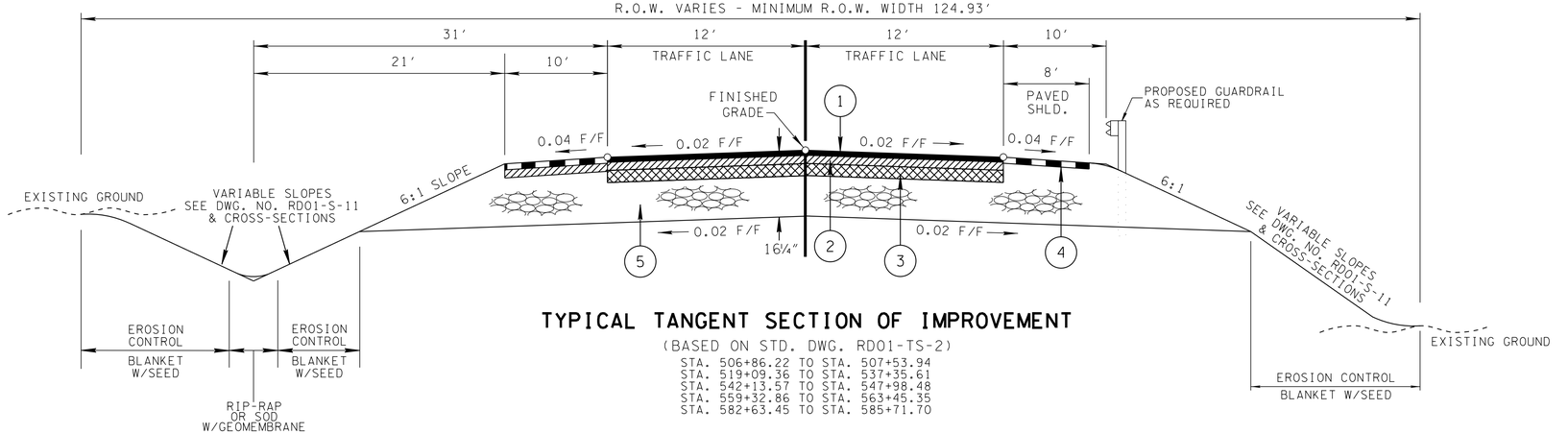
TYPICAL SUPERELEVATED SECTION OF IMPROVEMENT

(BASED ON STD. DWG. RD01-TS-2)

STA. 501+25.00 TO STA. 506+86.22
STA. 507+54.94 TO STA. 519+09.36
STA. 537+35.61 TO STA. 542+13.57
STA. 547+98.48 TO STA. 559+32.86
STA. 563+45.35 TO STA. 582+63.45
STA. 585+71.70 TO STA. 589+50.00

* ROLL-OVER ALGEBRAIC DIFFERENCE IN RATES OF CROSS SLOPE NOT TO EXCEED 0.07 F/F

PAVEMENT AND SHOULDER TRANSITION				
ROADWAY	TYPE	BEGIN STA	END STA	LENGTH
SR 322	PVMT/SHLD	501+25.00	502+75.00	150.00



TYPICAL TANGENT SECTION OF IMPROVEMENT

(BASED ON STD. DWG. RD01-TS-2)

STA. 506+86.22 TO STA. 507+53.94
STA. 519+09.36 TO STA. 537+35.61
STA. 542+13.57 TO STA. 547+98.48
STA. 559+32.86 TO STA. 563+45.35
STA. 582+63.45 TO STA. 585+71.70

PROPOSED PAVEMENT SCHEDULE

① ASPHALTIC CONCRETE SURFACE (HOT MIX) @ 1¼"+ THICK (APPROX. 132.5 LBS./SQ.YD.)

411-01.10 ACS MIX (PG64-22) GRADING D

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

② BITUMINOUS PLANT MIX BASE (HOT MIX) @ 2"+ THICK (APPROX. 226.0 LBS./SQ.YD.)

307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2

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

③ BITUMINOUS PLANT MIX BASE (HOT MIX) @ 3"+ THICK (APPROX. 345 LBS./SQ.YD.)

307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A

402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (RATE 0.30-0.35 GAL./SQ.YD.)

402-02 AGGREGATE FOR COVER MATERIAL (PC)

④ ASPHALTIC CONCRETE SURFACE (HOT MIX) @ 1½"+ THICK (APPROX. 159.0 LBS./SQ.YD.)

411-01.07 ASPHALT CONCRETE MIX (PG64-22) GRADING E (SHOULDER)

402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (RATE 0.30-0.35 GAL./SQ.YD.)

402-02 AGGREGATE FOR COVER MATERIAL (PC)

⑤ MINERAL AGGREGATE BASE @ 10"+ THICK (ROADWAY & FULL DEPTH SHOULDERS)

303-01 MINERAL AGGREGATE, TYPE "A" BASE, GRADING D

⑥ ASPHALTIC CONCRETE SURFACE (HOT MIX) @ 1¼"+ THICK (APPROX. 132.5 LBS./SQ.YD.)

411-02.10 ACS MIX (PG70-22) GRADING D

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

⑦ BITUMINOUS PLANT MIX BASE (HOT MIX) @ 2"+ THICK (APPROX. 226 LBS./SQ.YD.)

307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2

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

⑧ BITUMINOUS PLANT MIX BASE (HOT MIX) @ 4"+ THICK (APPROX. 460 LBS./SQ.YD.)

307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A

402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (RATE 0.30-0.35 GAL./SQ.YD.)

402-02 AGGREGATE FOR COVER MATERIAL (PC)

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TYPICAL SECTIONS AND PAVEMENT SCHEDULE

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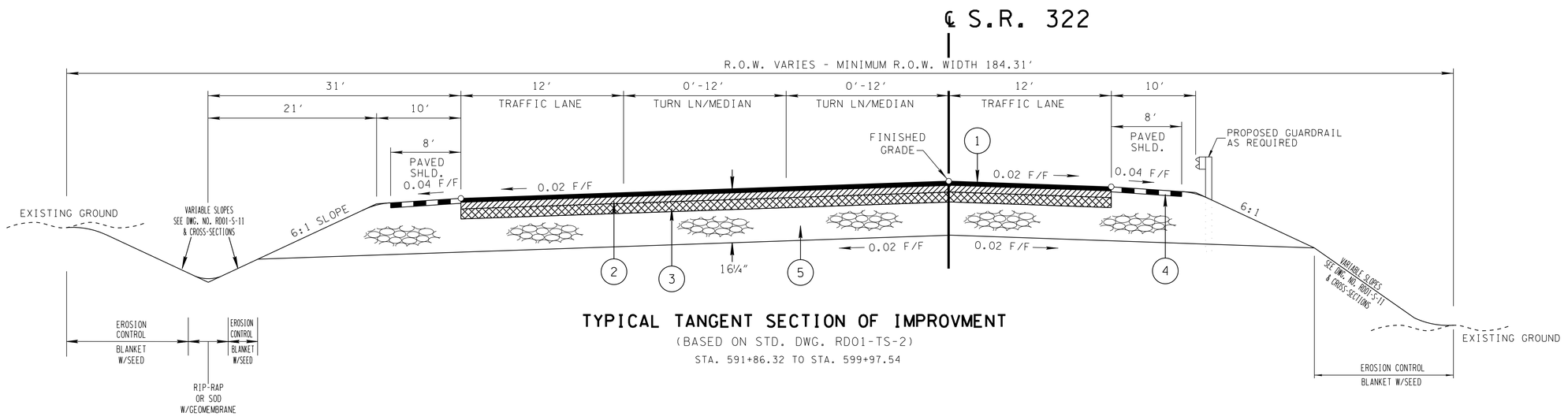
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	2A
PS&E	2026	R-STP-322(15)	2B1

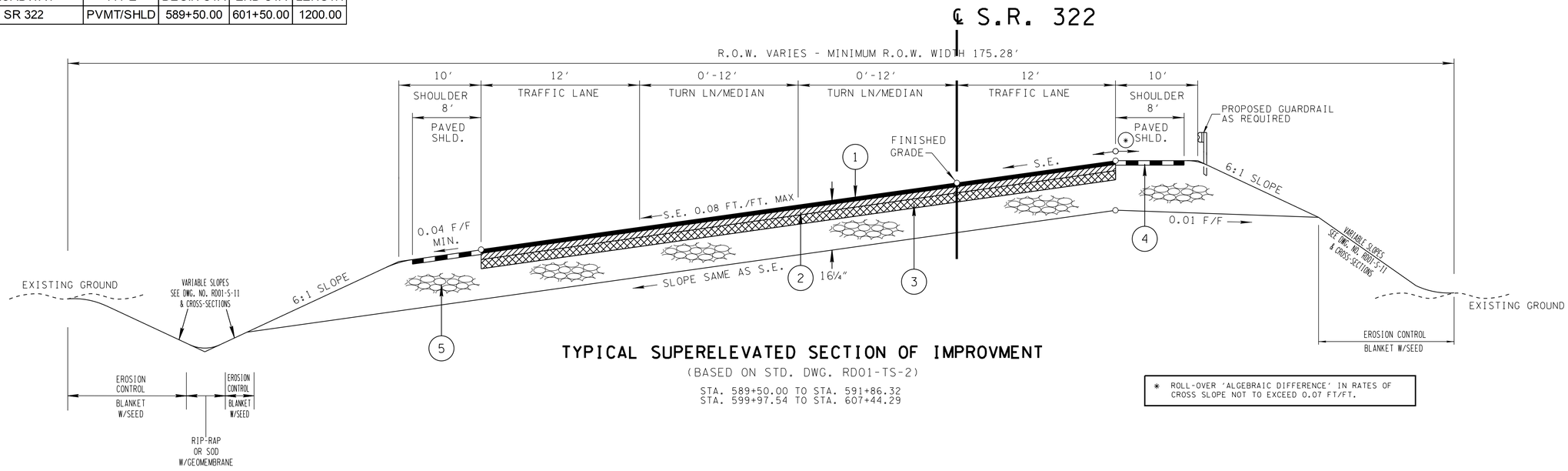


TYPICAL TANGENT SECTION OF IMPROVMENT

(BASED ON STD. DWG. RD01-TS-2)

STA. 591+86.32 TO STA. 599+97.54

PAVEMENT AND SHOULDER TRANSITION				
ROADWAY	TYPE	BEGIN STA	END STA	LENGTH
SR 322	PVMT/SHLD	589+50.00	601+50.00	1200.00



TYPICAL SUPERELEVATED SECTION OF IMPROVMENT

(BASED ON STD. DWG. RD01-TS-2)

STA. 589+50.00 TO STA. 591+86.32
STA. 599+97.54 TO STA. 607+44.29

* ROLL-OVER 'ALGEBRAIC DIFFERENCE' IN RATES OF CROSS SLOPE NOT TO EXCEED 0.07 FT/FT.

SEE SHEET 2B FOR PAVEMENT SCHEDULE.

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TYPICAL SECTIONS

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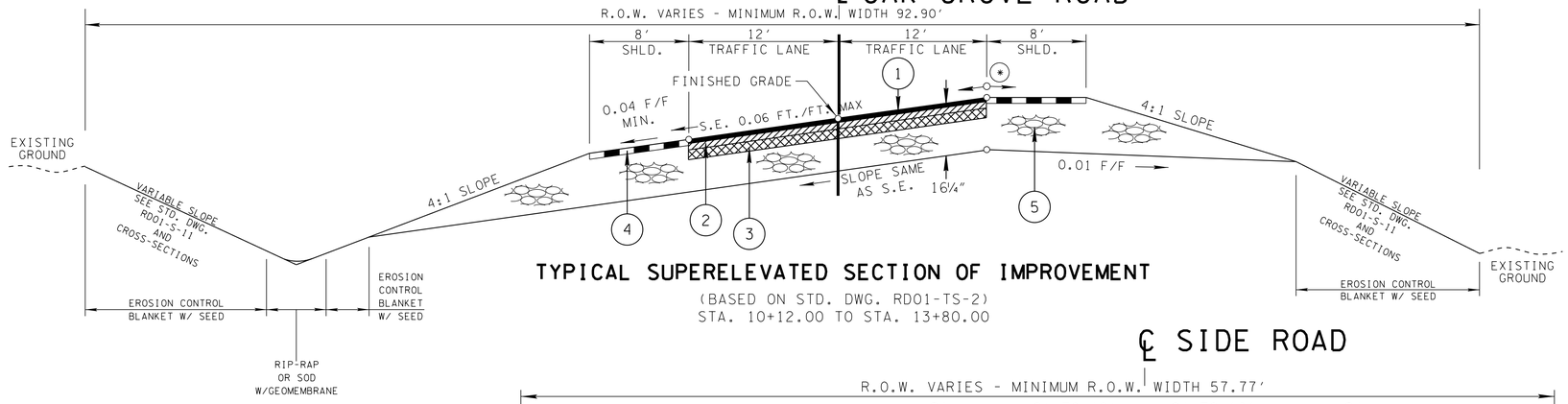
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	2B
PS&E	2026	R-STP-322(15)	2B2

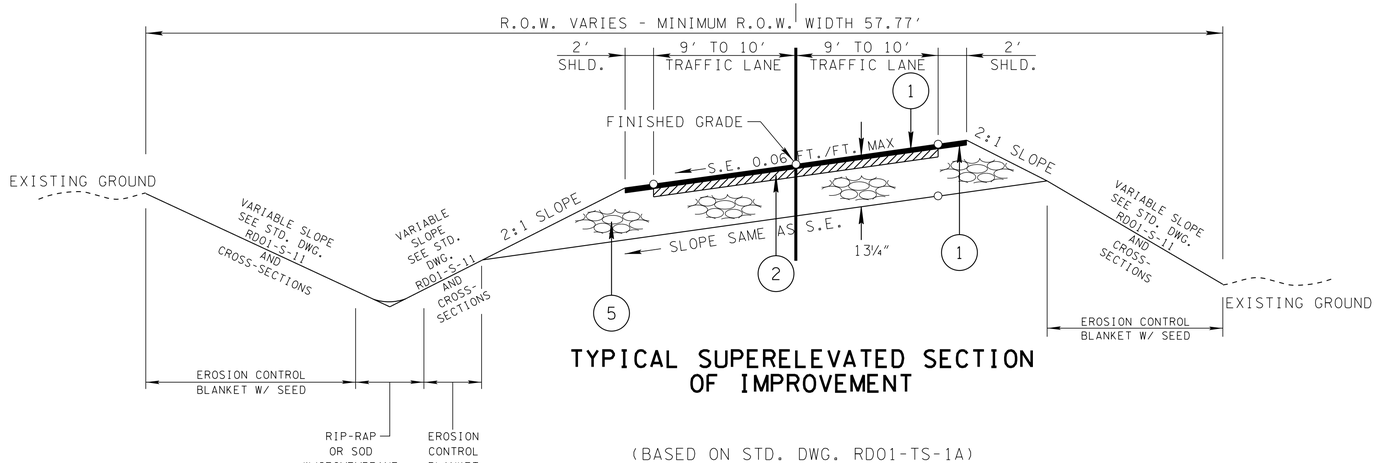
℄ OAK GROVE ROAD



TYPICAL SUPERELEVATED SECTION OF IMPROVEMENT

(BASED ON STD. DWG. RDO1-TS-2)
STA. 10+12.00 TO STA. 13+80.00

℄ SIDE ROAD

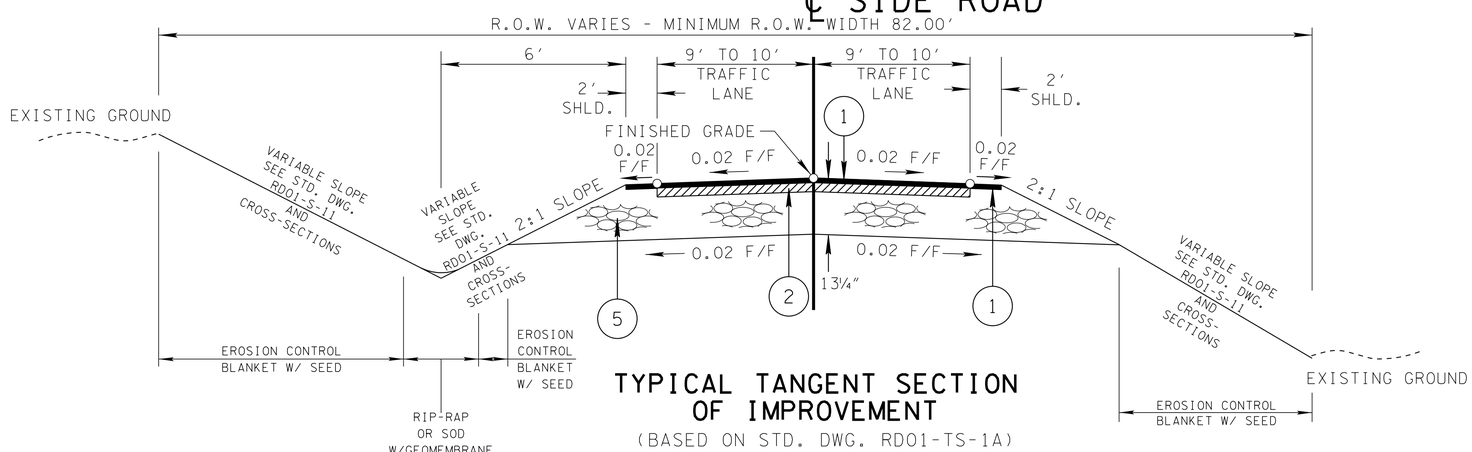


TYPICAL SUPERELEVATED SECTION OF IMPROVEMENT

(BASED ON STD. DWG. RDO1-TS-1A)
STA. 20+35.00 TO STA. 21+64.63 (W. HENDRIX LOOP RD.)
STA. 24+95.41 TO STA. 25+88.00 (W. HENDRIX LOOP RD.)
STA. 30+12.00 TO STA. 34+00.00 (CANDI LN.)
STA. 60+12.00 TO STA. 61+06.25 (BRAKEBILL RD.)
STA. 64+74.20 TO STA. 69+40.00 (BRAKEBILL RD.)

PAVEMENT AND SHOULDER TRANSITION				
ROADWAY	TYPE	BEGIN STA	END STA	LENGTH
OAK GROVE RD	PVMT/SHLD	13+30.00	13+80.00	50.00
HENDRIX LOOP	PVMT/SHLD	20+35.00	20+85.00	50.00
HENDRIX LOOP	PVMT/SHLD	43+00.00	43+50.00	50.00
CANDI LN	SHLD	33+50.00	34+00.00	50.00
BRAKEBILL RD	PVMT/SHLD	68+90.00	69+40.00	50.00
OLD SR 322	SHLD	70+32.00	70+82.00	50.00

℄ SIDE ROAD



TYPICAL TANGENT SECTION OF IMPROVEMENT

(BASED ON STD. DWG. RDO1-TS-1A)
STA. 21+64.63 TO STA. 24+95.41 (W. HENDRIX LOOP)
STA. 43+00.00 TO STA. 48+88.00 (E. HENDRIX LOOP)
STA. 61+06.25 TO STA. 64+74.20 (BRAKEBILL RD.)
STA. 70+32.00 TO STA. 74+88.00 (OLD SR. 322)

SEE SHEET 2B FOR PAVEMENT SCHEDULE.

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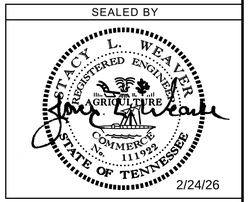

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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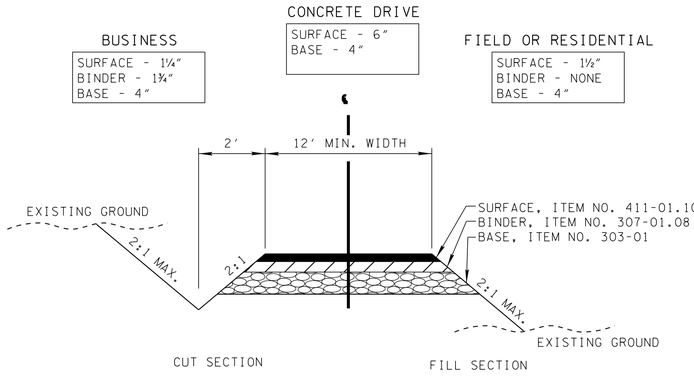
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	2C
PS&E	2026	R-STP-322(15)	2B3



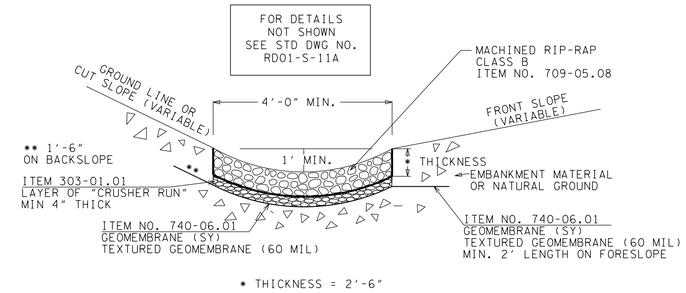
TYPICAL SECTION

PRIVATE DRIVE TO BUSINESS,
FIELD, OR RESIDENTIAL PROPERTY

NOTE: DITCH TO BE CONSTRUCTED AS DIRECTED BY THE ENGINEER

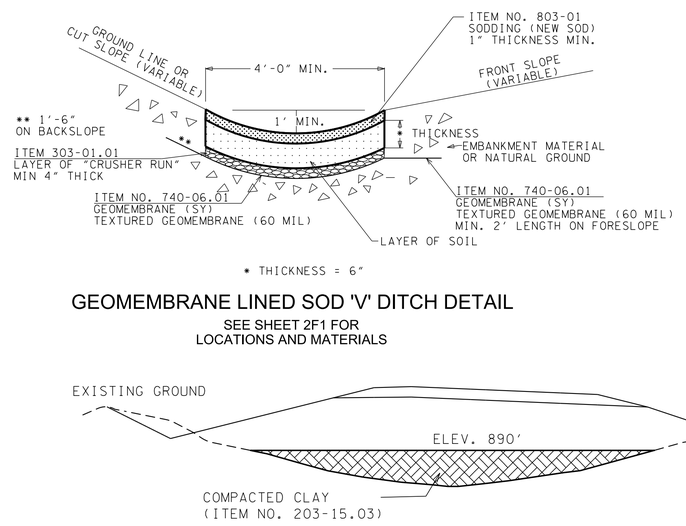
NOTE: WHERE SURFACE OF EXISTING DRIVE IS CONCRETE. SUBSTITUTE 6 INCHES OF CONCRETE FOR BASE AND SURFACE.

PAVEMENT AND SHOULDER TRANSITION				
ROADWAY	TYPE	BEGIN STA	END STA	LENGTH
LAKESIDE RD	PVMT/SHLD	50+85.00	51+35.00	50.00
LAKESIDE RD	PVMT/SHLD	58+90.00	59+40.00	50.00
PRESSLEY RD	PVMT/SHLD	86+50.00	87+00.00	50.00



GEOMEMBRANE LINED RIP-RAP 'V' DITCH DETAIL

SEE SHEET 2F1 FOR
LOCATIONS AND MATERIALS

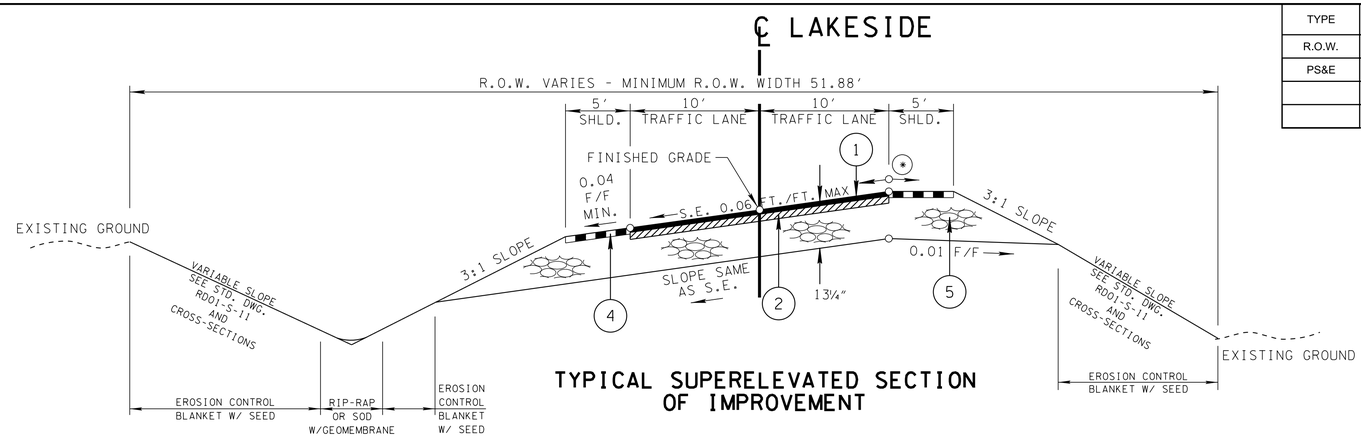


GEOMEMBRANE LINED SOD 'V' DITCH DETAIL

SEE SHEET 2F1 FOR
LOCATIONS AND MATERIALS

SNK-10 TREATMENT DETAIL

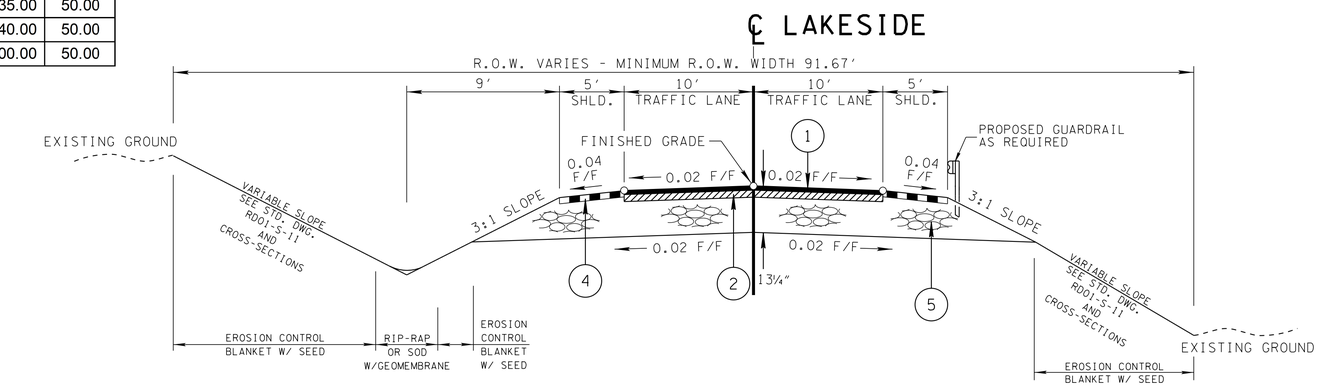
STA. 84+75.00 TO STA. 85+25.00



TYPICAL SUPERELEVATED SECTION OF IMPROVEMENT

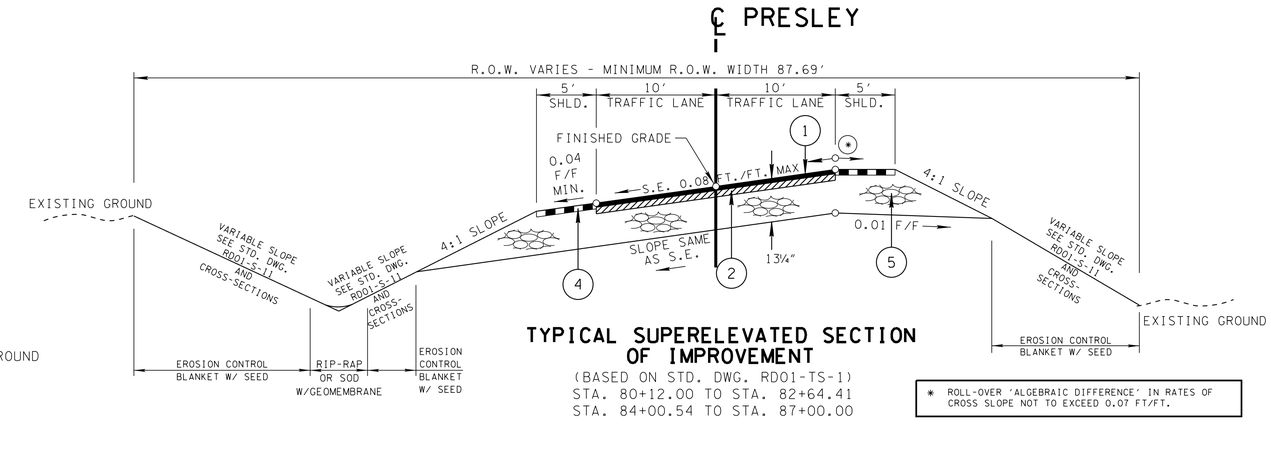
(BASED ON STD. DWG. RD01-TS-1)
STA. 50+85.00 TO STA. 51+43.00
STA. 51+76.90 TO STA. 55+57.78
STA. 56+14.23 TO STA. 59+40.00

* ROLL-OVER 'ALGEBRAIC DIFFERENCE' IN RATES OF CROSS SLOPE NOT TO EXCEED 0.07 FT/FT.



TYPICAL TANGENT SECTION OF IMPROVEMENT

(BASED ON STD. DWG. RD01-TS-1)
STA. 51+43.00 TO STA. 51+76.90
STA. 55+77.78 TO STA. 56+14.23



TYPICAL SUPERELEVATED SECTION OF IMPROVEMENT

(BASED ON STD. DWG. RD01-TS-1)
STA. 80+12.00 TO STA. 82+64.41
STA. 84+00.54 TO STA. 87+00.00

* ROLL-OVER 'ALGEBRAIC DIFFERENCE' IN RATES OF CROSS SLOPE NOT TO EXCEED 0.07 FT/FT.

SEE SHEET 2B FOR PAVEMENT SCHEDULE.

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TYPICAL SECTIONS AND DETAILS

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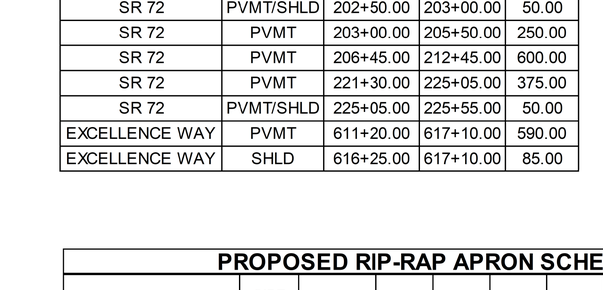
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	2D
PS&E	2026	R-STP-322(15)	2B4

PAVEMENT AND SHOULDER TRANSITION				
ROADWAY	TYPE	BEGIN STA	END STA	LENGTH
SR 72	PVMT/SHLD	202+50.00	203+00.00	50.00
SR 72	PVMT	203+00.00	205+50.00	250.00
SR 72	PVMT	206+45.00	212+45.00	600.00
SR 72	PVMT	221+30.00	225+05.00	375.00
SR 72	PVMT/SHLD	225+05.00	225+55.00	50.00
EXCELLENCE WAY	PVMT	611+20.00	617+10.00	590.00
EXCELLENCE WAY	SHLD	616+25.00	617+10.00	85.00

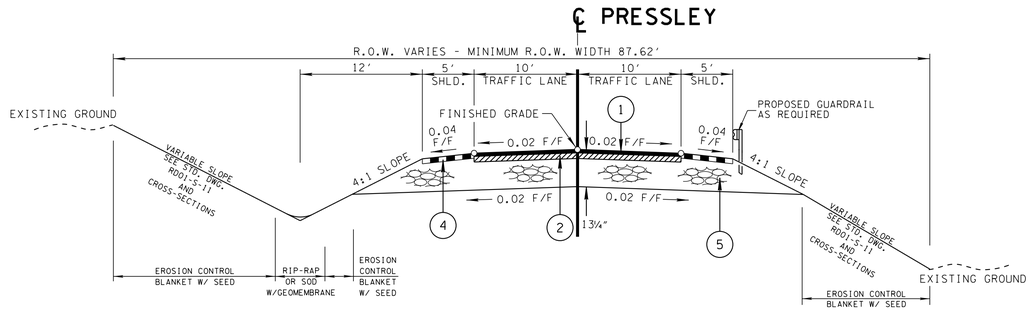
PROPOSED RIP-RAP APRON SCHEDULE

STATION		SIDE		ENDWALL TYPE	D_O (IN)	$3D_O$ (FT)	L_A (FT)	$D_O + L_A$ (FT)	d (FT)	MACHINED RIP-RAP CLASS	ITEM NO.
		LT.	RT.								
SR 322	523+40.00	X		PEW	60	15	58	61	3.5	C	709-05.09
SR 322	523+40.00		X	PEW	60	15	20.6	40	3.5	C	709-05.09
SR 322	527+41.00	X		U	48	12	30	34	3.5	C	709-05.09
SR 322	537+08.26	X		U	48	12	40	44	2.5	B	709-05.08
SR 322	544+80.89	X		U	30	7.5	12	14.5	2.5	B	709-05.08
SR 322	563+54.19	X		U	24	6	15	13	2.5	B	709-05.08
SR 322	597+50.00		X	U	18	4.5	20	22	3.5	C	709-05.09
SR 322	606+92.51		X	U	36	9	7	10	3.5	C	709-05.09
PRESSLEY	84+80.00		X	U	18	4.5	6	7	2.5	B	709-05.08

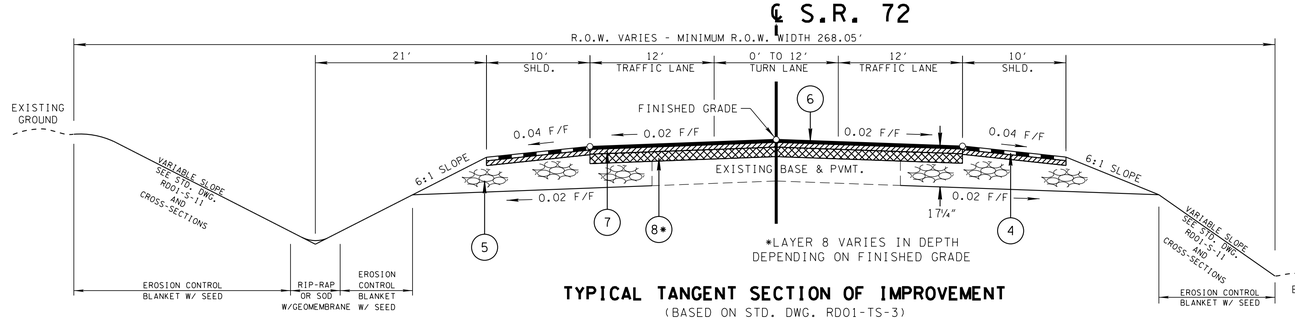


RIP-RAP APRON AT PIPE OUTLET
PEW TYPE

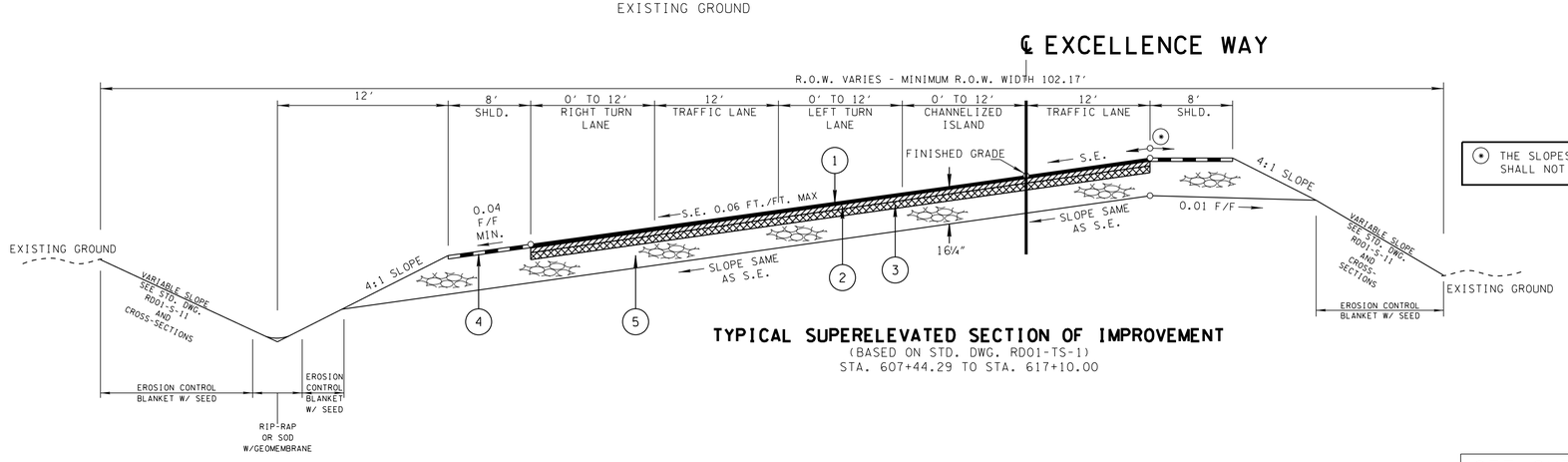
RIP-RAP APRON AT PIPE OUTLET
U TYPE



TYPICAL TANGENT SECTION OF IMPROVEMENT
(BASED ON STD. DWG. RD01-TS-1)
STA. 82+64.41 TO STA. 84+00.54



TYPICAL TANGENT SECTION OF IMPROVEMENT
(BASED ON STD. DWG. RD01-TS-3)
STA. 200+50.00 TO STA. 225+55.00



TYPICAL SUPERELEVATED SECTION OF IMPROVEMENT
(BASED ON STD. DWG. RD01-TS-1)
STA. 607+44.29 TO STA. 617+10.00

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

SEE SHEET 2B FOR PAVEMENT SCHEDULE.

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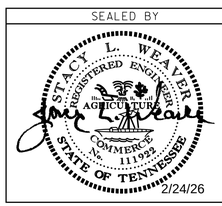

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND DETAILS

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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.

(4) ARCHAEOLOGICAL SITE ST. PAUL'S LUTHERAN CHURCH CEMETARY MUST BE AVOIDED AS A SOURCE OF FILL OR HEAVY MACHINERY STAGING AREA. EARTH FILL WILL BE REQUIRED FROM AREAS OUTSIDE THE PROPOSED RIGHT-OF-WAY. CERTIFICATION MUST BE OBTAINED IN ACCORDANCE WITH SUBSECTION 107.06 OF THE STANDARD SPECIFICATIONS.

SEEDING AND SODDING

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

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

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

GUARDRAIL

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

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

DRAINAGE

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

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

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

(5) WHERE A CULVERT (PIPE, SLAB OR BOX) IS MOVED TO A NEW LOCATION OTHER THAN THAT SHOWN ON THE PLANS, INCREASING OR DECREASING THE AMOUNT OF CULVERT EXCAVATION WILL NOT RESULT IN AN INCREASE OR DECREASE IN THE AMOUNT OF PAYMENT THAT WILL BE MADE DUE TO SUCH CHANGE.

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

(7) ALL EXISTING PIPES AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER THAT ARE TO BE LEFT IN PLACE AND ABANDONED MUST BE BACKFILLED AND PLUGGED. ALL COST FOR THIS WORK SHALL BE INCLUDED IN ITEM NO. 204-08.01, BACKFILL MATERIAL (FLOWABLE FILL), C.Y.

FENCING

(3) THE CONTRACTOR SHALL GIVE THE AFFECTED PROPERTY OWNERS A TWO-WEEK NOTICE PRIOR TO CUTTING FENCES.

MISCELLANEOUS

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

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

ROAD CLOSURE

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

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

(1) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH 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 (4" LINE), L.M.

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

FINAL PAVEMENT MARKING

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

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

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

(8) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.02, ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

(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

(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.

PAVEMENT

PAVING

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

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

GRADED SOLID ROCK

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

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

SIGNING

(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.

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	2C

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2/24/26

STATE OF TENNESSEE
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GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	2C1

GENERAL NOTES CONT'D

SIGNING

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

(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 OPERATIONS DIVISION, SIGNING SECTION (TDOT.TrafficOps.Sign-Reviews@tn.gov) FOR REVIEW. ONE PDF SET OF THE LAYOUT DRAWINGS SHALL BE SENT TO THE REGIONAL SIGN DESIGNER FOR REVIEW.

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

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

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

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

(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.

SIGNALIZATION

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

(6) SALVAGEABLE EQUIPMENT SHALL BECOME THE PROPERTY MONROE COUNTY AND SHALL BE STOCKPILED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICKUP BY MONROE COUNTY.

(7) IF RESURFACING IS INCLUDED IN THE PROJECT, SIGNAL DETECTION LOOPS SHALL BE INSTALLED BEFORE THE FINAL SURFACE IS APPLIED.

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

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

(10) THE CONTRACTOR SHALL CONTACT THE COUNTY A MINIMUM OF THIRTY (30) DAYS PRIOR TO ACTIVATION OF THE SIGNAL TO OBTAIN THE INITIAL SIGNAL TIMINGS.

(11) THE PROJECT ENGINEER SHALL NOTIFY THE LOCAL GOVERNMENTAL AGENCY RESPONSIBLE FOR TRAFFIC CONTROL MAINTENANCE AT LEAST ONE DAY IN ADVANCE OF THE COLD PLANNING ACTIVITY AT SIGNALIZED INTERSECTIONS WHERE DETECTOR LOOPS ARE ON THE PAVEMENT. THE MAINTAINING AGENCY WILL THEN BE RESPONSIBLE FOR DISCONNECTING THE LOOP DETECTORS AND MAKING ANY NECESSARY TIMING ADJUSTMENTS IN THE SIGNAL CONTROLLER PRIOR TO THE CONSTRUCTION.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

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

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

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

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

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

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

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

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

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

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2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	2D

SPECIAL NOTES

GRADING

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

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

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

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

SIGNING

(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 LAYOUT DRAWINGS SHALL BE SENT TO THE REGION 1 TRAFFIC DESIGN OFFICE (LOGAN.MADDEN@TN.GOV), FOR REVIEW.

PAVEMENT

RESURFACING

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

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

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

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

SIGNALIZATION

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

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
111923
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	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.

PROJECT COMMITMENTS

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

SCOPE OF WORK

(1) THIS PROJECT INCLUDES WIDENING EXISTING ROUTE TO 2 12' TRAVEL LANES AND 10' SHOULDERS ON PRESENT ALIGNMENT AND ON NEW ALIGNMENT. GEOMETRIC IMPROVEMENTS AT THE INTERSECTION OF SR-322 AND SR-72 AT EXCELLENCE WAY AND INTERSECTION IMPROVEMENTS AT SR-322 AND OAK GROVE ROAD.

(2) THIS PROJECT INCLUDES THE APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL DEVICES, PAVEMENT MARKINGS, INSTALLATION OF TRAFFIC CONTROL DEVICES, AND OTHER DESIGN FEATURES INDICATED ON THE ROADWAY PLANS OR AS DIRECTED BY THE TDOT. OPERATIONS ENGINEER.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	2F

ESTIMATED GRADING QUANTITIES

DESCRIPTION	UNADJUSTED VOLUMES (CY)		ADJUSTED VOLUMES (CY)
	EXC.	EMB.	EXC.
MAINLINE	192293	89225	182679
SIDE ROADS	22162	21680	21054
PVT. DRIVES, BUSINESS AND FIELD ENTRANCES	9167	5495	8709
INDEPENDENT DITCHES	0	0	
TEMPORARY CONSTRUCTION EXITS	112	0	107
OTHER (BRIDGE EXCAVATION, PAVEMENT, ETC...)	0	0	
TOPSOIL (EMB.)	5989		
TOPSOIL (EXC.)	9644		
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	229723	116400	229723	214090	203386

BALANCE SUMMARY

SHRINK = 5 % SWELL = 5 %

EXC.		EMB.
203386	VS.	-116400
AVAILABLE	=	86986
WASTE MATERIAL	=	91336

NOTE: THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SATISFACTORY DISPOSAL OF 91336 C.Y. OF EXCESS MATERIAL.

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.
1087220	9644	5989	15633	20134	15633	4501	0

NOTE: PROPOSED SLOPE AREA INCLUDES AREA TO BE SCARIFIED.

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE		STATIONS		GUARDRAIL								TERMINAL ANCHORS			REMARKS
		LT	RT	FROM	TO	THRIE BEAM BRIDGE TRAN. MASH TL-3 (20.65') 705-06.25 EACH	METAL BEAM GUARD FENCE 705-01.04 (L.F.)	GUARDRAIL TRANSITION 27 IN TO 31 IN 705-02.10 EACH	W BEAM GR (TYPE 2) MASH TL3 705-06.01 (L.F.)	RADIUS RAIL 706-06.03 (L.F.)	MICHIGAN END SHOE 706-10.80 (EACH)	ROUND END ELEMENT 706-10.26 (EACH)	GUARDRAIL REMOVED 706-01 (L.F.)	IN-LINE MASH TL3 705-06.11 (EACH)	TYPE 38 MASH TL3 (46.875') 705-06.20 (EACH)	TYPE 21 MASH TL2 (21.875') 705-06.30 (EACH)	
4B	S.R. 322		X	501+28.00	503+41.85			1	153				128		1		TIE TO EX. GUARDRAIL PRIOR TO BRIDGE
4B	S.R. 322	X		501+28.00	501+96.24			1	68				87				TIE TO EX. GUARDRAIL PRIOR TO BRIDGE
4B	S.R. 322 (DRIVEWAY)	X		501+96.24	502+08.73					20		1		1			
4B/5B	S.R. 322		X	521+11.83	524+51.15				242						2		
5B	S.R. 322	X		522+32.35	526+27.33				298						2		
8B	HENDRIX LOOP (DRIVEWAY)	X		47+10.40	47+26.58				15	26		1		1			
8B	HENDRIX LOOP	X		47+26.58	48+64.70				108	37							
8B	S.R. 322	X		550+53.54	555+22.18				450	37							
8B	S.R. 322 (DRIVEWAY)	X		555+22.18	555+38.45				15	26		1		1			
12B/13B	S.R. 322		X	593+38.83	602+07.17				772	56					1		
13B/16B	PRESSLEY ROAD		X	80+42.11	83+57.77				245	56						1	
12B	S.R. 322	X		595+32.60	598+61.18				280						1		
12B	S.R. 322 (DRIVEWAY)	X		598+61.18	598+84.41					34		1		1			
TOTALS								2	2646	292		4	215	4	7	1	

PAVEMENT QUANTITIES

LOCATION (ROADWAY)	TYPE - GRADE - PAY ITEM (TON)											CONCRETE (S.F.)
	MINERAL AGG.	BITUMINOUS PLANT MIX BASE (HOT MIX)				PRIME COAT		TACK COAT	ASPHALTIC CONCRETE SURFACE (HOT MIX)			CONCRETE PAVEMENT 6"
	D	A	A	B-M2	B-M2				D	E	D	
	303-01	307-01.01	307-02.01	307-02.08	307-01.08	402-01	402-02	403-01	411-01.10	411-01.07	411-02.10	701-02
PROP. SR-322	40460	5766			4094	77	271	29	2215	1710		
OAK GROVE	1400	196			129	3	10	1	76	58		
HENDRIX LOOP (W)	1117				145	3		1	86			
CANDI LANE	788				104	2		1	62			
HENDRIX LOOP (E)	1180				150	3		1	89			
LAKESIDE (SW)	1166				139	3	4	1	82	50		
LAKESIDE (NE)	1004				111	3	3	1	65	40		
OLD SR-322	1021				133	3		1	79			
BRAKEBILL ROAD	1845				235	4		2	139			
PRESSLEY ROAD	1815				208	4	5	2	122	73		
EXCELLENCE WAY	4629				686	11	38	5	383	148		
SR-72	9779		2343	1152		20	70	8		318	747	
PRIVATE DRIVE AND BUS.ENT.	2166				81				577			12348
TOTALS	68370	5962	2343	1152	6215	136	401	53	3975	2397	747	12348

RIGHT OF WAY MARKERS

SHEET NO.	Item #: 708-02.01 QUANTITIES			
	"A"	"B"	"C"	TOTALS
4	3		1	4
5	8		1	9
6	8		2	10
7	10		2	12
8	6		2	8
9	3			3
10	6		6	12
11	5		3	8
12	4	2		6
13	1		3	4
14	3			3
TOTALS	57		20	79

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STACY L. WEAVER REGISTERED ENGINEER STATE OF TENNESSEE 111927

2/24/26

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	2F1

CROSS DRAIN \ MEDIAN DRAIN ENDWALLS

LOCATION	STATION	OFFSET (FT.)	SKEW	CODE	TYPE	STANDARD DRAWING NO.	RIP-RAP CLASS "B" 709-05.08 (TON)	RIP-RAP CLASS "C" 709-05.09 (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)	48" IN. 4:1 07.70 (EACH)	48" IN. 6:1 07.71 (EACH)
S.R. 322	523+40.00	-43.2	50º		PEW	D-PEW-1		425	15.5	783																			
S.R. 322	523+40.00	40.5	50º		PEW	D-PEW-1		159	15.5	783																			
S.R. 322	527+41.00	-53.2	73º		U	D-PE-48A		157																			1		
S.R. 322	537+08.26	-43.1	88º		U	D-PE-48A	181																				1		
S.R. 322	537+08.26	37.4	88º		U	D-PE-48A																					1		
S.R. 322	544+80.89	-69.7	89º		U	D-PE-42A	22																		1				
S.R. 322	544+80.89	37.0	89º		U	D-PE-42A																			1				
S.R. 322	563+54.19	-50.5	82º		U	D-PE-24A	26							1															
S.R. 322	563+54.19	43.6	82º		U	D-PE-24A									1														
S.R. 322	597+50.00	-95.5	90º		U	D-PE-18A					1																		
S.R. 322	597+50.00	100.8	90º		U	D-PE-18A		61			1																		
S.R. 322	606+92.51	-84.6	90º		U	D-PE-36A																		1					
S.R. 322	606+92.51	68.3	90º		U	D-PE-36A		15																1					
EXCELLENCE WAY	608+07.13	-114.9	90º		U	D-PE-18A						1																	
EXCELLENCE WAY	608+07.13	49.1	90º		U	D-PE-18A						1																	
EXCELLENCE WAY	614+45.10	45.2	90º		PEW	D-PEW-1			4.0	147																			
EXCELLENCE WAY	614+52.67	-44.3	90º		U	D-PE-36A																1							
EXCELLENCE WAY	614+52.67	27.0	90º		U	D-PE-36A															1								
OAK GROVE RD.	10+45.33	-37.3	82º		U	D-PE-24A									1														
OAK GROVE RD.	10+45.33	37.3	82º		U	D-PE-24A									1														
CANDI LANE	30+45.05	-17.6	90º		U	D-PE-24A								1															
CANDI LANE	30+45.05	16.9	90º		U	D-PE-24A								1															
LAKESIDE RD.	54+01.94	-34.4	76º		U	D-PE-18A					1																		
LAKESIDE RD.	54+01.94	22.1	76º		U	D-PE-18A					1																		
BRAKEBILL RD.	65+00.00	-14.0	90º		U	D-PE-18A					1																		
BRAKEBILL RD.	65+00.00	15.4	90º		U	D-PE-18A					1																		
PRESSLEY RD.	84+80.00	-35.8	90º		U	D-PE-18A						1																	
PRESSLEY RD.	84+80.00	36.5	90º		U	D-PE-18A	6					1																	
TOTALS							235	817	35.0	1713	6	4		3	3					1	1	2	2			3		

CROSS DRAIN TABULATION

STATION	SKEW	RCP CLASS III OR CMP 10 GA OR PVC OR SRTRP OR HDPE OR PP FILL HEIGHT ≤ 16 FT. (L.F.) 18"	24"	30"	36"	42"	48"	60"	RCP CLASS IV OR PVC FILL HEIGHT > 16 FT. AND ≤ 24 FT (L.F.) 18"	24"	30"	36"	42"	48"	END TREATMENT INLET TYPE	INLET DRAWING NO.	OUTLET TYPE	OUTLET DRAWING. NO.	REMARKS
523+40.00	50º							110							PEW	D-PEW-1	PEW	D-PEW-1	S.R. 322
527+41.00	73º						99								TYPE 42	D-CB-42SC	U	D-PE-48A	S.R. 322
537+08.26	88º						81								U	D-PE-48A	U	D-PE-48A	S.R. 322
544+80.89	89º					102									U	D-PE-42A	U	D-PE-42A	S.R. 322, TWO PIPES CONNECTED VIA A MANHOLE
563+54.19	82º		86												U	D-PE-24A	U	D-PE-24A	S.R. 322
597+50.00	90º								197						U	D-PE-18A	U	D-PE-18A	S.R. 322
606+92.51	90º				153										U	D-PE-36A	U	D-PE-36A	S.R. 322
608+07.13	90º	164													U	D-PE-18A	U	D-PE-18A	EXCELLENCE WAY
614+52.67	90º				27										U	D-PE-36A	U	D-PE-36A	EXCELLENCE WAY, PROP. RCP EXT.
10+45.33	82º		75												U	D-PE-24A	U	D-PE-24A	OAK GROVE RD.
30+45.05	90º		35												U	D-PE-24A	U	D-PE-24A	CANDI LANE
54+01.94	76º	58													U	D-PE-18A	U	D-PE-18A	LAKESIDE RD.
65+00.00	90º	30													U	D-PE-18A	U	D-PE-18A	BRAKEBILL RD.
84+80.00	90º	72													U	D-PE-18A	U	D-PE-18A	PRESSLEY RD.
TOTALS		324	196		180	102	180	110	197										

(1) INCLUDES THE COST OF REMOVAL OF CONFLICTING DRAINAGE STRUCTURES OR DRAINAGE STRUCTURES WITHIN THE EXCAVATION LIMIT, AS DIRECTED BY THE OPERATIONS DISTRICT ENGINEER.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	2F2

CATCH BASINS AND MANHOLES

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/ TOP ELEV.	INVERT ELEV.	DEPTH (FT.)	INSIDE DIM.	STANDARD DRAWING NO.	PAY ITEMS								
										TYPE 3 611-01.03 8'-12'	TYPE 3 611-01.04 12'-16'	TYPE 12 611-12.01 0'-4'	TYPE 12 611-12.02 4'-8'	TYPE 14 611-14.01 0'-4'	TYPE 14 611-14.02 4'-8'	TYPE 43 611-43.01 0'-4'	TYPE 43 611-43.02 4'-8'	TYPE 43 611-43.03 8'-12'
6B	S.R. 322	527+53.95	43.00	1	878.14	867.59	10.55	96" DIA.	D-CB-43R									1
7B	S.R. 322	544+81.50	-42.31	2	889.86	875.29	14.57	5'2" x 5'2"	D-MH-5		1							
TOTALS											1							1

SIDE DRAIN TABULATION

STATION	LOCATION		DESCRIPTION	SURFACE WIDTH FT.	SKEW	RCP CLASS III OR CMP 16 GA OR PVC OR SRTRP OR HDPE OR PP (L.F.) FILL HEIGHT ≤ 10 FT.							HORIZONTAL OVAL CONCRETE PIPE CULVERT	END TREATMENT				REMARKS
														INLET		OUTLET		
	LT.	RT.				15"	18"	24"	30"	36"	42"	48"		TYPE	DRAWING NO.	TYPE	DRAWING NO.	
502+17	X		S.R. 322, TRACT 1 DRIVE	12	90°			26										
504+05	X		S.R. 322, TRACT 3 FIELD ENT.	14	90°			29										
506+20	X		S.R. 322, TRACT 3 FIELD ENT.	20	90°		36											
509+70	X		S.R. 322, TRACT 5 DRIVE	12	90°		24											
511+40		X	S.R. 322, TRACT 4 DRIVE	12	90°			25										
514+50		X	S.R. 322, TRACT 8 DRIVE	15	90°		29											
515+95	X		S.R. 322, TRACT 10 DRIVE	15	90°		32											
517+95		X	S.R. 322, TRACT 13 FIELD ENT.	30	90°		43											
525+40		X	S.R. 322, TRACT 15 FIELD ENT.	12	90°		26											
525+85		X	S.R. 322, TRACT 16 FIELD ENT.	12	90°		28											
20+92	X		HENDRIX LOOP, TRACT 18 DRIVE	14	90°								32					23"X14"
531+10		X	S.R. 322, TRACT 17 FIELD ENT.	12	90°		28											
534+15		X	S.R. 322, TRACT 19 DRIVE	12	90°		26											
539+15		X	S.R. 322, TRACT 20 DRIVE	12	90°		32											
539+60		X	S.R. 322, TRACT 22 DRIVE	14	90°		28											
44+75		X	HENDRIX LOOP, TRACT 26 FIELD ENT.	15	90°		32											
550+60		X	S.R. 322, TRACT 29 DRIVE	20	90°		38											
553+00		X	S.R. 322, TRACT 31 DRIVE	20	90°		34											
555+45	X		S.R. 322, TRACT 35 DRIVE	14	90°		49											
556+00		X	S.R. 322, TRACT 33 DRIVE	30	90°		51											
559+00	X		S.R. 322, TRACT 37 DRIVE	15	90°		29											
562+94	X		S.R. 322, TRACT 37 DRIVE	14	90°		28											
52+85	X		LAKESIDE RD, TRACT 46 DRIVE	12	90°		25											
571+20		X	S.R. 322, TRACT 45 DRIVE	12	90°		26											
572+95		X	S.R. 322, TRACT 45 DRIVE	15	90°		31											
573+90		X	S.R. 322, TRACT 49 DRIVE	40	90°		62											
574+20	X		S.R. 322, TRACT 48 DRIVE	12	90°		28											
575+00	X		S.R. 322, TRACT 50 DRIVE	12	90°		28											
576+20	X		S.R. 322, TRACT 52 DRIVE	18	90°		32											
599+05	X		S.R. 322, TRACT 58 BUS. ENT.	30	90°		40											
82+25	X		PRESSLEY RD, TRACT 60 BUS. ENT.	30	90°		58											
	X		TRACT 60 SECONDARY BUS. ENT.	20	90°		39											
83+90		X	PRESSLEY RD, TRACT 57 DRIVE	40	90°		40											
205+70		X	S.R. 72	24	90°	5												
TOTALS						5	1002	80					32					

Pipe Tabulation For Private Drives, Business & Field Entrances

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	2F3

REMOVAL OF BUILDINGS AND OBSTRUCTIONS DESCRIPTION BLOCK

PAY ITEM	TRACT NO.	DESCRIPTION
202-06.01	1	CONCRETE STEPS
202-06.02	3	124' OF 5 STRAND BARBED WIRE FENCING
202-06.03	8,11,12	2899 SF BLOCK COMMERCIAL BUILDING WITH BASEMENT, 768 SF BLOCK GARAGE, 70' WOODEN FENCING, & TWO FUEL DISPENSERS ON CONCRETE ISLAND WITH 4 STEEL BALLARDS
202-06.04	10	1370' OF 5 STRAND BARBED WIRE FENCING WITH 2 FARM GATES & 600 SF OF CONCRETE DRIVEWAY
202-06.05	14	900' OF 5 STRAND BARBED WIRE FENCING WITH WOOD POSTS
202-06.06	18	490 SF OF CONCRETE DRIVEWAY & 120 SF CHAIN-LINK DOG KENNEL
202-06.07	19	190' OF BARBED WIRE FENCING
202-06.08	20	504' OF 6 STRAND BARBED WIRE FENCING & 115' OF 4-BOARD WOOD FENCING
202-06.09	21,23	1344 SF MOBILE HOME ON BLOCK FOUNDATION, ATTACHED CARPORT, 1624 SF BLOCK UTILITY BUILDING WITH DISCARDED PROPERTY INSIDE, & 2 SEPTIC SYSTEMS (TANKS, DRAIN FIELD, ETC.)
202-06.10	22	600 SF OF CONCRETE DRIVEWAY
202-06.11	24	1948 SF FRAME HOUSE, 200 SF FRAME SHED, 175' OF WOODED FENCE, SEPTIC SYSTEM, WELL HOUSE WITH WELL SYSTEM, & 50 AMP ELECTRICAL HOOKUP
202-06.12	26	WOODEN DILAPIDATED BARN, 1250' OF BARBED WIRE FENCING, 3 - 12' METAL GATES, WELL SYSTEM, 100' PLASTIC WATER LINE, & 2 - 25' WOOD POSTS WITH LIGHT
202-06.13	30	1350 SF FRAME HOUSE, 144 SF FRAME SHED, & SEPTIC SYSTEM
202-06.14	33	1196 SF FRAME HOUSE WITH BASEMENT, ABOVE-GROUND POOL, & SEPTIC SYSTEM
202-06.15	34	1921 SF MOBILE HOME ON BLOCK PIERS & SEPTIC SYSTEM
202-06.16	35	1647 SF FRAME HOUSE WITH BASEMENT, 192 SF FRAME SHED, & SEPTIC SYSTEM
202-06.17	37	1792 SF FRAME HOUSE, 246 SF WOOD SHED, 120 SF BLOCK SHED, SEPTIC SYSTEM, 30' WOVEN WIRE FENCING, 150' ELECTRIC FENCING, AND WELL HOUSE & WELL
202-06.18	41	175' FENCING
202-06.19	43	40' WOOD BOARD FENCING, 100' WIRE MESH FENCING WITH WOOD POSTS, & 346' WIRE MESH FENCING WITH T-POSTS
202-06.20	45	363' SF FRAME SHED, 10' SPLIT RAIL FENCE, 975' WOVEN WIRE FENCE, & 2 METAL GATES
202-06.21	48	1485 SF FRAME HOUSE WITH BASEMENT, 160 SF CONCRETE PAD, SEPTIC SYSTEM, 60' WOOD FENCING, AND 18' METAL FLAGPOLE
202-06.22	50	858 SF FRAME HOUSE, 112' SF METAL UTILITY SHED, & SEPTIC SYSTEM
202-06.23	52	32' VINYL FENCING, 40 SF BRICK MAILBOX, & 1100 SF CONCRETE DRIVEWAY
202-06.24	54	210' WIRE MESH FENCING
202-06.25	55	1660' WOVEN WIRE FENCING
202-06.26	57	8000 SF METAL SHOP/GARAGE BUILDING
202-06.27	58	432' CHAIN-LINK FENCE
202-06.28	59	1290 SF FRAME HOUSE, 120 SF METAL UTILITY SHED, & SEPTIC SYSTEM
202-06.29	60	207' CHAIN-LINK FENCE WITH BARBED COILS
202-06.30	61	34' X 52' CONCRETE PAD, 1560 SF CONCRETE GARAGE APRON, CHAIN-LINK FENCE, & SEPTIC SYSTEM
202-06.31	83	105' WIRE MESH FENCING WITH WOOD/STEEL POSTS & 1 METAL FARM GATE
202-06.32	85	34' BARBED WIRE FENCING, 2 CATTLE GATES, & 1225 SF CONCRETE DRIVEWAY

SPECIAL DITCHES AND ROADSIDE DITCHES

ROADWAY	STATION FROM	STATION TO	SIDE	DETAIL NO.	GRANULAR BACKFILL 303-01.01 (TON)	GEO-MEMBRANE 740-06.01 (S.Y.)	SODDING NEW SOD 803-01 (S.Y.)	MACHINED RIP-RAP (B) 709-05.08 (TON)
SR-322	502+00.00	509+00.00	L	SOD	109	563	563	
SR-322	503+00.00	508+50.00	R	SOD	121	624	624	
SR-322	509+00.00	517+50.00	L	SOD	141	725	725	
SR-322	517+50.00	519+00.00	L	SOD	30	154	154	
SR-322	519+00.00	521+50.00	L	SOD	45	231	231	
SR-322	521+50.00	522+00.00	L	SOD	11	57	57	
SR-322	509+50.00	512+00.00	R	RIP-RAP	50	255		223
SR-322	512+00.00	515+00.00	R	SOD	35	181	181	
SR-322	515+00.00	515+50.00	R	SOD	10	51	51	
SR-322	515+50.00	520+50.00	R	RIP-RAP	101	518		453
SR-322	522+00.00	52+350.00	L	RIP-RAP	10	51		45
SR-322	529+00.00	529+50.00	L	SOD	11	57	57	
SR-322	529+50.00	531+50.00	L	SOD	40	205	205	
SR-322	531+50.00	532+50.00	L	SOD	22	113	113	
SR-322	524+00.00	525+00.00	R	SOD	22	113	113	
SR-322	525+00.00	525+50.00	R	SOD	7	34	34	
SR-322	525+50.00	526+00.00	R	RIP-RAP	8	42		37
SR-322	526+00.00	526+50.00	R	RIP-RAP	10	51		45
SR-322	526+50.00	527+00.00	R	SOD	11	57	57	
SR-322	527+00.00	528+00.00	R	SOD	13	66	66	
SR-322	528+00.00	529+50.00	R	SOD	33	170	170	
SR-322	529+50.00	530+00.00	R	SOD	10	51	51	
SR-322	530+00.00	533+50.00	R	SOD	58	298	298	
SR-322	533+50.00	534+00.00	R	SOD	7	38	38	
SR-322	534+00.00	535+00.00	R	SOD	19	99	99	
SR-322	535+00.00	536+50.00	R	SOD	33	170	170	
SR-322	539+50.00	540+00.00	R	SOD	11	57	57	
SR-322	540+00.00	540+50.00	R	SOD	10	51	51	
SR-322	540+50.00	544+00.00	R	SOD	63	324	324	
SR-322	544+00.00	544+50.00	R	SOD	10	51	51	
SR-322	545+50.00	546+30.00	R	SOD	14	71	71	
SR-322	546+30.00	548+00.00	R	SOD	27	141	141	
SR-322	548+00.00	555+50.00	R	SOD	120	619	619	
SR-322	555+50.00	556+00.00	R	SOD	5	26	26	
SR-322	556+00.00	557+00.00	R	SOD	6	28	28	
SR-322	559+00.00	561+00.00	L	SOD	38	194	194	
SR-322	561+00.00	563+22.00	L	SOD	43	220	220	
SR-322	565+50.00	566+00.00	L	SOD	11	57	57	
SR-322	566+00.00	566+50.00	L	SOD	10	51	51	
SR-322	566+50.00	567+00.00	L	SOD	9	46	46	
SR-322	557+00.00	559+00.00	R	SOD	27	141	141	
SR-322	559+00.00	563+50.00	R	SOD	81	416	416	
SR-322	563+50.00	564+00.00	R	SOD	8	41	41	
SR-322	564+00.00	567+00.00	R	SOD	66	340	340	
SR-322	567+00.00	571+00.00	L	SOD	61	316	316	
SR-322	571+00.00	572+50.00	L	SOD	30	154	154	
SR-322	572+50.00	577+00.00	L	SOD	81	415	415	
SR-322	569+00.00	576+50.00	R	SOD	139	717	717	
SR-322	576+50.00	577+00.00	R	SOD	10	51	51	
SR-322	577+00.00	578+50.00	L	SOD	33	170	170	
SR-322	579+50.00	580+00.00	L	SOD	11	57	57	
SR-322	580+00.00	581+5000	L	SOD	33	170	170	
SR-322	581+50.00	582+00.00	L	SOD	10	51	51	
SR-322	582+00.00	586+50.00	L	SOD	81	416	416	
SR-323	586+50.00	587+00.00	L	RIP-RAP	10	51		45
SR-322	587+00.00	590+00.00	L	SOD	41	211	211	
SR-322	577+00.00	579+50.00	R	SOD	45	231	231	
SR-322	579+50.00	581+00.00	R	SOD	30	154	154	
SR-322	582+50.00	586+50.00	R	SOD	72	370	370	
SR-322	586+50.00	587+00.00	R	RIP-RAP	11	57		50
TOTALS					**2225**	**11442**	**10416**	**898**

NOTE: DITCH TABULATION CONTINUES ONTO SHEET 2F4.

SEALED BY

STACY L. WEAVER REGISTERED ENGINEER IN AGRICULTURE COMMERCE & 111932 STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	2F4

SPECIAL DITCHES AND ROADSIDE DITCHES

ROADWAY	STATION		SIDE	DETAIL NO.	GRANULAR BACKFILL 303-01.01 (TON)	GEO-MEMBRANE 740-06.01 (S.Y.)	SODDING NEW SOD 803-01 (S.Y.)	MACHINED RIP-RAP (B) 709-05.08 (TON)
	FROM	TO						
SR-322	590+00.00	591+50.00	L	SOD	20	105	105	
SR-322	591+50.00	593+00.00	L	RIP-RAP	27	139		121
SR-322	593+00.00	594+00.00	L	RIP-RAP	20	103		90
SR-322	594+00.00	597+00.00	L	RIP-RAP	41	211		184
SR-322	597+00.00	598+00.00	L	RIP-RAP	12	60		52
SR-322	598+00.00	598+50.00	L	RIP-RAP	7	35		31
SR-322	598+50.00	601+00.00	L	SOD	46	238	238	
SR-322	590+00.00	593+00.00	R	SOD	66	340	340	
SR-322	601+00.00	601+50.00	L	SOD	10	51	51	
SR-322	601+50.00	607+00.00	L	SOD	99	508	508	
SR-322	603+50.00	606+00.00	R	SOD	45	231	231	
SR-322	606+00.00	606+50.00	R	SOD	7	35	35	
SR-322	606+50.00	607+00.00	R	SOD	11	57	57	
OAK GROVE	10+50.00	11+00.00	L	SOD	7	35	35	
OAK GROVE	11+00.00	11+50.00	L	SOD	9	46	46	
OAK GROVE	11+50.00	12+50.00	L	SOD	22	113	113	
OAK GROVE	12+50.00	13+50.00	L	SOD	14	71	71	
OAK GROVE	10+50.00	13+50.00	R	SOD	41	212	212	
HENDRIX	19+70.00	20+70.00	L	SOD	10	50	50	
HENDRIX	20+70.00	25+50.00	L	SOD	46	239	239	
CANDI	30+50.00	31+00.00	L	RIP-RAP	6	30		26
CANDI	31+00.00	34+00.00	L	RIP-RAP	29	149		130
CANDI	30+50.00	33+50.00	R	RIP-RAP	41	212		185
HENDRIX	43+00.00	44+00.00	L	RIP-RAP	10	50		43
HENDRIX	44+00.00	46+00.00	L	RIP-RAP	23	120		105
HENDRIX	43+00.00	44+00.00	R	RIP-RAP	10	7		8
HENDRIX	44+00.00	45+00.00	R	RIP-RAP	7	7		8
HENDRIX	45+00.00	48+00.00	R	RIP-RAP	35	8		9
LAKESIDE	51+00.00	54+50.00	L	SOD	38	195	195	
LAKESIDE	55+00.00	59+00.00	L	SOD	47	240	240	
LAKESIDE	51+00.00	54+50.00	R	SOD	41	210	210	
LAKESIDE	55+00.00	59+00.00	R	SOD	47	240	240	
OLD SR-322	70+50.00	74+50.00	L	SOD	39	199	199	
OLD SR-322	70+50.00	72+50.00	R	SOD	19	99	99	
BRAKEBILL	60+50.00	64+00.00	L	SOD	34	174	174	
PRESSLEY RD	80+50.00	83+00.00	L	SOD	26	136	136	
PRESSLEY RD	82+00.00	83+00.00	R	SOD	12	62	62	
EXCELLENCE WAY	608+00.00	609+50.00	L	SOD	44	137	137	
EXCELLENCE WAY	609+50.00	612+00.00	L	SOD	70	177	177	
EXCELLENCE WAY	612+00.00	615+00.00	L	RIP-RAP	99	212		185
BRAKEBILL	64+00.00	69+00.00	L	SOD	27	248	248	
PRESSLEY RD	83+00.00	86+50.00	L	SOD	34	247	247	
PRESSLEY RD	83+00.00	83+50.00	R	SOD	41	35	35	
SR-72	202+50.00	205+50.00	L	SOD	48	340	340	
SR-72	207+00.00	210+00.00	L	SOD	48	340	340	
SR-72	202+50.00	204+50.00	R	SOD	7	227	227	
SR-72	207+00.00	210+00.00	R	SOD	66	340	340	
SR-72	210+00.00	212+00.00	L	SOD	66	227	227	
SR-72	212+00.00	215+50.00	L	SOD	44	360	360	
SR-72	210+00.00	215+50.00	R	RIP-RAP	66	510		447
TOTALS					**1684**	**8416**	**6565**	**1626**

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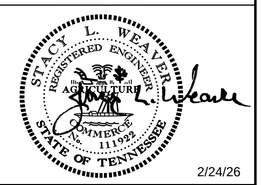

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

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RIGHT-OF-WAY NOTES

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

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

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

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

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

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

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

(8) ON PROJECTS WITHOUT CURB AND GUTTER THAT ARE ON STATE ROUTES, IT WILL BE THE RESPONSIBILITY OF THE OWNER TO SECURE A PERMIT AND TO CONSTRUCT ADDITIONAL DRIVEWAYS AND FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS.

(9) 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.

UTILITIES NOTES

(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

TELEPHONE:
AT&T
300 E. MARTIN LUTHER KING BLVD.
CHATTANOOGA, TN 37403
PHONE: (423) 488-2825
CONTACT: JOE PERREL

TDS TELECOM
10201 UPPER RIDGE WAY
KNOXVILLE TN 37932
PHONE: (865) 777-4436
CONTACT: SCOTT FRAY
CELL PHONE: (865) 777-4436
EMAIL: SCOTT.FRAY@TDSTELECOM.COM

SEWER:
CITY OF MADISONVILLE
400 COLLEGE ST. SOUTH
MADISONVILLE TN 37354
PHONE: (423) 442-6321
CONTACT: CHARLES ATKINS
CELL PHONE: (423) 261-5633
EMAIL: CHARLES.ATKINS@MADISIONVILLETN.NET

GAS:
LOUDON UTILITIES BOARD
P.O. BOX 89
2480 HIGHWAY 72 NORTH
LOUDON TN 37774
PHONE: (865) 458-2091
CONTACT: BRETT ZIMMERMAN
EMAIL: BRETT.ZIMMERMAN@LOUDONUTILITIES.ORG

WATER:
TELLICO AREA SERVICES SYSTEM
505 CLEARVIEW RD.
MARYVILLE, TN 37801
P.O. BOX 277
VONORE, TN 37885
PHONE: (423) 884-6400
CONTACT: MARK CLINTON
CELL PHONE: (865) 207-0112
EMAIL: CLINTON@TASSONLINE.ORG

ELECTRIC:
LOUDON UTILITIES BOARD
P.O. BOX 89
2480 HIGHWAY 72 NORTH
LOUDON TN 37774
PHONE (865) 458-2091
CONTACT: AUBREY CAGLE
CELL PHONE: (865) 748-7538
EMAIL: AUBREY.CAGLE@LOUDONUTILITIES.ORG

FIBER:
LOUDON UTILITIES BOARD
P.O. BOX 89
2480 HWY. 72 NORTH
LOUDON TN 37774
PHONE: (865) 458-2091
CONTACT: AUBREY CAGLE
CELL PHONE: (865) 748-7538
EMAIL: AUBREY.CAGLE@LOUDONUTILITIES.ORG

CHARTER
1774 HENRY G. LANE ST.
MARYVILLE TN 37801
PHONE: (865) 338-7524
CONTACT: BILLY CLICK
CELL PHONE: (865) 388-7524
EMAIL: BILLY.CLICK@CHARTER.COM

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	3
PS&E	2026	R-STP-322(15)	3

SEALED BY



2/24/26

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

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

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R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA ACRES			AREA TO BE ACQUIRED ACRES			AREA REMAINING ACRES		EASEMENT (SQUARE FEET)			
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE BK.	PAGE	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM. DRAINAGE	SLOPE	CONST. ①	
1	CHELSEY WARD AND HUSBAND, PARKER WARD	19	11.00	460	497	1.563		1.563				1.563			317	1399	
2	KADEN MCKEWON ET AL	18	86.00	361	141		22.626	22.626		3493 S.F.	3493 S.F.		22.546				
3	SAMUEL SELF AND WIFE, EVELYN SELF	19	10.01	436	746	5.386		5.386	0.208		0.208	5.178				0.236 AC	
4	KAREN WHITE BURKE AND HUSBAND, DENNIS CRAIG BURKE	18	85.00	414	725		47.869	47.869		0.207	0.207		47.662				
5	TOMMY LEE BLANKENSHIP	19	10.00	373	329	2.320	239 S.F.	2.325	0.850	237 S.F.	0.855	1.470	2 S.F.			0.198 AC	
6	CURTIS S. BREWSTER AND WIFE, TERESA D. BREWSTER	19	9.00	315	150	0.694	0.117	0.811	0.594	0.117	0.711	0.100	0 S.F.				
7	JAMES T. MORRIS AND WIFE, MARGARET I. COOPER	19	18.03	370	476		0.974	0.974					0.974			166	
8	CHARLES R. HALL AND WIFE, HELEN A. HALL	19	20.00	97	453		1.386	1.386		0.227	0.227		1.159			0.353 AC	②
~~9~~	~~JAMES T. MORRIS AND WIFE, MARGARET I. COOPER~~	~~19~~	~~18.00~~	~~359~~	~~209~~		~~0.793~~	~~0.793~~					~~0.793~~				
10	RUBY A. MCLEMORE	19	8.01	214	251	42.455	1990 S.F.	42.501	1.651	1990 S.F.	1.697	40.804				0.575 AC	
				214	253												
				214	255												
				190	136												
				188	559												
				185	202												
				167	273												
11	CHARLES R. HALL AND WIFE, HELEN ANN HALL	19	19.01	190	441	4.204		4.204				4.204				196	
12	CHARLES R. HALL AND WIFE, HELEN A. HALL	19	21.01	251	319		1.018	1.018		3072 S.F.	3072 S.F.		0.947				
13	RUBY MCLEMORE	19	21.02	375	779		6.065	6.065		0.365	0.365		5.700			0.281 AC	
				370	747												
				358	808												
14	DELORES D. HARRILL	19	8.02	168	614	7.654	1614 S.F.	7.691	1.181	1614 S.F.	1.218	6.473		0.112 AC		0.122 AC	
15	LOIS H. CRAIG	19	21.00	137	566		12.354	12.354		1242 S.F.	1242 S.F.		12.325			1020	
				104	548												
16	KATHERINE S. FISHER F/K/A KATHERINE S. BENSON	19	23.01	191	353		0.994	0.994		4324 S.F.	4324 S.F.		0.895			3723	
17	FREDDIE LEE COOPER	19	22.00	433	235		40.940	40.940		0.357	0.357		40.583			4041	
				121	451												
18	BRIAN SCOTT MILLS	19	25.00	410	478	9.743	0.102	9.845	2.144	0.102	2.246	7.599		1952		0.121 AC	
19	THOMAS M. TRUPIANO AND WIFE, PENNY TRUPIANO	19	24.02	374	495		3.373	3.373		771 S.F.	771 S.F.		3.355			0.174 AC	
20	GERALD GLEN BARNHART AND WIFE, JEANETTE BARNHART	19	24.01	367	618		20.131	20.131		0.138	0.138		19.993			2136	
21	TAMMY SUE GENTRY CLARK	19	26.00	104	550	2.226	1155 S.F.	2.253	0.550	1155 S.F.	0.577	1.676	0 S.F.	461		0.256 AC	⑩
22	CHAD CHAMBERS AND WIFE, ASHLEY CHAMBERS	19	27.01	302	726		2.654	2.654		0.172	0.172		2.482				
23	TAMMY SUE GENTRY CLARK	19	26.01	178	410	1.809		1.809	0.677		0.677	1.132				0.210 AC	③
24	RANDY D. WATKINS AND WIFE, LISA L. WATKINS	19	27.02	296	237		0.999	0.999		0.243	0.243		0.756			0.413 AC	⑪
25	FREDDIE LEE COOPER	19O/A	19.00	178	325		1.229	1.229		0.411	0.411		0.818			46	
26	JAMES R. WOEBER AND WIFE, KATHY E. WOEBER	19	29.01	342	271	7.981	284 S.F.	7.988	1.461	284 S.F.	1.468	6.520	0 S.F.			0.213 AC	
				WD315	589-590												
27	FREDDIE LEE COOPER	19O/A	20.00	178	325		0.851	0.851		0.335	0.335		0.516				
28	FREDDIE LEE COOPER	19O/A	1.00	178	325		0.652	0.652		0.156	0.156		0.496				
29	LARRY D. SUTTON, JR.	19	28.03	381	560		0.716	0.716		0.164	0.164		0.552			2407	
30	WC ATLAS, LLC	19	29	WD457	222	1.954		1.954	0.660		0.660	1.294				0.127 AC	④
31	LARRY D. SUTTON, JR.	19	28.02	357	87		0.687	0.687		0.172	0.172		0.515			0.128 AC	
32	WILLIAM CLINT POTTER	19	31	371	455	25.700	8 S.F.	25.700	0.466	8 S.F.	0.466	25.234	0 S.F.				
33	DARRELL LYNCH	19	28.01	241	557		0.619	0.619		0.227	0.227		0.392			2849	⑫
34	JOSEPH ALLEN COUCH	19	30	336	507	0.590	150 S.F.	0.593	2382 S.F.	150 S.F.	2532 S.F.	0.535	0 S.F.			0.321 AC	⑬
35	GARY ALLEN COUCH AND WIFE, ALICE JANE COUCH	19	30.01	200	90	1.218	3412 S.F.	1.296	0.325	3412 S.F.	0.403	0.893	0 S.F.			0.543 AC	⑭
~~36~~	~~DUSTIN WILLIAMS AND WIFE, AUTUMN WILLIAMS~~	~~19~~	~~35.22~~	~~442~~	~~212~~		~~18.621~~	~~18.621~~					~~18.621~~				
37	ROBERT WHITAKER AND WIFE, JULIE WHITAKER	19	34	307	192	17.530	0.656	18.186	1.409	0.656	2.065	16.121	0 S.F.			0.193 AC	⑤
41	DUSTIN WILLIAMS AND WIFE, AUTUMN WILLIAMS	19	35.22	410	127		2.623	2.623					2.623			248	
42	CAROLYNN C. HALL AND HUSBAND, JOE HALL	19	36	279	4	1.653	2394 S.F.	1.708	0.932	2394 S.F.	0.987	0.721	0 S.F.			1928	⑥
43	DUSTIN WILLIAMS AND WIFE, AUTUMN WILLIAMS	19	35.22	442	212		1.498	1.498		560 S.F.	560 S.F.		1.485			65	

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	3D
PS&E	2026	R-STP-322(15)	3A

REV. 07-27-23: REVISED THE AREA TO BE ACQUIRED ON TRACTS 2, 5, 6, 8, 10, AND 18; REMOVED THE AREA TO BE ACQUIRED ON TRACT 11; REVISED THE CONST. ESMT. AREAS FOR TRACTS 3, 5, 7, 8, 10, 11, 16, 17, 21, 23, 24, 25, 29, 30, 34, 35, 37, 42, 46, 48, AND 50; REMOVED THE CONST. ESMT. AREA FOR TRACT 32; ADDED CONST. ESMT. TO TRACT 11; REVISED TOTAL AREAS, LEFT AND RIGHT, AND REVISED AREAS REMAINING, LEFT AND RIGHT FOR TRACT 14; REVISED FOOTNOTES 2 THROUGH 9.

REV. 04-04-24: TRACT 3 NEW OWNER; TRACT 8 ADDED TCE FOR DEMO; TRACT 10 UPDATED INFORMATION; TRACT 15 NEW OWNER; TRACT 16 NEW OWNER; TRACT 17 NEW OWNER; TRACT 21 ADDED TCE FOR DEMO & NEW OWNER; TRACT 23 NEW OWNER; TRACT 25, 27, & 28 NEW OWNER; TRACT 30 ADDED TCE; TRACT 36 UPDATED INFORMATION; TRACT 37 ADDED TCE FOR DEMO; TRACT 41 UPDATED INFORMATION.

REV. 07-03-24: TRACT 4,5: UPDATED FEE; TRACT 10,13,14,16,30: NEW OWNER; TRACT 24,33: ADD TCE FOR DEMO; TRACT 26: ADDED DRIVEWAY & TCE; TRACT 32: REMOVED TCE; TRACT 37: ADDED SELL-OFF.

REV. 08-15-24: TRACT30: UPDATED TCE; TRACT 34 & 35: ADDED DEMO EASEMENT.

REV. 12-10-24: TRACT 1: NEW OWNER.

REV. 03-24-25: TRACT 17, 26: UPDATED INFORMATION.

REV. 10-01-25: TRACT 31: UPDATED INFORMATION.

FOOTNOTES:
① FOR EPSC AND WORKING ROOM.
② INCLUDES DEMO EASEMENT,10289 SQ. FT.
③ INCLUDES DEMO EASEMENT, 4037 SQ. FT.
④ INCLUDES DEMO EASEMENT, 3841 SQ. FT.
⑤ INCLUDES DEMO EASEMENT, 5998 SQ. FT.
⑥ INCLUDES DEMO EASEMENT, 818 SQ. FT.
⑩ INCLUDES DEMO EASEMENT, 5558 SQ. FT.
⑪ INCLUDES DEMO EASEMENT,11081 SQ. FT.
⑫ INCLUDES DEMO EASEMENT, 2358 SQ. FT.
⑬ INCLUDES DEMO EASEMENT, 6506 SQ. FT.
⑭ INCLUDES DEMO EASEMENT, 11613 SQ. FT.

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No. 111922
STATE OF TENNESSEE
2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

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R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA ACRES			AREA TO BE ACQUIRED ACRES			AREA REMAINING ACRES		EASEMENT (SQUARE FEET)			
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE BK.	DEED DOCUMENT REFERENCE PAGE	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM. DRAINAGE	SLOPE	CONST.	
44	DUSTIN WILLIAMS AND WIFE, AUTUMN WILLIAMS	19	35.22	442	212		0.841	0.841		0.204	0.204		0.637				
45	DEAN WILLIAMS AND WIFE, BRENDA WILLIAMS	19	38	352	210		44.890	44.890		0.710	0.710		44.180			4196	
46	VICTORIA GRAY AND CHARLES JOSHUA GRAY	19	46	374	509	1.110	0.100	1.210	0.690	0.100	0.790	0.420				2299	(7)
46S	MARK PATTERSON	19	46	WD452	315	0.420		0.420				0.420				1692	
47	FREDDIE LEE COOPER	19	45.01	263	245	0.476	827 S.F.	0.495	0.224	827 S.F.	0.243	0.252					
48	SASKCUS, LLC, LARRY COX, CANG D. NGUYEN AND JAMES M. TIPTON	19	45	449	511	0.814	339 S.F.	0.822	0.422	339 S.F.	0.430	0.392				0.123 AC	(8)
49	DAVID WHITEHEAD, DAWN ESTEL, DALE WEIDINGER, & PASTOR WILLIAM MCDONALD AS CURRENT & SUCCESSOR TRUSTEES FOR ST. PAUL'S LUTHERAN CHURCH	19	39	WD 93/531	DB 38/37		0.935	0.935		3059 S.F.	3059 S.F.		0.865				
50	DUSTIN ALLEN WILLIAMS AND WIFE, AUTUMN N. WILLIAMS	19	44.02	419	362	0.557		0.557	0.234		0.234	0.323				3795	(9)
51	DAVID WHITEHEAD, DAWN ESTEL, DALE WEIDINGER, & PASTOR WILLIAM MCDONALD AS CURRENT & SUCCESSOR TRUSTEES FOR ST. PAUL'S LUTHERAN CHURCH	19	39	WD 93/531	DB 38/37		0.831	0.831		4060 S.F.	4060 S.F.		0.738				
52	DUSTIN A. WILLIAMS AND AUTUMN N. SHELL	19	44.01	290	125	0.840		0.840	1528 S.F.		1528 S.F.	0.805				3564	
53	DAVID WHITEHEAD, DAWN ESTEL, DALE WEIDINGER, & PASTOR WILLIAM MCDONALD AS CURRENT & SUCCESSOR TRUSTEES FOR ST. PAUL'S LUTHERAN CHURCH	19	40	229	123	0.372	2.322	2.694	0.372	0.658	1.030		1.664				
54	BRENDA K. WILLIAMS AND HUSBAND, DEAN WILLIAMS	19	48.02	153	870	26.865		26.865	1645 S.F.		1645 S.F.	26.827					
55	DEAN WILLIAMS	27	63	394	10	41.445	32.048	73.493	4.976	5.769	10.745	36.469	26.279			3434	
~~56~~	~~BERNICE D. COKER~~	~~27~~	~~64.01~~	~~198~~	~~586~~		~~28.272~~	~~28.272~~					~~28.272~~				
57	JAMES WATSON AND WIFE, LISA WATSON	27	80.04	414	672		5.444	5.444		0.402	0.402		5.042			0.279 AC	(15)
57A	ROBERT W. LENNINGTON & WIFE, CHRISTINE L. LENNINGTON	27	80.01	405	248-249	0.119	5.328	5.447	0.111	0.251	0.362	360 S.F.	5.077				
58	AMSDELL STORAGE VENTURES 89, LLC	27	63.01	465	108	11.559	0.194	11.753	0.848	0.194	1.042	10.711				0.108 AC	
59	JAMES WATSON AND WIFE, LISA WATSON	27	81	388	405	0.407	1.952	2.359	0.407	1.833	2.240		0.119			1375	
60	T&C PROPERTIES A TENNESSEE GENERAL PARTNERSHIP OF TONY MARTIN AND CHARLES SWIFT	27	80.02	WD465	42	0.283	11.356	11.639	0.283	0.574	0.857		10.782				
61	PAUL D. HILL, TRUSTEE	27	80.03	335	545	0.535		0.535	0.535		0.535						
62	EXCELLENCE INDUSTRIAL ASSOCIATES LLC	27	91.05	435	418		99.309	99.309					99.309			589	
~~63~~	~~REBA J. CARMLEY~~	~~19~~	~~18.02~~	~~351~~	~~698~~		~~0.905~~	~~0.905~~					~~0.905~~				
~~64~~	~~TANNER G. ADAMS~~	~~27~~	~~31~~	~~363~~	~~13~~		~~0.443~~	~~0.443~~					~~0.443~~				
65	GARY PAUL DELACQUESEAUX AND WIFE, DENISE DARLENE DELECQUESEAUX	~~27~~	~~32~~	~~328~~	~~486~~		~~0.456~~	~~0.456~~					~~0.456~~				
~~66~~	~~WILLIAM KEVIN AND JANET E. HILL~~	~~27~~	~~33~~	~~328~~	~~381~~		~~0.458~~	~~0.458~~					~~0.458~~				
~~66A~~	~~TIMOTHY E. AND TERESA HUGHES~~	~~19~~	~~19.02~~	~~209~~	~~694~~	~~3.456~~		~~3.456~~				~~3.456~~					
~~67~~	~~ALBERT F. HUNT AND WIFE PEARL L. HUNT~~	~~19~~	~~25.01~~	~~201~~	~~677~~	~~4.844~~		~~4.844~~				~~4.844~~					
~~68~~	~~LLOYD WILLIAM MILLS~~	~~19~~	~~7~~	~~115~~	~~721~~	~~5.112~~		~~5.112~~				~~5.112~~					
69	KELLEY SUZANNE MCKINNON AND STEPHEN TRENT BELL	19O/A	18	425	25		2.547	2.547		279 S.F.	279 S.F.		2.541				
~~70~~	~~ANTON ANDERSON AND WIFE, JEANETTE ANDERSON~~	~~19~~	~~17~~	~~384~~	~~44~~		~~1.151~~	~~1.151~~					~~1.151~~				
~~71~~	~~DENNIS C. ROGAN AND WIFE, KATHLEEN M. ROGAN~~	~~19~~	~~13~~	~~304~~	~~546~~		~~0.572~~	~~0.572~~					~~0.572~~				
~~72~~	~~LARRY L. SAMPSON AND WIFE, PAMELA D. SAMPSON~~	~~19~~	~~29~~	~~327~~	~~789~~		~~0.642~~	~~0.642~~					~~0.642~~				
~~73~~	~~JACK C. TALLENT~~	~~19~~	~~23~~	~~387~~	~~533~~		~~0.647~~	~~0.647~~					~~0.647~~				
~~74~~	~~ERIC W. TANNER AND WIFE, LAURIE A. TANNER~~	~~19~~	~~22~~	~~372~~	~~675~~		~~0.693~~	~~0.693~~					~~0.693~~				
75	KAREN A. KUSKE, TRUSTEE OF THE KAREN A. KUSKE LIVING TRUST DATED OCTOBER 28, 1998, AS AMENDED AND RESTATED OCTOBER 21, 2014	19O/A	21	433	138		1.014	1.014		0.168	0.168		0.846				
76	KENNETH TEAGUE AND WIFE, MICHELLE TEAGUE	19	29.02	420	697	1.722		1.722	2927 S.F.		2927 S.F.	1.655					
77	KENNETH TEAGUE AND WIFE, MICHELLE TEAGUE	19	29.02	420	700	1.269		1.269	2929 S.F.		2929 S.F.	1.202					
78	KENNETH TEAGUE AND WIFE, MICHELLE TEAGUE	19	29.02	420	697	1.192		1.192	4214 S.F.		4214 S.F.	1.095					
~~79~~	~~LLOYD WILLIAM MILLS~~	~~19~~	~~7~~	~~115~~	~~721~~	~~0.158~~		~~0.158~~				~~0.158~~					
82	DUSTIN A. WILLIAMS AND WIFE, AUTUMN N. WILLIAMS	19	35.12	373	566		1.695	1.695		1188 S.F.	1188 S.F.		1.668				
83	DUSTIN WILLIAMS AND WIFE, AUTUMN WILLIAMS	27	35.13	410	127		19.466	19.466		1217 S.F.	1217 S.F.		19.438				
				442	212												
~~84~~	~~LAKESIDE BAPTIST CHURCH~~	~~27~~	~~79~~	~~253~~	~~632~~		~~2.883~~	~~2.883~~					~~2.883~~				
85	BOYCE C. MILLSAPS AND WIFE, SHIRLEY MILLSAPS	19	47	124	750	4.750		4.750	0.153		0.153	4.597					
86	MARK A. PATTERSON AND WIFE, SARAH PATTERSON	19	45.02	422	150	0.580		0.580	196 S.F.		196 S.F.	0.576					
~~87~~	~~MARK A. PATTERSON AND WIFE, SARAH E. PATTERSON~~	~~19~~	~~45.03~~	~~293~~	~~146~~	~~0.666~~		~~0.666~~				~~0.666~~					
~~88~~	~~OSCAR CUMMINGS JR. AND WIFE, BEULAH MAE CUMMINGS~~	~~19~~	~~62~~	~~224~~	~~155~~	~~20.121~~		~~20.121~~				~~20.121~~					
89	THE TELLICO RESERVOIR DEVELOPMENT AGENCY			163	461				0.809		0.809						
8006	CURTIS S. BREWSTER AND WIFE, TERESA D. BREWSTER	19	9.00	315	150	0.101		0.101	0.100		0.100	10 S.F.					
8042	CAROLYNN C. HALL AND HUSBAND, JOE HALL	19	36	279	4	0.721		0.721	0.721		0.721						

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	3E
PS&E	2026	R-STP-322(15)	3B

REV. 07-27-23: ADDED TRACT 57A INFORMATION; REVISED THE TOTAL AREAS FOR TRACTS 53, 57, AND 64; REVISED THE AREA TO BE ACQUIRED ON TRACTS 55, 57, AND 59; REVISED FOOTNOTE 10.

REV. 04-04-24: TRACT 45 TCE REDUCED; TRACT 46S ADDED TCE FOR PRIVATE DRIVE; TRACT 48 UPDATED INFORMATION; TRACT 57 ADDED TCE FOR DEMO; TRACT 57A UPDATED INFORMATION; TRACT 59 INCREASED ROW; TRACT 62 UPDATED INFORMATION; TRACT 75 UPDATED INFORMATION; TRACT 77 UPDATED INFORMATION; TRACT 78 UPDATED INFORMATION; TRACT 83 UPDATED INFORMATION.

REV. 07-03-24: TRACT 46,46S: NEW OWNER; TRACT 55: ADDED DRIVEWAY; TRACT 8006,8042: ADDED.

REV. 12-10-24: TRACT 57A: NEW OWNER.

REV. 03-24-25: TRACT 49, 51, 53, 58, 60: NEW OWNER & UPDATED INFORMATION; TRACT 57: ADDED DRIVEWAY; TRACT 60: REDUCED ROW; TRACT 83: UPDATED INFORMATION.

REV. 01-20-26: TRACT 58: ADDED DRIVEWAY.

FOOTNOTE:
(7) INCLUDES DEMO EASEMENT, 2299 SQ. FT.
(8) INCLUDES DEMO EASEMENT, 4816 SQ. FT.
(9) INCLUDES DEMO EASEMENT, 3795 SQ. FT.
(15) INCLUDES DEMO EASEMENT, 8990 SQ. FT.

DISTURBED AREA

IN BETWEEN SLOPE LINES	49.67 (AC)
10 FOOT WIDE STRIP (OUTSIDE SLOPE LINES)	13.01 (AC)
TOTAL DISTURBED AREA	62.68 (AC)
TOTAL PROJECT AREA	74.56 (AC)

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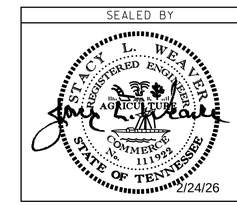

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY ACQUISITION TABLE

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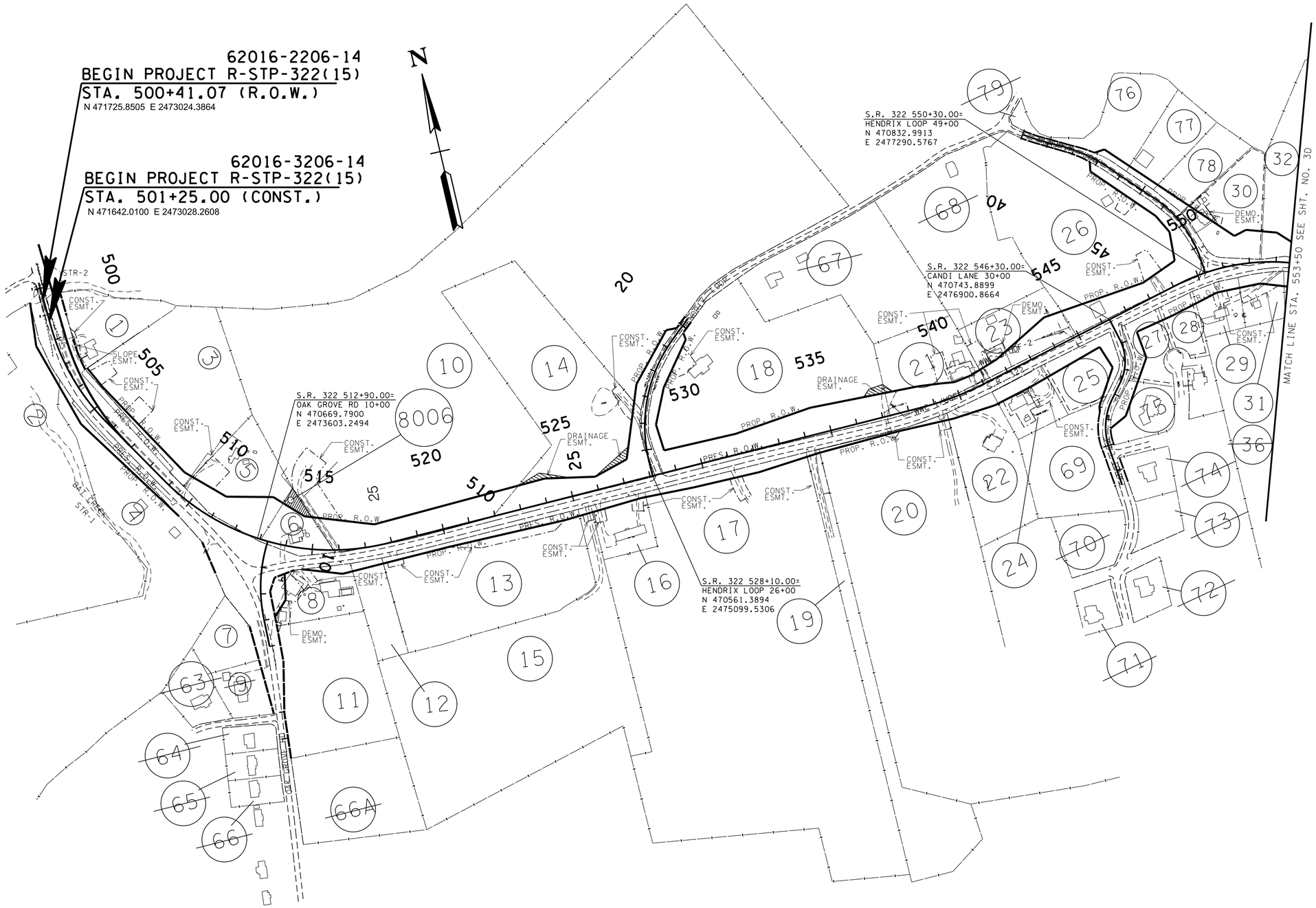
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	3A
PS&E	2026	R-STP-322(15)	3C

REV. 04-04-24: TRACT 8 ADDED TCE FOR DEMO; TRACT 21 ADDED TCE FOR DEMO; TRACT 30 ADDED TCE AND DRIVEWAY.



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STATE OF TENNESSEE

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 500+41 TO STA. 553+50

SCALE: 1"=200'

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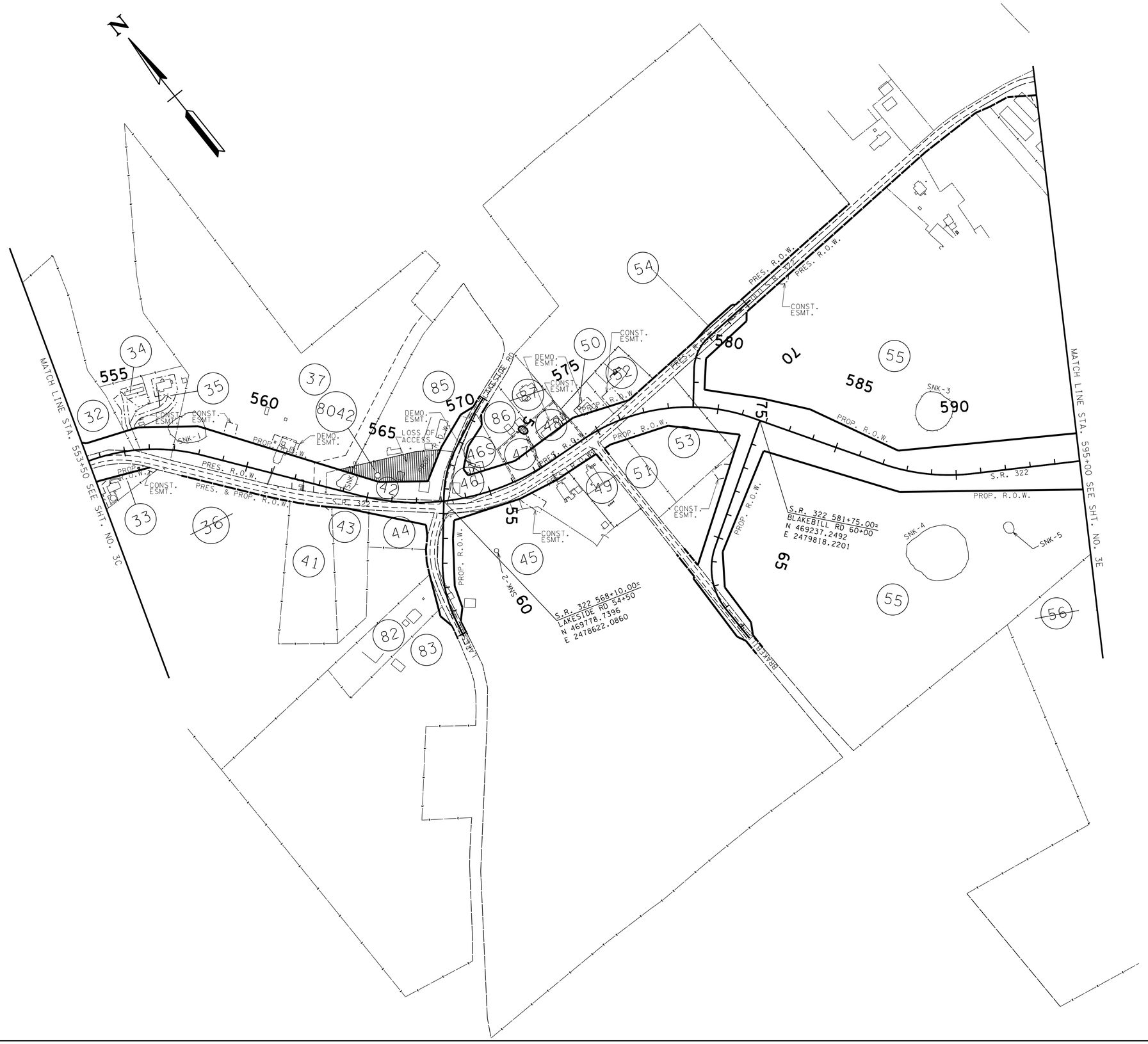
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	3B
PS&E	2026	R-STP-322(15)	3D

REV. 04-04-24: TRACT 37 ADDED TCE FOR DEMO; TRACT 45 PULLED TCE OFF OF FIELD LINES; TRACT 46S ADDED TCE FOR DRIVEWAY.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 553+50 TO STA. 595+00

SCALE: 1"=200'

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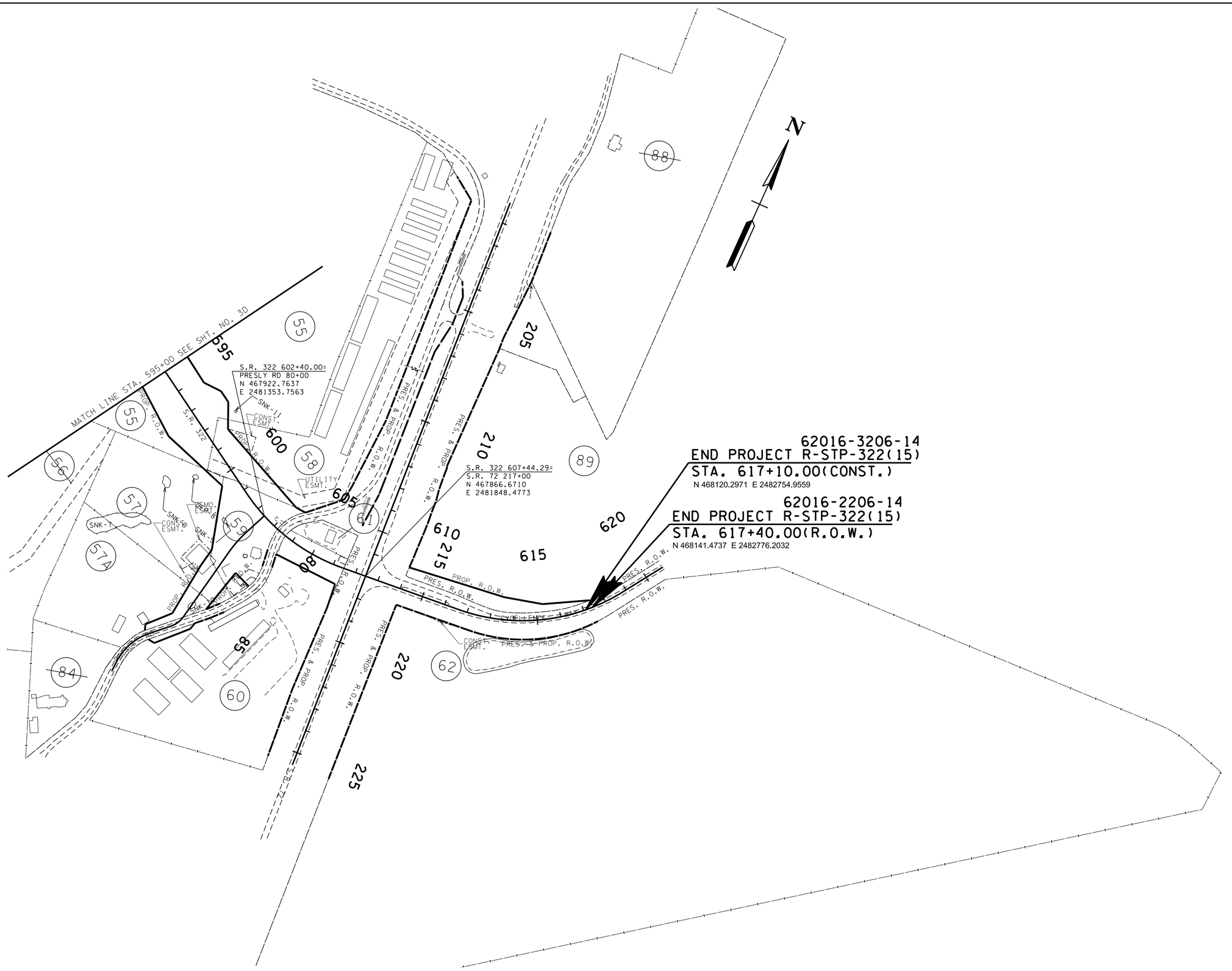
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	3C
PS&E	2026	R-STP-322(15)	3E

REV. 04-04-24: TRACT 59 INCREASED ROW; TRACT 57 ADDED TCE FOR DEMO; TRACT 57A ADDED SEPTIC; TRACT 58 ADDED FEATURES; TRACT 59 INCREASED ROW.

REV. 01-20-26: TRACT 58: ADDED DRIVEWAY.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 559+00 TO STA. 619+50

SCALE: 1"=200'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	4
PS&E	2026	R-STP-322(15)	4

REV. 04-04-24: TRACT 3 NEW OWNER.

REV. 12-10-24: TRACT 1 NEW OWNER.

62016-2206-14
BEGIN PROJECT R-STP-322(15)
STA. 500+41.07 (R.O.W.)
N 471725.8505 E 2473024.3864

62016-3206-14
BEGIN PROJECT R-STP-322(15)
STA. 501+25.00 (CONST.)
N 471642.0100 E 2473028.2608

N 472000 E 2473500
N 471500 E 2473500
N 472000 E 2473000
N 471000 E 2473000

500
505

① CHELSEY WARD AND HUSBAND, PARKER WARD

② KADEN MCKEWON ET AL

③ SAMUEL SELF AND WIFE, EVELYN SELF

④ KAREN WHITE BURKE AND HUSBAND, DENNIS CRAIG BURKE

S.R. 322
PI 503+64.19
N 471,403.0750
E 2,473,039.3024
Δ 28° 56′ 00″ (LT)
D 7° 00′ 00″
R 819.02
L 413.33
T 211.30
SE 0.080 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 240

S2°38'45"E
114′ CONC BRIDGE TO REMAIN
BRIDGE (62524300001)
END OF MARKING
RW
SHEPPARD RD
FN-GROUND
FN-TREE
EIP PIPE
EIP RT
EIP
CEDAR
STR-1, PER
STR-2, PER
PROP. R.O.W.
PRES. R.O.W.
CONST. ESMT.
SLOPE ESMT.
PROP. CONST. ESMT.
1-FR-RES PROP.
GRASS
WIRE FENCE
CONC. DITCH
TO BE REMOVED
FILL
CUT
CURVE
LAST MARK
ANGLE IRON
SR322
22" ASP
S 31° 34′ 45" E
INV-853.87
INV-853.60
INV-855.18
INV-855.29
INV-855.39
INV-855.49
INV-855.59
INV-855.69
INV-855.79
INV-855.89
INV-855.99
INV-856.09
INV-856.19
INV-856.29
INV-856.39
INV-856.49
INV-856.59
INV-856.69
INV-856.79
INV-856.89
INV-856.99
INV-857.09
INV-857.19
INV-857.29
INV-857.39
INV-857.49
INV-857.59
INV-857.69
INV-857.79
INV-857.89
INV-857.99
INV-858.09
INV-858.19
INV-858.29
INV-858.39
INV-858.49
INV-858.59
INV-858.69
INV-858.79
INV-858.89
INV-858.99
INV-859.09
INV-859.19

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	4A
PS&E	2026	R-STP-322(15)	4A

REV. 12-10-24: TRACT 1: NEW OWNER.

62016-2206-14
BEGIN PROJECT R-STP-322(15)
STA. 500+41.07 (R.O.W.)
N 471725.8505 E 2473024.3864

62016-3206-14
BEGIN PROJECT R-STP-322(15)
STA. 501+25.00 (CONST.)
N 471642.0100 E 2473028.2608

500

505

① CHELSEY WARD AND HUSBAND, PARKER WARD

② KADEN MCKEWON ET AL

③ SAMUEL SELF AND WIFE, EVELYN SELF

④ KAREN WHITE BURKE AND HUSBAND, DENNIS CRAIG BURKE

SR322

114' CONC BRIDGE TO REMAIN

MATCH LINE STA. 509+00 SEE SHT. NO. 5A

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-111	471368.174	2473090.531	855.789	504+08.60	10.42' (LT)

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 500+41.07 TO STA. 509+00

SCALE: 1"= 50'

2/24/2026 9:58:39 AM
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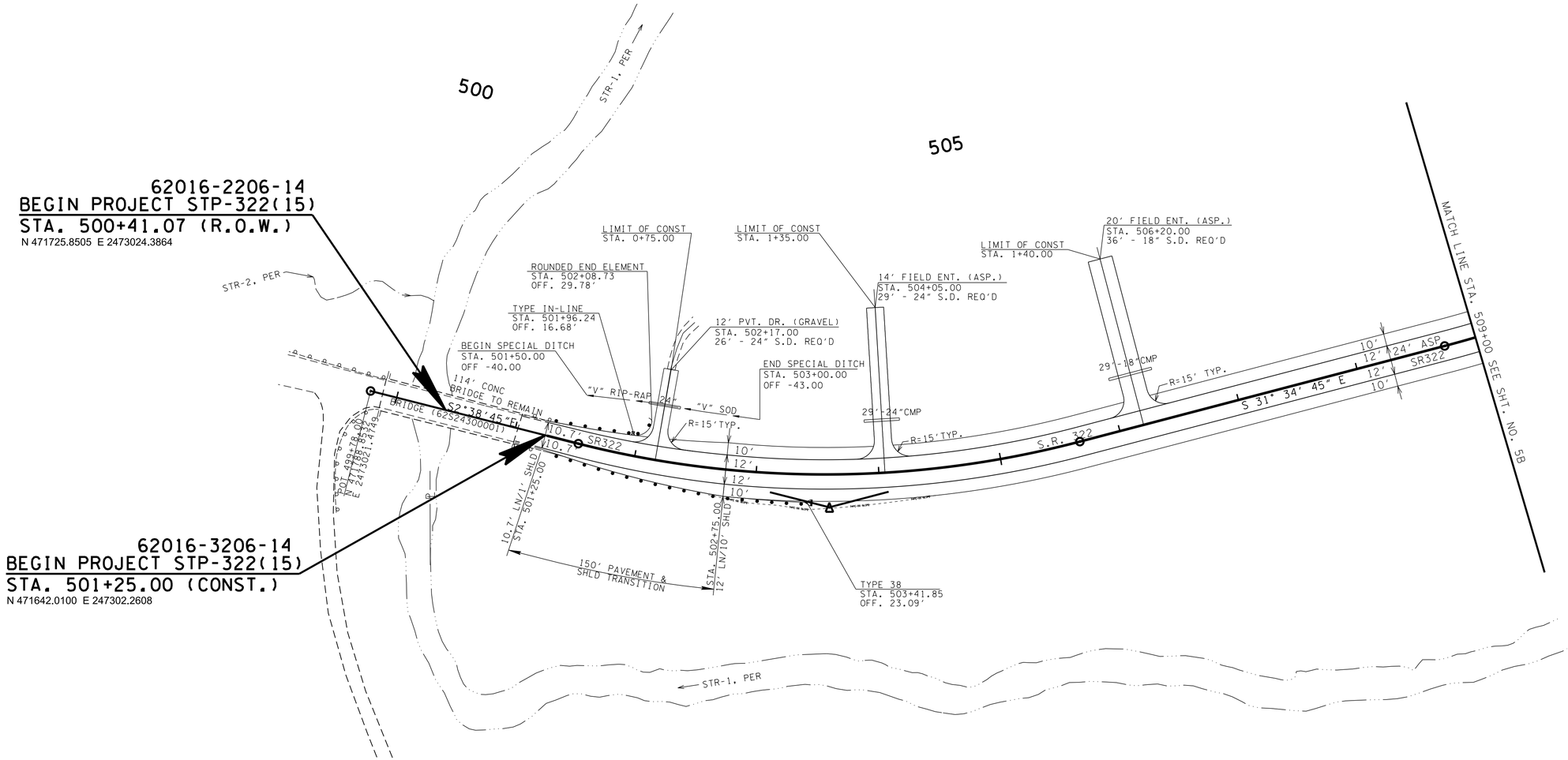
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	4B
PS&E	2026	R-STP-322(15)	4B

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
SR 322		
501+25.00	-1.49	-0.47
501+37.14	-2.00	
501+83.81	-2.00	2.00
503+26.67	-8.00	8.00
504+46.22	-8.00	8.00
506+86.22		-2.00
505+90.22	-2.00	-2.00
508+51.07	-2.00	-2.00
507+54.78		-2.00
509+93.11	-7.90	7.90



SEE SHEET 4C FOR SR-322 PROFILE

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

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 500+41.07 TO STA. 509+00.00

SCALE: 1"= 50'

2/24/2026 9:58:40 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	4C
PS&E	2026	R-STP-322(15)	4C

62016-2206-14
BEGIN PROJ. NO. R-STP-322(15)
STA. 500+41.07 (R.O.W.)
N.471725.8505
E.2473024.3864

62016-3206-14
BEGIN PROJ. NO. R-STP-322(15)
STA. 501+25.00 (CONST.)
N.471642.0100
E.2473028.2608

570'
K = 96

VPC 502+90.00
EL. 856.07

VPI 508+60.00
EL. 875.74

VPI 501+25.00
EL. 855.25

FINISHED GRADED

6.40%

0.50%

EXISTING GRADE

VPI 505+75.00
EL. 857.50

5.8%

V RIP-RAP

0.7%

V SOD

BEGIN SPECIAL RIPRAP V DITCH
STA 501+50.00
OFF. 40.00 LT.
ELEV. 847.54

F.L. SPECIAL DITCH LT.

END SPECIAL SOD V DITCH
STA 503+00.00
OFF. 43.00' LT.
ELEV. 851.11

S.R. 322

915 910 905 900 895 890 885 880 875 870 865 860 855 850 845 840 835 830 825 820

500+00 501+00 502+00 503+00 504+00 505+00 506+00 507+00 508+00 509+00

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
111925
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 500+41.07 TO STA. 509+00

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

2/24/2026 9:58:43 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	5
PS&E	2026	R-STP-322(15)	5

REV. 04-04-24:TRACT 8 ADDED TCE FOR DEMO.

REV. 07-03-24: TRACT 10,13: NEW OWNER; TRACT 8006: ADDED.

S.R. 322
PI 513+78.70
N 470,530.8911
E 2,473,575.4368
Δ 59° 34′ 02″ (LT)
D 6° 30′ 00″
R 881.95
L 916.42
T 504.76
SE 0.079 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 238

S.R. 322 513+30.00=
OAK GROVE RD 10+00
N 470649.7343
E 2473637.8791

OAK GROVE RD.
PI 11+58.42
N 470,510.8751
E 2,473,561.6128
Δ 27° 20′ 34″ (LT)
D 10° 00′ 00″
R 572.96
L 273.43
T 139.37
SE 0.060 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 145

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-112	470510.277	2473580.723	904.059	513+44.56	149.89′ (RT)
62-322-113	470533.343	2474147.315	888.784	518+57.41	8.99′ (RT)

EXISTING PAVEMENT TO BE SCARIFIED, OBLITERATED, RESHAPED, TOPSOILED AND SEEDED.

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
111992
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 509+00 TO STA. 522+00

SCALE: 1"=50'

2/24/2026 9:58:44 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	5A
PS&E	2026	R-STP-322(15)	5A

REV. 07-27-23: ADDED STA./OFF. LABELING ON TRACT 6.

REV.07-03-24: TRACT 8006: ADDED.

REV. 12-10-24: TRACT 8: UPDATED CALLS.

SAMUEL SELF AND WIFE, EVELYN SELF ③

TOMMY LEE BLANKENSHIP ⑤

CURTIS S. BREWSTER AND WIFE, TERESA D. BREWSTER ⑥

RUBY A. MCCLEMORE ⑩

RUBY MCLEMORE ⑬

KAREN WHITE BURKE AND HUSBAND, DENNIS CRAIG BURKE ④

JAMES T. MORRIS AND WIFE, MARGARET I. COOPER ⑦

~~JAMES T. MORRIS AND WIFE, MARGARET I. COOPER~~ ⑨

~~REBA J. CARMLEY~~ 63

CHARLES R. HALL AND WIFE, HELEN A. HALL ⑧

CHARLES R. HALL AND WIFE, HELEN ANN HALL ⑪

CHARLES R. HALL AND WIFE, HELEN A. HALL ⑫

LOIS H. CRAIG 15

S.R. 322 513+30.00= OAK GROVE RD 10+00
N 470649.7343
E 2473637.8791

POT 14+00.00
N 470264.0672
E 2473555.4327

LOSS OF ACCESS

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-112	470510.277	2473580.723	904.059	513+44.56	149.89' (RT)
62-322-113	470533.343	2474147.315	888.784	518+57.41	8.99' (RT)

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
No. 111932
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 509+00 TO STA. 522+00

SCALE: 1"= 50'

2/24/2026 9:58:46 AM
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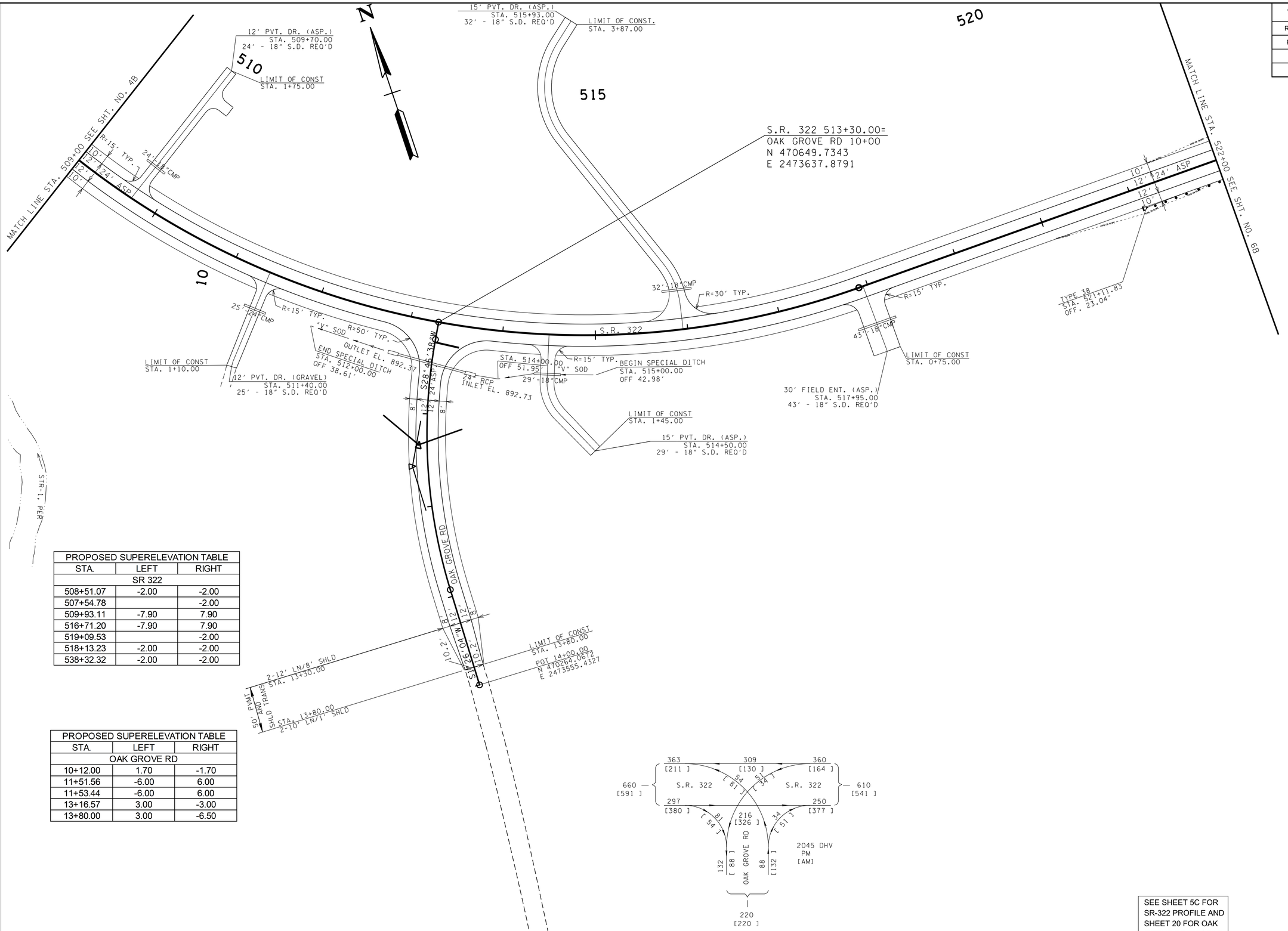
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	5B
PS&E	2026	R-STP-322(15)	5B



STR-1, PER

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
SR 322		
508+51.07	-2.00	-2.00
507+54.78		-2.00
509+93.11	-7.90	7.90
516+71.20	-7.90	7.90
519+09.53		-2.00
518+13.23	-2.00	-2.00
538+32.32	-2.00	-2.00

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
OAK GROVE RD		
10+12.00	1.70	-1.70
11+51.56	-6.00	6.00
11+53.44	-6.00	6.00
13+16.57	3.00	-3.00
13+80.00	3.00	-6.50

SEE SHEET 5C FOR SR-322 PROFILE AND SHEET 20 FOR OAK GROVE RD. PROFILE.

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 509+00 TO STA. 522+00

SCALE: 1"= 50'

2/24/2026 9:58:48 AM
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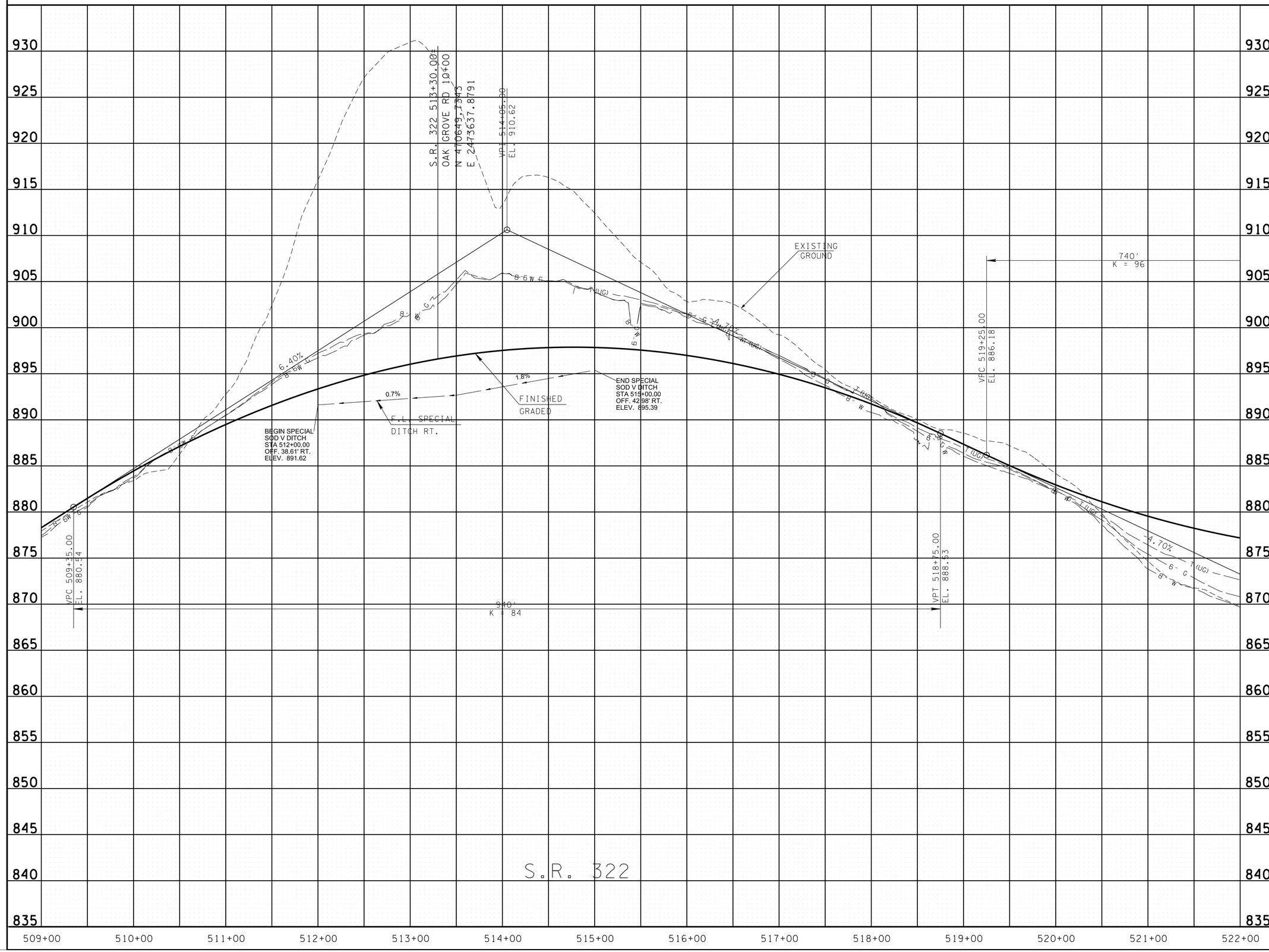
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	5C
PS&E	2026	R-STP-322(15)	5C



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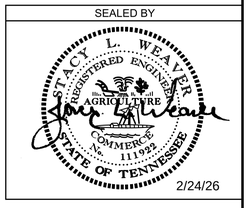

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 509+00 TO STA. 522+00

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

2/24/2026 9:58:50 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	6
PS&E	2026	R-STP-322(15)	6

REV. 04-04-24: TRACT 18 UPDATED FEATURES.
REV. 07-03-24: TRACT 14,16: NEW OWNER.
REV. 12-10-24: TRACT 17: ADDED WELL.

N

E 2474500
N 471000

E 2475000
N 471000

E 2475500
N 471000

E 2474500
N 470500

E 2475000
N 470500

E 2475500
N 470500

10
RUBY A. MCCLEMORE

14
DELORES D. HARRILL

10
RUBY A. MCCLEMORE

525

530

535

18
BRIAN SCOTT MILLS

67
ALBERT F. HUNT AND WIFE PEARL L. HUNT

2/FR/RES

2/BR/RES

1-F-RES

SHED
SHED

POND

PROP. CONST. ESMT.

PRES. R.O.W.

PROP. R.O.W.

PROP. 18" C.M.P.

CHAINLINK

42" JAPANESE MAPLE

24"

18"

EIP
IRON PIPE/

EIP
CONC

PC 20+51.18

POI 471106.1956
2475362.5581

S15°24'57"W

10" CONC

6"

12"

R=15 TYP.

15" CONC

12" CMP

PROP. CONST. ESMT.

HENDRIX LOOP
PI 23+20.72
N 470,875.2879
E 2,475,093.2493
Δ 50° 32′ 50″ (LT)
D 10° 15′ 00″
R 558.98
L 493.14
T 263.91
SE 0.061 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 150

PERM. DRAINAGE ESMT.

PERM. DRAINAGE ESMT.

FILL

FILL

FILL

PROP. R.O.W.

PROP. R.O.W.

PROP. R.O.W.

GRASS

CUT

PT 25+49.95

S1°08'47"E

HENDRIX LOOP 18' ASP

C.L.

N88°51'13"F

24" CEDAR

24" CEDAR

MATCH LINE STA. 522+00 SEE SHT. NO. 5

MATCH LINE STA. 535+00 SEE SHT. NO. 7

PRES. R.O.W.

8" W

INV-865.83

REMOVE 10 FT. AND PLUG AND FILL REMAINDER

INV-865.99

INV-874.52

INV-876.31

INV-876.82

INV-878.33

TO BE REMOVED

TO BE PLUGGED AND ABANDONED

TO BE REMOVED

INV-880.45

AZO' ASP.

SR322

TOP-879.88

INV-879.38

INV-879.88

CUT

FILL

P/T/C

PRES. R.O.W.

62-322-114

PROP. R.O.W.

PROP. CONST. ESMT.

GRASS

S.R. 322 528+10.00=
HENDRIX LOOP 26+00
N 470561.3894
E 2475099.5306

DECK

I-F-RES

LP TANK

WELL

WELL

PROP. CONST. ESMT.

PROP. CONST. ESMT.

PROP. CONST. ESMT.

PROP. CONST. ESMT.

13
RUBY MCLEMORE

15
LOIS H. CRAIG AND HUSBAND FLOYD CRAIG

16
KATHERINE S. FISHER
F/K/A
KATHERINE S. BENSON

17
FREDDIE LEE COOPER

20
GERALD GLEN BARNHART AND WIFE, JEANETTE BARNHART

19
THOMAS M. TRUPIANO AND WIFE, PENNY TRUPIANO

NOTE: TRACT 16: AVOID DAMAGE TO THE FIELD LINES. REPAIRS TO BE MADE AT THE CONTRACTOR'S EXPENSE.

DRAINAGE EASEMENT

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-114	470516.926	2475362.405	892.125	530+71.93	49.71′ (RT)

SEALED BY

TRACY L. WEAVER
REGISTERED ENGINEER
No. 111932
STATE OF TENNESSEE
2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 522+00 TO STA. 535+00

SCALE: 1"=50'

2/24/2026 9:58:52 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	6A
PS&E	2026	R-STP-322(15)	6A

REV. 07-27-23: REVISED BEAR./DIST. LABEL FOR PROP. R.O.W. NEAR STA. 23+50 LT. ON HENDRIX LOOP.

REV. 07-03-24: TRACT 14,16: NEW OWNER.

N

(14) DELORES D. HARRILL

(10) RUBY A. MCCLEMORE

(67) ~~ALBERT F. HUNT AND WIFE PEARL L. HUNT~~

(18) BRIAN SCOTT MILLS

(13) RUBY MCLEMORE

(15) LOIS H. CRAIG AND HUSBAND FLOYD CRAIG

(16) KATHERINE S. FISHER F/K/A KATHERINE S. BENSON

(17) FREDDIE LEE COOPER

(19) THOMAS M. TRUPIANO AND WIFE, PENNY TRUPIANO

(20) GERALD GLEN BARNHART AND WIFE, JEANETTE BARNHART

525 530 535

MATCH LINE STA. 522+00 SEE SHT. NO. 5A

MATCH LINE STA. 535+00 SEE SHT. NO. 7A

SR322

HENDRIX LOOP

PRES. R.O.W.

PROP. R.O.W.

PROP. CONST. ESMT.

PERM. DRAINAGE ESMT.

EIP

EIP IRON PIPE

CONC

PC

PT

PI

YT

S.R. 322 528+10.00=
HENDRIX LOOP 26+00
N 470561.3894
E 2475099.5306

POI
N 470562.1566
E 2475099.5306

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-114	470516.926	2475362.405	892.125	530+71.93	49.71' (RT)

DRAINAGE EASEMENT

SEALED BY

STACY L. WEAVER REGISTERED ENGINEER No. 111932 STATE OF TENNESSEE DEPARTMENT OF AGRICULTURE COMMERCE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 522+00 TO STA. 535+00

SCALE: 1"= 50'

2/24/2026 9:58:54 AM
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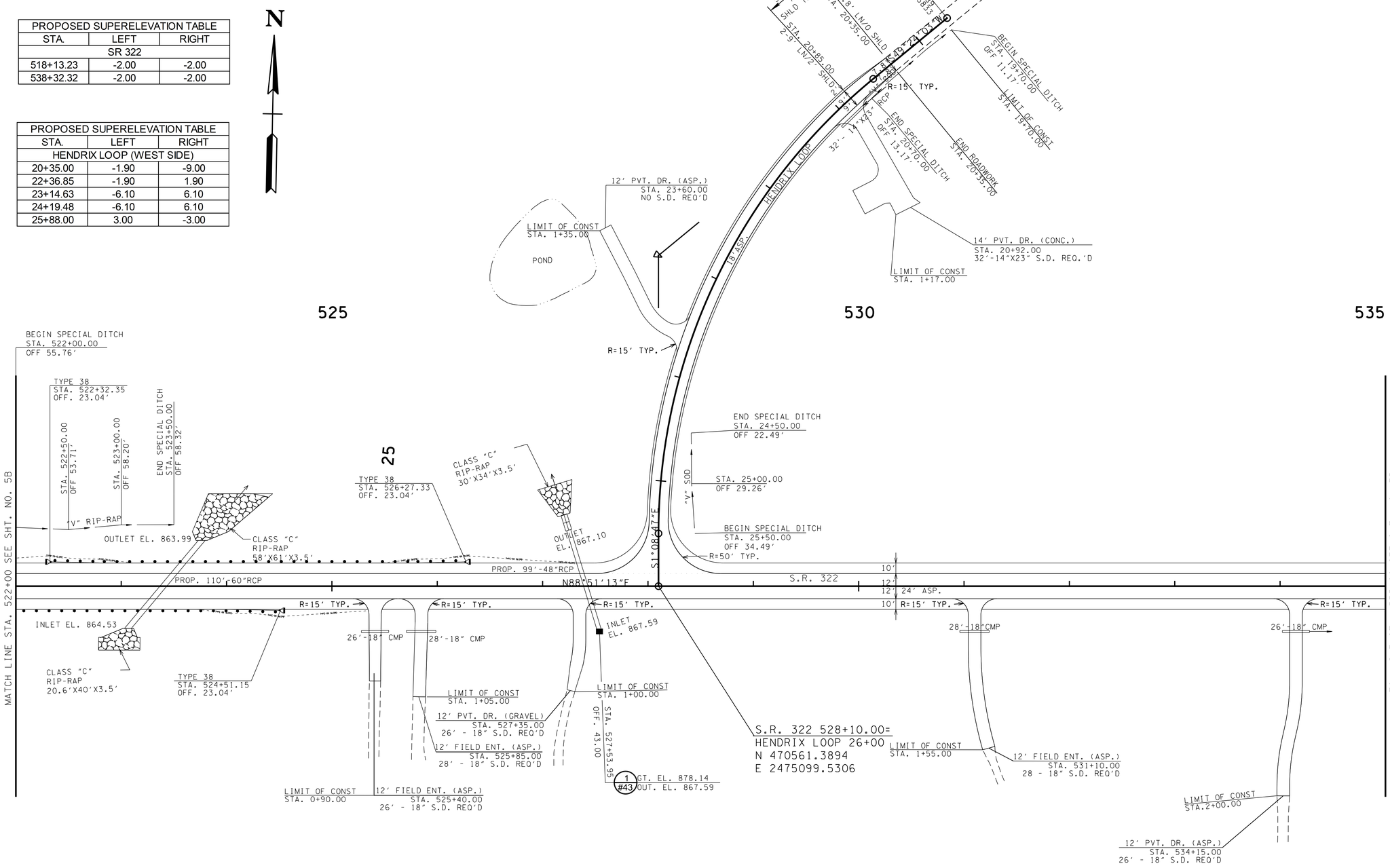
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	6B
PS&E	2026	R-STP-322(15)	6B

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
SR 322		
518+13.23	-2.00	-2.00
538+32.32	-2.00	-2.00

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
HENDRIX LOOP (WEST SIDE)		
20+35.00	-1.90	-9.00
22+36.85	-1.90	1.90
23+14.63	-6.10	6.10
24+19.48	-6.10	6.10
25+88.00	3.00	-3.00



SEE SHEET 6C FOR SR-322 PROFILE AND SHEET 21 FOR HENDRIX LOOP PROFILE.

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111921
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 522+00 TO STA. 535+00

SCALE: 1"= 50'

2/24/2026 9:58:55 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	6C
PS&E	2026	R-STP-322(15)	6C

740'
K = 96

VPT 526+65.00
EL. 879.89

S.R. 322 528+10.00=
HENDRIX LOOP 26+00
N 470561.3894
E 2475099.5306

VPI 530+70.00
EL. 892.04

680'
K = 97

VPC 533+65.00
EL. 883.19

EXISTING GRADE

EXISTING GRADE

FINISHED GRADE

3.00%

3.00%

BEGIN SPECIAL RIP-RAP V DITCH
STA 522+00.00
OFF. 55.76' LT.
ELEV. 871.23

8.4%

5.0%

1.0%

F.L. SPECIAL DITCH LT.

VPI 522+95.00
EL. 868.79

END SPECIAL RIP-RAP V DITCH
STA 523+50.00
OFF. 58.32' LT.
ELEV. 864.00

STA. 523+40.00
PROP. 60" CMP
SKEW 50°00'00" LT.
FLOWS LEFT
INLET 864.53
OUTLET 863.99

TO BE REMOVED
STA. 523+32.04
EXIST. 60" CMP
SKEW 88°40'40" RT
FLOWS LEFT
INLET 865.99
OUTLET 865.83

STA. 527+41.00
EXIST. 45'-48" RCP
EXT. 42'-48" RCP
SKEW 89°15'45" RT
FLOWS LEFT
INLET 874.43
OUTLET 873.79

VPC 528+15.00
EL. 884.39

510'
K = 85

VPT 533+25.00
EL. 884.39

S.R. 322

522+00 523+00 524+00 525+00 526+00 527+00 528+00 529+00 530+00 531+00 532+00 533+00 534+00 535+00

925 920 915 910 905 900 895 890 885 880 875 870 865 860 855 850 845 840 835 830

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STACY L WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111932
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 522+00 TO STA. 535+00

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	7
PS&E	2026	R-STP-322(15)	7

REV. 04-04-24: TRACT 75 NEW OWNER; TRACT 21 ADDED TCE FOR DEMO & NEW OWNER; TRACT 23 NEW OWNER;TRACT 25 & 27 NEW OWNER.

REV. 07-03-24: TRACT 24: ADDED TCE FOR DEMO.

N

535

545

67 ~~ALBERT F. HUNT AND WIFE PEARL L. HUNT~~

68 ~~LLOYD WILLIAM MILLS~~

18 BRIAN SCOTT MILLS

540

21 TAMMY SUE GENTRY CLARK

23 TAMMY SUE GENTRY CLARK

26 JAMES R. WOEBER AND WIFE, KATHY E. WOEBER

20 GERALD GLEN BARNHART AND WIFE, JEANETTE BARNHART

22 CHAD CHAMBERS AND WIFE, ASHLEY CHAMBERS

24 RANDY D. WATKINS AND WIFE, LISA L. WATKINS

25 FREDDIE LEE COOPER

TO BE BACKFILLED WITH FLOWABLE FILL OUTSIDE OF PROPOSED 30" PIPE

27 FREDDIE LEE COOPER

69 KELLEY SUZANNE MCKINNON AND STEPHEN TRENT BELL

75 KAREN A. KUSKE, TRUSTEE OF THE KAREN A. KUSKE LIVING TRUST

28

MATCH LINE STA. 535+00 SEE SHT. NO. 6

MATCH LINE STA. 548+00 SEE SHT. NO. 8

PERM. DRAINAGE ESMT.

PROP. R.O.W.

PROP. CONST. ESMT.

DEMO ESMT.

SHED

1-F-MH

BARN

1-F-RES.

DECK

GRASS

FILL

CUT

PRES. R.O.W.

WWC-2/UDF-1 TO BE PLUGGED AND ABANDONED

WWC-2/UDF-2

GAS SHOWN AS MARKED

WIRE

8" W

8" HICKORY

4X6 CULVERT

TO BE REMOVED

20' ASP SR322

INV-865.75

INV-868.53

INV-884.48

INV-884.66

INV-894.37

INV-896.86

INV-884.88

INV-885.29

INV-877.14

INV-879.54

62-322-115

62-322-116

PC 538+45.61

PT 541+03.57

PC 30+85.31

PT 32+51.10

PT 75° 57' 22" E

S 39° 02' 26" W

S 50° 20' 44" E

CANDI LANE

S.R. 322
PI 539+75.18
N 470,584.7009
E 2,476,264.4762
Δ 12° 53' 51" (LT)
D 5° 00' 00"
R 1,146.28
L 257.95
T 129.56
SE 0.071 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 220

CANDI LANE
PI 34+21.97
N 470,372.2629
E 2,476,779.3756
Δ 45° 23' 10" (LT)
D 24° 00' 00"
R 238.73
L 189.11
T 99.83
SE 0.020 FT/FT
DESIGN SPEED 20 MPH

CANDI LANE
PI 31+76.45
N 470,574.3656
E 2,476,943.2719
Δ 53° 05' 04" (RT)
D 32° 00' 00"
R 179.05
L 165.85
T 89.44
SE 0.020 FT/FT
DESIGN SPEED 15 MPH

S.R. 322 546+30.00=
CANDI LANE 30+00
N 470743.8899
E 2476900.8664

N 470500 E 2476000

N 471000 E 2476500

N 471000 E 2477000

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-115	470546.789	2476214.167	880.704	538+70.40	39.50' (RT)
62-322-116	470642.706	2476623.920	895.933	543+36.78	30.95' (RT)

SEALED BY

STACY L. WEAVER REGISTERED ENGINEER No. 119024 AGRICULTURE COMMERCE STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 535+00 TO STA. 548+00

SCALE: 1"=50'

DRAINAGE EASEMENT

2/24/2026 9:58:58 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	7A
PS&E	2026	R-STP-322(15)	7A

REV. 07-27-23: REVISED BEAR./DIST. LABELS SOUTH OF CANDI LANE.

REV. 07-03-24: TRACT 24: ADDED TCE FOR DEMO.

N

535

545

547

S.R. 322 546+30.00=
CANDI LANE 30+00
N 470743.8899
E 2476900.8664

67 — ALBERT F. HUNT AND WIFE PEARL L. HUNT

68 — LLOYD WILLIAM MILLS

18 — BRIAN SCOTT MILLS

21 — TAMMY SUE GENTRY CLARK

23 — TAMMY SUE GENTRY CLARK

26 — JAMES R. WOEBER AND WIFE, KATHY E. WOEBER

20 — GERALD GLEN BARNHART AND WIFE, JEANETTE BARNHART

24 — RANDY D. WATKINS AND WIFE, LISA L. WATKINS

25 — FREDDIE LEE COOPER

27 — FREDDIE LEE COOPER

28

22 — CHAD CHAMBERS AND WIFE, ASHLEY CHAMBERS

69 — KELLEY SUZANNE MCKINNON AND STEPHEN TRENT BELL

75 — KAREN A. KUSKE, TRUSTEE OF THE KAREN A. KUSKE LIVING TRUST

SR-322

MATCH LINE STA. 535+00 SEE SHT. NO. 6A

MATCH LINE STA. 548+00 SEE SHT. NO. 8A

PROP. R.O.W.

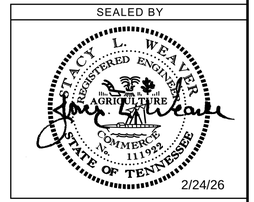
PROP. CONST. ESMT.

PERM. DRAINAGE ESMT.

DEMO ESMT.

12' DRAINAGE AND UTILITY EASEMENT

DRAINAGE EASEMENT



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 535+00 TO STA. 548+00

SCALE: 1"= 50'

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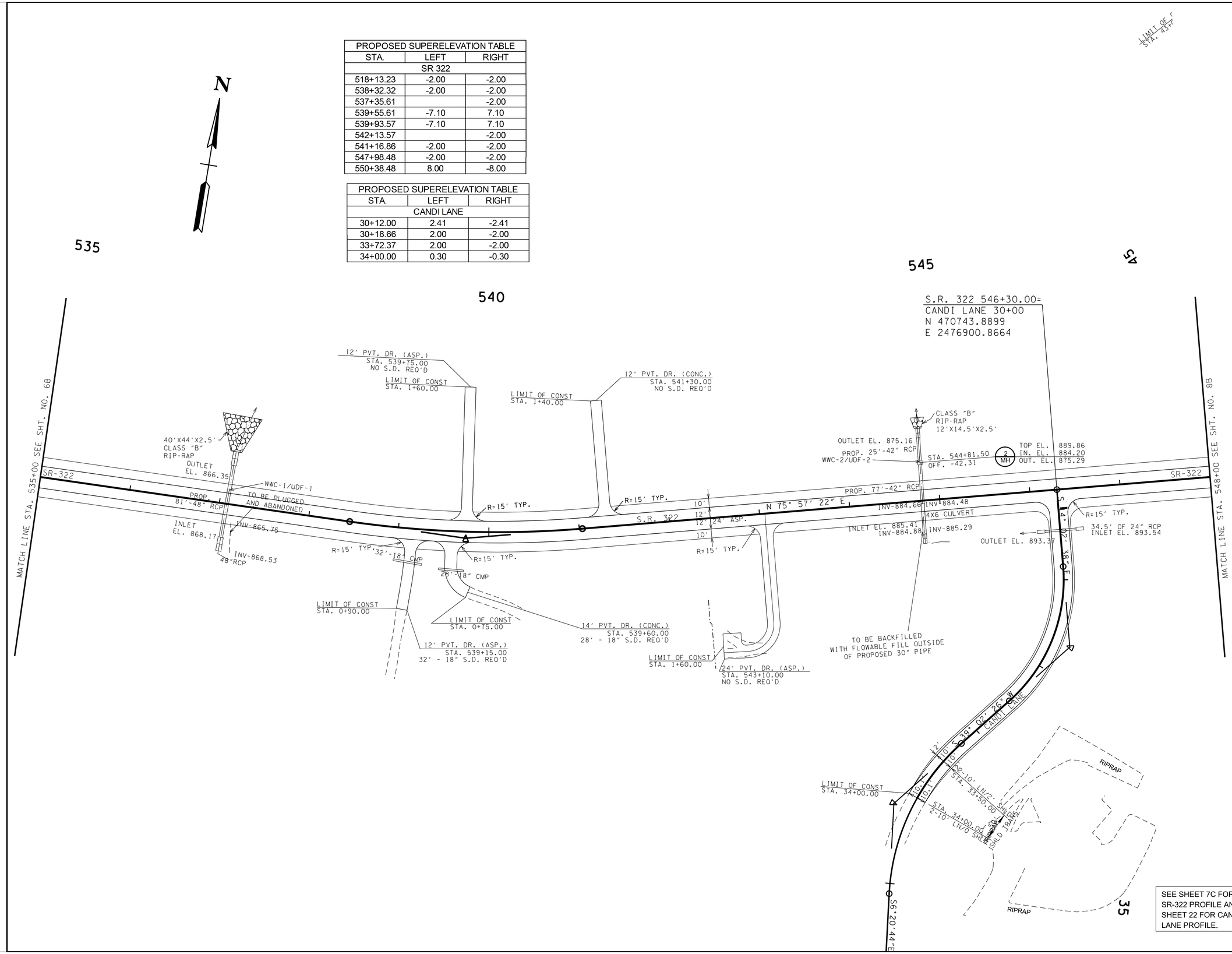
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	7B
PS&E	2026	R-STP-322(15)	7B

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
SR 322		
518+13.23	-2.00	-2.00
538+32.32	-2.00	-2.00
537+35.61		-2.00
539+55.61	-7.10	7.10
539+93.57	-7.10	7.10
542+13.57		-2.00
541+16.86	-2.00	-2.00
547+98.48	-2.00	-2.00
550+38.48	8.00	-8.00

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
CANDI LANE		
30+12.00	2.41	-2.41
30+18.66	2.00	-2.00
33+72.37	2.00	-2.00
34+00.00	0.30	-0.30



SEE SHEET 7C FOR SR-322 PROFILE AND SHEET 22 FOR CANDI LANE PROFILE.

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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 535+00 TO STA. 548+00

SCALE: 1"= 50'

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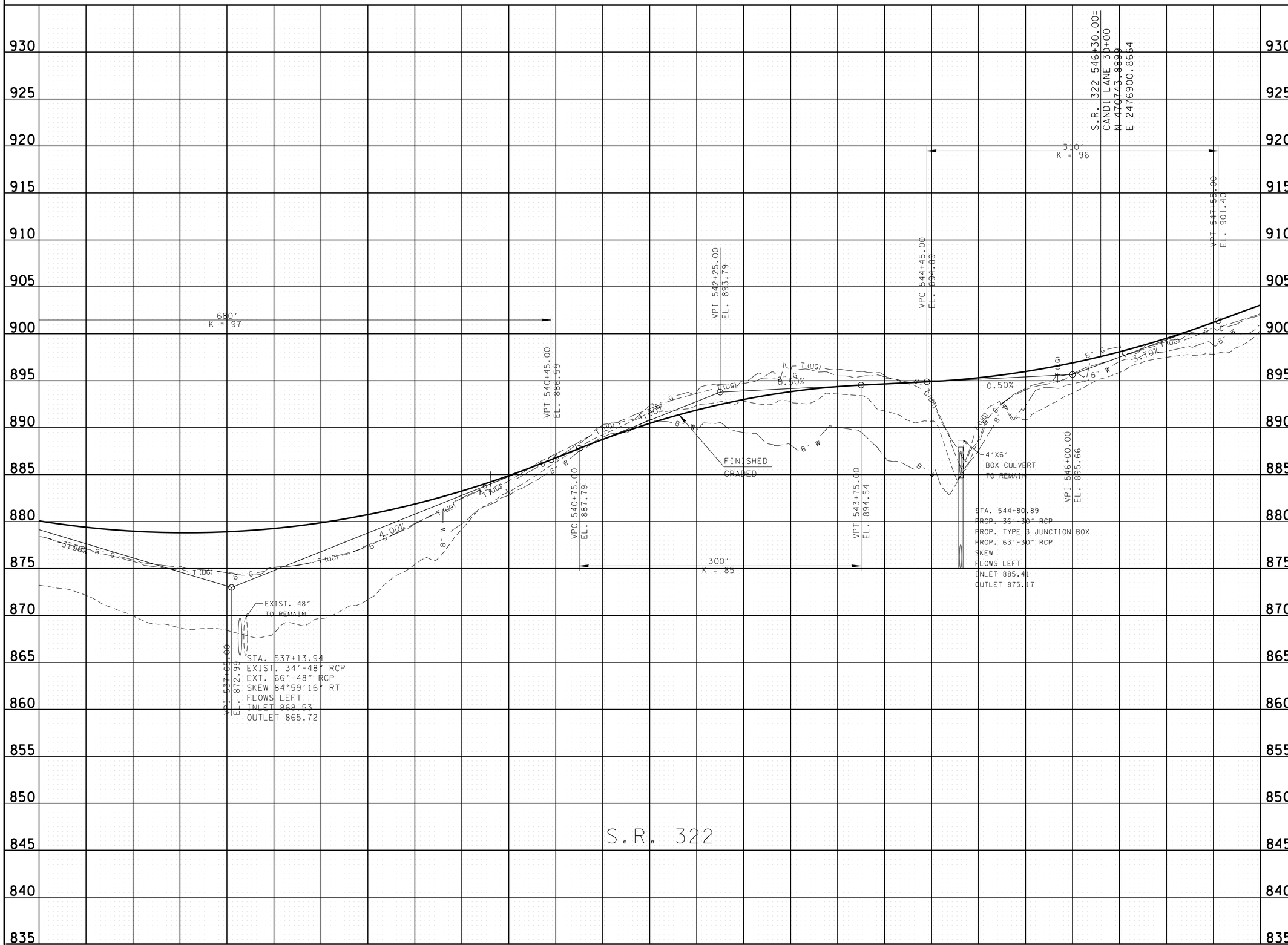
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	7C
PS&E	2026	R-STP-322(15)	7C



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REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED PROFILE

STA. 535+00 TO STA. 548+00

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

2/24/2026 9:59:03 AM
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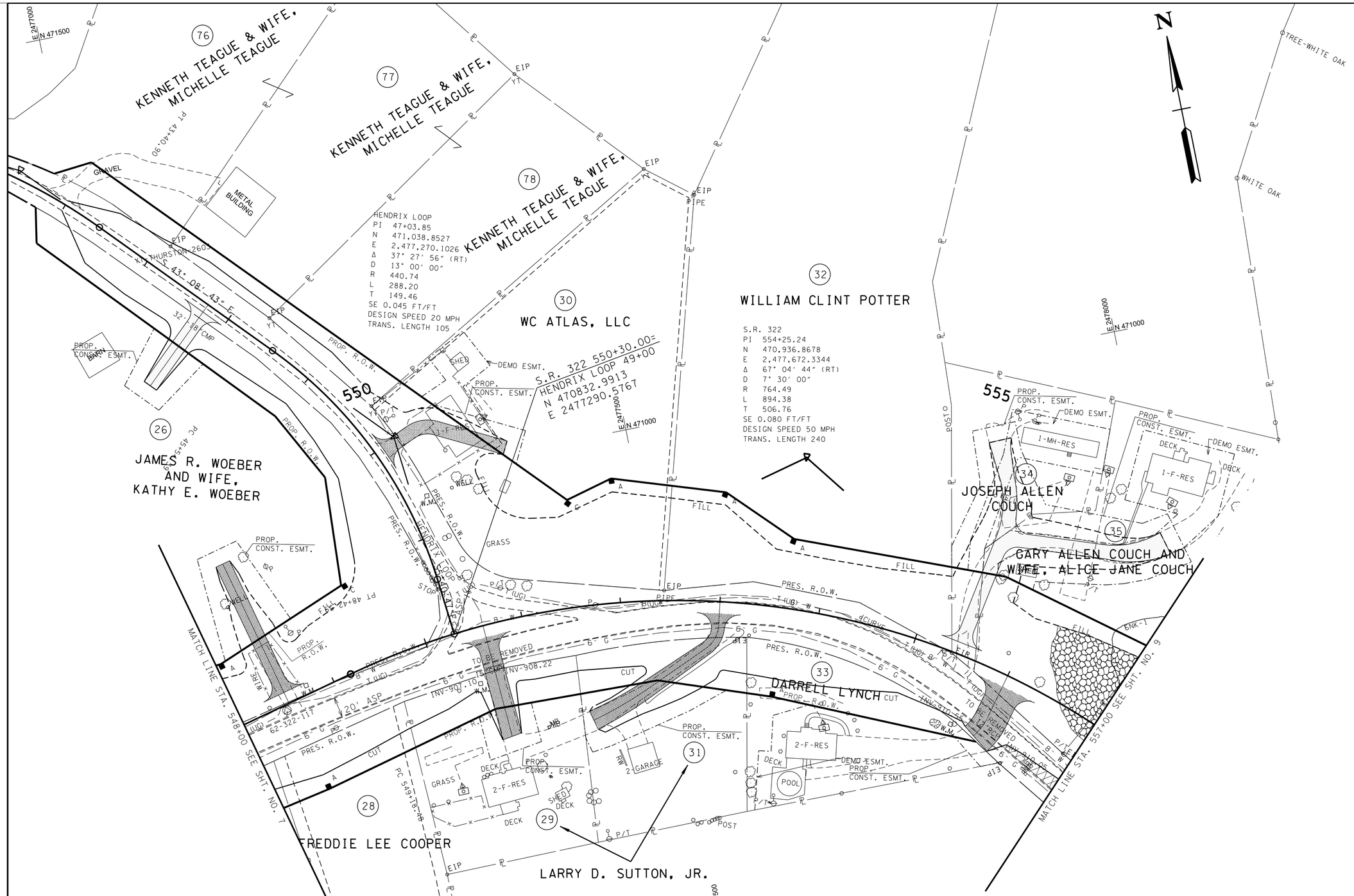
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	8
PS&E	2026	R-STP-322(15)	8

REV. 04-04-24: TRACT 77 & 78 NOW PART OF PARCEL 29.02; TRACT 28 NEW OWNER; TRACT 30 ADDED TCE AND DRIVEWAY; TRACT 34 & 35 UPDATED FEATURES.

REV. 07-03-24:TRACT 26: ADDED DRIVEWAY & TCE; TRACT 30: NEW OWNER; TRACT 32: REMOVED TCE; TRACT 33: ADDED TCE FOR DEMO.

REV. 08-15-24: TRACT 34 & 35: ADDED DEMO EASEMENT.

REV. 03-24-25: TRACT 76, 77: LOCATE DRIVEWAY AND BUILDING.



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-117	470790.735	2477110.884	904.475	548+45.11	5.52' (RT)

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, TOPSOILED, AND SODDED.

SEALED BY

STACY L. WEAVER REGISTERED ENGINEER IN AGRICULTURE COMMERCE & NRS 111922 STATE OF TENNESSEE

2/24/26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 548+00 TO STA. 557+00

SCALE: 1"=50'

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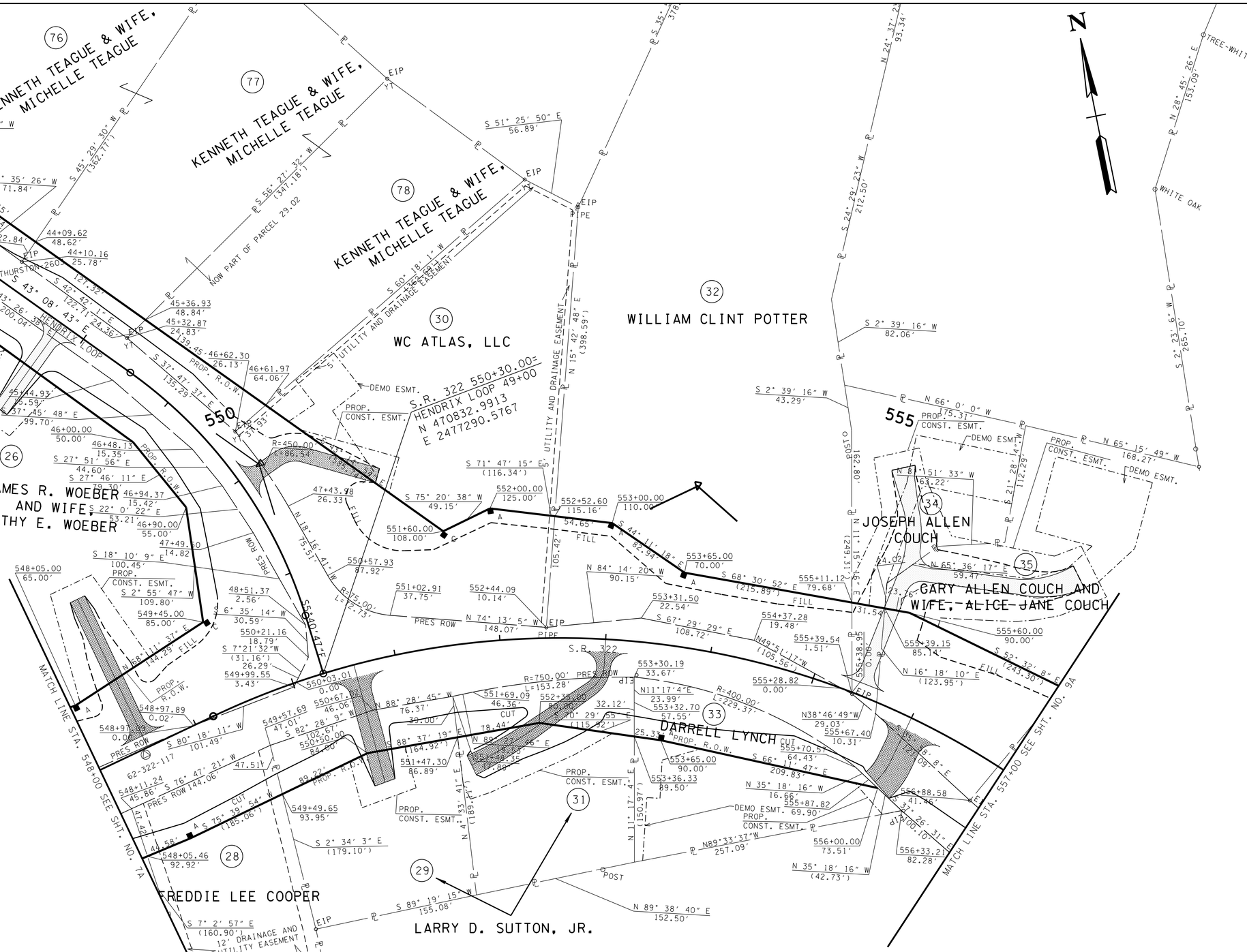
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	8A
PS&E	2026	R-STP-322(15)	8A

REV. 07-27-23: REVISED BEAR./DIST. LABELS ON HENDRIX LOOP LT. AND S.R. 322 RT.

REV. 07-03-24: TRACT 26: ADDED DRIVEWAY & TCE; TRACT 30: NEW OWNER; TRACT 32: REMOVED TCE; TRACT 33: ADDED TCE FOR DEMO.



CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-117	470790.735	2477110.884	904.475	548+45.11	5.52' (RT)

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 119929
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 548+00 TO STA. 557+00

SCALE: 1"= 50'

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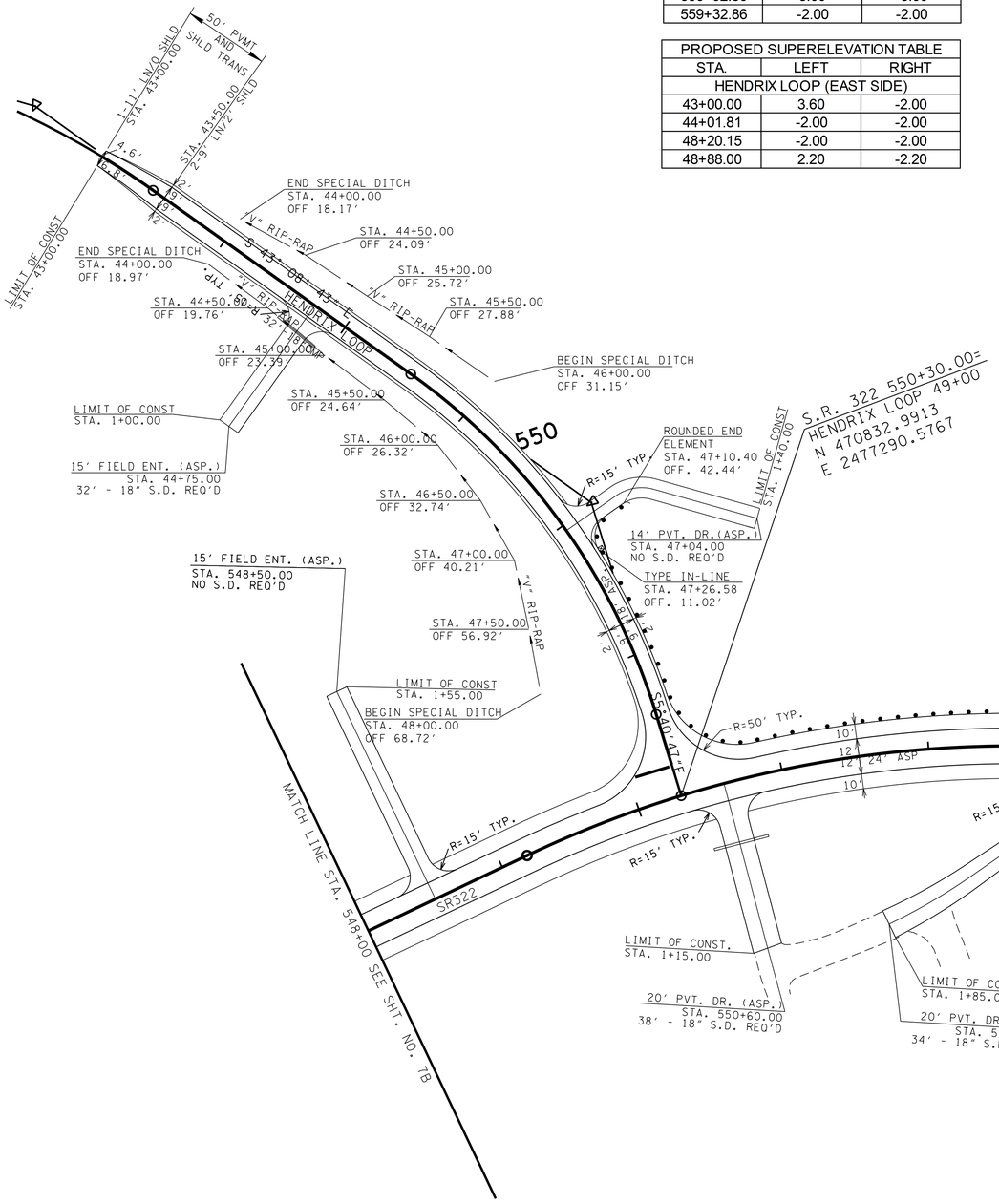
PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
SR 322		
547+98.48	-2.00	-2.00
550+38.48	8.00	-8.00
556+92.86	8.00	-8.00
559+32.86	-2.00	-2.00

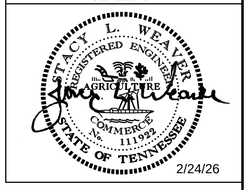
PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
HENDRIX LOOP (EAST SIDE)		
43+00.00	3.60	-2.00
44+01.81	-2.00	-2.00
48+20.15	-2.00	-2.00
48+88.00	2.20	-2.20

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	8B
PS&E	2026	R-STP-322(15)	8B



SEE SHEET 8C FOR SR-322 PROFILE AND SHEET 23 FOR HENDRIX LOOP PROFILE.

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 548+00 TO STA. 557+00

SCALE: 1"= 50'

2/24/2026 9:59:10 AM
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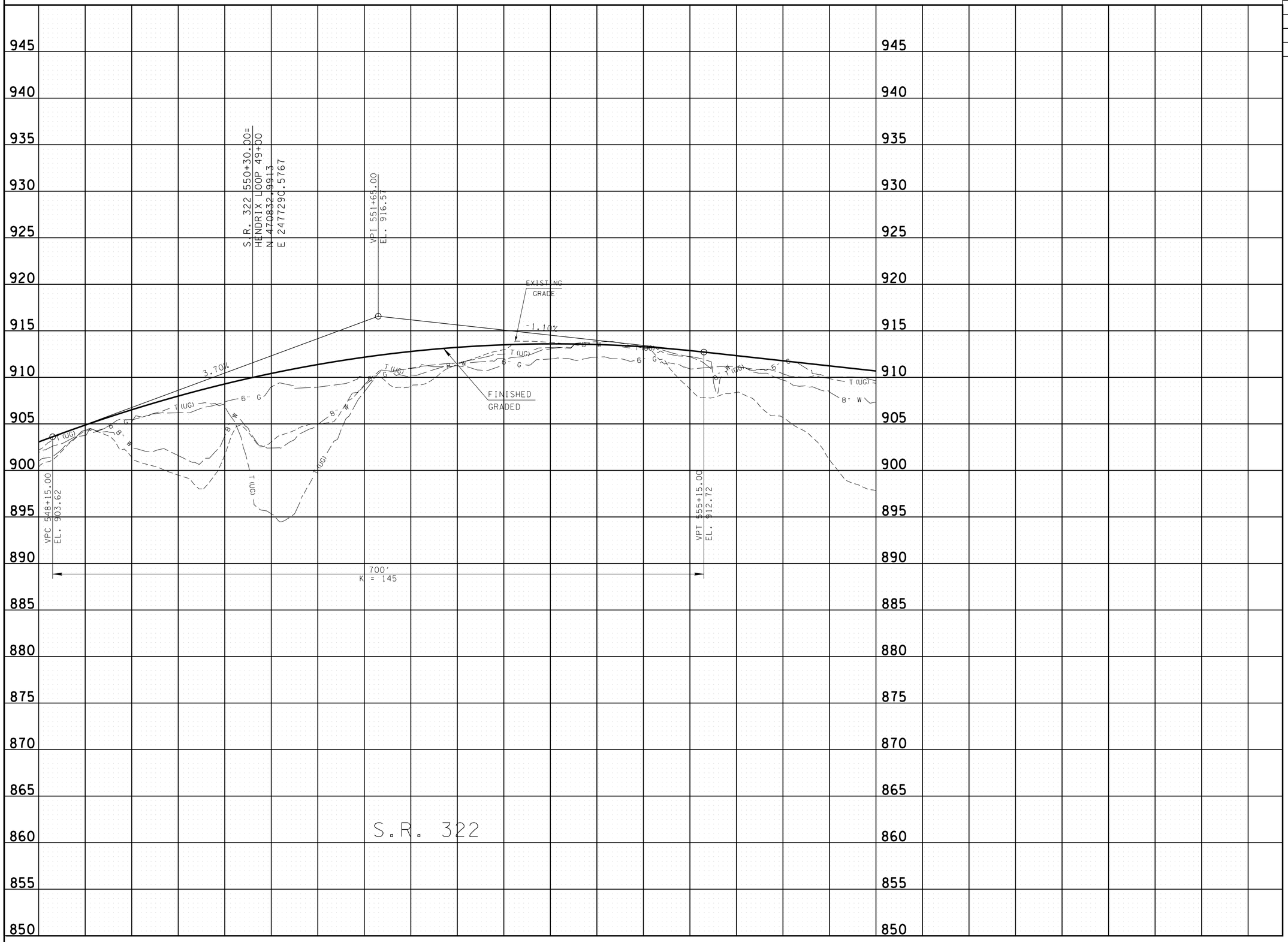
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	8C
PS&E	2026	R-STP-322(15)	8C



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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 548+00 TO STA. 557+00

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	9
PS&E	2026	R-STP-322(15)	9

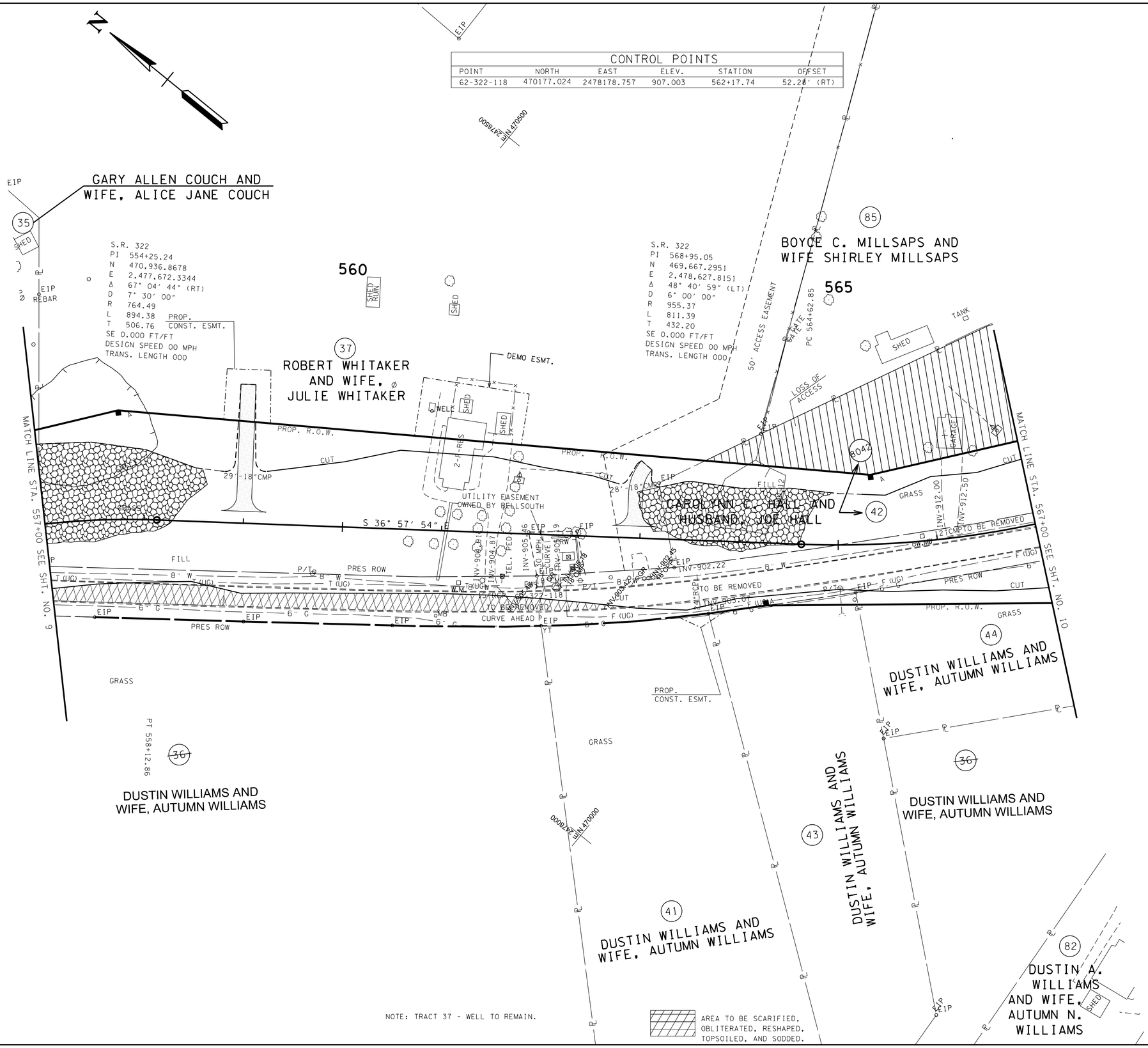
REV. 04-04-24: TRACT 36 NEW OWNER; TRACT 41 NEW OWNER;TRACT 37 ADDED TCE FOR DEMO.

REV. 07-03-24: TRACT 37: RELOCATED DRIVEWAY & ADDED SELL-OFF; TRACT 8042: ADDED.

REV. 12-10-24: TRACT 37: ADDED DRIVEWAY.

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-118	470177.024	2478178.757	907.003	562+17.74	52.28' (RT)



NOTE: TRACT 37 - WELL TO REMAIN.

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, TOPSOILED, AND SODDED.

SEALED BY

STACY L. WEAVER REGISTERED ENGINEER AGRICULTURE COMMERCE No. 111922 STATE OF TENNESSEE

2/24/26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 557+00 TO STA. 567+00

SCALE: 1"=50'

2/24/2026 9:59:13 AM
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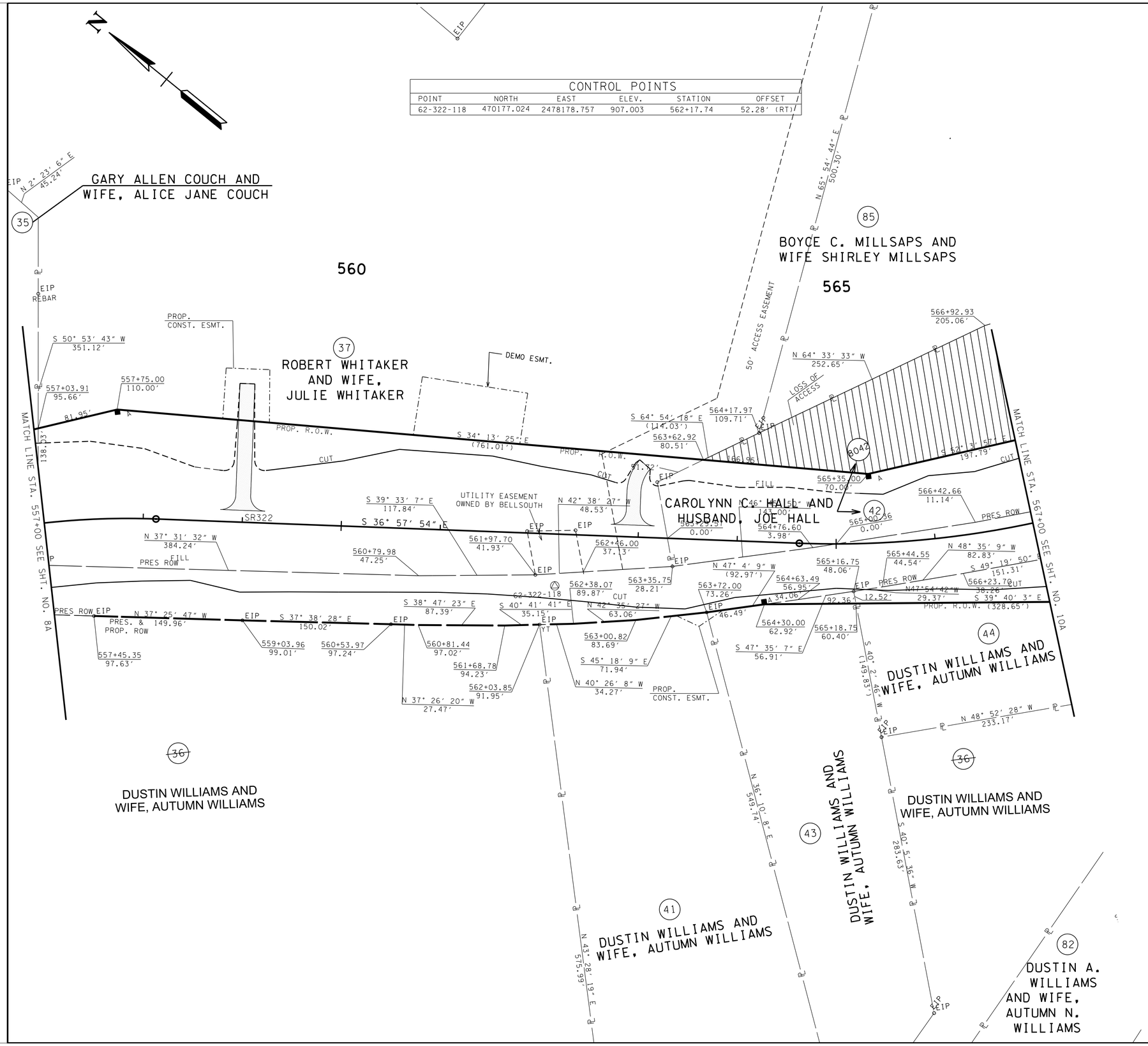
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	9A
PS&E	2026	R-STP-322(15)	9A

REV. 07-27-23: REVISED R.O.W. CALLS ON S.R. 322 NEAR STA. 565+20 RT.

REV.07-3-24: TRACT 37: RELOCATED DRIVEWAY & ADDED SELL-OFF; TRACT 8042: ADDED.

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-118	470177.024	2478178.757	907.003	562+17.74	52.28' (RT)



SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
GRICULTURE
COMMERCE
No. 111992
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 557+00 TO STA. 567+00

SCALE: 1"= 50'

2/24/2026 9:59:14 AM
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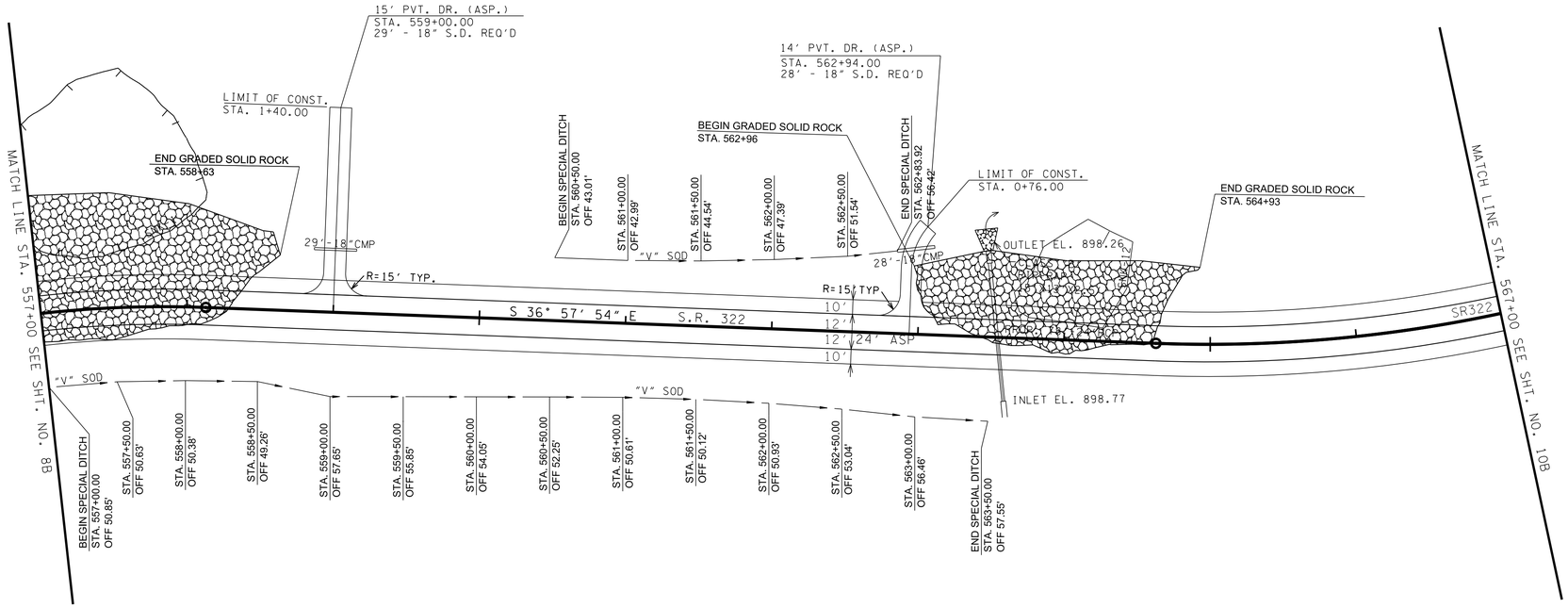
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	9B
PS&E	2026	R-STP-322(15)	9B

REV. 12-10-24: TRACT 37: ADDED DRIVEWAY.

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
SR 322		
556+92.86	8.00	-8.00
559+32.86	-2.00	-2.00
564+42.26	-2.00	-2.00
563+45.35		-2.00
565+80.35	-7.70	7.70
571+73.78	-7.70	7.70



SEE SHEET 9C FOR SR-322 PROFILE

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE & INSURANCE
111922
2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 557+00 TO STA. 567+00

SCALE: 1"= 50'

2/24/2026 9:59:15 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	9C
PS&E	2026	R-STP-322(15)	9C

950 945 940 935 930 925 920 915 910 905 900 895 890 885 880 875 870 865 860 855

500'
K = 114

VPC 560+75.00
EL. 906.56

VPT 565+75.00
EL. 911.93

EXISTING GRADE

FINISHED GRADED

-1.10%

6" G
T (UG)
8" W

BEGIN SPECIAL
SOD V DITCH
STA 557+00.00
OFF. 50.85' RT.
ELEV. 902.90

0.5%

F.L. SPECIAL
DITCH RT.

BEGIN SPECIAL
SOD V DITCH
STA 561+00.00
OFF. 42.99' LT.
ELEV. 902.17

1.2%

F.L. SPECIAL
DITCH LT.

-1.10%

3.3%

1.0%

END SPECIAL
SOD V DITCH
STA 563+22.00
OFF. 61.99' LT.
ELEV. 898.61

VPI 563+25.00
EL. 903.81

3.25%

END SPECIAL
SOD V DITCH
STA 563+50.00
OFF. 57.55' RT.
ELEV. 899.65

STA. 563+54.19
EXIST. T.B.R.
PROP. 86'-24" RCP
SKEW 82°14'27" RT
FLOWS LEFT
INLET 898.53
OUTLET 898.26

S.R. 322

557+00 558+00 559+00 560+00 561+00 562+00 563+00 564+00 565+00 566+00 567+00

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
No. 111932
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 557+00 TO STA. 567+00

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

2/24/2026 9:59:17 AM
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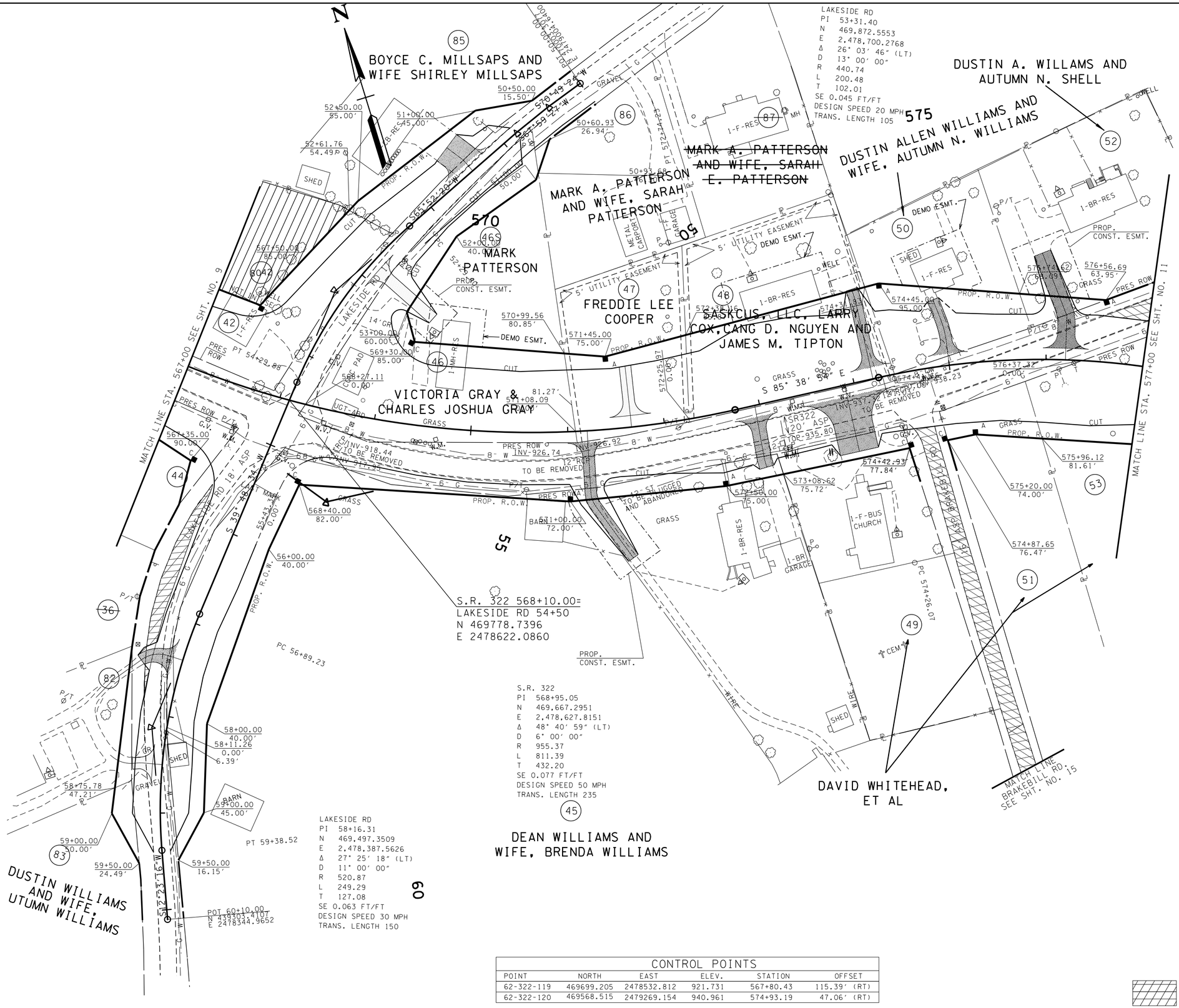
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	10
PS&E	2026	R-STP-322(15)	10

REV. 04-04-24; TRACT 45 PULLED TCE OFF OF FIELD LINES; TRACT 46S ADDED TCE FOR DRIVEWAY; TRACT 48 NEW OWNER; TRACT 83 NEW OWNER.

REV. 07-03-24:TRACT 46,46S: NEW OWNER.

REV. 03-24-25:TRACT 49, 51, 53: NEW OWNER.

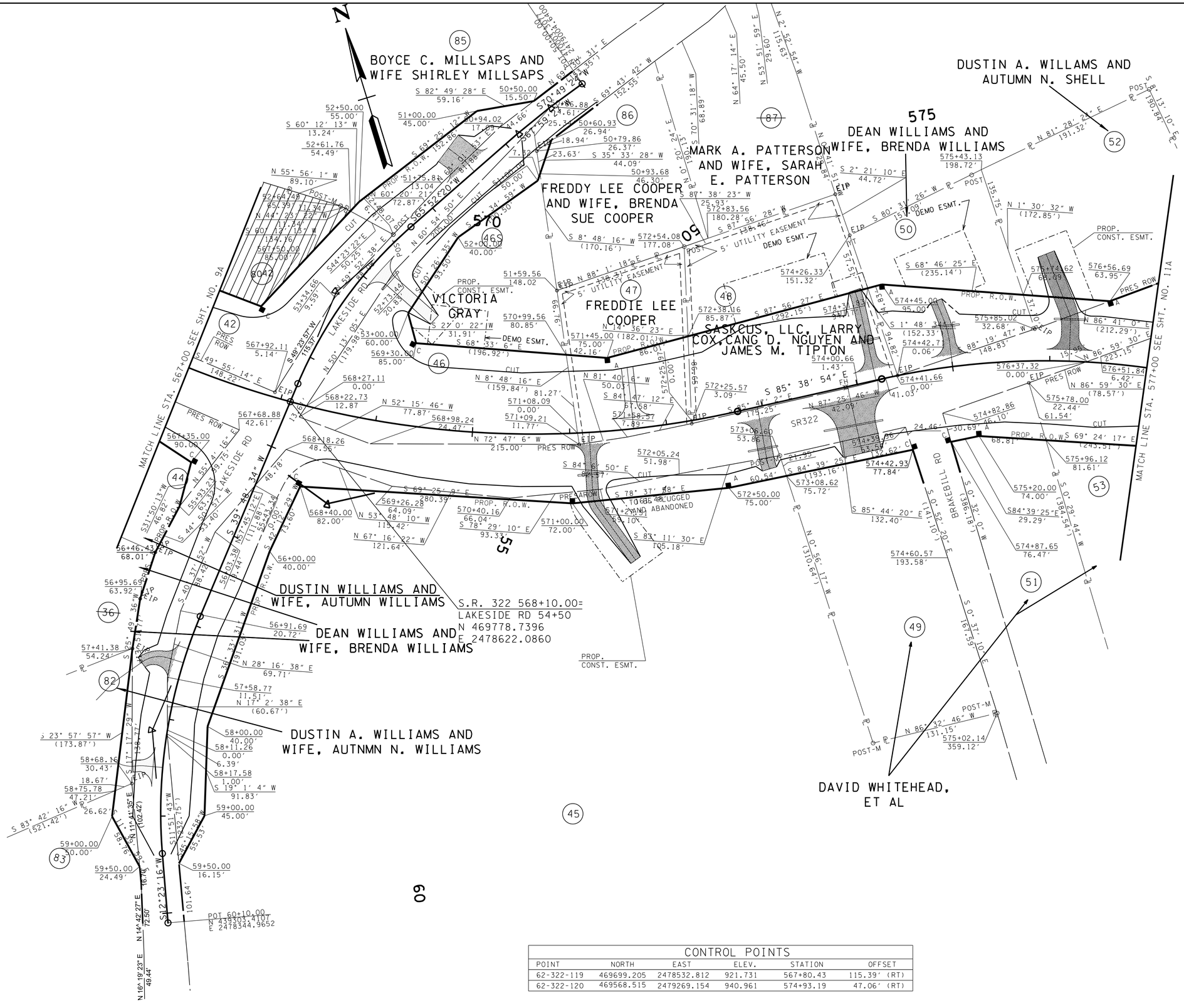

N
BOYCE C. MILLSAPS AND WIFE SHIRLEY MILLSAPS
85
DUSTIN A. WILLAMS AND AUTUMN N. SHELL
DUSTIN ALLEN WILLIAMS AND WIFE, AUTUMN N. WILLIAMS
MARK A. PATTERSON AND WIFE, SARAH E. PATTERSON
MARK A. PATTERSON AND WIFE, SARAH PATTERSON
MARK PATTERSON
FREDDIE LEE COOPER
SASKCUS, LLC, LARRY COX, CANG D. NGUYEN AND JAMES M. TIPTON
VICTORIA GRAY & CHARLES JOSHUA GRAY
DAVID WHITEHEAD, ET AL
DEAN WILLIAMS AND WIFE, BRENDA WILLIAMS
DUSTIN WILLIAMS AND WIFE, UTUMN WILLIAMS
LAKESIDE RD
PI 53+31.40
N 469,872.5553
E 2,478,700.2768
Δ 26° 03′ 46″ (LT)
D 13° 00′ 00″
R 440.74
L 200.48
T 102.01
SE 0.045 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 105
575
S.R. 322 568+10.00=
LAKESIDE RD 54+50
N 469778.7396
E 2478622.0860
S.R. 322
PI 568+95.05
N 469,667.2951
E 2,478,627.8151
Δ 48° 40′ 59″ (LT)
D 6° 00′ 00″
R 955.37
L 811.39
T 432.20
SE 0.077 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 235
LAKESIDE RD
PI 58+16.31
N 469,497.3509
E 2,478,387.5626
Δ 27° 25′ 18″ (LT)
D 11° 00′ 00″
R 520.87
L 249.29
T 127.08
SE 0.063 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 150
MATCH LINE STA. 567+00 SEE SHT. NO. 9
MATCH LINE STA. 577+00 SEE SHT. NO. 11
MATCH LINE BRAKEBILL RD. SEE SHT. NO. 15
PROP. R.O.W.
PROP. CONST. ESMT.
DEMO ESMT.
5' UTILITY EASEMENT
PRES ROW
CUT
GRASS
GRAVEL
SHED
BARN
1-F-RES
1-BR-RES
1-F-BUS CHURCH
1-BR GARAGE
METAL CARPORT
1-F GARAGE
1-MH-RS
WELL
CEM
WIRE
8" W INV-926.74
12" RCP TO BE REMOVED
8" W INV-926.92
8" W INV-918.44
12" RCP TO BE REMOVED
ASR322 20' ASP TOR-935.80
ST LIGGED TO BE REMOVED AND ABANDONED
PC 574+26.07
PC 56+89.23
PT 59+38.52
POT 60+10.00
N 469301.4107
E 2478344.9652
567+50.00 85.00'
568+40.00 82.00'
569+30.00 85.00'
570+99.56 80.85'
571+45.00 75.00'
572+25.87 0.00'
573+08.62 75.72'
574+45.00 95.00'
575+96.12 81.61'
576+56.69 63.95'
574+87.65 76.47'
574+42.93 77.84'
575+20.00 74.00'
576+37.32 0.00'
574+30.93 0.00'
572+58.23 0.00'
571+08.09 81.27'
570+00.00 40.00'
569+00.00 40.00'
568+00.00 40.00'
567+35.00 90.00'
566+00.00 40.00'
59+00.00 50.00'
59+50.00 24.49'
59+50.00 16.15'
58+75.78 47.21'
58+11.26 0.00' 6.39'
58+00.00 40.00'
57+00.00 40.00'
56+00.00 40.00'
55+43.74 0.00'
52+50.00 85.00'
52+61.76 54.49'
51+06.00 45.00'
50+50.00 15.50'
50+60.93 26.94'
50+93.68 0.00'
52+00.00 40.00'
53+00.00 60.00'
568+27.11 0.00'
571+00.00 72.00'
579+58.00 75.00'
574+26.62 0.00'
574+31.62 0.00'
574+56.62 0.00'
S 85° 38′ 54″ E
S 39° 48′ 34″ W
S 12° 23′ 16″ W
S 56° 32′ 20″ W
S 57° 49′ 24″ W
S 57° 59′ 21″ W
S 51° 58′ 41″ W
S 57° 14′ 22″ E
S 57° 14′ 22″ E
S 57° 14′ 22″ E

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	10A
PS&E	2026	R-STP-322(15)	10A

REV. 07-27-23: REVISED R.O.W. CALLS ON S.R. 322 AND LAKESIDE DR.

REV. 07-03-24: TRACT 46,46S: NEW OWNER.

REV. 03-24-25:TRACT 49, 51, 53: NEW OWNER.



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-119	469699.205	2478532.812	921.731	567+80.43	115.39' (RT)
62-322-120	469568.515	2479269.154	940.961	574+93.19	47.06' (RT)

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REGISTERED ENGINEER
AGRICULTURE
COMMERCE
111922
STATE OF TENNESSEE

2/24/26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 567+00 TO STA. 577+00

SCALE: 1"= 50'

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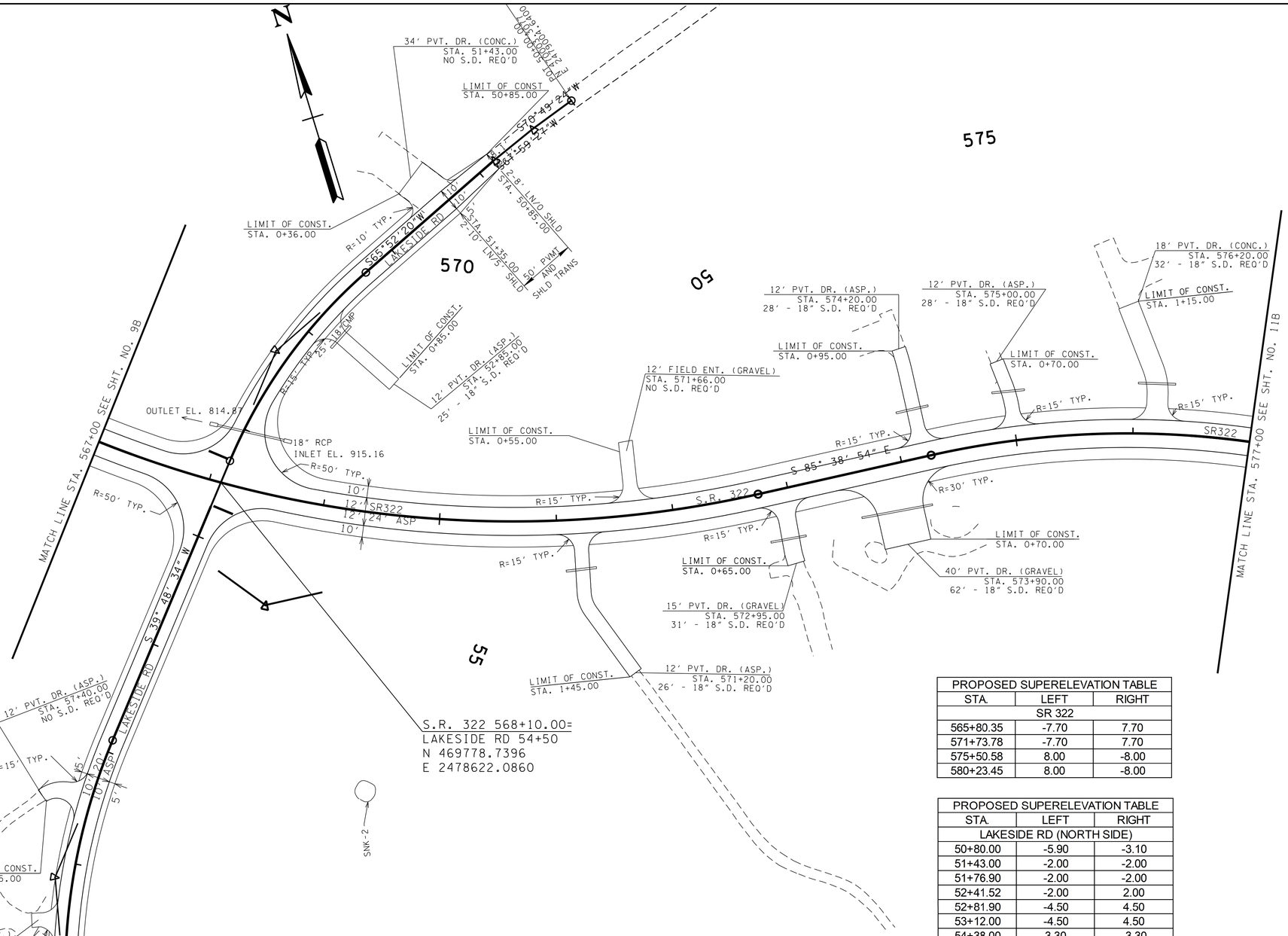
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	10B
PS&E	2026	R-STP-322(15)	10B



PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
SR 322		
565+80.35	-7.70	7.70
571+73.78	-7.70	7.70
575+50.58	8.00	-8.00
580+23.45	8.00	-8.00

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
LAKESIDE RD (NORTH SIDE)		
50+80.00	-5.90	-3.10
51+43.00	-2.00	-2.00
51+76.90	-2.00	-2.00
52+41.52	-2.00	2.00
52+81.90	-4.50	4.50
53+12.00	-4.50	4.50
54+38.00	3.30	-3.30
LAKESIDE RD (SOUTH SIDE)		
54+62.00	3.30	-3.30
55+57.78	-2.00	-2.00
56+14.23	-2.00	-2.00
56+86.52	-2.00	-2.00
57+64.23	-6.30	6.30
57+86.39	-6.30	6.30
59+40.00	-6.20	-2.20

SEE SHEET 10C FOR SR-322 PROFILE AND SHEET 24 FOR LAKESIDE ROAD PROFILE.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 567+00 TO STA. 577+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	10C
PS&E	2026	R-STP-322(15)	10C

S.R. 322 568+10.00=
LAKESIDE RD 54+50
N 469778.7396
E 2478622.0860

VPI 574+80.00
EL. 941.34

VPC 573+80.00
EL. 938.09

VPT 575+80.00
EL. 942.34

200'
K = 88

EXISTING GRADE

FINISHED GRADED

3.25%

1.00%

S.R. 322

975 970 965 960 955 950 945 940 935 930 925 920 915 910 905 900 895 890 885 880

567+00 568+00 569+00 570+00 571+00 572+00 573+00 574+00 575+00 576+00 577+00

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REGISTERED ENGINEER
No. 111932
STATE OF TENNESSEE
2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 567+00 TO STA. 577+00

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	11
PS&E	2026	R-STP-322(15)	11

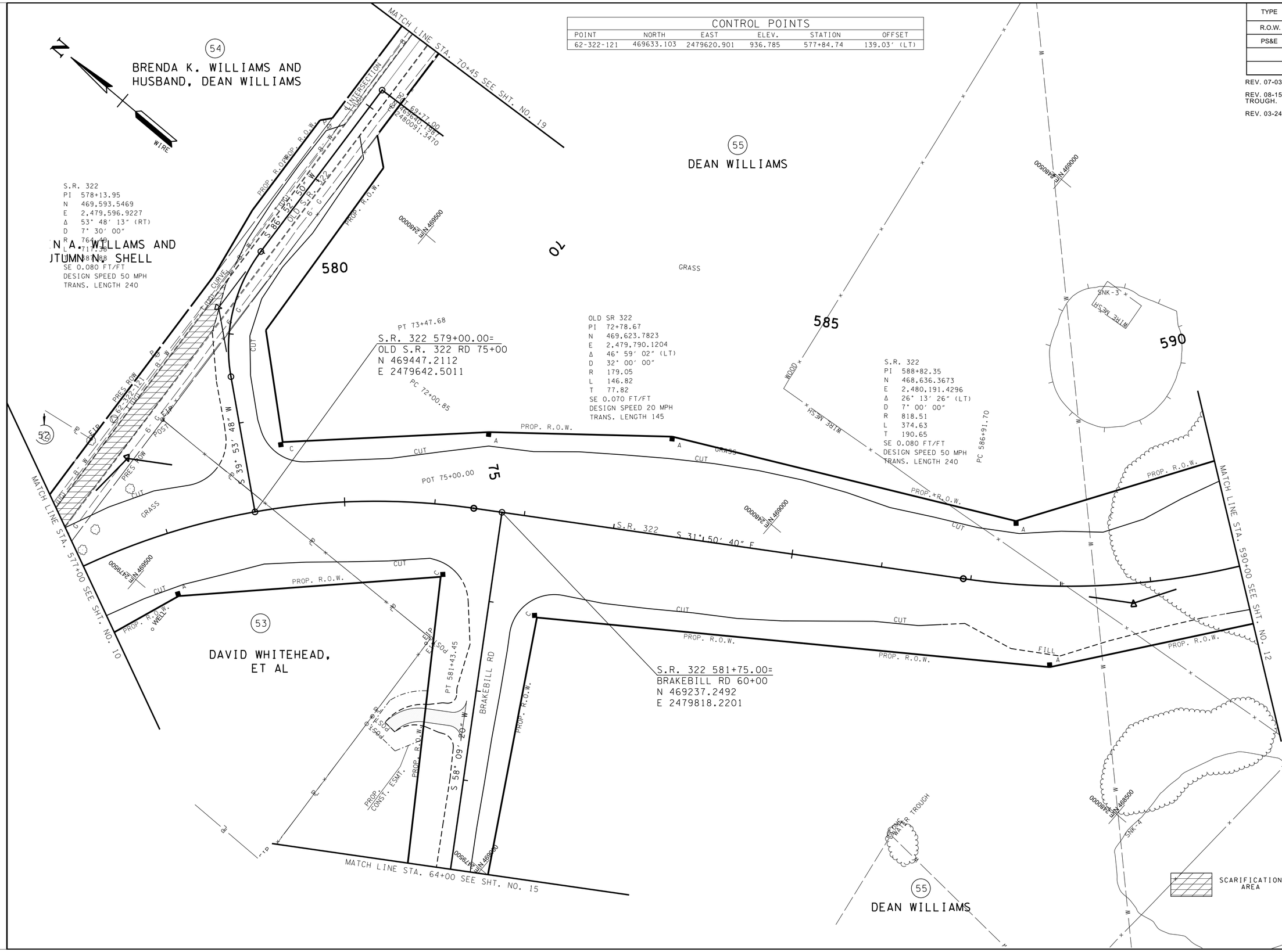
REV. 07-03-24: TRACT 55: ADDED DRIVEWAY.

REV. 08-15-24: TRACT 55: ADDED FENCING & WATER TROUGH.

REV. 03-24-25: TRACT 53: NEW OWNER.

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-121	469633.103	2479620.901	936.785	577+84.74	139.03' (LT)



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AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 577+00 TO STA. 590+00

SCALE: 1"=50'

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CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-121	469633.103	2479620.901	936.785	577+84.74	139.03' (LT)

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	11A
PS&E	2026	R-STP-322(15)	11A

REV. 07-27-23: REVISED R.O.W. CALLS BETWEEN TRACT 53 AND TRACT 55.

REV. 12-10-24: TRACT 55: UPDATED CALLS.

REV. 03-24-25: TRACT 53: NEW OWNER.

N

54

BRENDA K. WILLIAMS AND HUSBAND, DEAN WILLIAMS

S 86° 52' 46" W 161.87'

70+35.00 25.44'

S 49° 24' 43" E 13.83'

70+45.00 35.00'

S 86° 52' 50" W 125.00'

S 86° 52' 46" W 219.17'

71+70.00 35.00'

PROP. R.O.W.

S 86° 52' 46" W 1221.11'

S 86° 52' 50" W OLD S.R. 322

PRES. ROW

S 85° 52' 47" W 322.29' PROP. R.O.W.

55

DEAN WILLIAMS

N 86° 52' 46" E (N 86° 52' 50" E) 35.17'

70+77.00 (70+80.00) 33.70'

70+20.00 25.54'

S 39° 11' 57" W 37.13'

70+45.00 53.00'

DUSTIN A. WILLAMS AND AUTUMN N. SHELL

S 80° 23' 56" W 84.71'

72+46.52 32.27'

580

70

585

590

S 86° 52' 46" W 226.07'

72+90.00 40.00'

S.R. 322 579+00.00= OLD S.R. 322 RD 75+00 N 469447.2112 E 2479642.5011

CUT

S 41° 26' 11" W 125.54'

579+40.00 72.00'

581+48.00 86.00'

583+50.00 110.00'

S 42° 47' 54" E 228.87'

PROP. R.O.W.

N 38° 37' 13" W 203.42'

CUT

CUT

S 26° 13' 30" E 392.29'

PROP. R.O.W.

587+45.00 70.00'

S 56° 55' 36" E 850.20'

MATCH LINE STA. 590+00 SEE SHT. NO. 12A

577+51.96 126.59'

62-322-121

578+28.72 121.88'

EIP

395.55'

52

S 86° 41' 0" W 129.91'

135.11'

223.15' POST

PRES ROW

126.52'

N 86° 59' 30" E 223.15'

CUT

S 39° 53' 48" W

29.59

579+19.30 0.00'

579+00.00 22.17'

75

S.R. 322 S 31° 50' 40" E

MATCH LINE STA. 577+00 SEE SHT. NO. 10A

R N 0° 51' 2" W (392.87')

CUT

CUT

A

S 44° 14' 34" E PROP. R.O.W. (291.28')

86.98'

C

581+15.00 80.00'

577+90.00 70.00'

580+17.79 90.05'

97.66' R

53

DAVID WHITEHEAD, ET AL

581+10.28 148.86'

EIP

POST

BRAKEBILL RD

582+30.00 110.00'

CUT

CUT

S 34° 30' 30" E 571.16'

FILL

S 52° 6' 18" E 974.87'

PROP. R.O.W.

587+90.00 90.00'

S.R. 322 581+75.00= BRAKEBILL RD 60+00 N 469237.2492 E 2479818.2201

N 86° 45' 59" E 370.81' (370.45')

EIP

POST

PROP. CONST. ESMT.

PROP. R.O.W.

S 58° 09' 20" W

S 60° 44' 29" W 438.99'

PROP. R.O.W.

S 0° 39' 44" W (384.54')

EIP

S 56° 30' 40" W (552.37')

MATCH LINE STA. 64+00 SEE SHT. NO. 15

55

DEAN WILLIAMS

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STACY L. WEAVER REGISTERED ENGINEER Hendersonville, Tennessee AGRICULTURE COMMERCE 111922 STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TDRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 577+00 TO STA. 590+00

SCALE: 1"= 50'

2/24/2026 9:59:28 AM

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PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
SR 322		
575+50.58	8.00	-8.00
580+23.45	8.00	-8.00
582+63.45	-2.00	
581+67.45	-2.00	-2.00
585+71.70	-2.00	-2.00
586+67.00	-2.00	2.00
588+11.70	-8.00	8.00
589+46.30	-8.00	8.00
590+90.30	-2.00	2.00

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
BRAKEBILL RD		
60+12.05	-0.20	0.20
60+41.25	-2.00	2.00
61+06.25	-2.00	2.00
64+74.20	-2.00	2.00

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
OLD SR 322		
70+32.00	-0.50	0.50
70+56.38	-2.00	2.00
74+43.39	-2.00	2.00
74+88.00	0.75	-0.75

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	11B
PS&E	2026	R-STP-322(15)	11B

REV. 07-03-24: TRACT 55: ADDED DRIVEWAY.

N

580

70

585

590

75

SNK - 3

SNK - 4

LIMIT OF CONST.
STA. 70+32.00

50' OLD TRANS

STA. 70+32.00 2-10' LN/1' SHLD

STA. 70+82.00 2-10' LN/2' SHLD

10' 10' 1' 10' 12' 10'

S 86° 57' 50" W

OLD S.R. 322

S.R. 322 579+00.00=
OLD S.R. 322 RD 75+00
N 469447.2112
E 2479642.5011

BEGIN SPECIAL DITCH
STA. 580+00.00
OFF 43.01'

STA. 580+50.00
OFF 44.30'

STA. 581+00.00
OFF 43.84'

END SPECIAL DITCH
STA. 581+50.00
OFF 42.98'

"V" SOD

R1-1
30" X 30"

S 33° 55' 55" W

R=50' TYP.

MATCH LINE STA. 577+00 SEE SHT. NO. 10B

S.R. 322 S 31° 50' 40" E

10' 12' 12' 24' ASP 10'

STOP

R1-1
30" X 30"

S.R. 322 581+75.00=
BRAKEBILL RD 60+00
N 469237.2492
E 2479818.2201

R=15' TYP.

2' 9' 18' ASP 2'

S 58° 09' 20" W

BRAKEBILL RD

15' PVT. DR. (ASP.)
STA. 62+35.00
NO S.D. REQ'D
LIMIT OF CONST
STA. 0+95.00

MATCH LINE STA. 64+00 SEE SHT. NO. 15B

BEGIN SPECIAL DITCH
STA. 587+00.00
OFF 50.50'

STA. 588+00.00
OFF 55.79'

STA. 589+50.00
OFF 47.12'

"V" SOD

2-12' LN/ 10' SHLD
STA. 589+50.00

MATCH LINE STA. 590+00 SEE SHT. NO. 12B

1200' PAVEMENT TRANSITION

SEE SHEET 11C FOR SR-322 PROFILE, SHEET 24 FOR OLD SR-322 PROFILE, AND SHEET 25 FOR BRAKEBILL ROAD PROFILE.

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
No. 111932
AGRICULTURE
COMMERCE
STATE OF TENNESSEE
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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 577+00 TO STA. 590+00

SCALE: 1"= 50'

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	11C
PS&E	2026	R-STP-322(15)	11C

985 980 975 970 965 960 955 950 945 940 935 930 925 920 915 910 905 900 895 890

577+00 578+00 579+00 580+00 581+00 582+00 583+00 584+00 585+00 586+00 587+00 588+00 589+00 590+00

S.R. 322 579+00.00=
OLD S.R. 322 RD 75+00
N 469447.2112
E 2479642.5011

S.R. 322 581+75.00=
BRAKEBILL RD 60+00
N 469237.2492
E 2479818.2201

VPI 584+25.00
EL 950.79

EXISTING GROUND

1.00%

-3.10%

BEGIN SPECIAL SOD V DITCH
STA 580+00.00
OFF. 43.01' LT.
ELEV. 943.58

0.6%

F.L. SPECIAL DITCH LT.

END SPECIAL SOD V DITCH
STA 581+50.00
OFF. 42.98' LT.
ELEV. 942.67

FINISHED GRADED

BEGIN SPECIAL SOD V DITCH
STA 587+00.00
OFF. 50.50' LT.
ELEV. 934.91

9.0%

5.6%

1.0%

0.5%

F.L. SPECIAL DITCH LT.

VPC 578+25.00
EL. 944.79

1200'
K = 292

S.R. 322

8" (UG) W

6" G

8" (UG) W

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REGISTERED ENGINEER
No. 111922
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 577+00 TO STA. 590+00

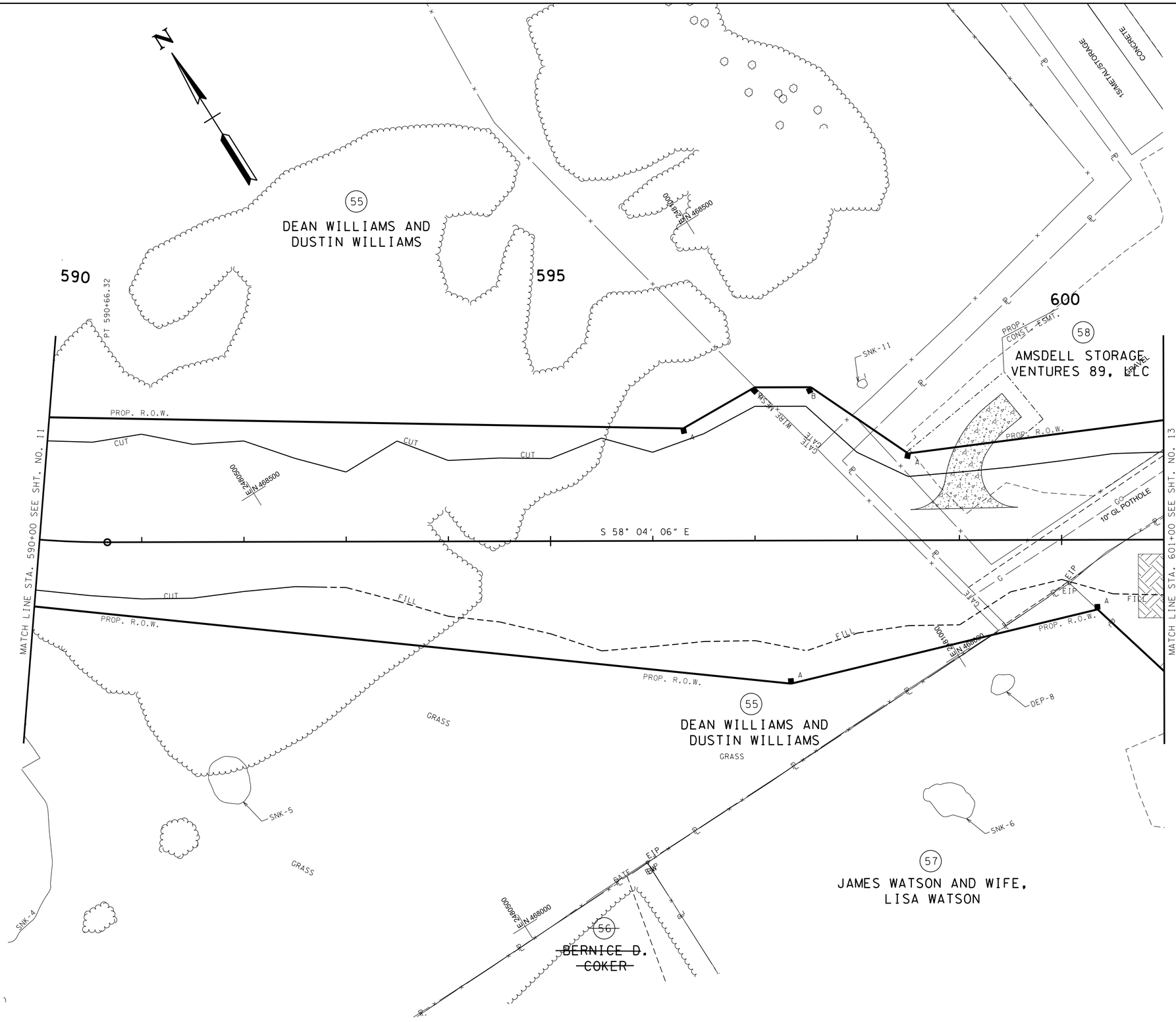
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	12
PS&E	2026	R-STP-322(15)	12

REV. 08-15-24: TRACT 55: ADDED FENCING.

REV. 03-24-25: TRACT 58: NEW OWNER.

REV. 01-20-26: TRACT 58: ADDED DRIVEWAY.



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COMMERCE
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 590+00 TO STA. 601+00

SCALE: 1"=50'

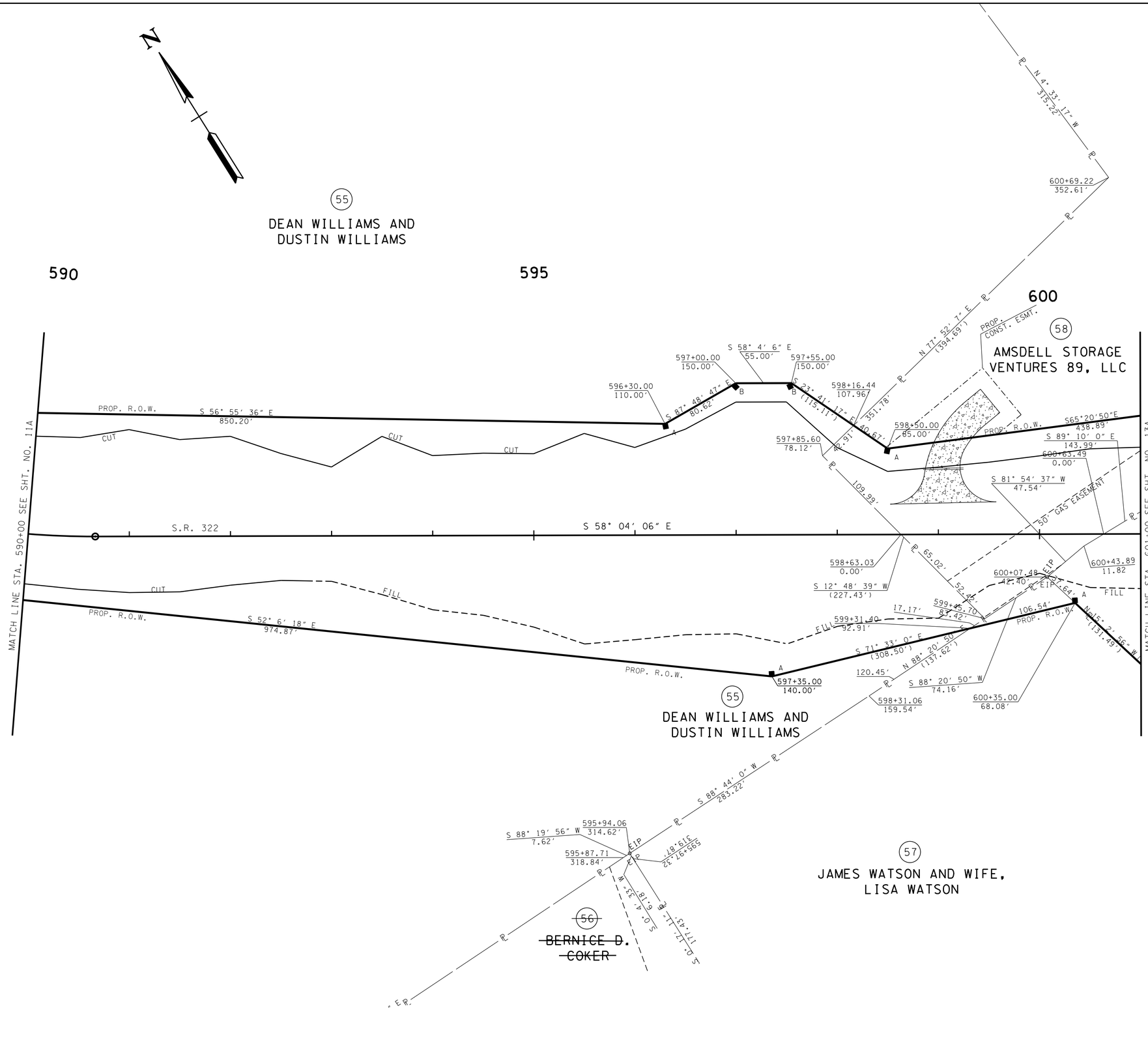
2/24/2026 9:59:35 AM
L:\SURVDES\Design\PROJECTS\MR322-05\012.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	12A
PS&E	2026	R-STP-322(15)	12A

REV. 07-27-23: REVISED R.O.W. CALLS ON S.R. 322; REVISED R.O.W. CALLS BETWEEN TRACT 55 AND TRACT 58; CORRECTED PROPERTY OWNER, TRACT 57.

REV. 03-24-25:TRACT 58: NEW OWNER.

REV. 01-20-26: TRACT 58: ADDED DRIVEWAY.



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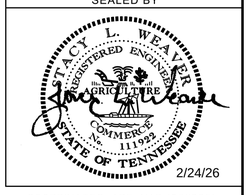

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 590+00 TO STA. 601+00

SCALE: 1"= 50'

2/24/2026 9:59:35 AM
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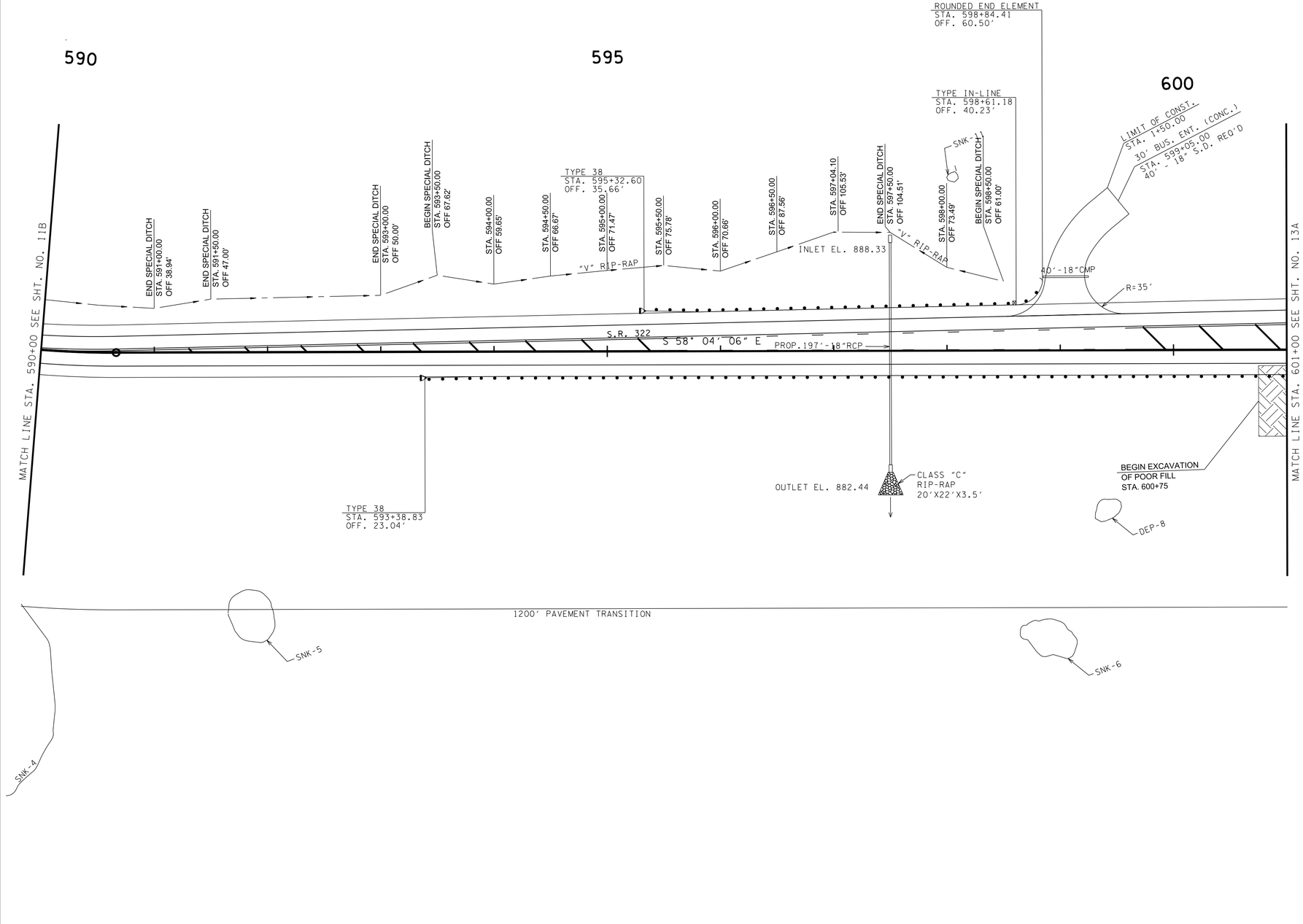
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	12B
PS&E	2026	R-STP-322(15)	12B

REV. 01-20-26: TRACT 58: ADDED DRIVEWAY.

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
SR 322		
589+46.30	-8.00	8.00
590+90.30	-2.00	2.00
591+86.30	-2.00	-2.00
597+65.00	-2.00	-2.00
599+57.00	-2.00	2.00
602+45.00	-8.00	8.00



SEE SHEET 12C FOR SR-322 PROFILE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 590+00 TO STA. 601+00

SCALE: 1"= 50'

2/24/2026 9:59:36 AM
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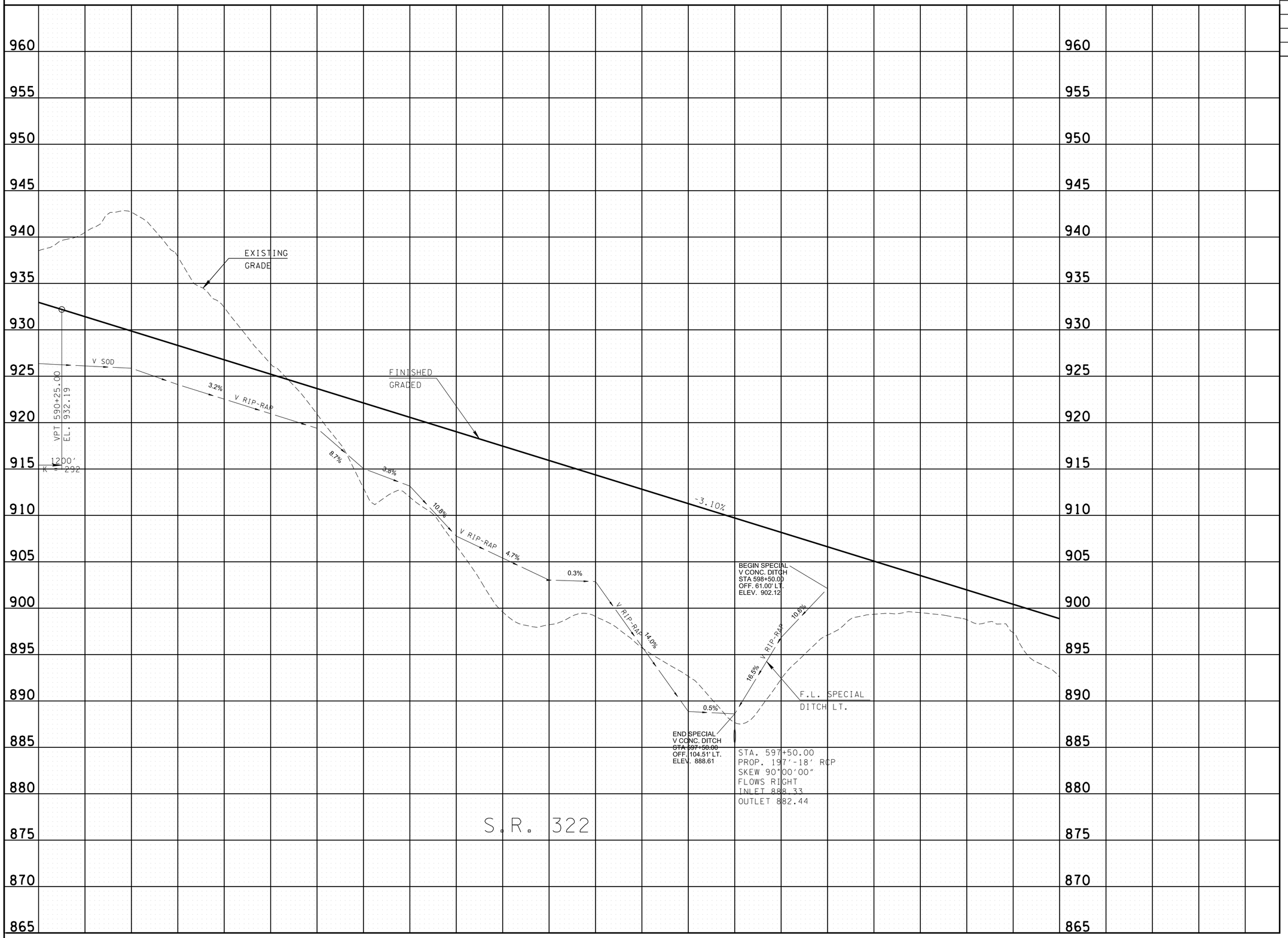
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	12C
PS&E	2026	R-STP-322(15)	12C



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2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 590+00 TO STA. 601+00

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

2/24/2026 9:59:38 AM
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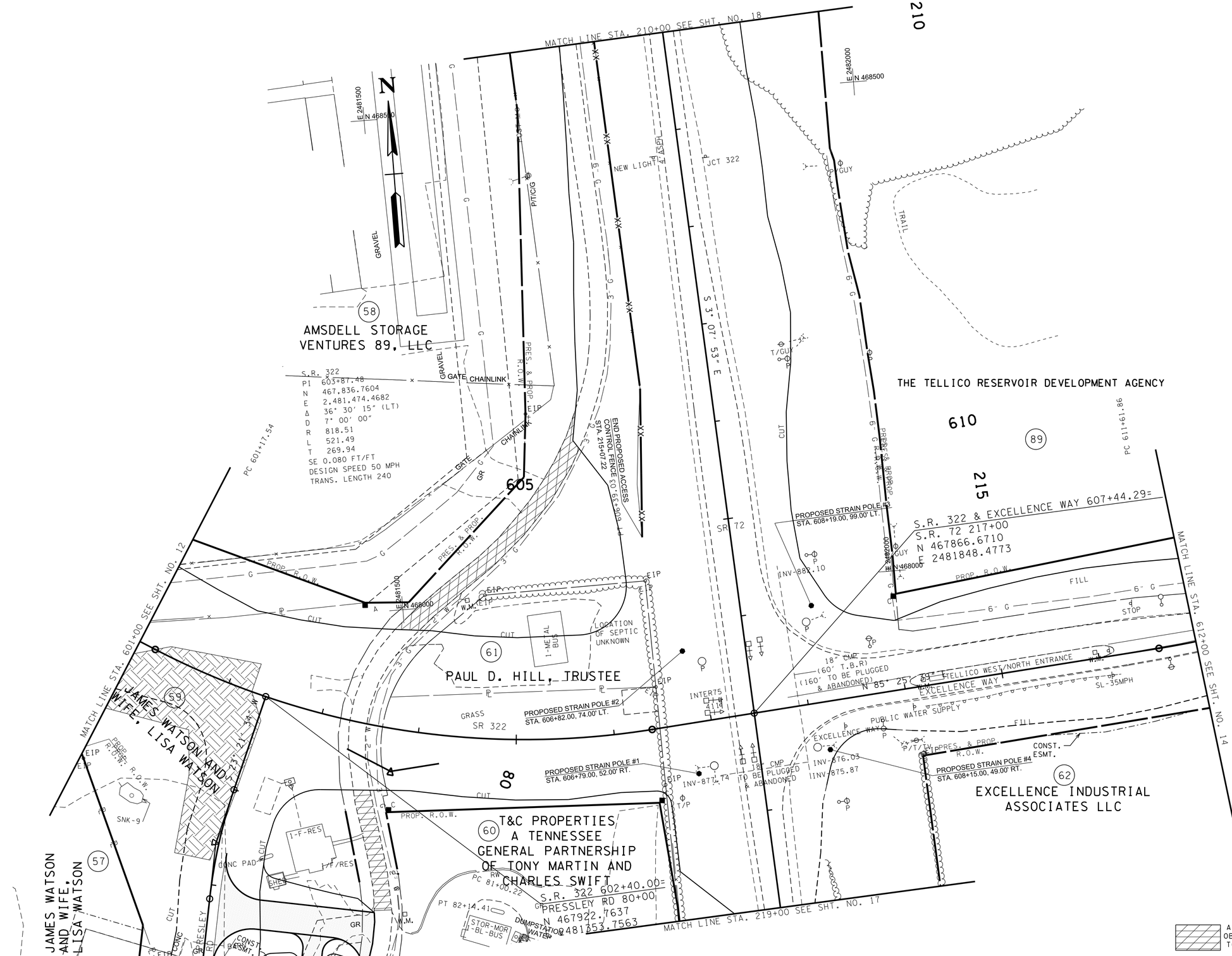
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	13
PS&E	2026	R-STP-322(15)	13

REV. 04-04-24: TRACT 58 ADDED FEATURES; TRACT 59 INCREASED ROW; TRACT 62 UPDATED OWNERS.

REV. 07-03-24: TRACT 60: ADDED DUMP STATION.

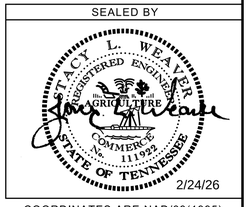
REV. 12-10-24: TRACT 60: UPDATED SEPTIC.

REV. 03-24-25: TRACT 58, 60: NEW OWNER; TRACT 60: PULLED OFF SEPTIC.



AREA TO BE SCARIFED, OBLITERATED, RESHAPED TOPSOILED AND SEEDED

SEALED BY



2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 601+00 TO STA. 612+00

SCALE: 1"=50'

2/24/2026 9:59:40 AM
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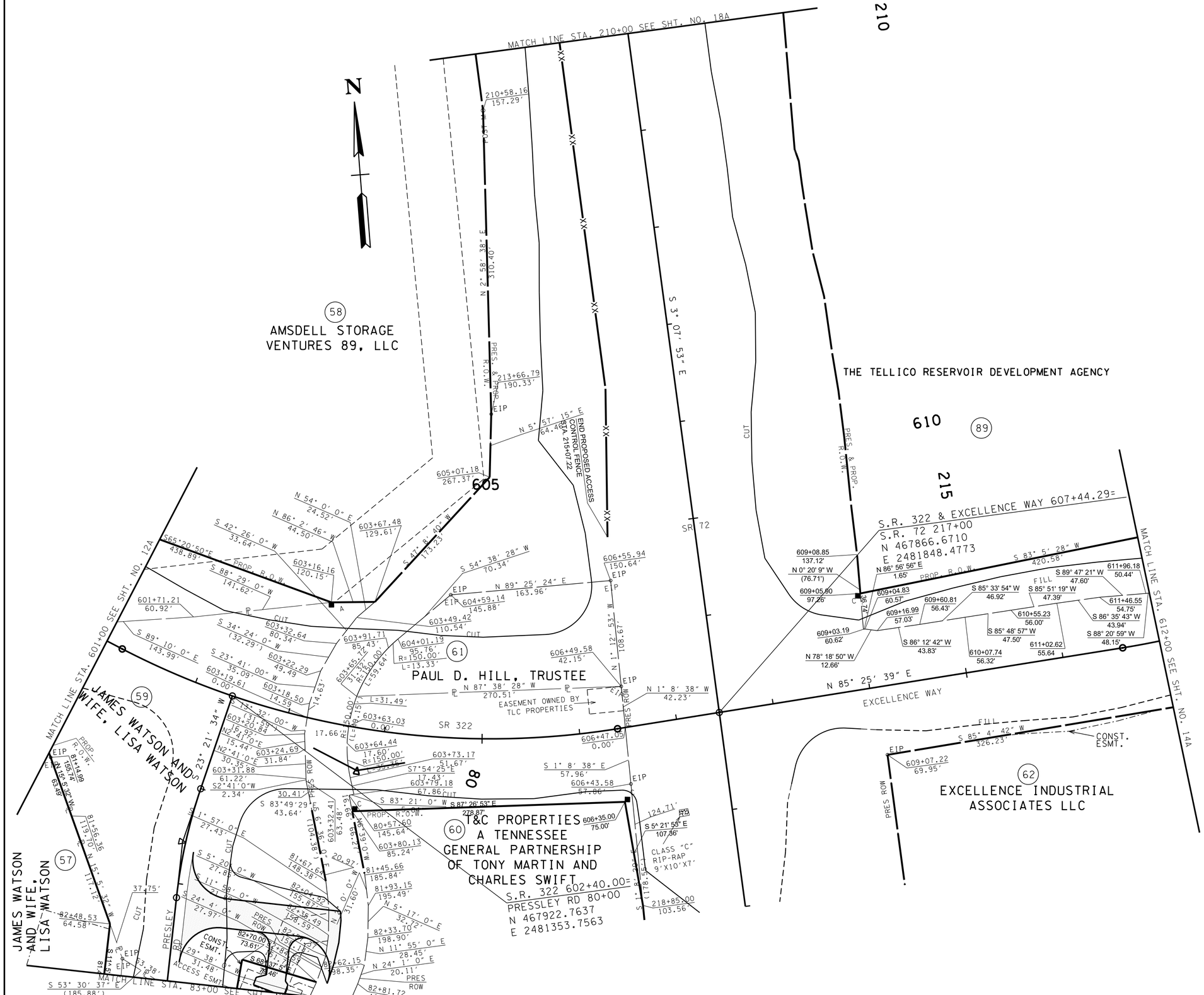
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	13A
PS&E	2026	R-STP-322(15)	13A

REV. 07-27-23: REVISED R.O.W. CALLS ON S.R. 322 AND PRESLEY RD.; RENAMED THE ROAD EAST OF THE INTERSECTION TO EXCELLENCE WAY; REVISED R.O.W. CALLS ON TRACT 57.

REV. 03-24-25: TRACT 58, 60: NEW OWNER; TRACT 60: PULLED OFF SEPTIC.



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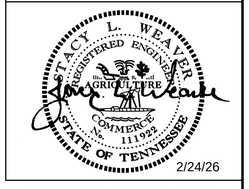

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TDRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 601+00 TO STA. 612+00

SCALE: 1"= 50'

2/24/2026 9:59:41 AM
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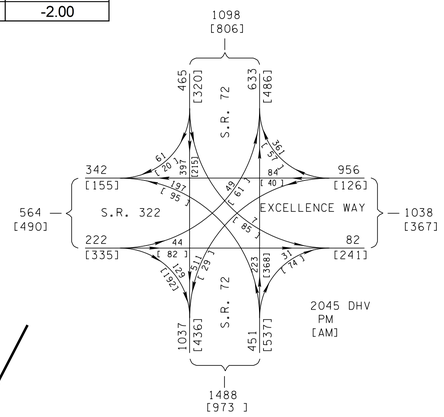
PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
SR 322		
599+57.00	-2.00	2.00
602+45.00	-8.00	8.00
607+25.00	2.00	-2.00
SR 322 (EXCELLENCE WAY)		
607+67.00	1.97	-1.97
609+24.50	-2.00	2.00
611+61.86	-2.00	2.00
613+13.90	-5.83	5.83

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
PRESLEY RD		
80+12.00	-3.10	3.10
80+33.33	-2.00	2.00
80+83.55	-2.00	2.00
81+16.89	-4.00	4.00
81+64.41	-4.00	4.00
81+97.74	-2.00	2.00
82+64.41	-2.00	-2.00
84+00.54	-2.00	-2.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	13B
PS&E	2026	R-STP-322(15)	13B



SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE & INSURANCE
No. 111922
STATE OF TENNESSEE

2/24/26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SEE SHEET 13C FOR SR-322 PROFILE, SHEET 26 FOR PRESSLEY ROAD PROFILE, AND SHEETS 27 AND 28 FOR SR-72 PROFILE.

PROPOSED LAYOUT

STA. 601+00 TO STA. 612+00

SCALE: 1"= 50'

2/24/2026 9:59:43 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	13C
PS&E	2026	R-STP-322(15)	13C

S.R. 322 602+40.00=
PRESLY RD 80+00
N 467922.7637
E 2481353.7563

S.R. 322 607+44.29=
S.R. 72 217+00
N 467866.6710
E 2481848.4773

6" C

2" W

300'
K = 121

VPC 604+20.00
EL. 888.95

EXISTING
GRADE

FINISHED
GRADED

-3.10%

BEGIN SPECIAL
SOD V DITCH
STA 606+00.00
OFF. 37.94' RT.
ELEV. 880.87

-0.64%

1.9%

F.L. SPECIAL
DITCH RT.

END SPECIAL
SOD V DITCH
STA 606+50.00
OFF. 43.73' RT.
ELEV. 879.92

VPI 605+70.00
EL. 884.30

STA. 606+92.51
PROP. 36" CMP
SKEW 90°00'00"
FLOWS RIGHT
INLET 878.70
OUTLET 877.37

VPT 607+20.00
EL. 883.34

VPI 607+26.29
EL. 883.30

EXIST. 18" CMP
T.B.R.

VPI 607+62.29
EL. 883.30

-2.00%

-4.00%

VPI 608+60.00
EL. 881.35

STA. 608+90.76
PROP. 18" CMP
SKEW 90°00'00" RT.
FLOWS RIGHT
INLET 878.88
OUTLET 877.73

VPC 608+10.00
EL. 882.35

100'
K = 50

VPT 609+10.00
EL. 879.35

BEGIN SPECIAL
SOD V DITCH
STA 609+50.00
OFF. 78.02' LT.
ELEV. 870.96

6.4%

5.8%

4.3%

F.L. SPECIAL
DITCH LT.

S.R. 322

EXCELLENCE WAY

925 920 915 910 905 900 895 890 885 880 875 870 865 860 855 850 845 840 835 830

601+00 602+00 603+00 604+00 605+00 606+00 607+00 608+00 609+00 610+00 611+00 612+00

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111992
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED PROFILE

STA. 601+00 TO STA. 612+00

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

2/24/2026 9:59:45 AM
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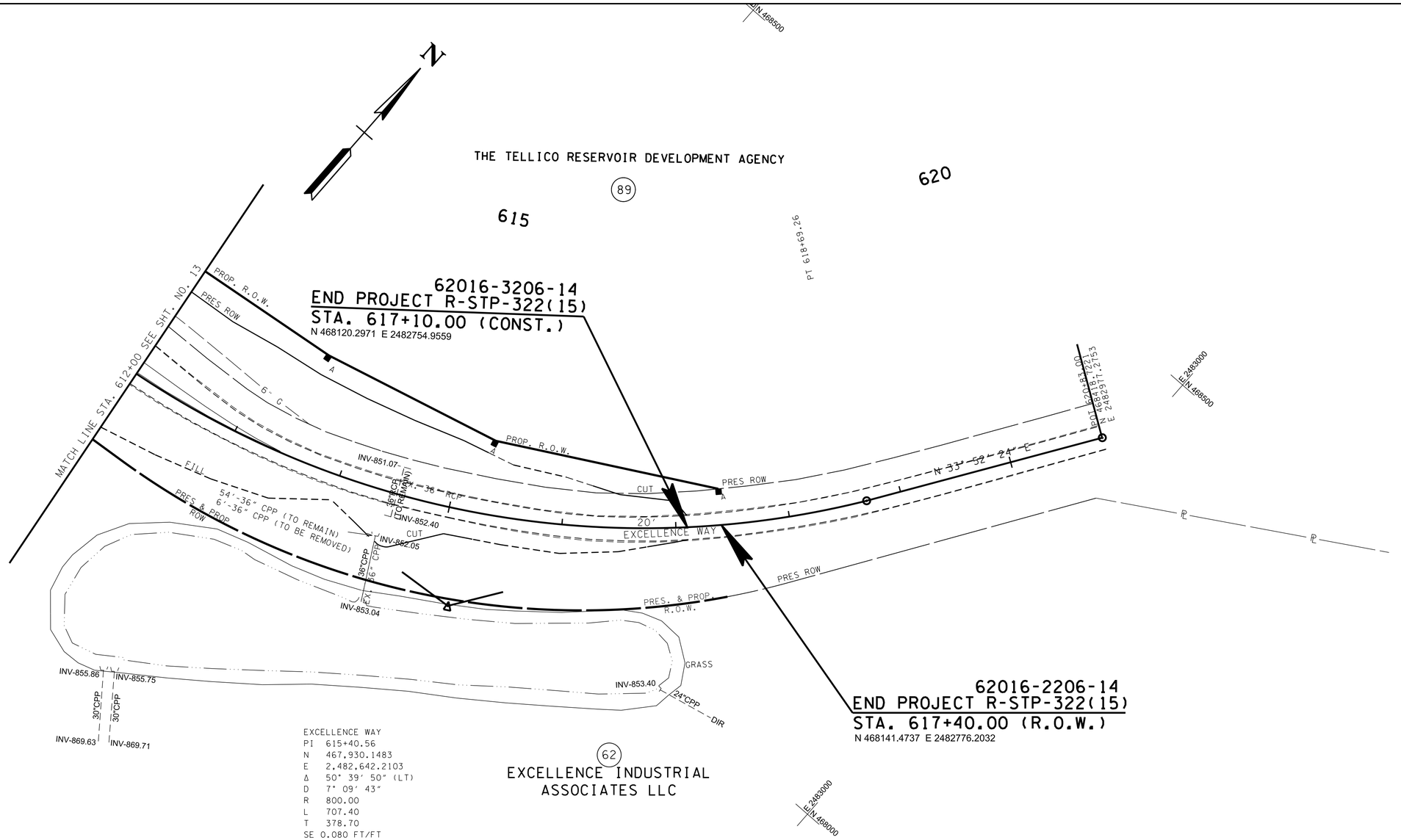
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	14
PS&E	2026	R-STP-322(15)	14



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

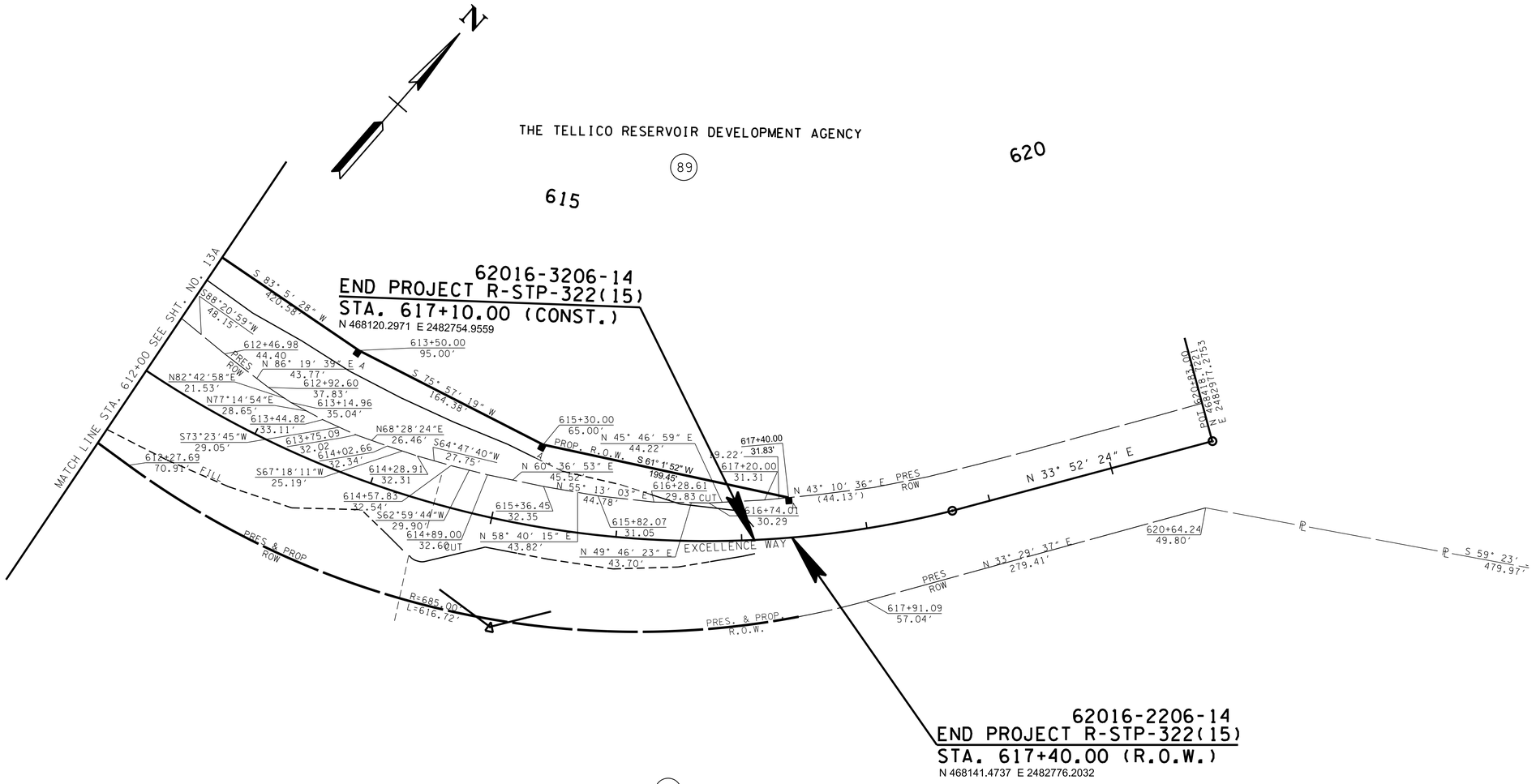
STA. 612+00 TO STA. 619+50

SCALE: 1"=50'

2/24/2026 9:59:47 AM
L:\SURVDES\Design\PROJECTS\MR322-05\014.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	14A
PS&E	2026	R-STP-322(15)	14A

REV. 07-27-23: REVISED R.O.W. CALLS ON EXCELLENCE WAY.



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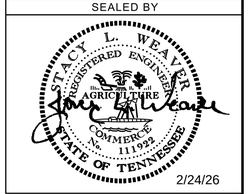

2/24/26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 612+00 TO STA. 619+50

SCALE: 1"= 50'

2/24/2026 9:59:47 AM
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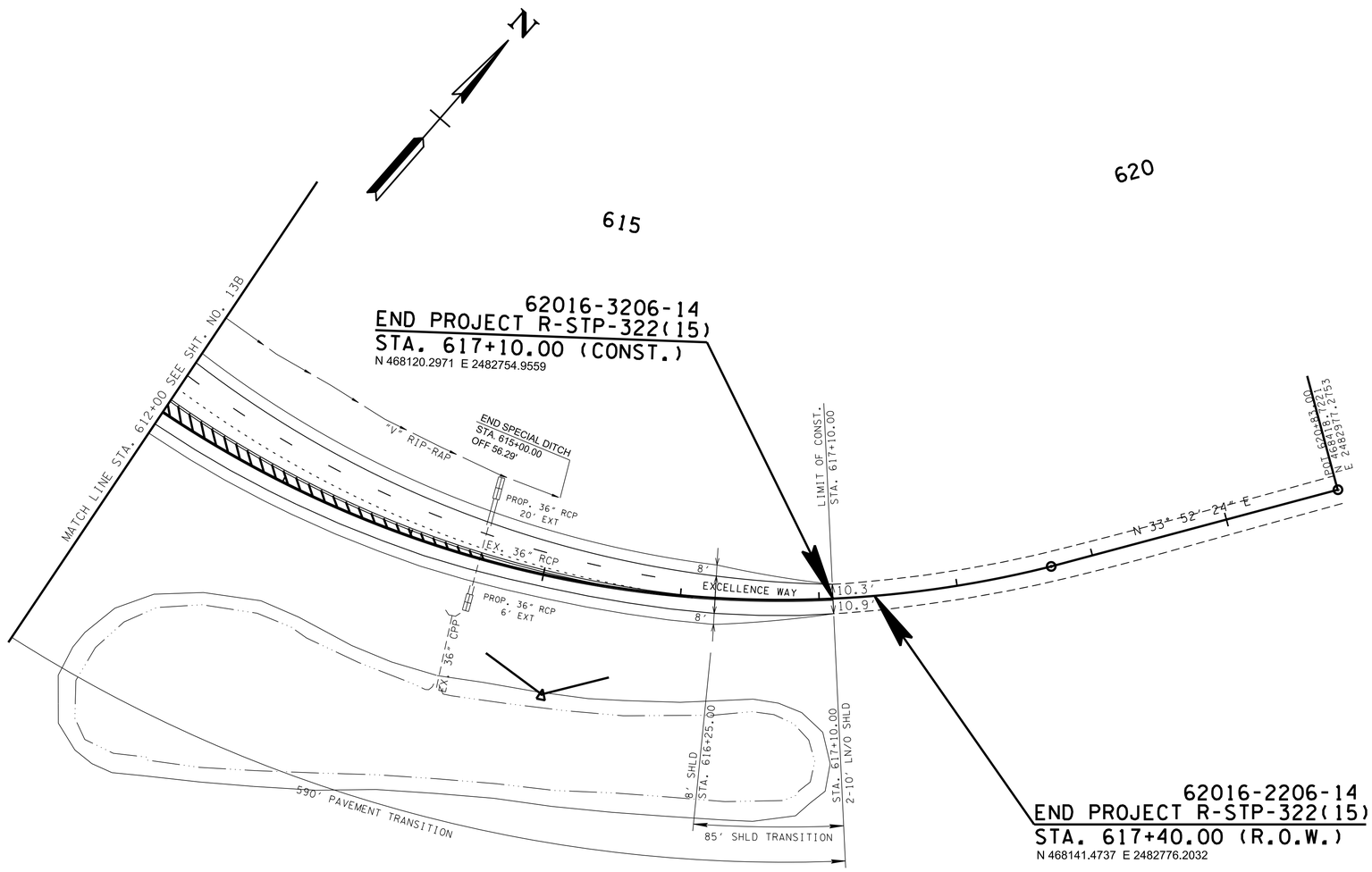
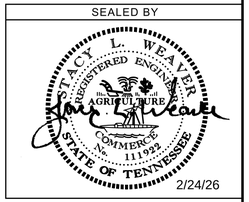
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	14B
PS&E	2026	R-STP-322(15)	14B



PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
SR 322 (EXCELLENCE WAY)		
611+61.86	-2.00	2.00
613+13.90	-5.83	5.83
616+65.30	-5.83	5.83
617+10.00	-3.60	3.60

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 612+00 TO STA. 619+50

SCALE: 1"= 50'

2/24/2026 9:59:48 AM
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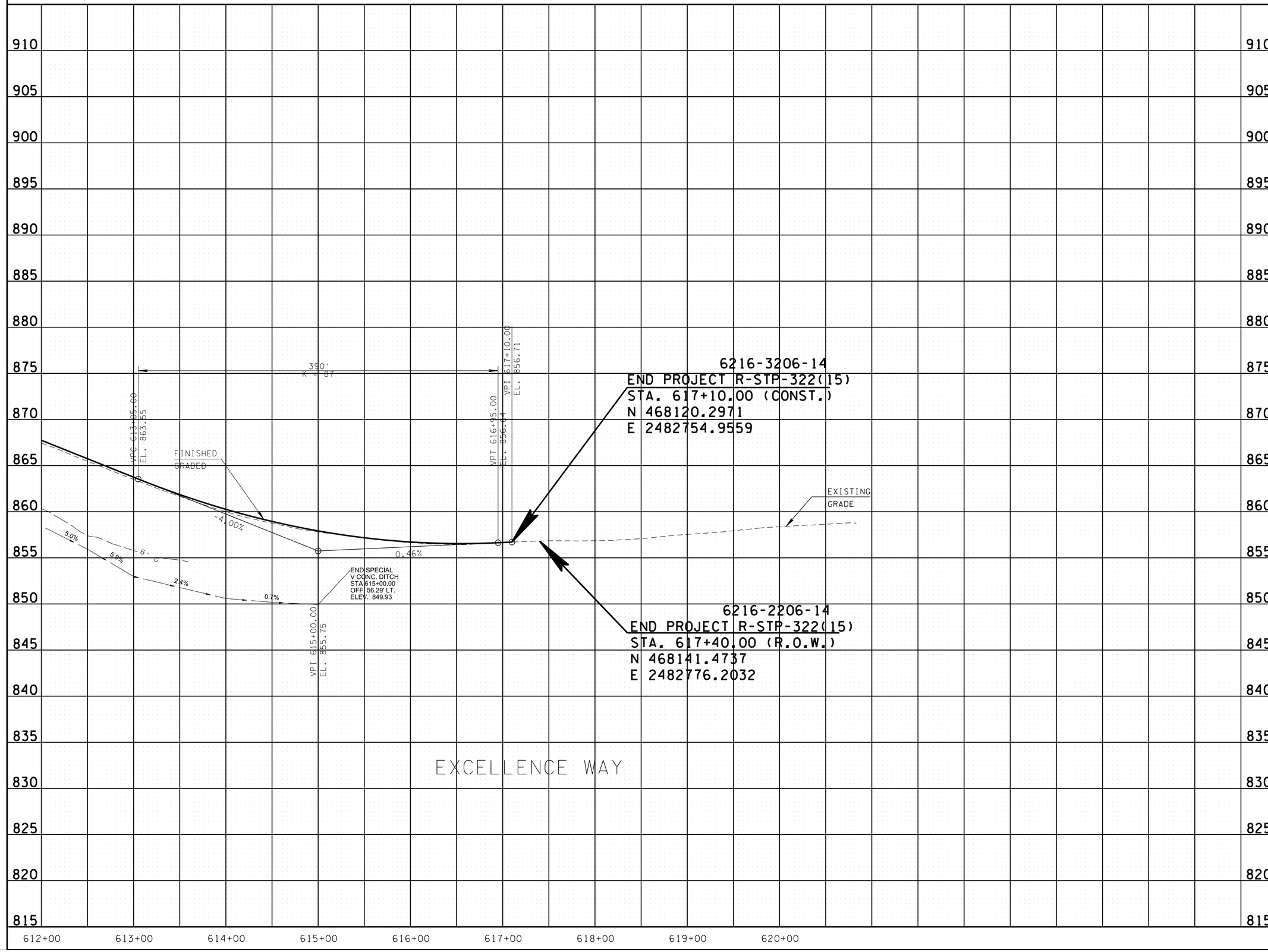
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	14C
PS&E	2026	R-STP-322(15)	14C



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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROPOSED
PROFILE

STA. 612+00 TO STA. 619+50

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

2/24/2026 9:59:49 AM
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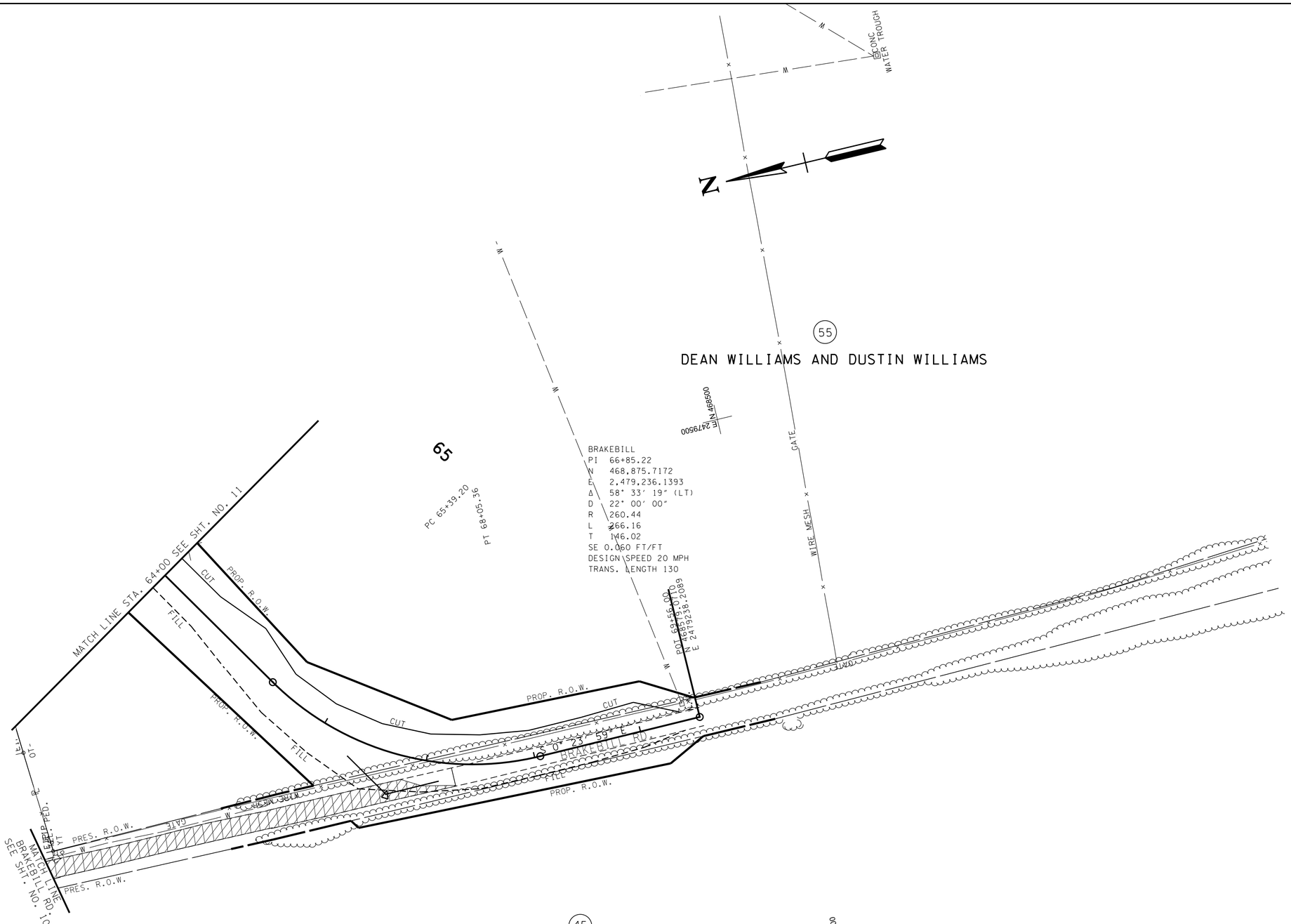
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	15
PS&E	2026	R-STP-322(15)	15

REV. 08-15-24: TRACT 55: ADDED FENCING & WATER TROUGH.



AREA TO BE SCARIFED, OBLITERATED, RESHAPED TOPSOILED AND SEEDED

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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111933
STATE OF TENNESSEE

2/24/26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 64+00 TO STA. 69+40

SCALE: 1"=50'

2/24/2026 9:59:51 AM
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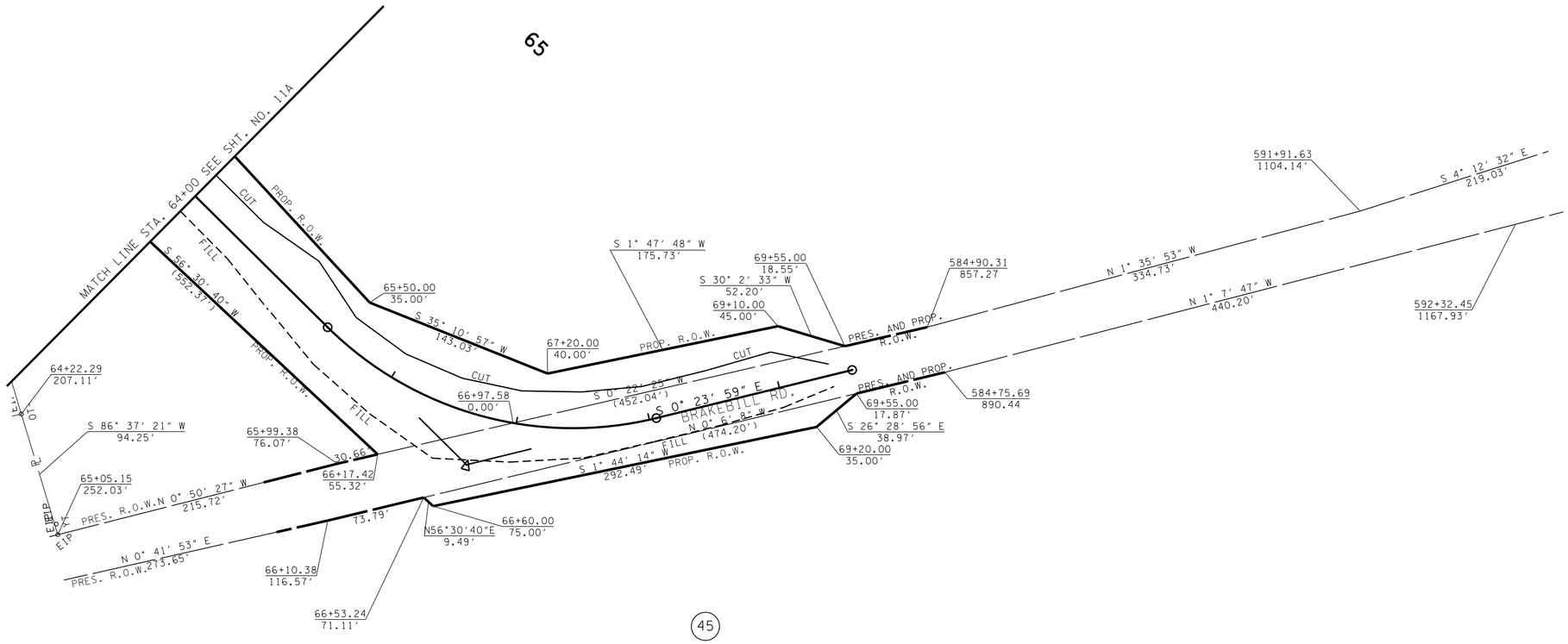
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	15A
PS&E	2026	R-STP-322(15)	15A

REV. 12-10-24: TRACT 55:UPDATED CALLS.



(55)

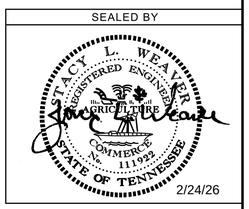
DEAN WILLIAMS AND DUSTIN WILLIAMS



(45)

DEAN WILLIAMS AND
WIFE, BRENDA WILLIAMS

SEALED BY



2/24/26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 64+00 TO STA. 69+40

SCALE: 1"= 50'

2/24/2026 9:59:52 AM
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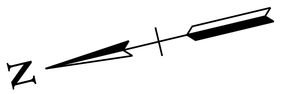
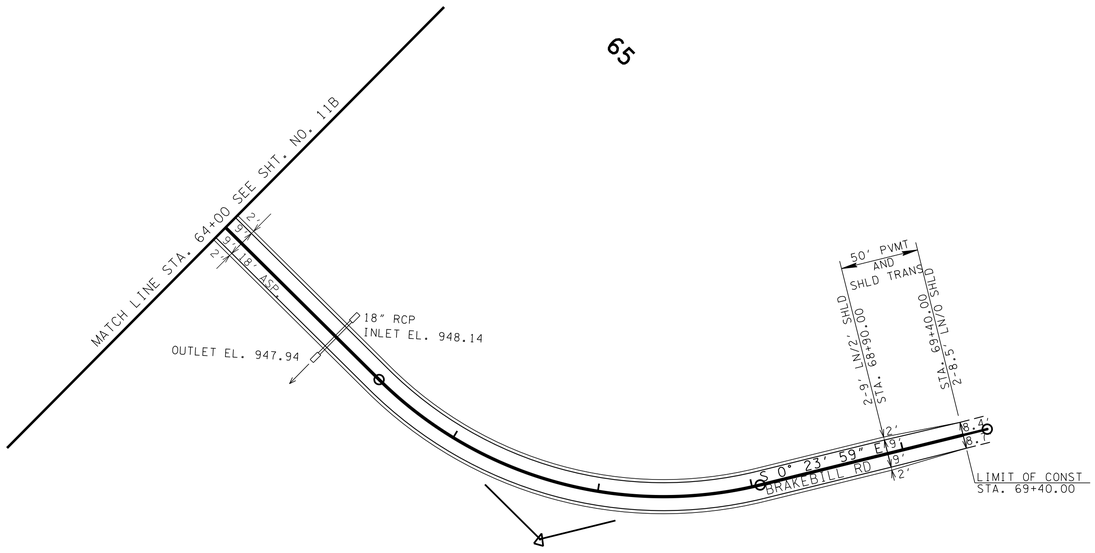
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	15B
PS&E	2026	R-STP-322(15)	15B

PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
BRAKEBILL RD		
61+06.25	-2.00	2.00
64+74.20	-2.00	2.00
65+39.20	-2.00	2.00
66+04.20	-6.00	0.00
67+72.86	-6.00	0.00
68+37.86	-2.00	2.00
69+01.00	-2.00	2.00
69+40.00	-0.40	0.00





SEE SHEET 25 FOR ROAD PROFILE

SEALED BY



2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 64+00 TO STA. 69+40

SCALE: 1"= 50'

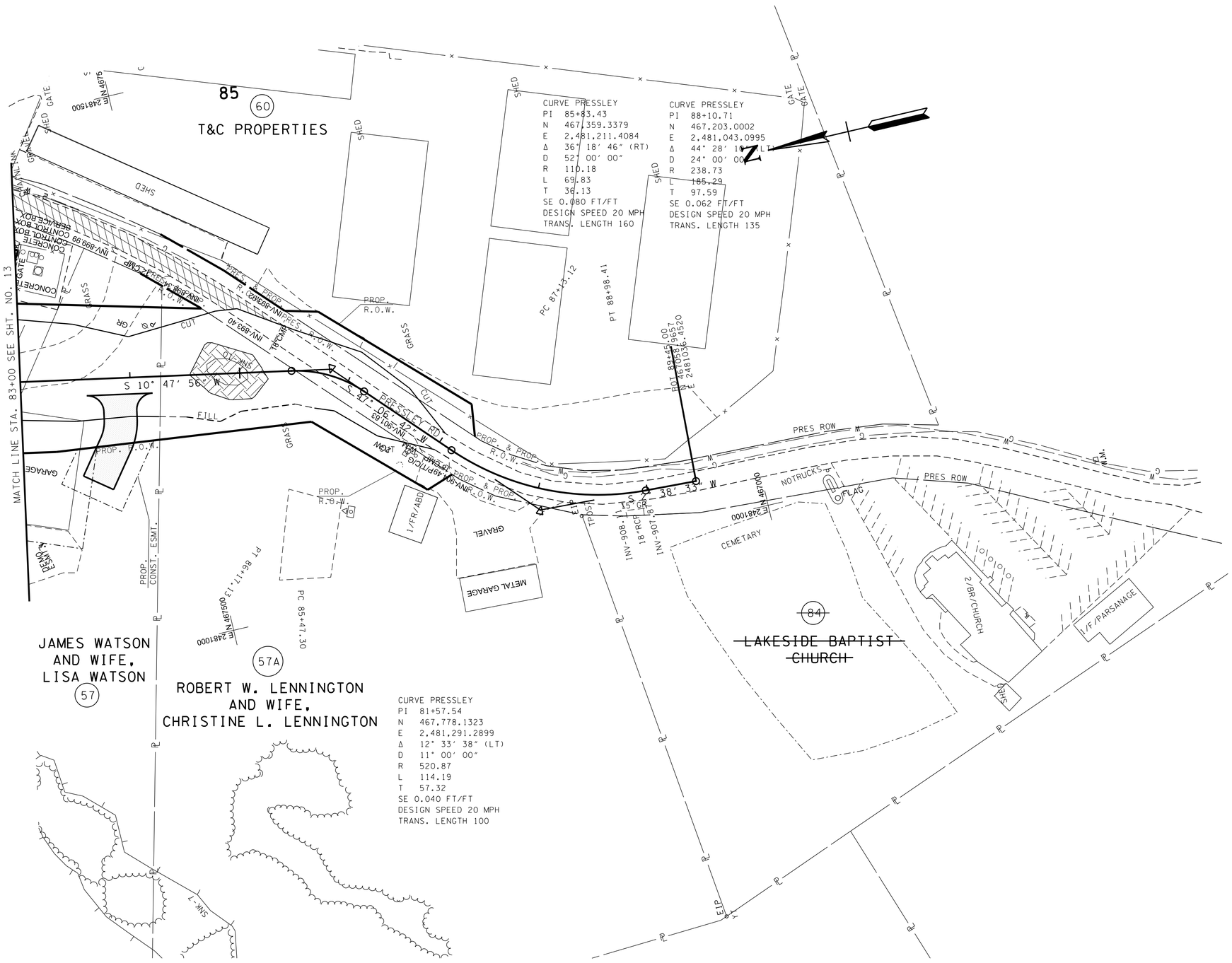
2/24/2026 9:59:52 AM
L:\SURVDES\Design\PROJECTS\MR322-05\015B.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	16
PS&E	2026	R-STP-322(15)	16

REV. 04-04-24: TRACT 57 ADDED TCE FOR DEMO;TRACT 57A ADDED SEPTIC.

REV. 12-10-24: TRACT 57A: NEW OWNER.

REV. 03-24-25: TRACT 57: ADDED DRIVEWAY.



AREA TO BE SCARIFED, OBLITERATED, RESHAPED TOPSOILED AND SEEDED

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
No. 111922
STATE OF TENNESSEE
2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 83+00 TO STA. 89+75

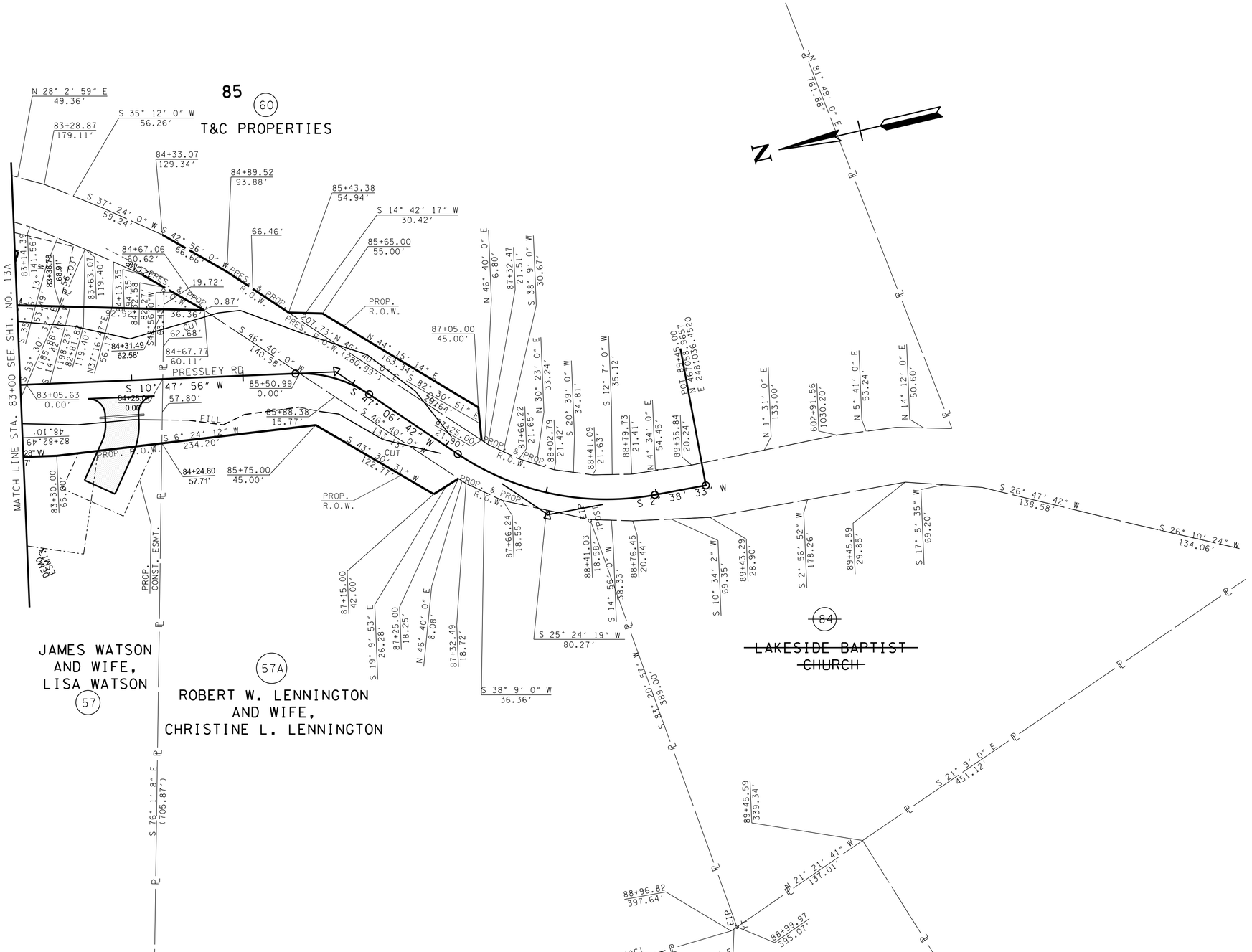
SCALE: 1"=50'

2/24/2026 9:59:54 AM
L:\SURVDES\Design\PROJECTS\MR322-05\016.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	16A
PS&E	2026	R-STP-322(15)	16A

REV. 07-27-23: REMOVED CONST. ESMT. ON TRACT 60; ADDED TRACT 57A; REVISED R.O.W. CALLS ON TRACT 57 AND TRACT 57A; REMOVED EXTRA PROPERTY LINE BETWEEN TRACT 57A AND TRACT 84.

REV. 12-10-24: TRACT 57A: NEW OWNER AND UPDATED CALLS.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 83+00 TO STA. 89+75

SCALE: 1"= 50'

2/24/2026 9:59:55 AM
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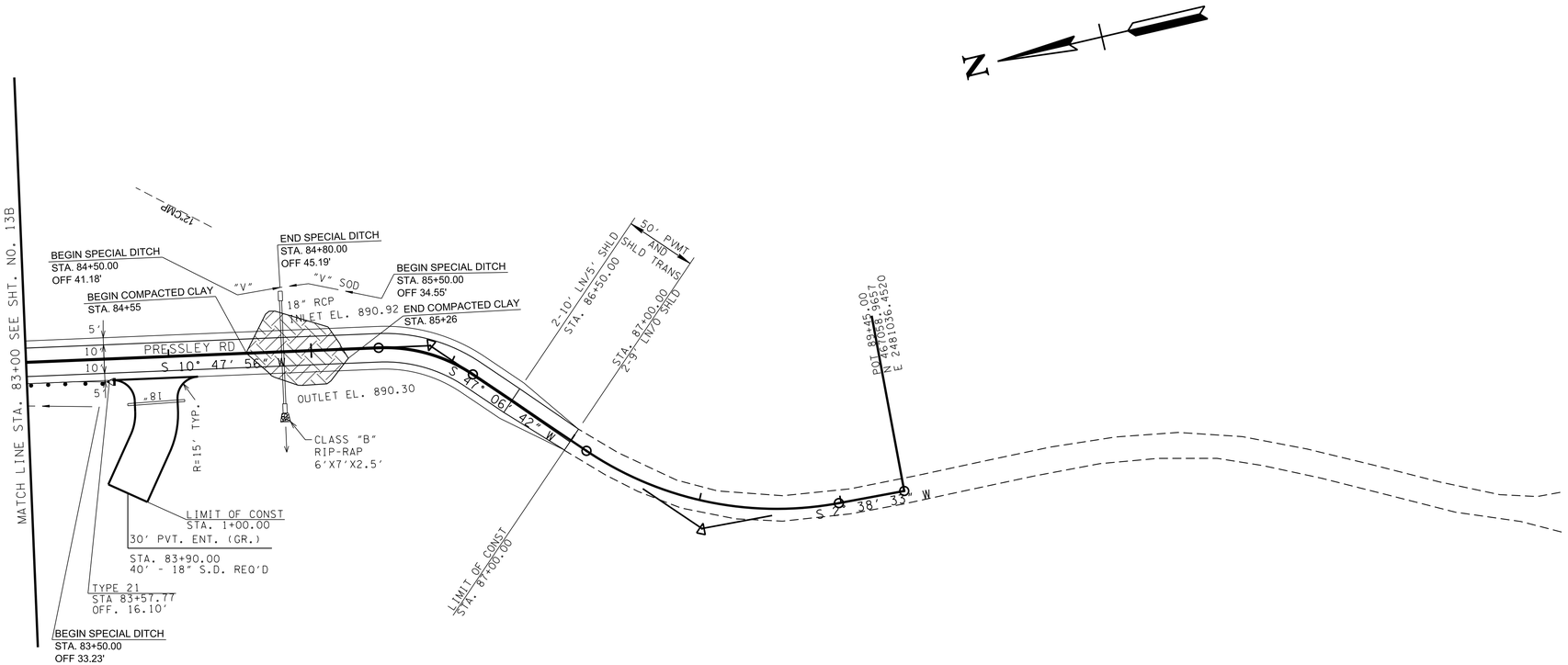
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	16B
PS&E	2026	R-STP-322(15)	16B

REV. 03-24-25: TRACT 57: ADDED DRIVEWAY.

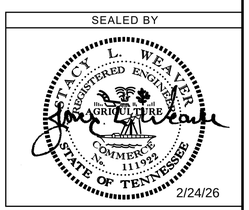
PROPOSED SUPERELEVATION TABLE		
STA.	LEFT	RIGHT
PRESLEY RD		
82+64.41	-2.00	-2.00
84+00.54	-2.00	-2.00
84+64.54	2.00	-2.00
85+60.54	8.00	-8.00
87+00.00	-0.50	0.50

85



SEE SHEET 26 FOR ROAD PROFILE

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 83+00 TO STA. 89+75

SCALE: 1"= 50'

2/24/2026 9:59:56 AM
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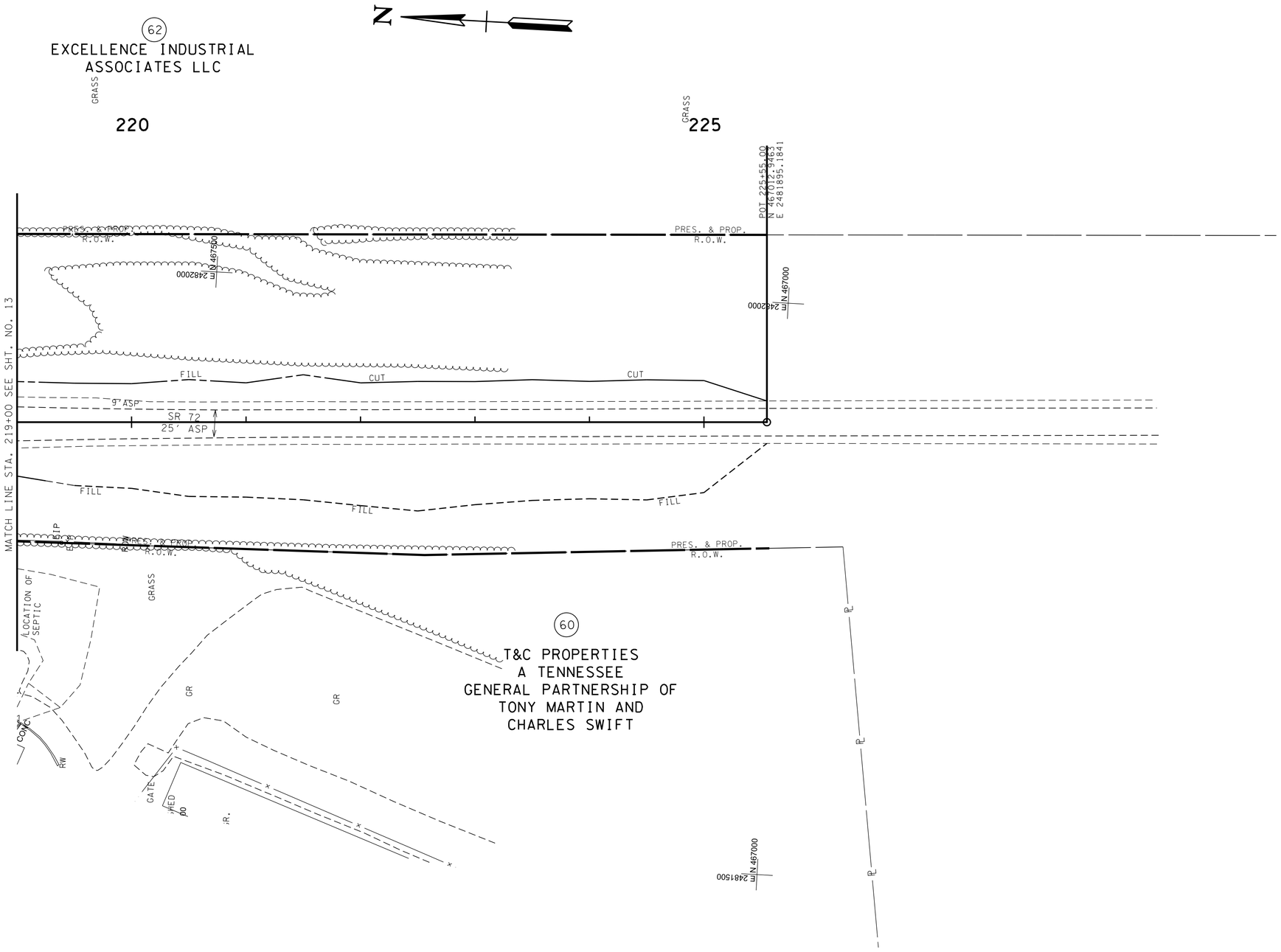
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	17
PS&E	2026	R-STP-322(15)	17

REV. 07-03-24: TRACT 60: ADDED DUMP STATION.

REV. 12-10-24: TRACT 60: UPDATED SEPTIC.

REV. 03-24-25: TRACT 60: NEW OWNER.



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STACY L. WEAVER
REGISTERED ENGINEER
No. 111922
STATE OF TENNESSEE
2/24/26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

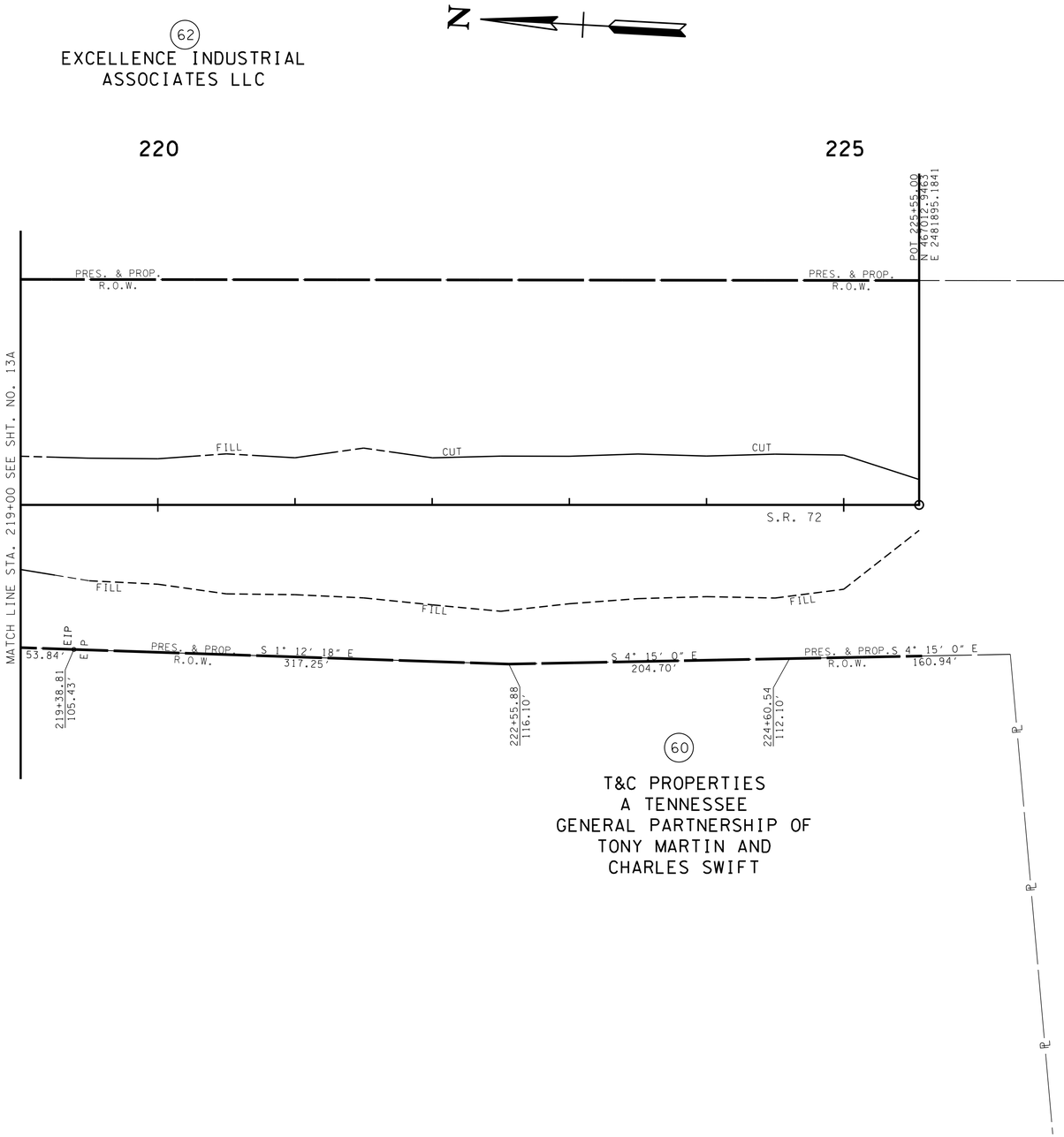
STA. 219+00 TO STA. 225+55

SCALE: 1"=50'

2/24/2026 9:59:57 AM
L:\SURVDES\Design\PROJECTS\MR322-05\017.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	17A
PS&E	2026	R-STP-322(15)	17A

REV. 03-24-25: TRACT 60: NEW OWNER.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 219+00 TO STA. 225+55

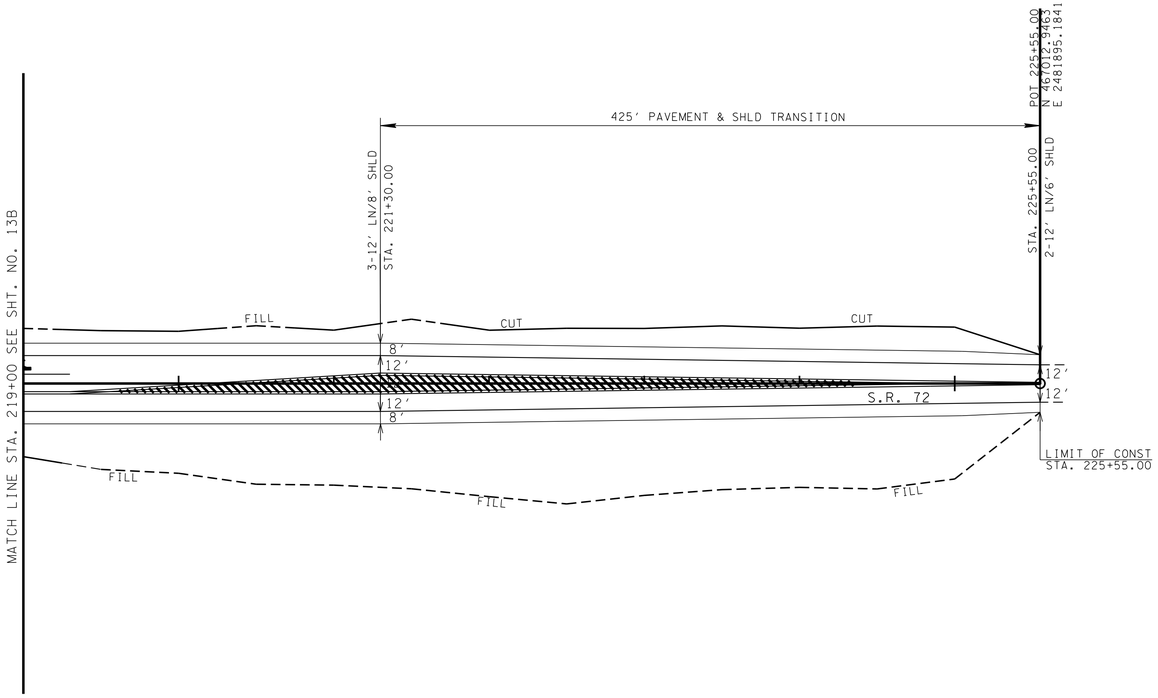
SCALE: 1"= 50'

2/24/2026 9:59:58 AM
L:\SURVDES\Design\PROJECTS\MR322-05\017A.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	17B
PS&E	2026	R-STP-322(15)	17B

220

225



SEE SHEET 28 FOR ROAD PROFILE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 219+00 TO STA. 225+55

SCALE: 1"= 50'

2/24/2026 9:59:58 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	18
PS&E	2026	R-STP-322(15)	18

REV. 08-15-24: TRACT 58: ADDED PAD & BUILDING.

REV. 03-24-25: TRACT 58: NEW OWNER.

REV. 10-01-25: TRACT 58: ADDED DRIVEWAY RADIUS.

88

~~OSCAR CUMMINGS AND WIFE~~
~~BELLAH MAE CUMMINGS~~

205

NOTE: R.O.W. FROM HERE TO EXCEL. WAY PULLED OFF OLD PLANS, ONLY USE AS A REFERENCE

210

MATCH LINE STA. 210+00 SEE SHT. NO. 13

MATCH LINE STA. 80+15 SEE SHT. NO. 19

58

AMSDELL STORAGE
VENTURES 89, LLC

55

DEAN WILLIAMS AND DUSTIN WILLIAMS

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-123	469680.948	2481410.960	940.035	593+58.17	1531.53' (LT)
62-322-124	469273.242	2481615.779	920.166	202+82.82	155.51' (RT)
62-322-125	468692.408	2481823.842	899.085	208+74.15	20.51' (LT)
62-322-126	469514.345	2481781.616	915.356	200+51.13	23.25' (LT)

AREA TO BE SCARIFED, OBLITERATED, RESHAPED TOPSOILED AND SEEDED

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STACY L. WEAVER
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
No. 111933
STATE OF TENNESSEE

2/24/26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 202+50 TO STA. 210+00

SCALE: 1"=50'

2/24/2026 9:59:59 AM
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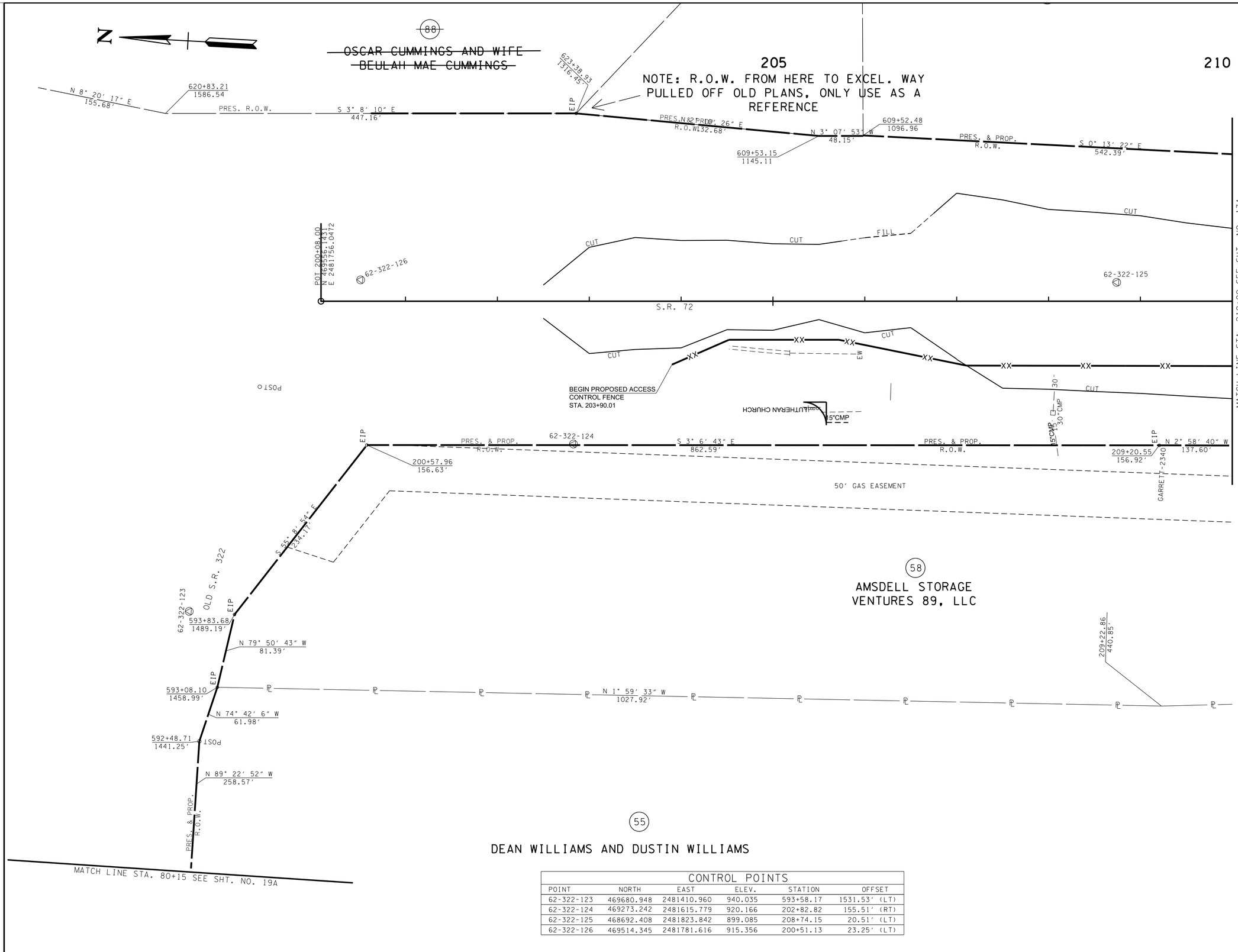
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	18A
PS&E	2026	R-STP-322(15)	18A

REV. 03-24-25: TRACT 58: NEW OWNER.



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-123	469680.948	2481410.960	940.035	593+58.17	1531.53' (LT)
62-322-124	469273.242	2481615.779	920.166	202+82.82	155.51' (RT)
62-322-125	468692.408	2481823.842	899.085	208+74.15	20.51' (LT)
62-322-126	469514.345	2481781.616	915.356	200+51.13	23.25' (LT)

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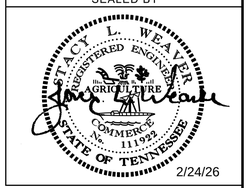

2/24/26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 202+50 TO STA. 210+00

SCALE: 1"= 50'

2/24/2026 9:59:59 AM
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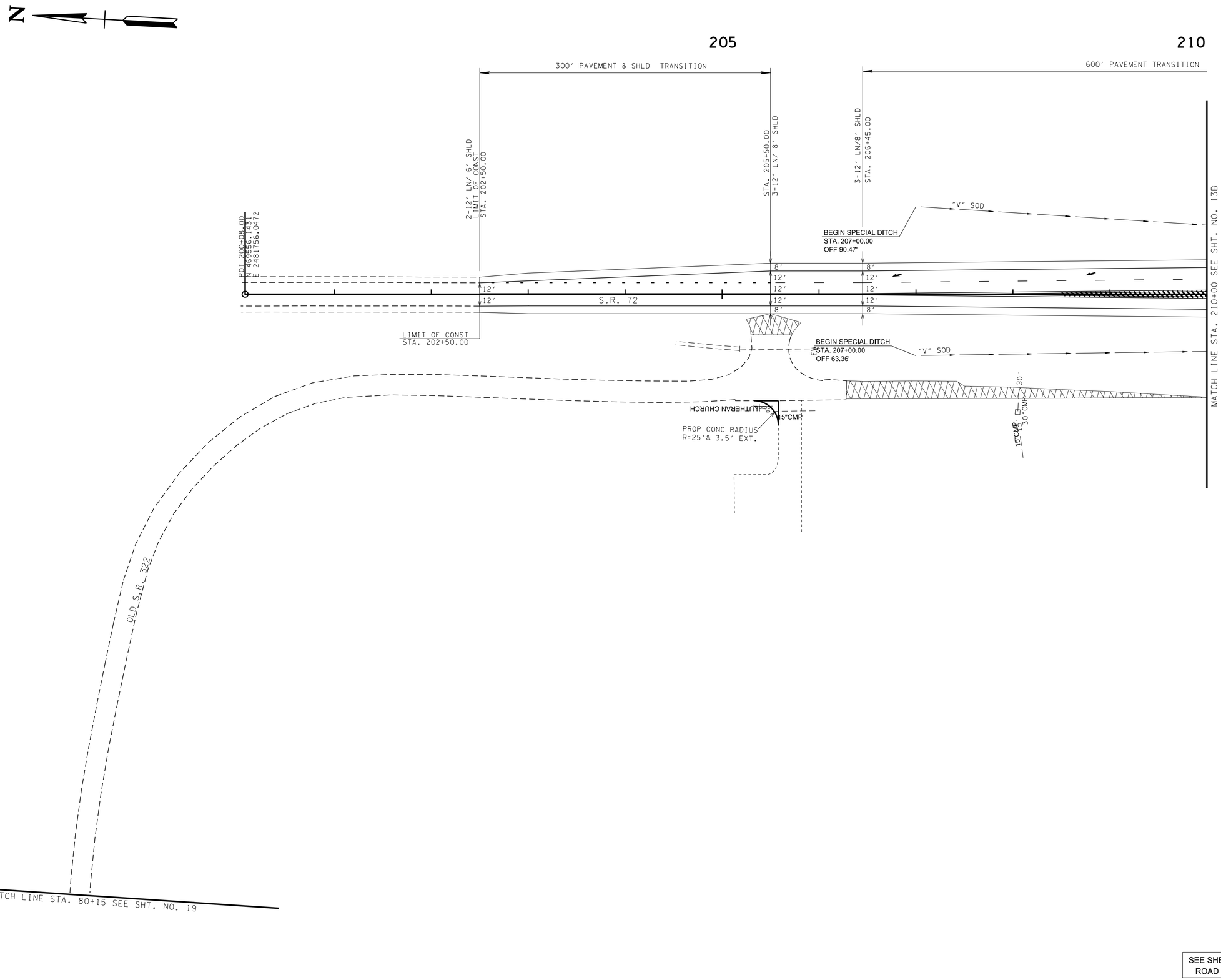
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	18B
PS&E	2026	R-STP-322(15)	18B

REV. 10-01-25: TRACT 58: ADDED DRIVEWAY RADIUS.



SEE SHEET 27 FOR ROAD PROFILE

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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111992
STATE OF TENNESSEE

2/24/26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 202+50 TO STA. 210+00

SCALE: 1"= 50'

2/24/2026 10:00:00 AM
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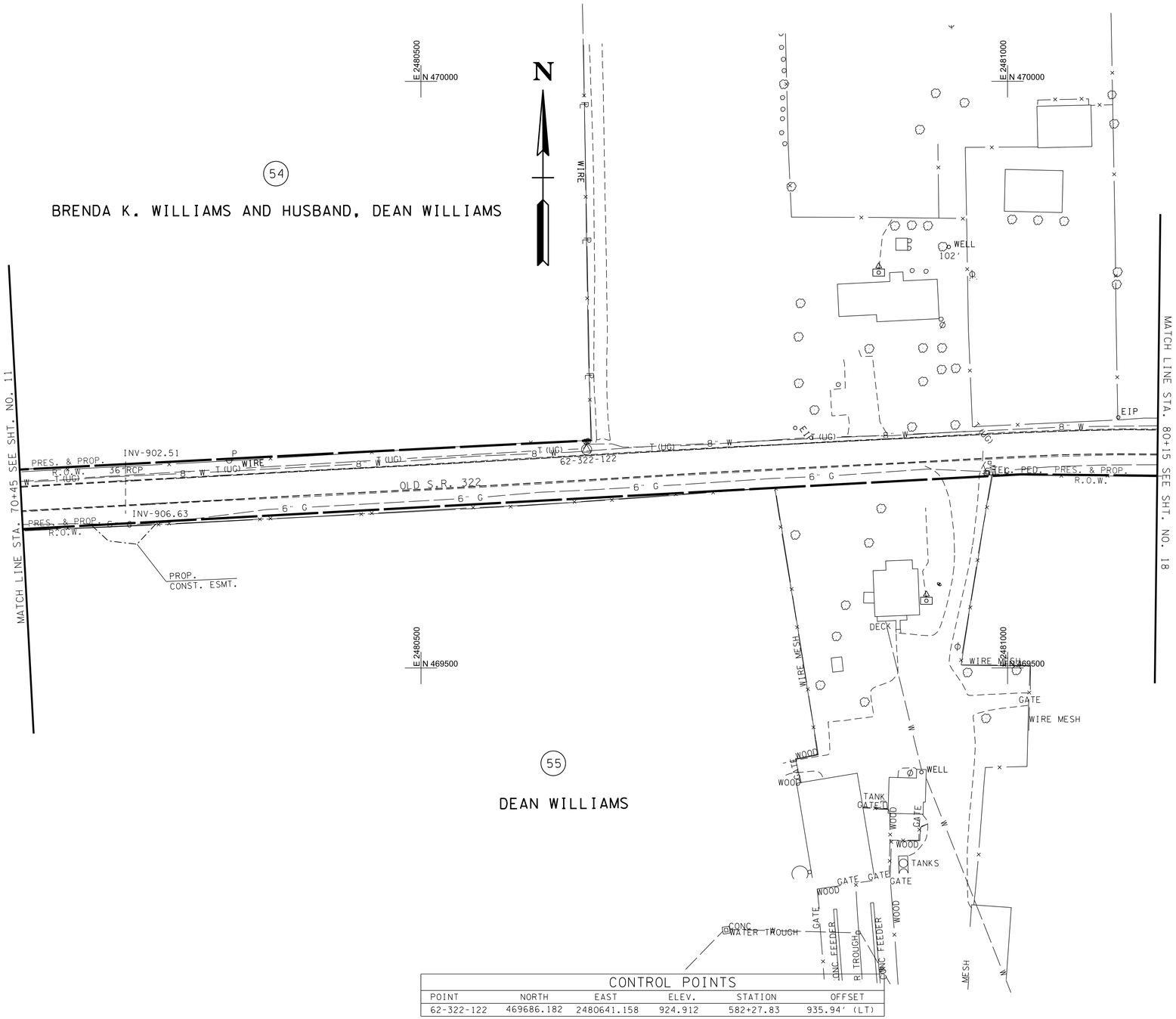
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	19
PS&E	2026	R-STP-322(15)	19



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-122	469686.182	2480641.158	924.912	582+27.83	935.94' (LT)

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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
111932
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 70+45 TO STA. 80+15

SCALE: 1"=50'

2/24/2026 10:00:01 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	19A
PS&E	2026	R-STP-322(15)	19A



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-122	469686.182	2480641.158	924.912	582+27.83	935.94′ (LT)

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
No. 111933
STATE OF TENNESSEE
2/24/26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 70+45 TO STA. 80+15

SCALE: 1"= '

2/24/2026 10:00:02 AM
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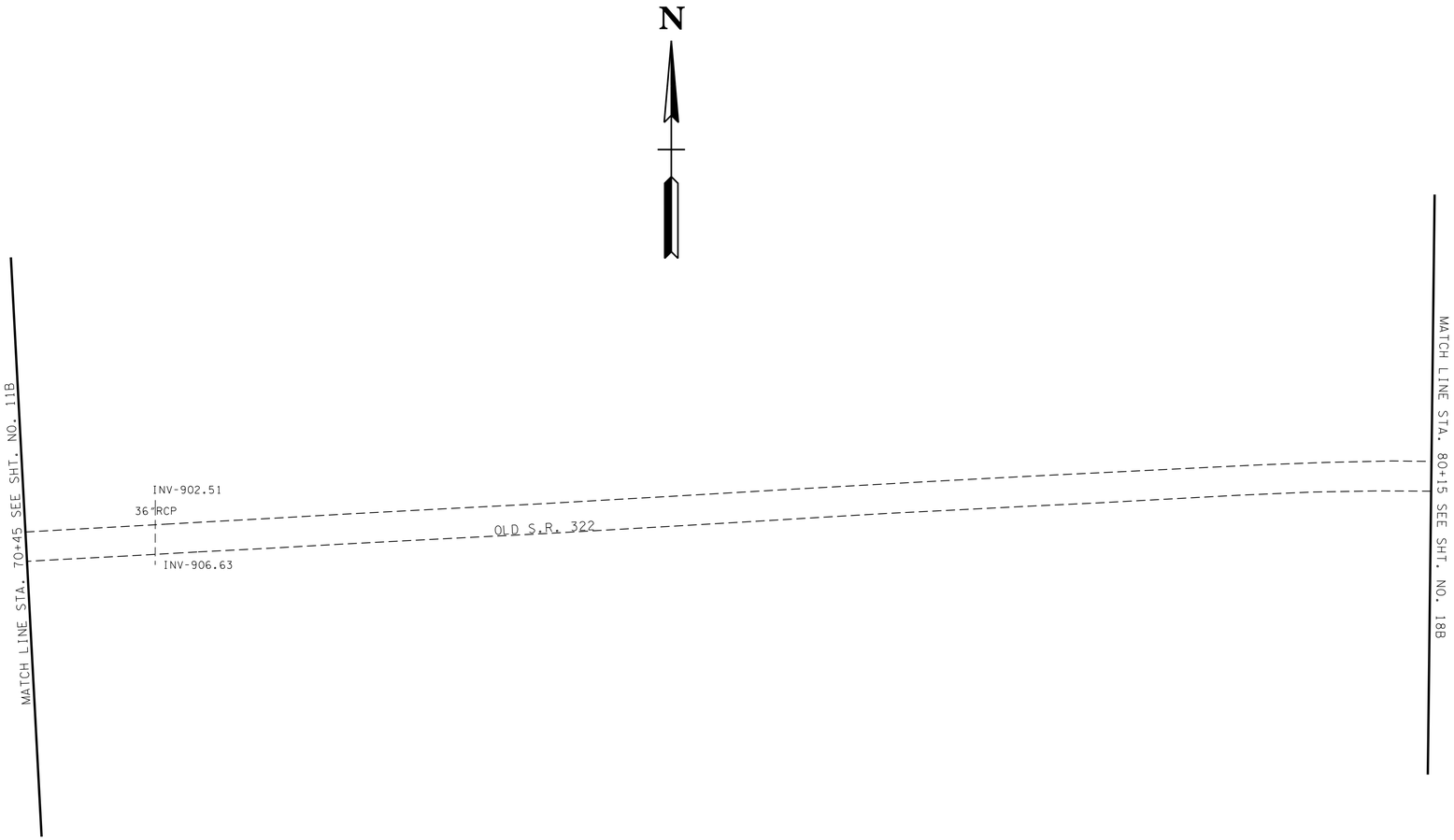
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W	2022	R-STP-322(15)	19B
PS&E	2026	R-STP-322(15)	19B



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AGRICULTURE
COMMERCE
111932
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 70+45 TO STA. 80+15

SCALE: 1"= 50'

2/24/2026 10:00:16 AM
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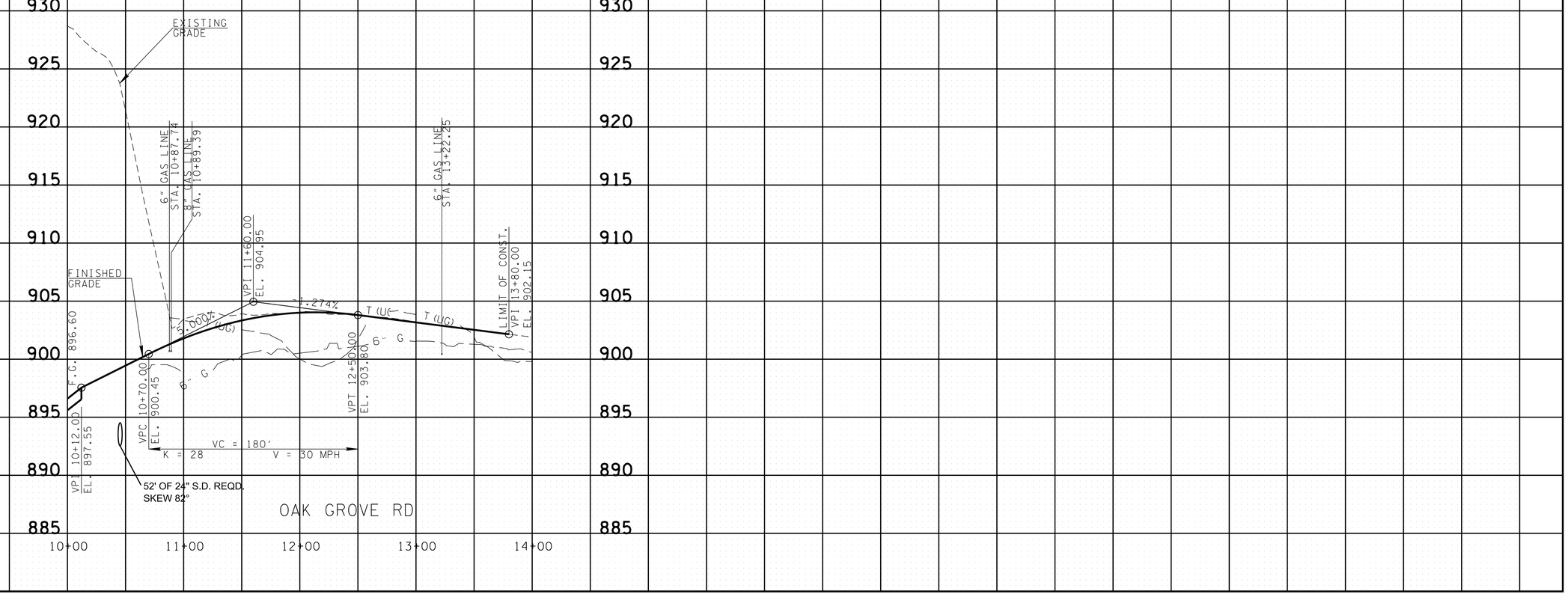
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	20
PS&E	2026	R-STP-322(15)	20



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STACY L. WEAVER
REGISTERED ENGINEER
No. 111932
COMMERCE
AGRICULTURE
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

2/24/2026 10:00:16 AM
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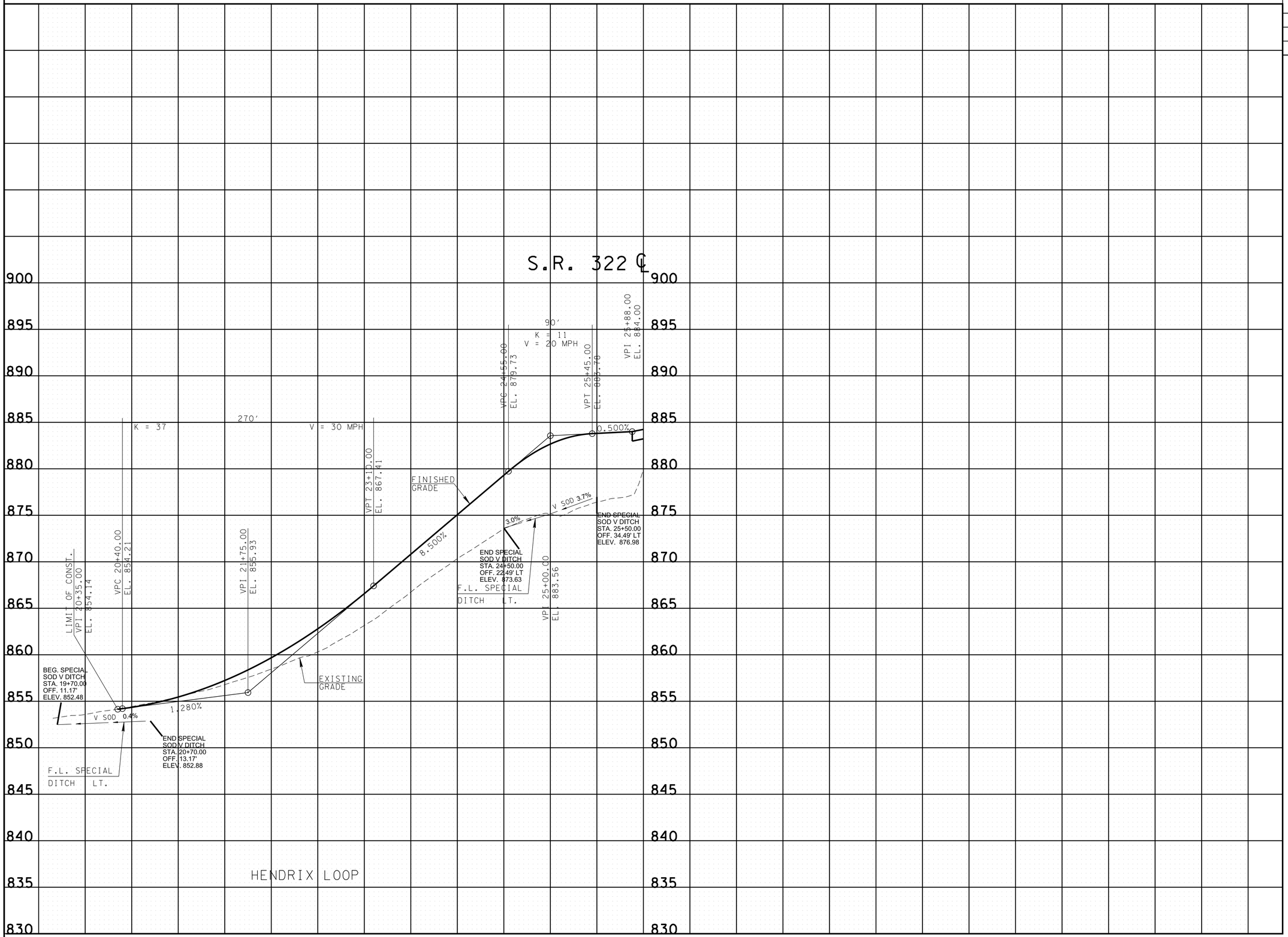
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	21
PS&E	2026	R-STP-322(15)	21



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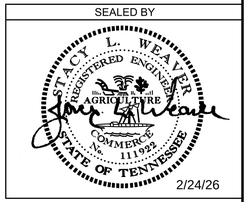


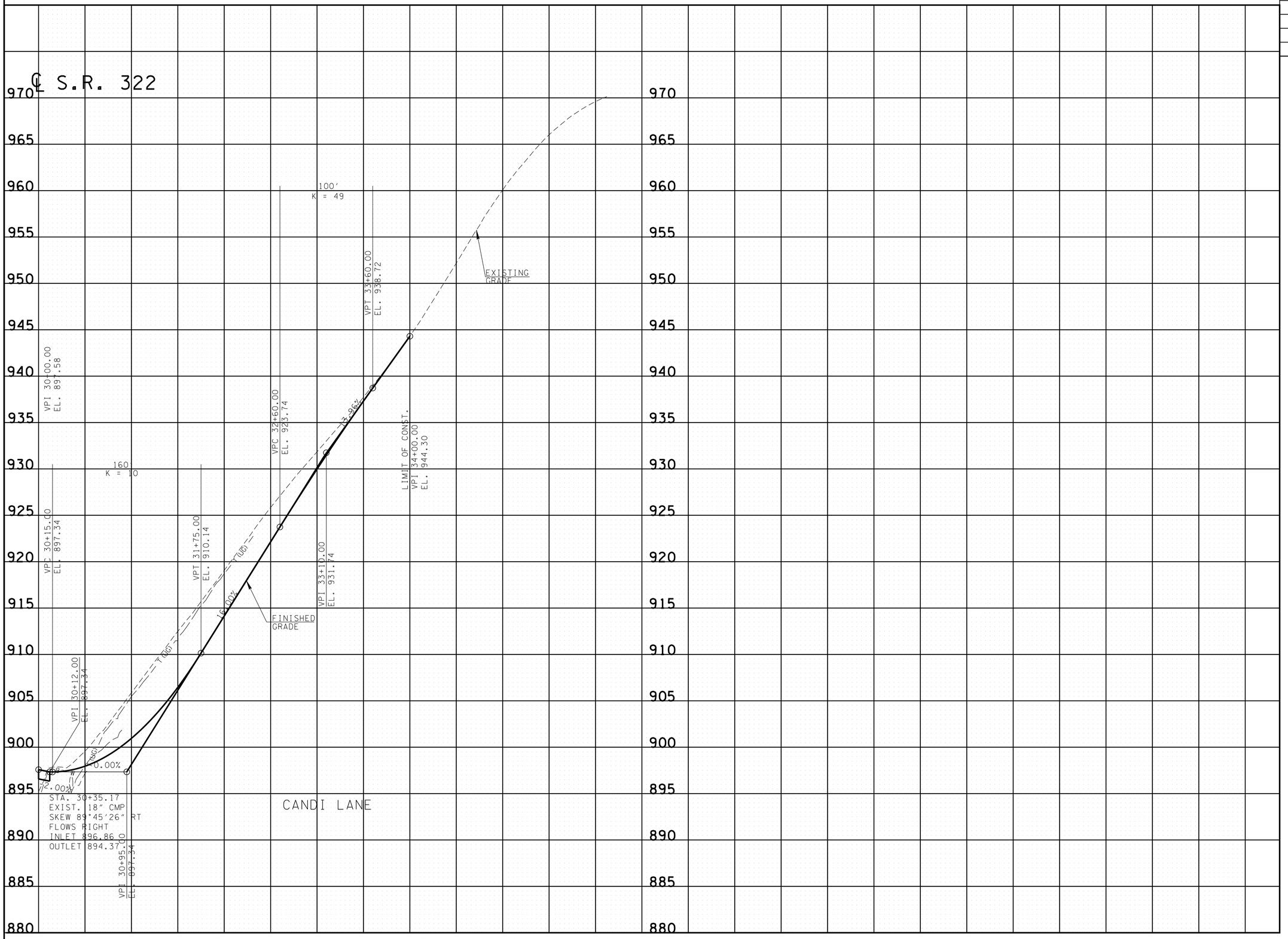
2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	22
PS&E	2026	R-STP-322(15)	22



2/24/2026 10:00:18 AM
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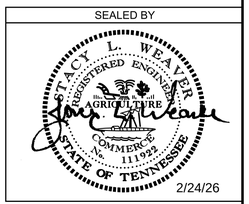
SEALED BY



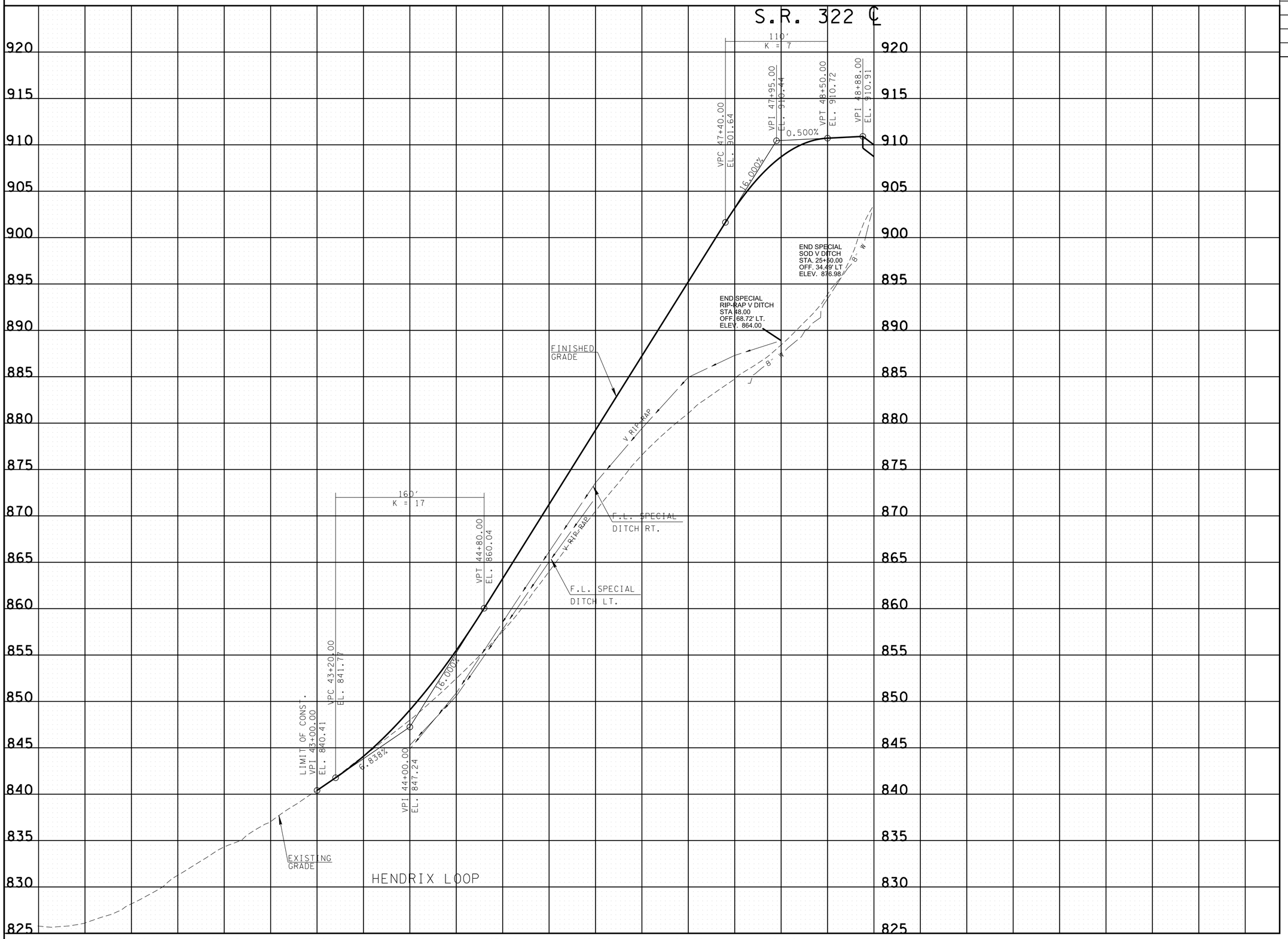
2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	23
PS&E	2026	R-STP-322(15)	23



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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

SIDE ROAD
PROFILES

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

2/24/2026 10:00:18 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	24
PS&E	2026	R-STP-322(15)	24

S.R. 322 ℄

OLD S.R. 322

LAKESIDE RD

LIMIT OF CONST.
VPI 70+32.00
EL. 918.96

VPC 71+27.00
EL. 923.94

VC = 70'
K = 39

VPT 71+97.00
EL. 928.25

VPI 71+62.00
EL. 925.78

5.24%

7.00%

FINISHED GRADE

EXISTING GRADE

VPI 74+30.00
EL. 944.54

VPT 74+88.00
EL. 945.12

1.00%

VPC 74+05.00
EL. 942.79

VPT 74+55.00
EL. 944.79

VC = 50'
K = 8

LIMIT OF CONST.
VPI 50+85.00
EL. 930.62

VPC 52+35.00
EL. 923.35

VC = 170'
K = 39

VPT 54+05.00
EL. 918.81

VPI 54+38.00
EL. 918.65

VPI 54+62.00
EL. 920.49

-4.850%

-0.500%

VPI 53+20.00
EL. 919.24

F.L. SPECIAL DITCH RT.

F.L. SPECIAL DITCH LT.

SLR. 322 568+10.00
LAKESIDE RD 54+10.00

VPC 56+25.00
EL. 921.31

VC = 250'
K = 68

0.500%

VPI 57+50.00
EL. 921.93

4.16%

VPT 58+75.00
EL. 927.14

LIMIT OF CONST.
VPI 59+40.00
EL. 929.84

8" W (HDI)
8" W (UC)
8" W (UG)
T (UG)
T (OH)
F.L. (UG)
6" G

69+50 70+00 71+00 72+00 73+00 74+00 75+00 49+50 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00 60+00

960 955 950 945 940 935 930 925 920 915 910 905

SEALED BY

JACK L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
111992
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

2/24/2026 10:00:19 AM
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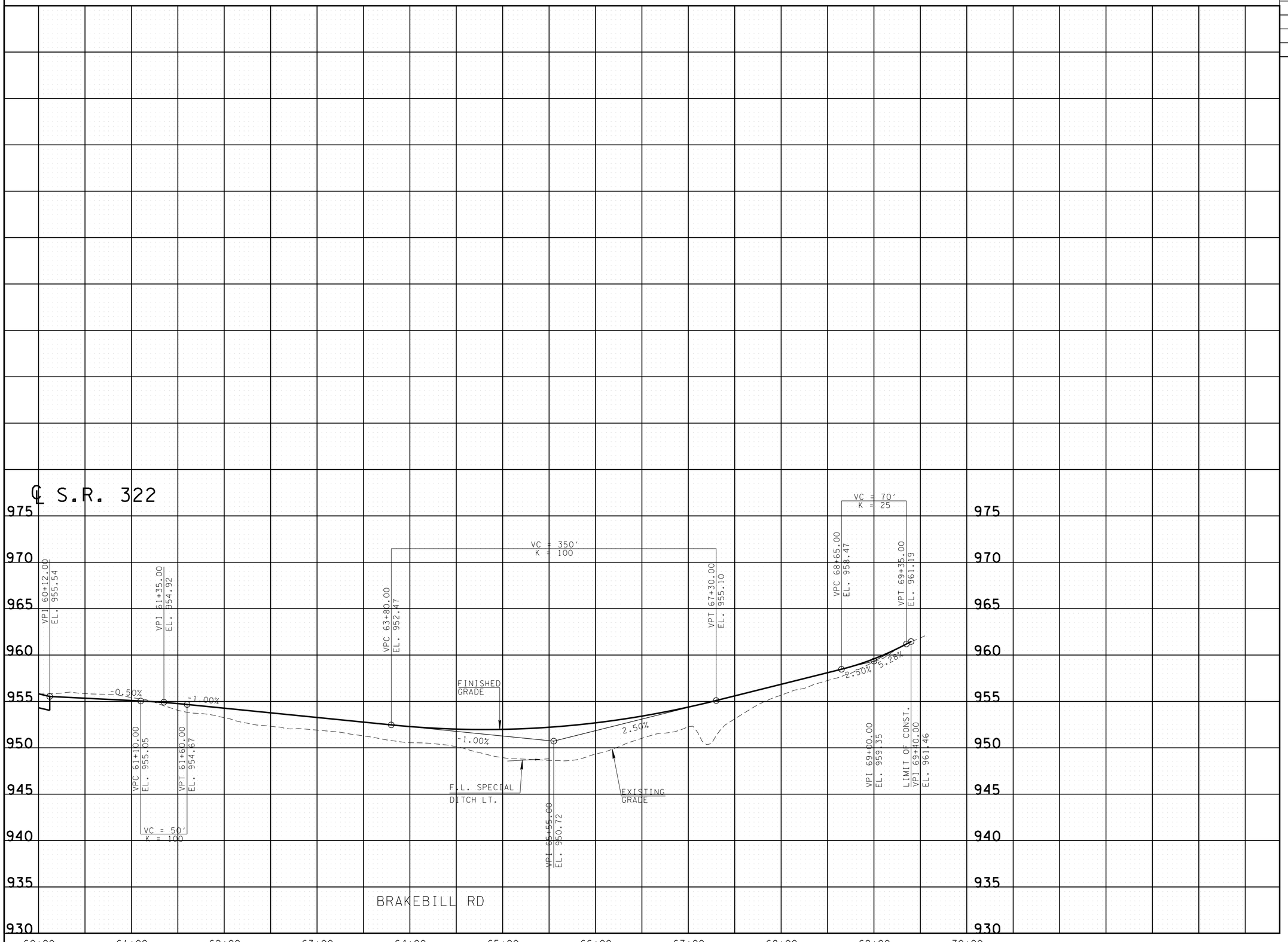
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	25
PS&E	2026	R-STP-322(15)	25



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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 111922
STATE OF TENNESSEE

2/24/26

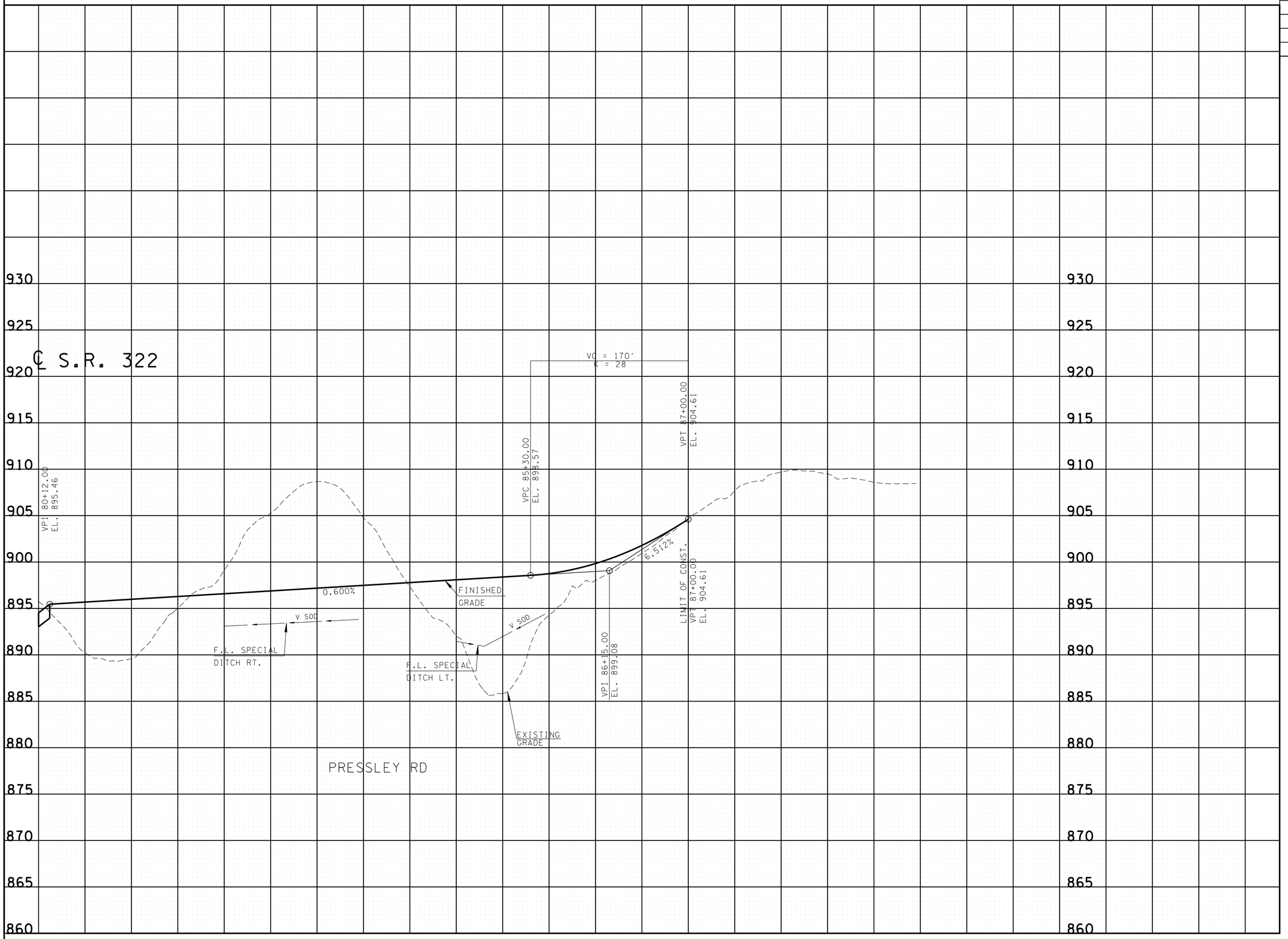
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

2/24/2026 10:00:20 AM
L:\SURVDES\Design\PROJECTS\MR322-051025.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	26
PS&E	2026	R-STP-322(15)	26



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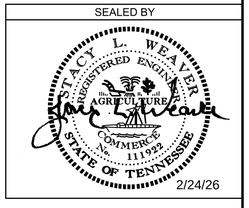

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

2/24/2026 10:00:21 AM
L:\SURVDESIDesign\PROJECTS\MR322-050126.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	27
PS&E	2026	R-STP-322(15)	27

945 940 935 930 925 920 915 910 905 900 895 890 885 880 875 870 865 860 855 850

201+00 202+00 203+00 204+00 205+00 206+00 207+00 208+00 209+00 210+00 211+00 212+00 213+00

6" C

LIMIT OF CONST.
VPI 202+50.00
EL. 911.86

FINISHED GRADE

EXISTING GRADE

-1.94%

BEGIN SPECIAL SOD V DITCH
STA 207+00.00
OFF. 63.36'

F.L. SPECIAL DITCH LT.

1.6%

V SOD

0.7%

V SOD

V RIP-RAP BEGINS HERE

BEGIN SPECIAL SOD V DITCH
STA 207+00.00
OFF. 90.47'

V SOD

6" C

V RIP-RAP

END SPECIAL SOD V DITCH
STA 212+00.00
OFF. 58.56'

F.L. SPECIAL DITCH RT.

S.R. 72

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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE &
No. 111992
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

2/24/2026 10:00:22 AM
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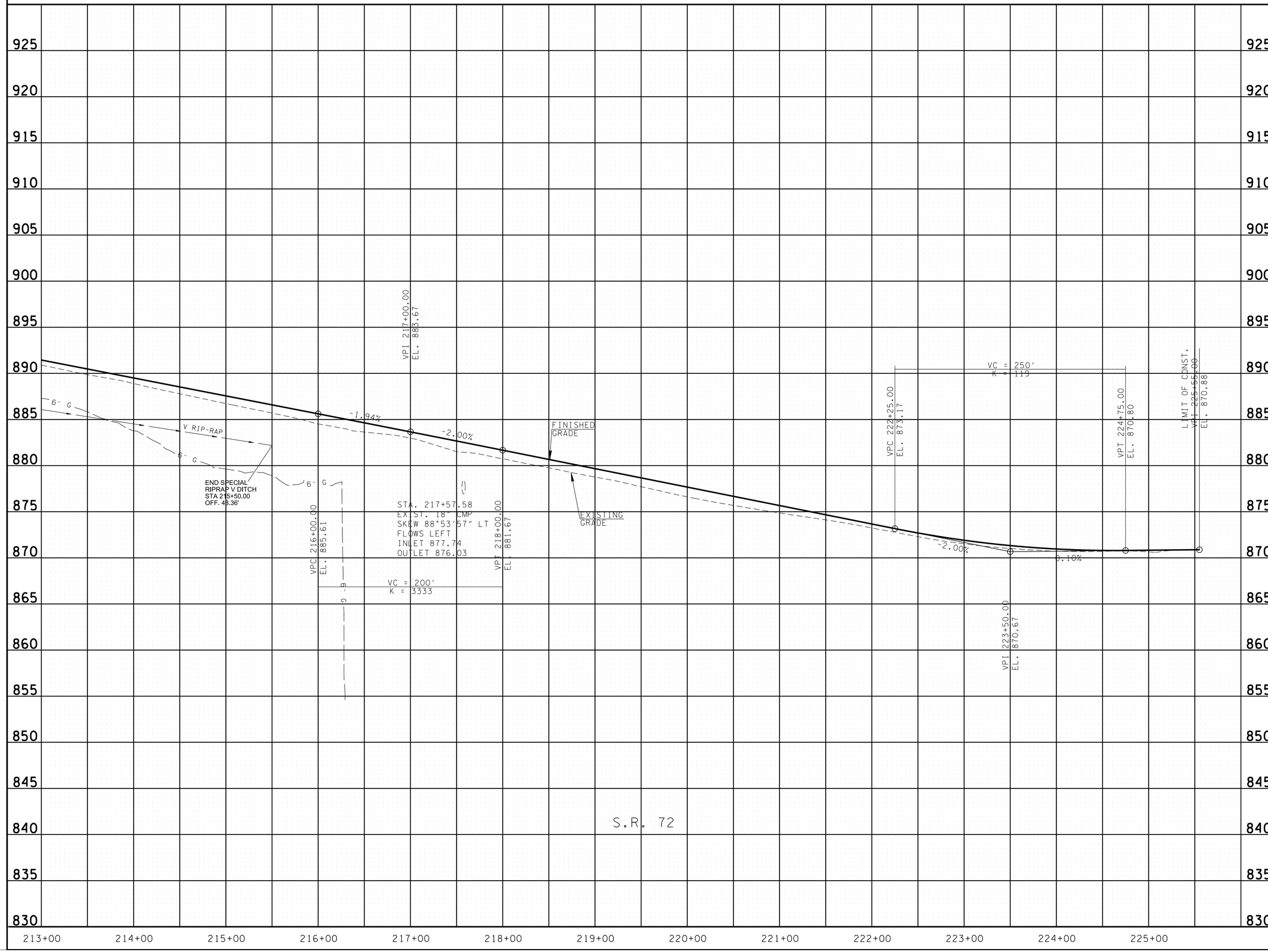
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	28
PS&E	2026	R-STP-322(15)	28



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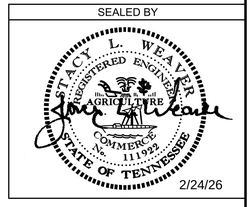

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIDE ROAD PROFILES

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

2/24/2026 10:00:22 AM
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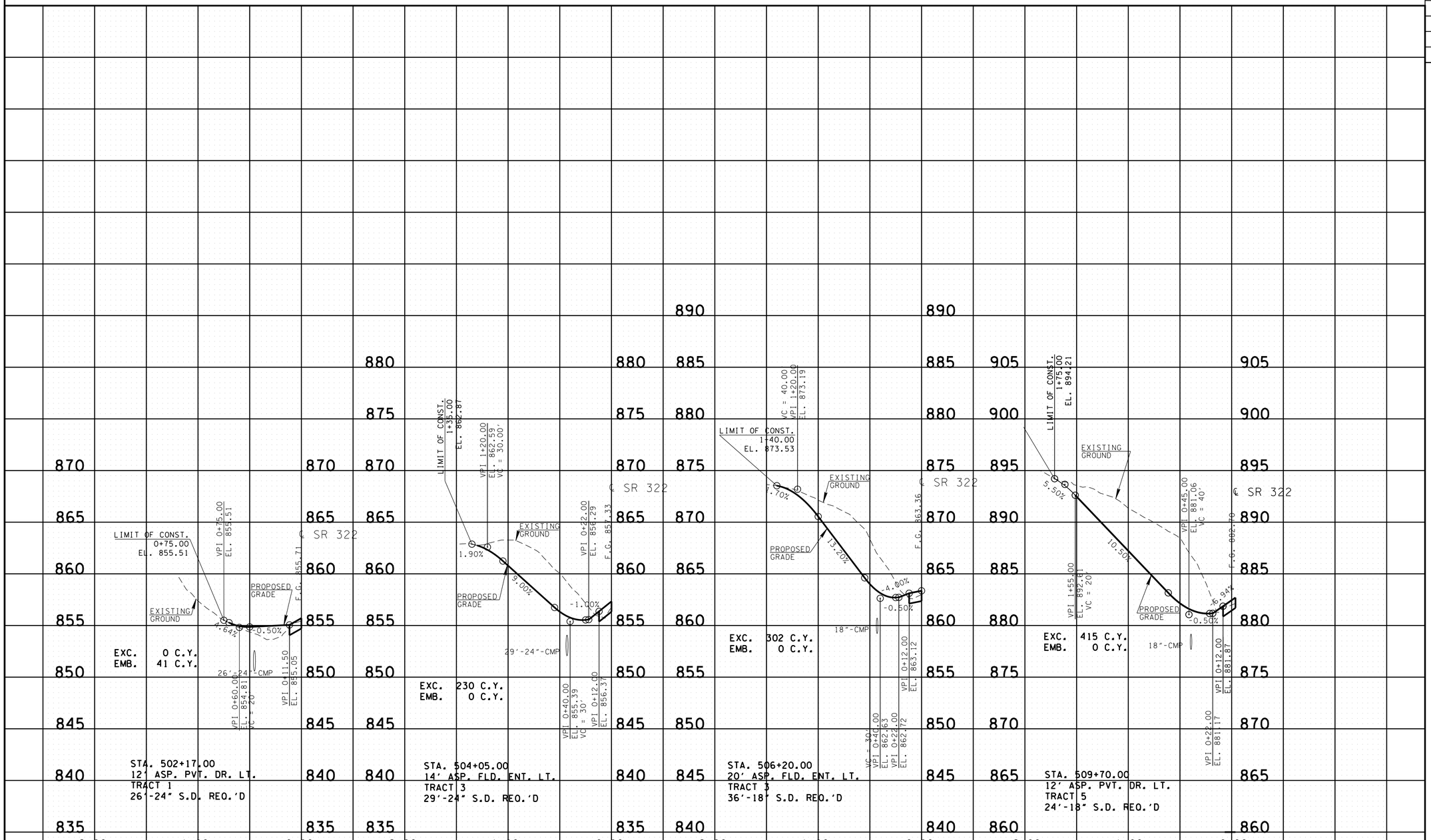
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	29
PS&E	2026	R-STP-322(15)	29



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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111933
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE AND FIELD ENTRANCE PROFILES

2/24/2026 10:00:23 AM
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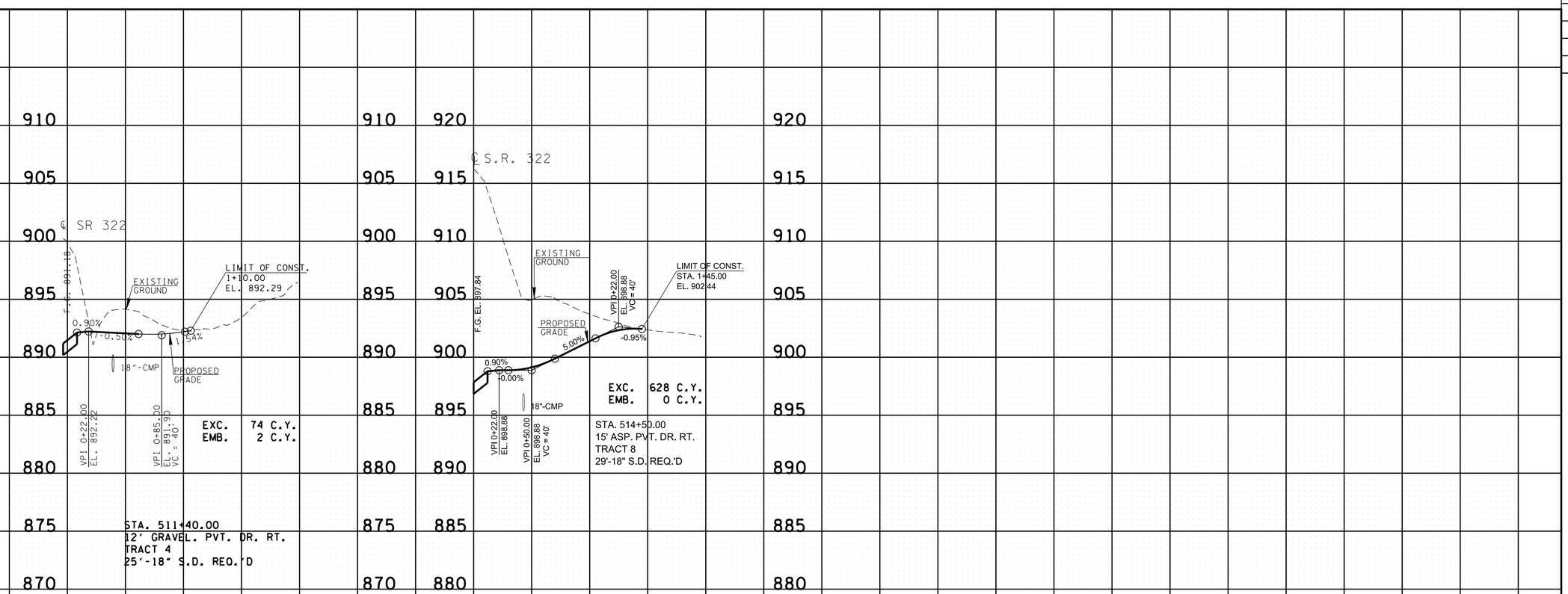

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	30
PS&E	2026	R-STP-322(15)	30

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STACY L. WEAVER
REGISTERED ENGINEER
No. 111932
COMMERCE AGRICULTURE
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE AND FIELD ENTRANCE PROFILES

2/24/2026 10:00:24 AM
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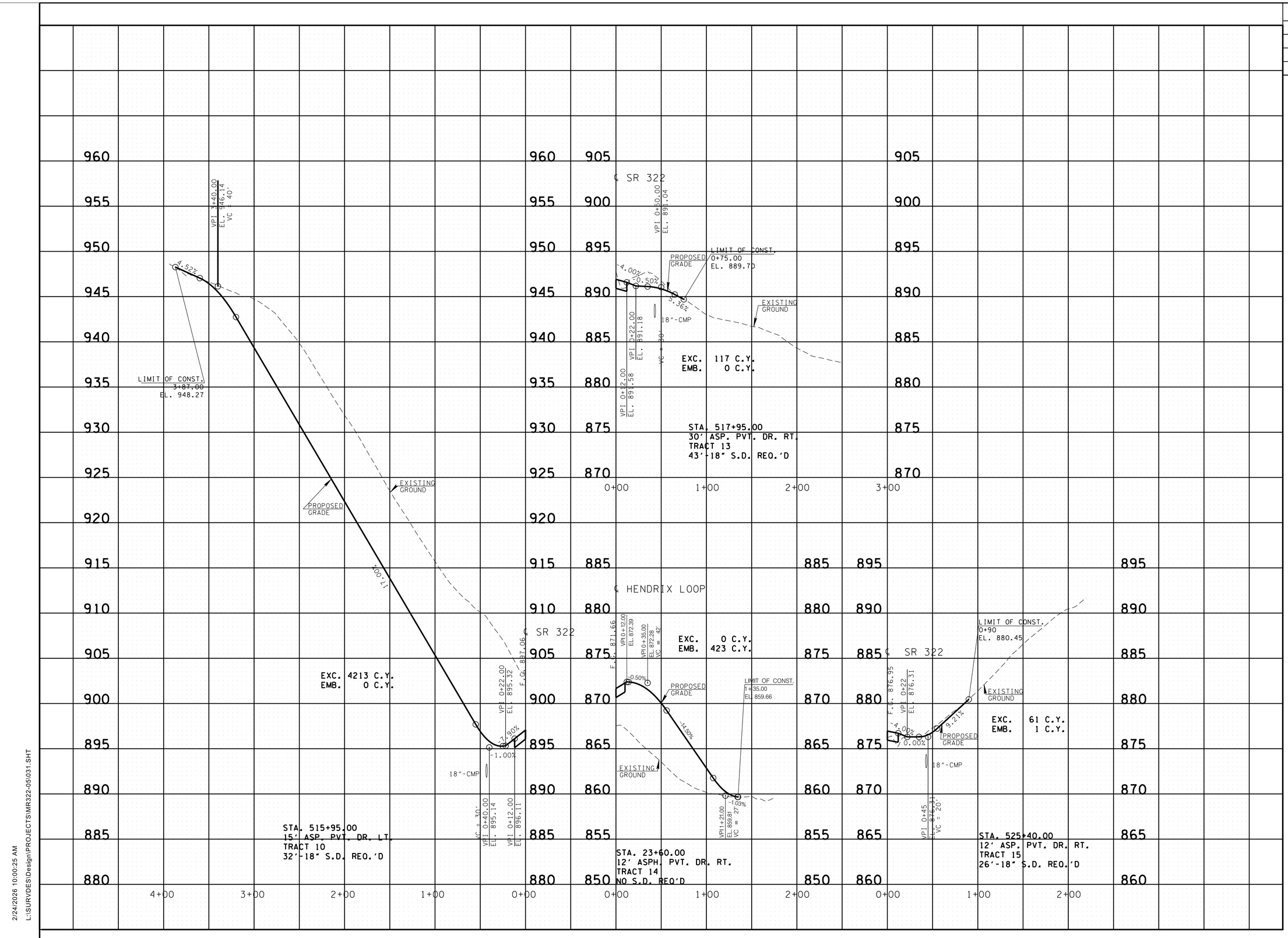
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	31
PS&E	2026	R-STP-322(15)	31



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DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE AND FIELD ENTRANCE PROFILES

2/24/2026 10:00:25 AM
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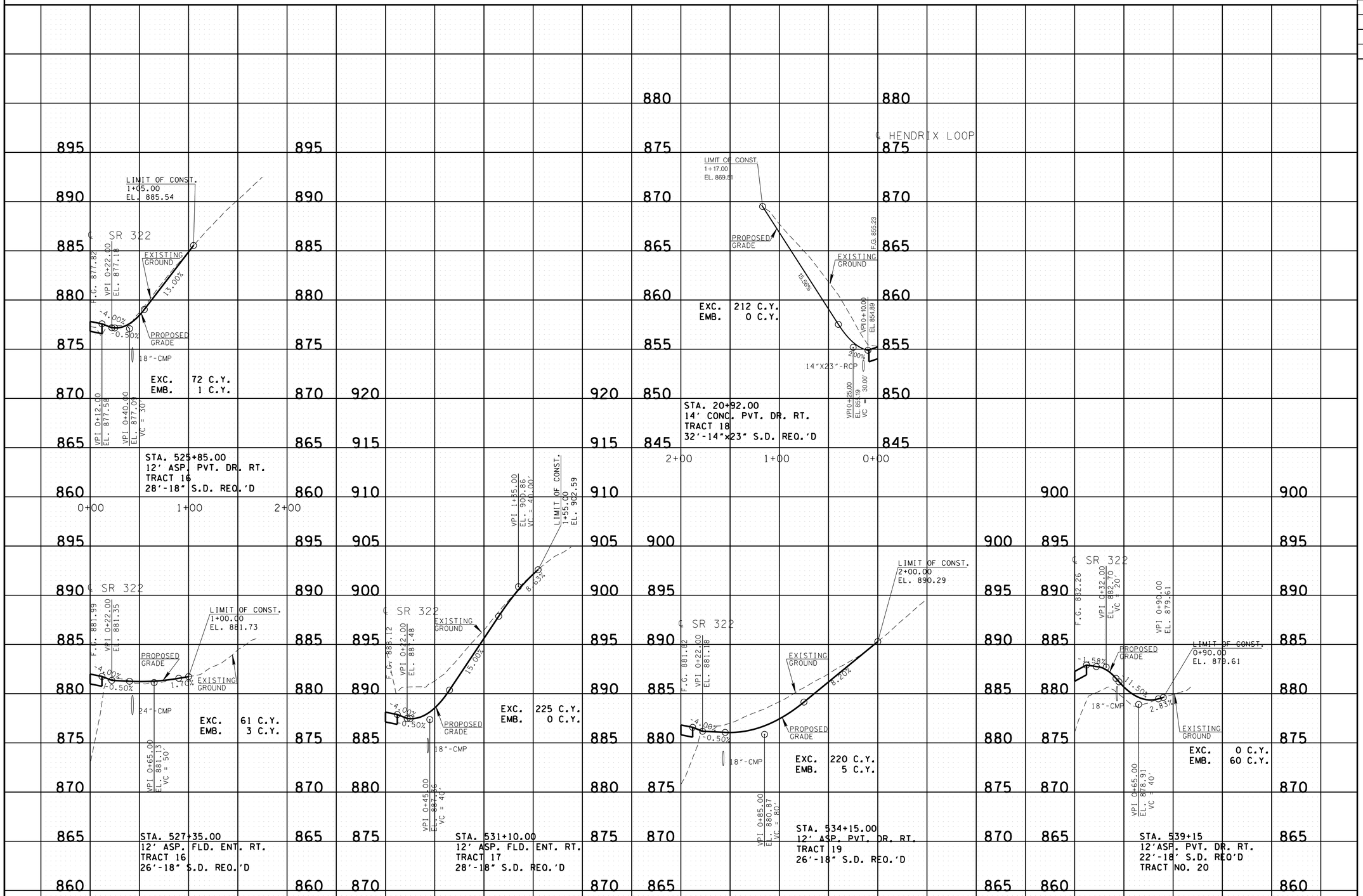
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	32
PS&E	2026	R-STP-322(15)	32



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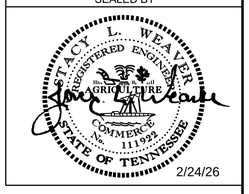

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DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE AND FIELD ENTRANCE PROFILES

2/24/2026 10:00:25 AM
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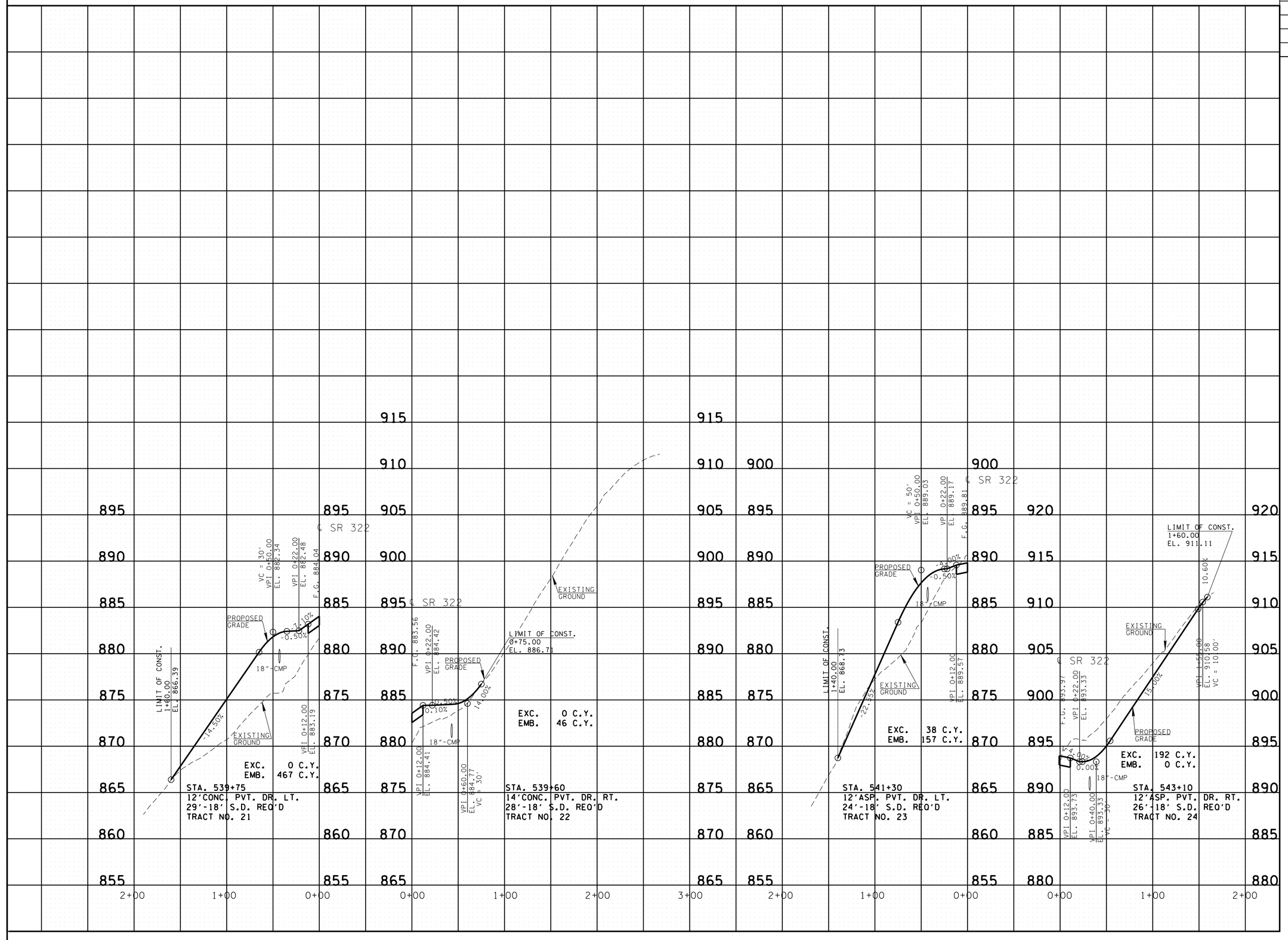
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	33
PS&E	2026	R-STP-322(15)	33



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STACY L. WEAVER
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
COMMERCE
No. 111932
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE AND FIELD ENTRANCE PROFILES

2/24/2026 10:00:26 AM
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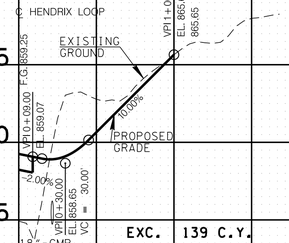
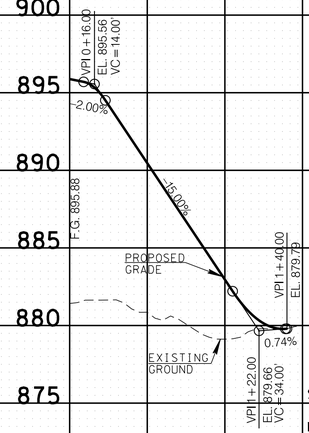
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	34
PS&E	2026	R-STP-322(15)	34

REV. 07-03-24:TRACT 26: ADDED DRIVEWAY.



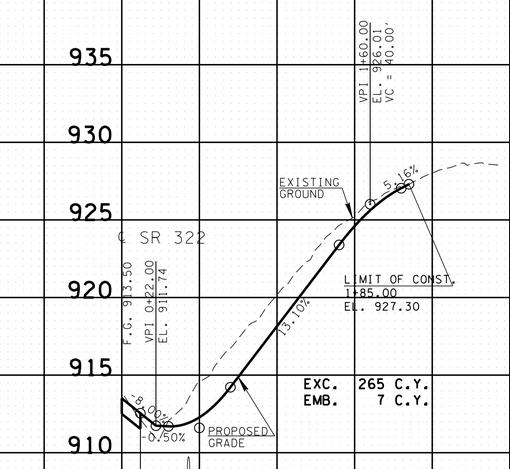
EXC. 139 C.Y.
EMB. 13 C.Y.

STA. 44+75
15'ASP. PVT. DR. RT.
32'-18' S.D. REQ'D
TRACT NO. 26



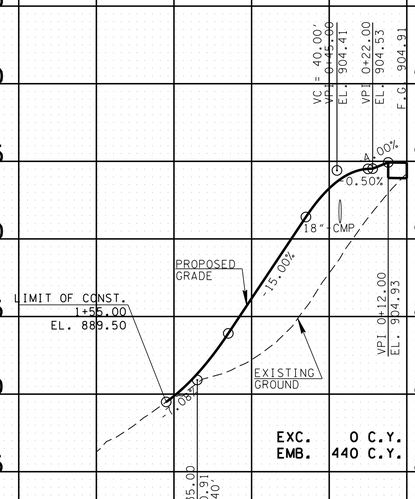
EXC. 0 C.Y.
EMB. 910 C.Y.

STA. 47+04
14'ASP. PVT. DR. LT.
NO S.D. REQ'D
TRACT NO. 30



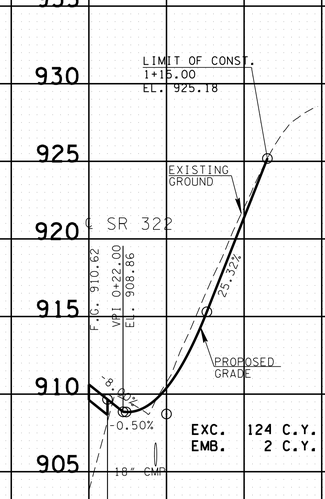
EXC. 265 C.Y.
EMB. 7 C.Y.

STA. 553+00
20'ASP. PVT. DR. RT.
34'-18' S.D. REQ'D
TRACT NO. 31



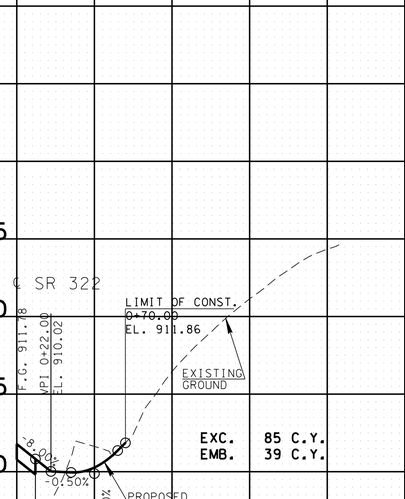
EXC. 0 C.Y.
EMB. 440 C.Y.

STA. 548+50
15'ASP. FIELD ENT. LT.
NO S.D. REQ'D
TRACT NO. 26



EXC. 124 C.Y.
EMB. 2 C.Y.

STA. 550+60
20'ASP. PVT. DR. RT.
38'-18' S.D. REQ'D
TRACT NO. 29



EXC. 85 C.Y.
EMB. 39 C.Y.

STA. 556+00
30'ASP. PVT. DR. RT.
51'-18' S.D. REQ'D
TRACT NO. 33

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE AND FIELD ENTRANCE PROFILES

2/24/2026 10:00:27 AM
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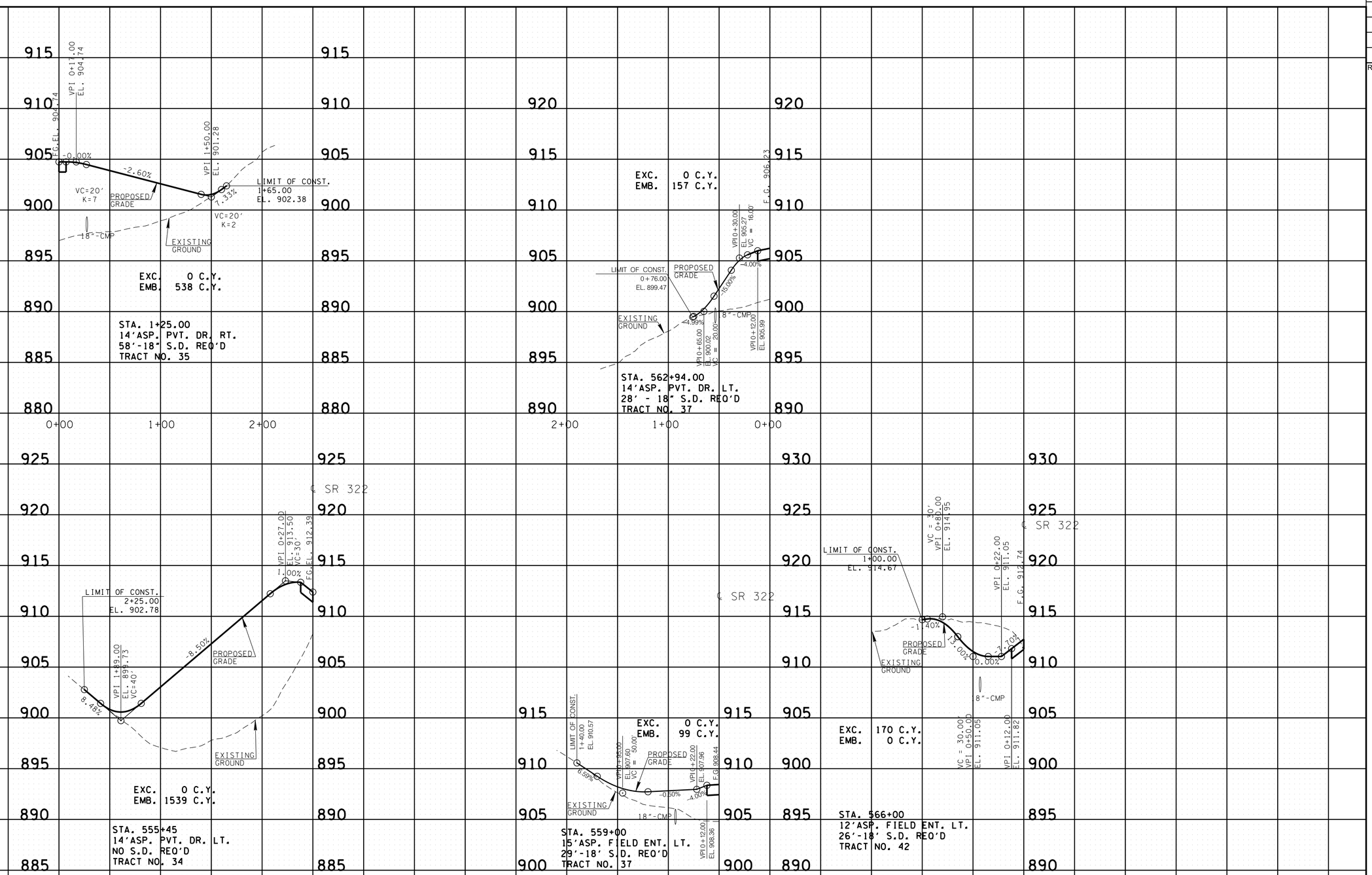
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	35
PS&E	2026	R-STP-322(15)	35

REV. 07-03-24: TRACT 37: UPDATED DRIVEWAY.



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE AND FIELD ENTRANCE PROFILES

2/24/2026 10:00:28 AM
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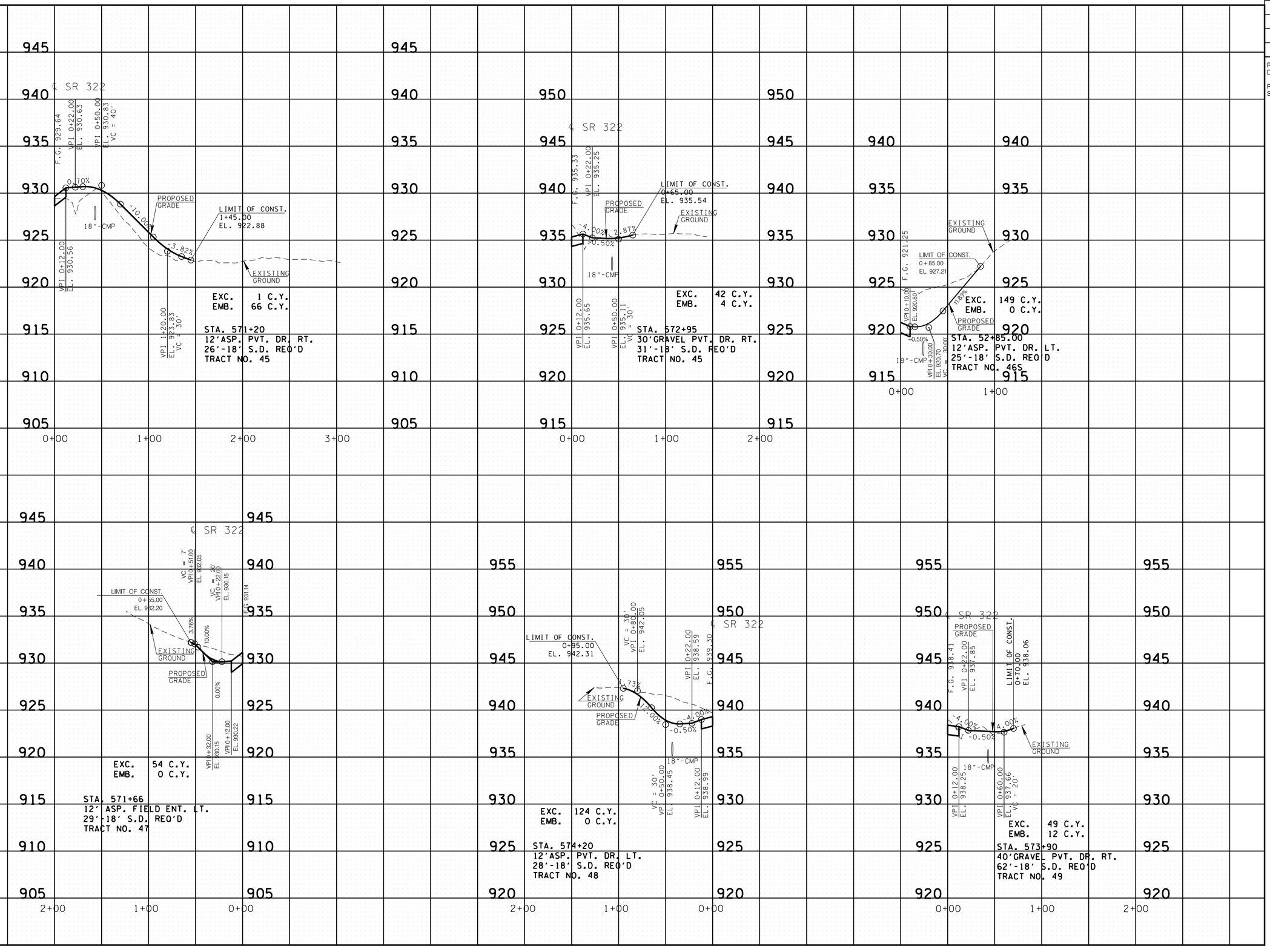

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	36
PS&E	2026	R-STP-322(15)	36

REV. 04-04-24: TRACT 46S ADDED PRIVATE DRIVE.

REV. 01-20-26: ADDED TRACT 49 PROFILE FROM SHEET 37.

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE AND FIELD ENTRANCE PROFILES

2/24/2026 10:00:28 AM
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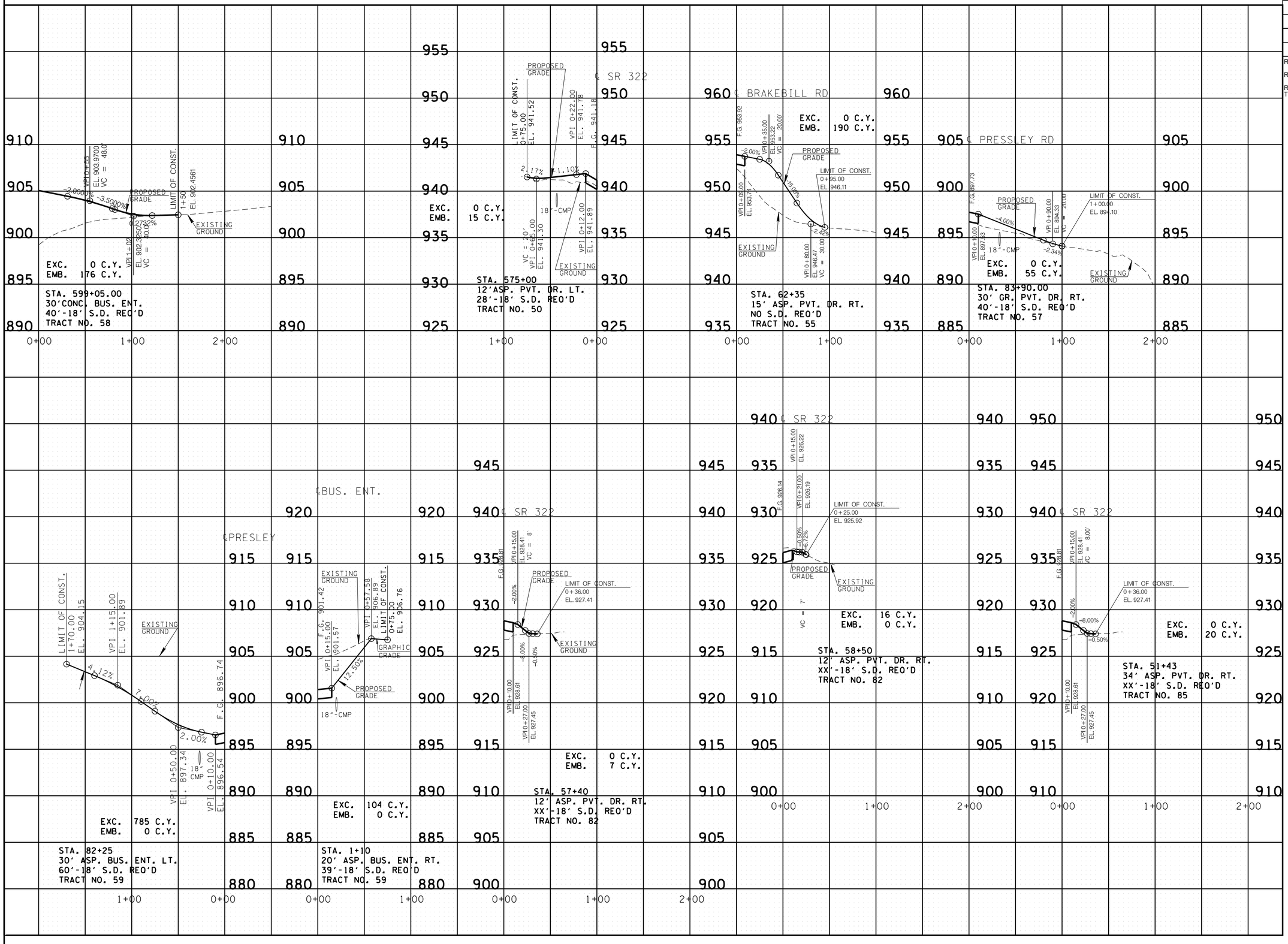
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	37
PS&E	2026	R-STP-322(15)	37

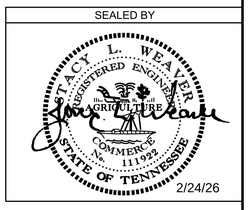
REV. 07-03-24: TRACT 55: ADDED DRIVEWAY.

REV. 03-24-25: TRACT 57: ADDED DRIVEWAY.

REV. 01-20-26: TRACT 58: ADDED DRIVEWAY AND MOVED TRACT 49 PROFILE TO SHEET 36.



SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRIVATE DRIVE AND FIELD ENTRANCE PROFILES

2/24/2026 10:00:29 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	38
PS&E	2026	R-STP-322(15)	38

DRAINAGE DATA FOR PIPE

STATION 536+61.31

DIRECTION OF FLOW LEFT

DRAINAGE AREA 25.44 ACRES ,( )FLAT;(X)ROLLING;( )HILLY;( )MTNS.

PRESENT STRUCTURE: 48" RCP

EXISTING STRUCTURE CONDITION: UNKOWN

REMARKS:

62016-2206-14
BEGIN PROJECT STP-322(15)
STA. 500+41.07 (R.O.W.)
N 471725.8505 E 2473024.3864

62016-3206-14
BEGIN PROJECT STP-322(15)
STA. 501+25.00 (CONST.)
N 471642.0100 E 2473028.2608

DRAINAGE DATA FOR PIPE

STATION 544+28.64

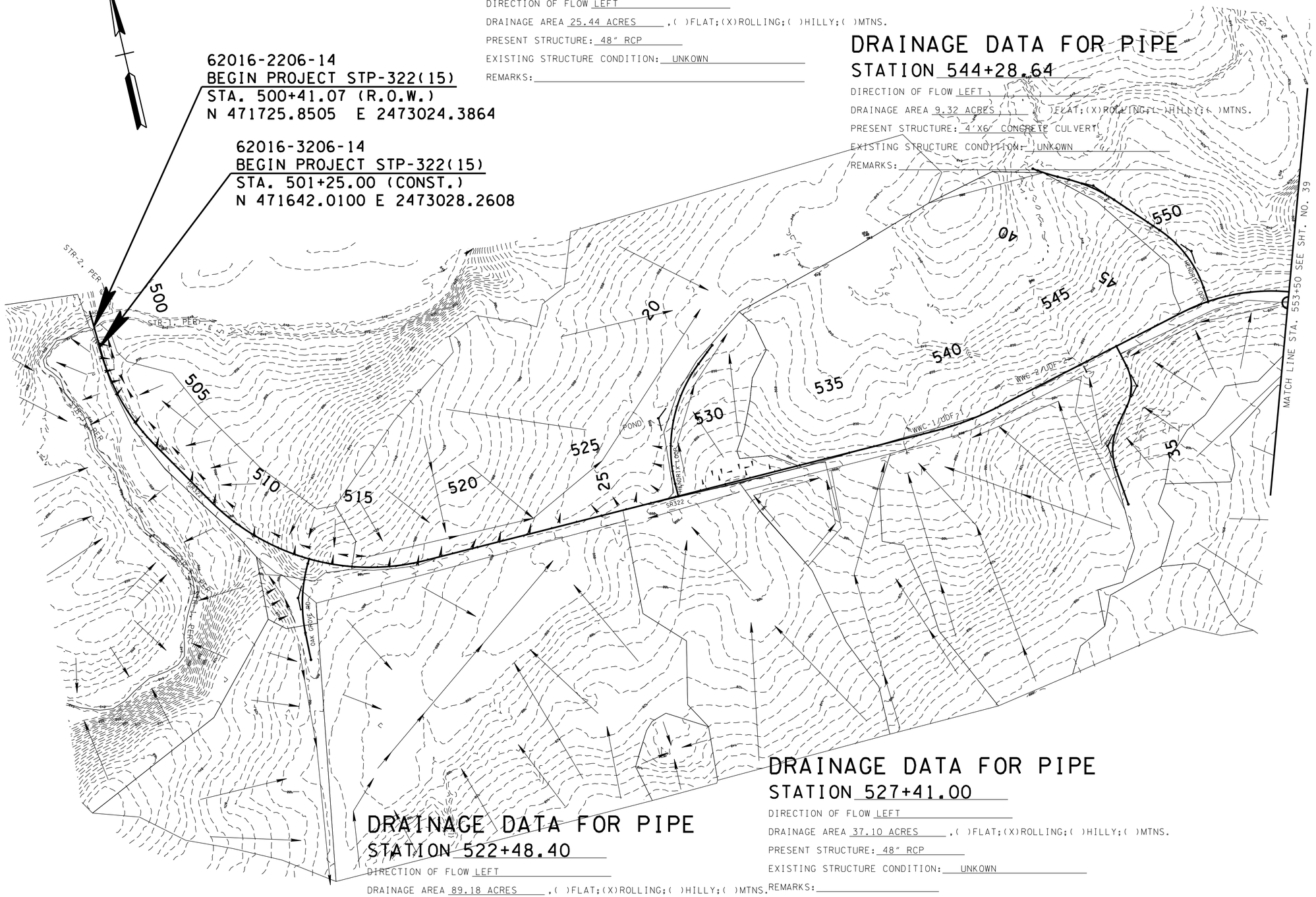
DIRECTION OF FLOW LEFT

DRAINAGE AREA 9.32 ACRES ,( )FLAT;(X)ROLLING;( )HILLY;( )MTNS.

PRESENT STRUCTURE: 4'X6' CONCRETE CULVERT

EXISTING STRUCTURE CONDITION: UNKOWN

REMARKS:



DRAINAGE DATA FOR PIPE

STATION 522+48.40

DIRECTION OF FLOW LEFT

DRAINAGE AREA 89.18 ACRES ,( )FLAT;(X)ROLLING;( )HILLY;( )MTNS.

PRESENT STRUCTURE: 60" CMP

EXISTING STRUCTURE CONDITION: UNKOWN

REMARKS:

DRAINAGE DATA FOR PIPE

STATION 527+41.00

DIRECTION OF FLOW LEFT

DRAINAGE AREA 37.10 ACRES ,( )FLAT;(X)ROLLING;( )HILLY;( )MTNS.

PRESENT STRUCTURE: 48" RCP

EXISTING STRUCTURE CONDITION: UNKOWN

REMARKS:

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
11923
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 500+00 TO STA. 553+50

SCALE: 1"=200'

2/24/2026 10:00:32 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	39
PS&E	2026	R-STP-322(15)	39



DRAINAGE DATA FOR PIPE

STATION 562+73.63

DIRECTION OF FLOW LEFT

DRAINAGE AREA 48.81 ACRES ,( )FLAT;(X)ROLLING;( )HILLY;( )MTNS.

PRESENT STRUCTURE: 24 ' RCB

EXISTING STRUCTURE CONDITION: UNKOWN

REMARKS:

DRAINAGE DATA FOR PIPE

STATION 567+73.63

DIRECTION OF FLOW LEFT

DRAINAGE AREA 31.79 ACRES ,( )FLAT;(X)ROLLING;( )HILLY;( )MTNS.

PRESENT STRUCTURE: 24' RCP

EXISTING STRUCTURE CONDITION: UNKOWN

REMARKS:

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STACY L. WEAVER
REGISTERED ENGINEER
No. 111932
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 553+50 TO STA. 559+00

SCALE: 1"=200'

2/24/2026 10:00:34 AM
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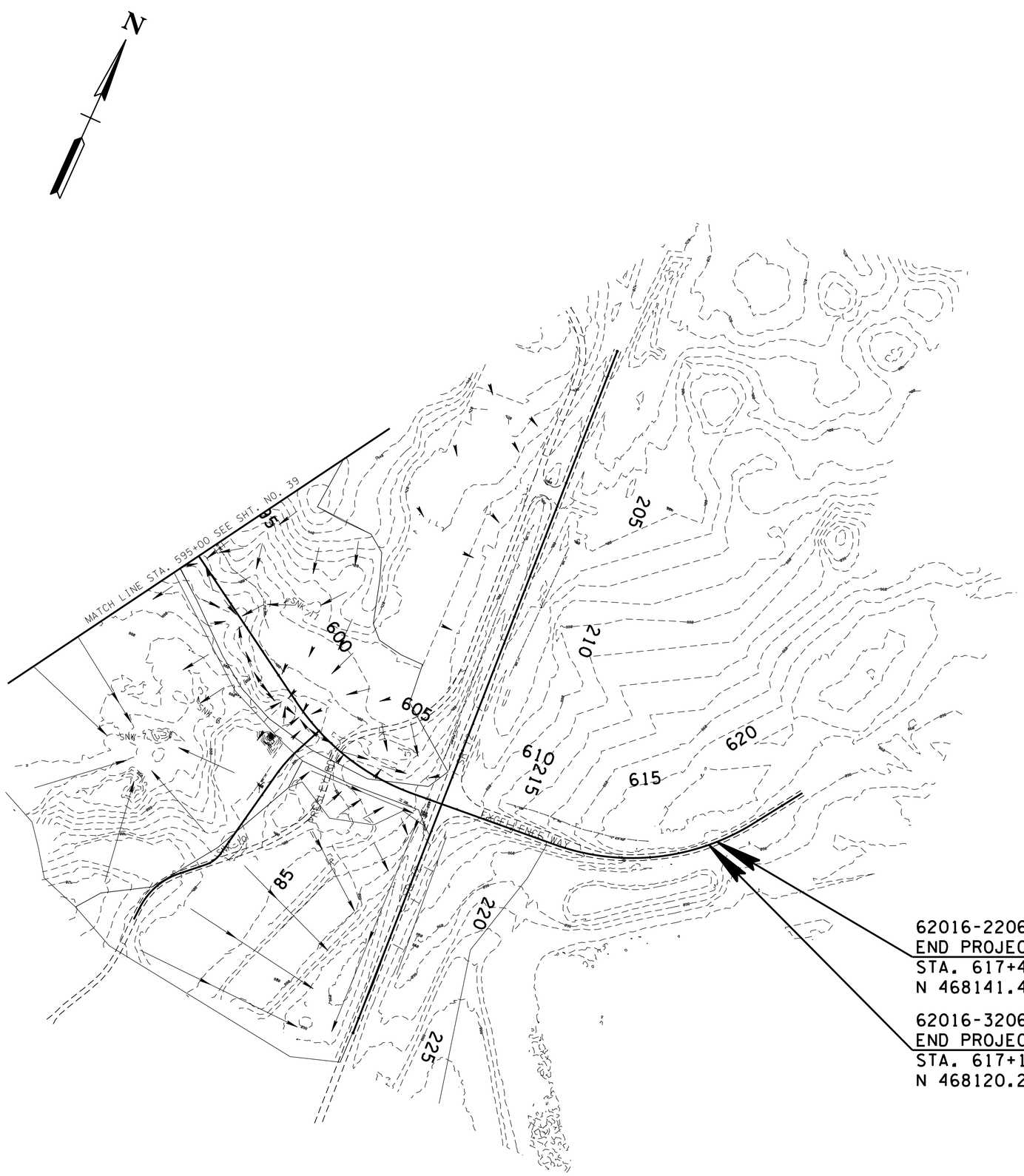
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	40
PS&E	2026	R-STP-322(15)	40



62016-2206-14
END PROJECT STP-322(15)
STA. 617+40.00 (R.O.W.)
N 468141.4737 E 2482776.2032

62016-3206-14
END PROJECT STP-322(15)
STA. 617+10.00 (CONST.)
N 468120.2971 E 2482754.9559

SEALED BY



2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

DRAINAGE MAPS

STA.559+00 TO STA.619+00

SCALE: 1"=200'

2/24/2026 10:00:35 AM
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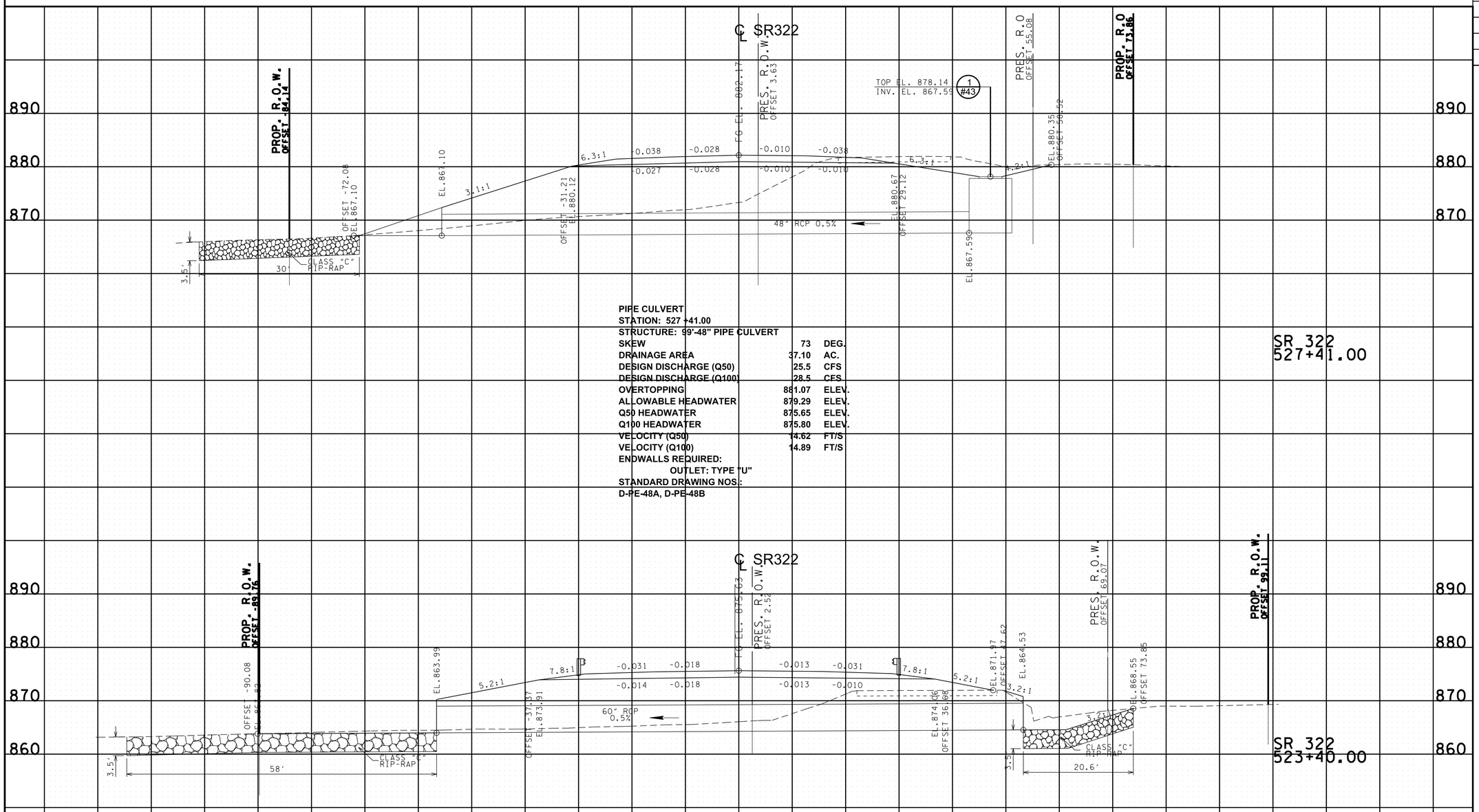
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	41
PS&E	2026	R-STP-322(15)	41



PIPE CULVERT
STATION: 527 +41.00
STRUCTURE: 99'-48" PIPE CULVERT

SKEW	73	DEG.
DRAINAGE AREA	37.10	AC.
DESIGN DISCHARGE (Q50)	25.5	CFS
DESIGN DISCHARGE (Q100)	28.5	CFS
OVERTOPPING	881.07	ELEV.
ALLOWABLE HEADWATER	879.29	ELEV.
Q50 HEADWATER	875.65	ELEV.
Q100 HEADWATER	875.80	ELEV.
VELOCITY (Q50)	14.62	FT/S
VELOCITY (Q100)	14.89	FT/S

ENDWALLS REQUIRED:
OUTLET: TYPE "U"
STANDARD DRAWING NOS.:
D-PE-48A, D-PE-48B

PIPE CULVERT
STATION: 523 +40.00
STRUCTURE: 110'-60" PIPE CULVERT 50 LT

SKEW	50	DEG.
DRAINAGE AREA	131.90	AC.
DESIGN DISCHARGE (Q50)	148.00	CFS
DESIGN DISCHARGE (Q100)	875.63	CFS
OVERTOPPING	873.92	ELEV.
ALLOWABLE HEADWATER	869.98	ELEV.
Q50 HEADWATER	870.41	ELEV.
Q100 HEADWATER	10.14	ELEV.
VELOCITY (Q50)	10.36	FT/S
VELOCITY (Q100)		FT/S

ENDWALLS REQUIRED:
INLET: PEW OUTLET: PEW
STANDARD DRAWING NOS.:
D-PEW-1, D-PEW-2
QUANTITIES:

CLASS "A" CONCRETE	31.08	C.Y.
STEEL BAR REINFORCING	1566	LB.

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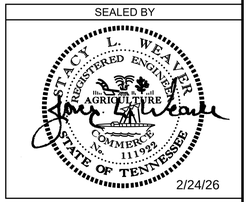

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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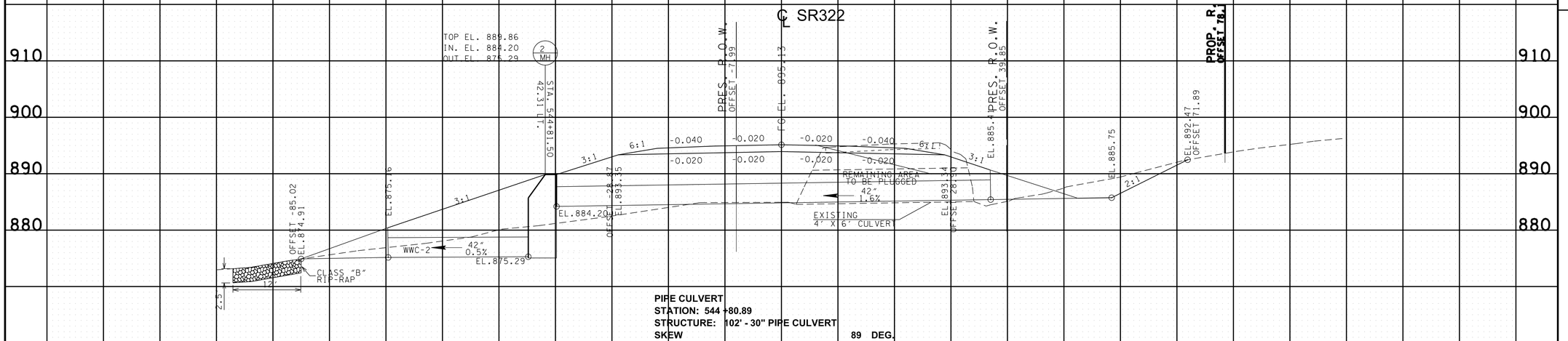
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	42
PS&E	2026	R-STP-322(15)	42

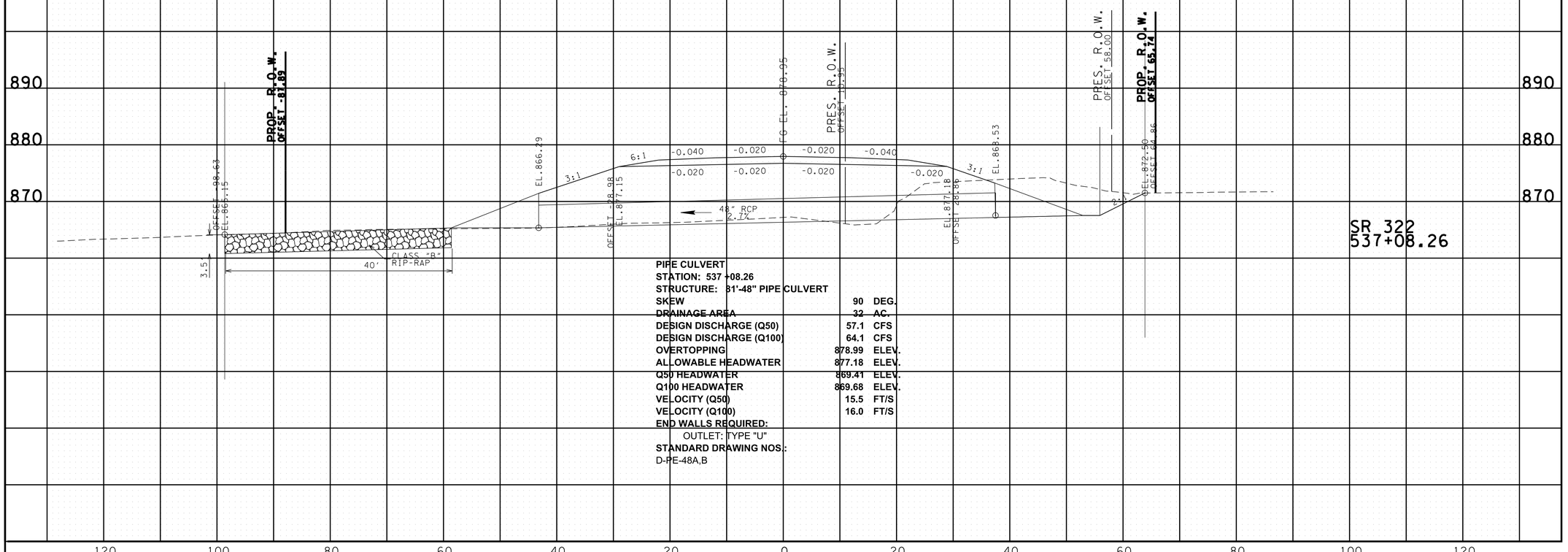


PIPE CULVERT
STATION: 544 +80.89
STRUCTURE: 102' - 30" PIPE CULVERT

SKEW	**89**	**DEG.**
DRAINAGE AREA	**9.5**	**AC.**
DESIGN DISCHARGE (Q50)	**15.8**	**CFS**
DESIGN DISCHARGE (Q100)	**17.8**	**CFS**
OVERTOPPING	**895.13**	**ELEV.**
ALLOWABLE HEADWATER	**893.34**	**ELEV.**
Q50 HEADWATER	**887.31**	**ELEV.**
Q100 HEADWATER	**887.32**	**ELEV.**
VELOCITY (Q50)	**6.0**	**FT/S**
VELOCITY (Q100)	**6.2**	**FT/S**

END WALLS REQUIRED: TYPE "U"
STANDARD DRAWING NOS.: D-PE-30A,B; D-JBS-3

SR 322
544+80.89



PIPE CULVERT
STATION: 537 +08.26
STRUCTURE: 31'-48" PIPE CULVERT

SKEW	**90**	**DEG.**
DRAINAGE AREA	**32**	**AC.**
DESIGN DISCHARGE (Q50)	**57.1**	**CFS**
DESIGN DISCHARGE (Q100)	**64.1**	**CFS**
OVERTOPPING	**878.99**	**ELEV.**
ALLOWABLE HEADWATER	**877.18**	**ELEV.**
Q50 HEADWATER	**869.41**	**ELEV.**
Q100 HEADWATER	**869.68**	**ELEV.**
VELOCITY (Q50)	**15.5**	**FT/S**
VELOCITY (Q100)	**16.0**	**FT/S**

END WALLS REQUIRED:
OUTLET: TYPE "U"
STANDARD DRAWING NOS.:
D-PE-48A,B

SR 322
537+08.26

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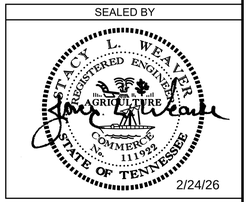

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DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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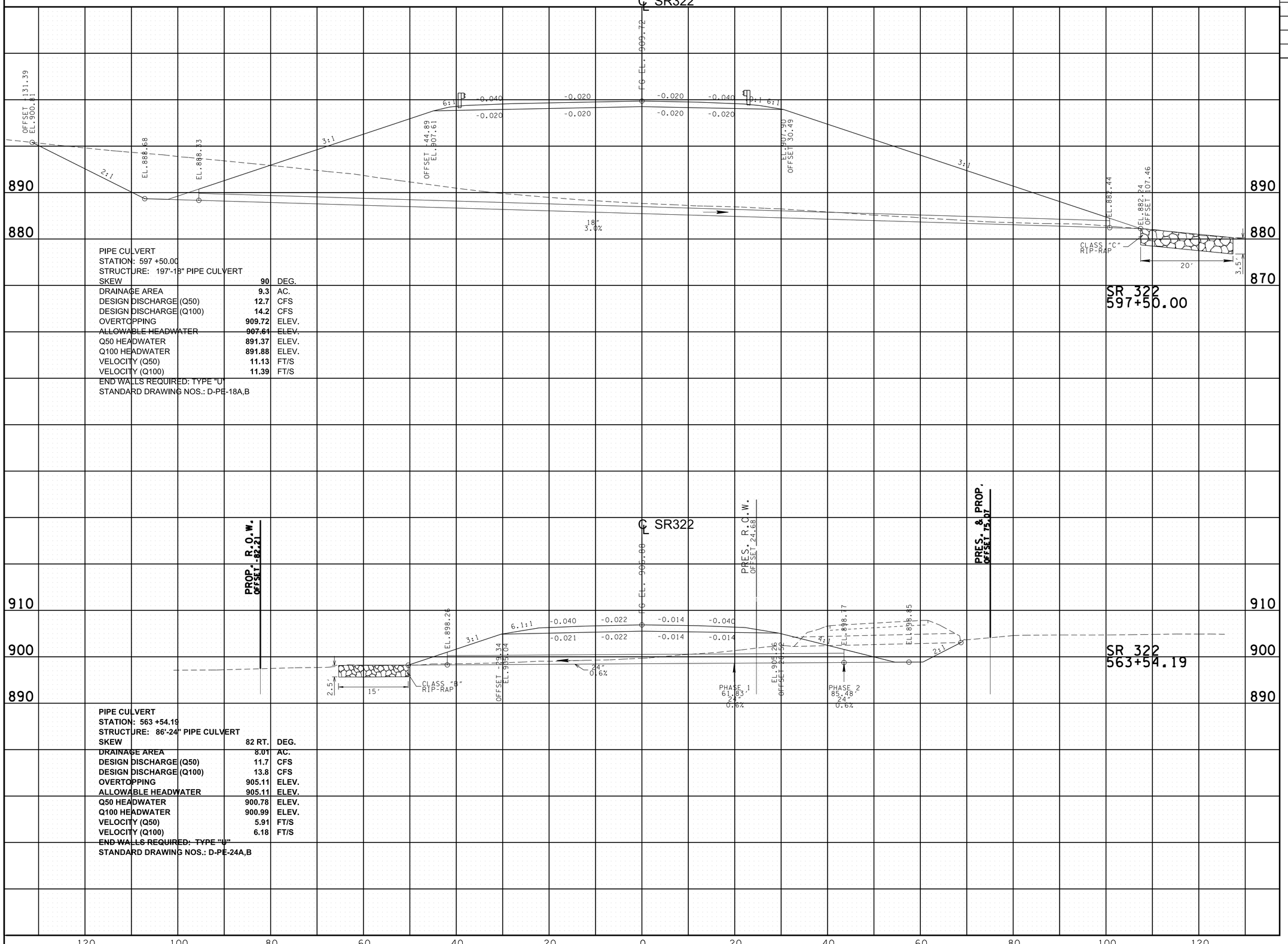
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	43
PS&E	2026	R-STP-322(15)	43



PIPE CULVERT
STATION: 597 +50.00
STRUCTURE: 197'-18" PIPE CULVERT

SKEW	**90**	DEG.
DRAINAGE AREA	**9.3**	AC.
DESIGN DISCHARGE (Q50)	**12.7**	CFS
DESIGN DISCHARGE (Q100)	**14.2**	CFS
OVERTOPPING	**909.72**	ELEV.
~~ALLOWABLE HEADWATER~~	~~**907.61**~~	~~ELEV.~~
Q50 HEADWATER	**891.37**	ELEV.
Q100 HEADWATER	**891.88**	ELEV.
VELOCITY (Q50)	**11.13**	FT/S
VELOCITY (Q100)	**11.39**	FT/S

END WALLS REQUIRED: TYPE "U"
STANDARD DRAWING NOS.: D-PE-18A,B

PIPE CULVERT
STATION: 563 +54.19
STRUCTURE: 86'-24" PIPE CULVERT

SKEW	82 RT.	DEG.
DRAINAGE AREA	8.01	AC.
DESIGN DISCHARGE (Q50)	11.7	CFS
DESIGN DISCHARGE (Q100)	13.8	CFS
OVERTOPPING	905.11	ELEV.
ALLOWABLE HEADWATER	905.11	ELEV.
Q50 HEADWATER	900.78	ELEV.
Q100 HEADWATER	900.99	ELEV.
VELOCITY (Q50)	5.91	FT/S
VELOCITY (Q100)	6.18	FT/S

~~END WALLS REQUIRED: TYPE "U"~~
STANDARD DRAWING NOS.: D-PE-24A,B

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DEPARTMENT OF
TRANSPORTATION

CULVERT
SECTIONS

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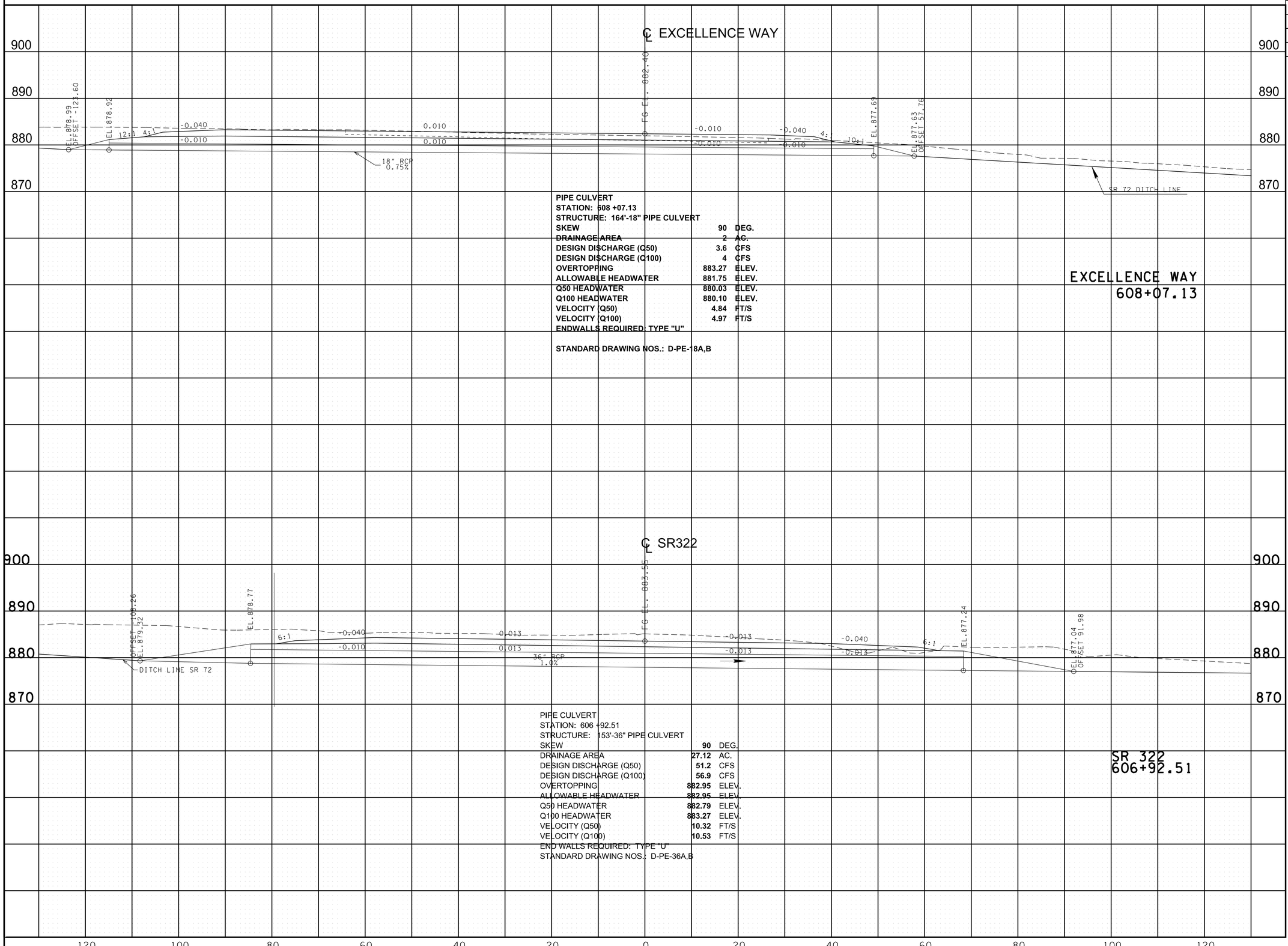
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	44
PS&E	2026	R-STP-322(15)	44



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DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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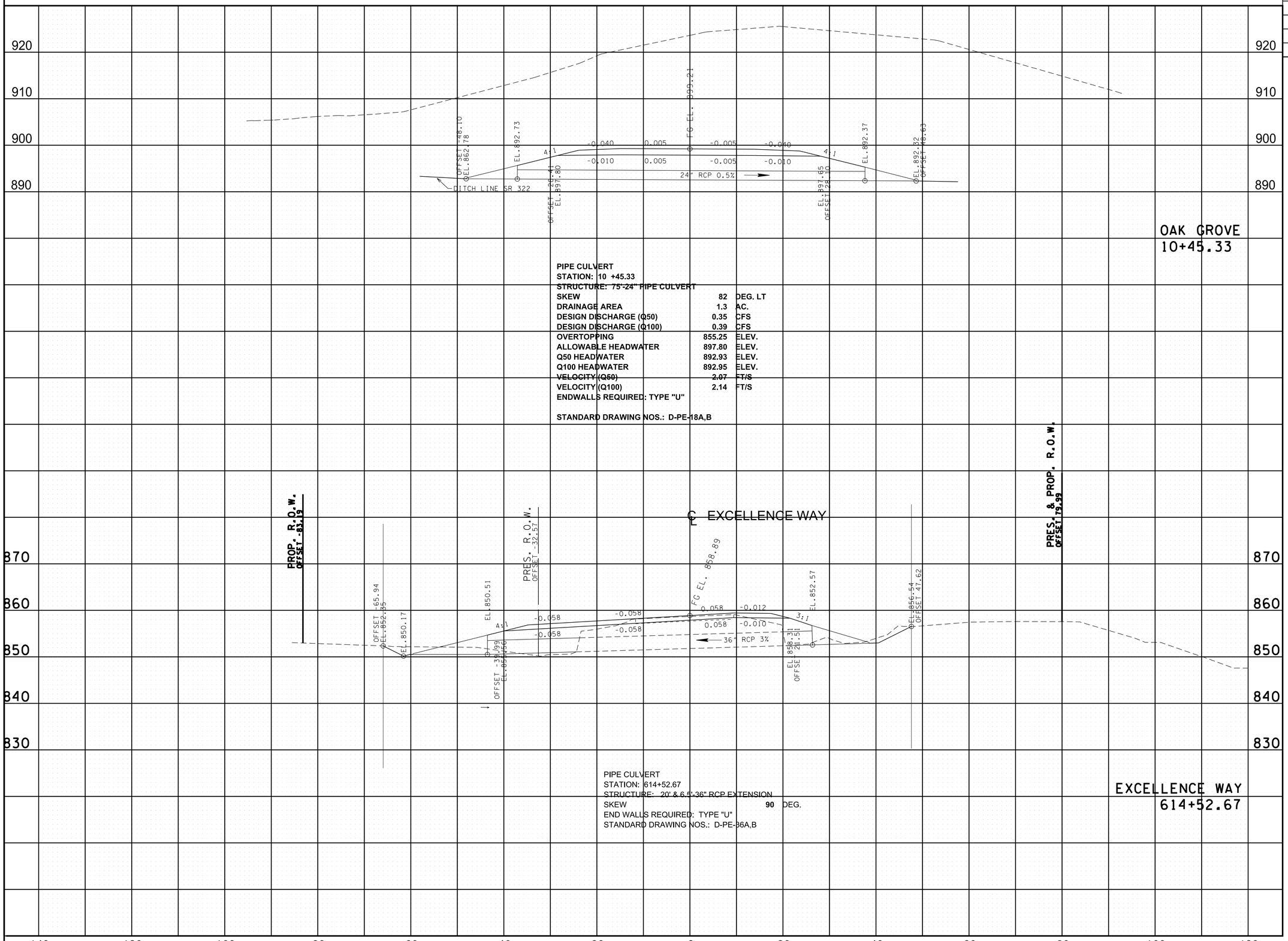
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	47
PS&E	2026	R-STP-322(15)	45



OAK GROVE
10+45.33

PIPE CULVERT
STATION: 10 +45.33
STRUCTURE: 75'-24" PIPE CULVERT

SKEW	**82**	**DEG. LT**
DRAINAGE AREA	**1.3**	**AC.**
DESIGN DISCHARGE (Q50)	**0.35**	**CFS**
DESIGN DISCHARGE (Q100)	**0.39**	**CFS**
OVERTOPPING	**855.25**	**ELEV.**
ALLOWABLE HEADWATER	**897.80**	**ELEV.**
Q50 HEADWATER	**892.93**	**ELEV.**
Q100 HEADWATER	**892.95**	**ELEV.**
VELOCITY (Q50)	**2.07**	**FT/S**
VELOCITY (Q100)	**2.14**	**FT/S**

ENDWALLS REQUIRED: TYPE "U"

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

EXCELLENCE WAY
614+52.67

PIPE CULVERT
STATION: 614+52.67
STRUCTURE: 20' & 6.5'-36" RCP EXTENSION
SKEW **90** DEG.
END WALLS REQUIRED: TYPE "U"
STANDARD DRAWING NOS.: D-PE-36A,B

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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111992
STATE OF TENNESSEE

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CULVERT SECTIONS

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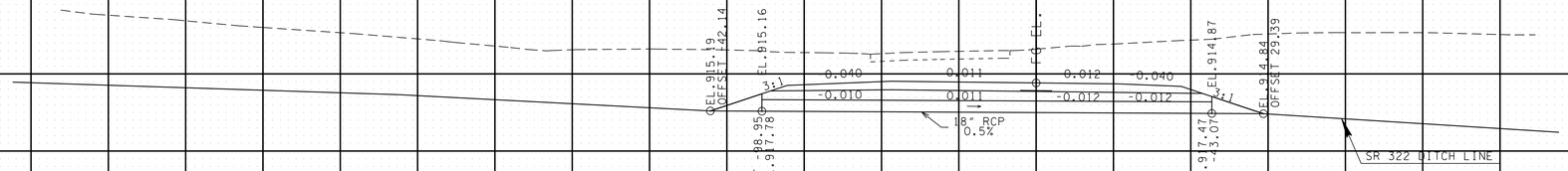
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	45
PS&E	2026	R-STP-322(15)	46

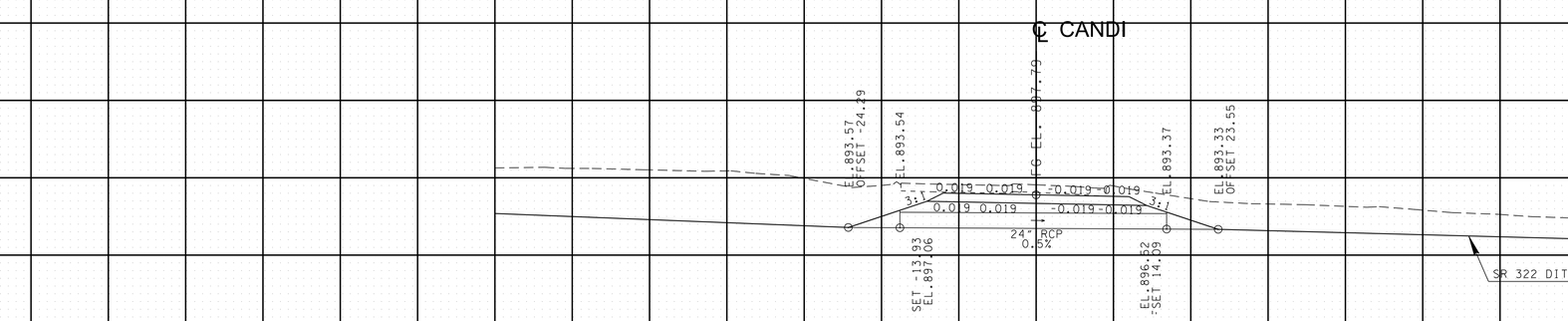


PIPE CULVERT
STATION: 54 +01.94
STRUCTURE: 58'-18" PIPE CULVERT

SKEW	**76**	DEG.
DRAINAGE AREA	**2.14**	AC.
DESIGN DISCHARGE (Q50)	**3.2**	CFS
DESIGN DISCHARGE (Q100)	**3.6**	CFS
OVERTOPPING	**919.04**	ELEV.
ALLOWABLE HEADWATER	**917.78**	ELEV.
Q50 HEADWATER	**916.23**	ELEV.
Q100 HEADWATER	**916.30**	ELEV.
VELOCITY (Q50)	**4.10**	FT/S
VELOCITY (Q100)	**4.26**	FT/S

END WALLS REQUIRED: TYPE "U"
STANDARD DRAWING NOS.: D-PE-18A,B

LAKESIDE
54+01.94



PIPE CULVERT
STATION: 30 +45.05
STRUCTURE: 35'-24" PIPE CULVERT

SKEW	**90**	DEG.
DRAINAGE AREA	**6.5**	AC.
DESIGN DISCHARGE (Q50)	**10.0**	CFS
DESIGN DISCHARGE (Q100)	**12.1**	CFS
OVERTOPPING	**897.98**	ELEV.
ALLOWABLE HEADWATER	**896.96**	ELEV.
Q50 HEADWATER	**895.36**	ELEV.
Q100 HEADWATER	**895.57**	ELEV.
VELOCITY (Q50)	**5.46**	FT/S
VELOCITY (Q100)	**5.86**	FT/S

END WALS REQUIRED: TYPE "U"
STANDARD DRAWING NOS.: D-PE-24A,B

CANDI LANE
30+45.05

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

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DEPARTMENT OF TRANSPORTATION

CULVERT SECTIONS

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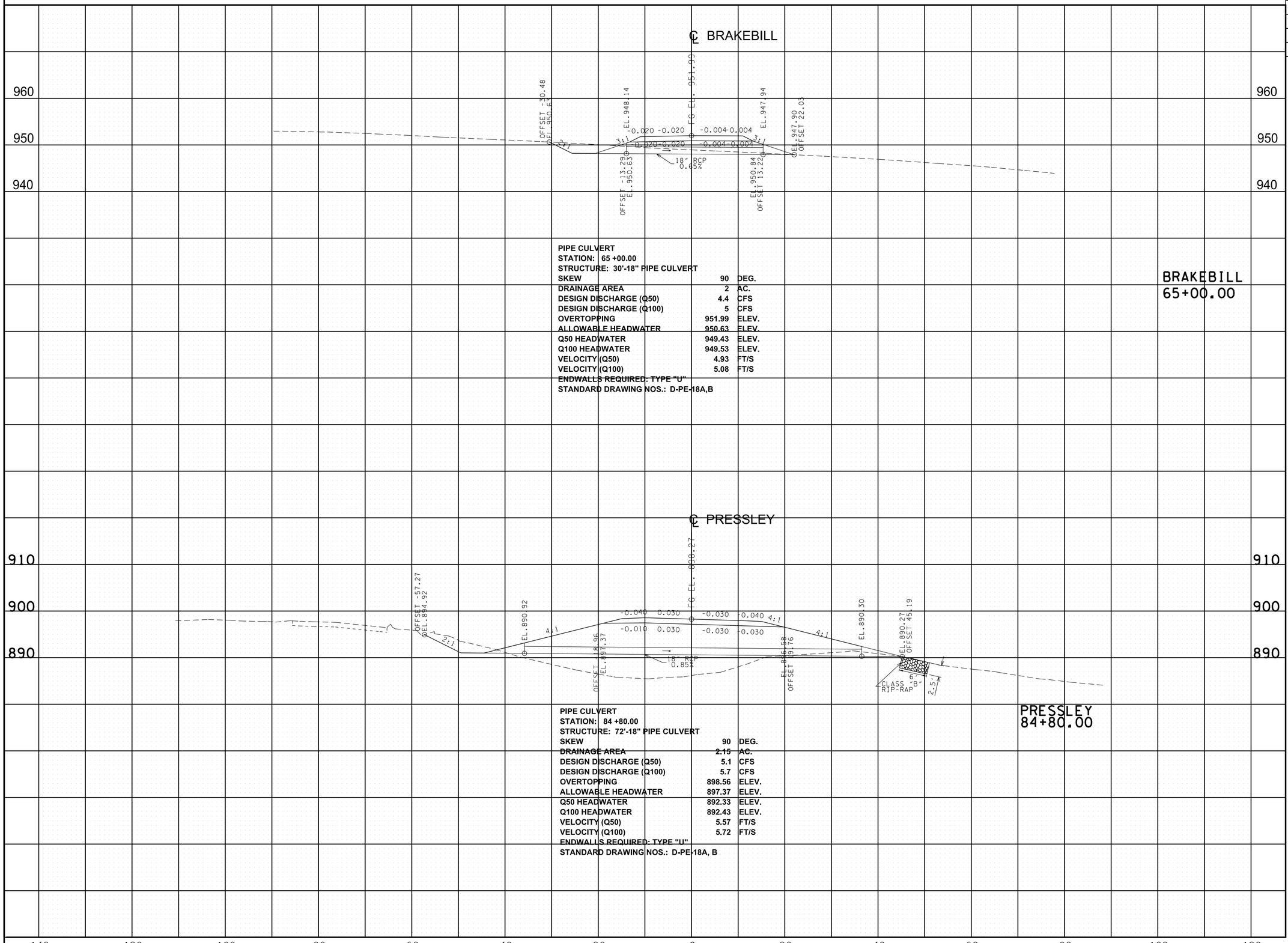
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	46
PS&E	2026	R-STP-322(15)	47



PIPE CULVERT
STATION: 65 +00.00
STRUCTURE: 30'-18" PIPE CULVERT

SKEW	90	DEG.
DRAINAGE AREA	2	AC.
DESIGN DISCHARGE (Q50)	4.4	CFS
DESIGN DISCHARGE (Q100)	5	CFS
OVERTOPPING	951.99	ELEV.
ALLOWABLE HEADWATER	950.63	ELEV.
Q50 HEADWATER	949.43	ELEV.
Q100 HEADWATER	949.53	ELEV.
VELOCITY (Q50)	4.93	FT/S
VELOCITY (Q100)	5.08	FT/S

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

BRAKEBILL
65+00.00

PIPE CULVERT
STATION: 84 +80.00
STRUCTURE: 72'-18" PIPE CULVERT

SKEW	90	DEG.
DRAINAGE AREA	2.15	AC.
DESIGN DISCHARGE (Q50)	5.1	CFS
DESIGN DISCHARGE (Q100)	5.7	CFS
OVERTOPPING	898.56	ELEV.
ALLOWABLE HEADWATER	897.37	ELEV.
Q50 HEADWATER	892.33	ELEV.
Q100 HEADWATER	892.43	ELEV.
VELOCITY (Q50)	5.57	FT/S
VELOCITY (Q100)	5.72	FT/S

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

PRESSLEY
84+80.00

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CULVERT SECTIONS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	48
PS&E	2026	R-STP-322(15)	48

TABULATED EPSC QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	STAGE I QUANTITY 62016-3206-14	STAGE II QUANTITY	STAGE III QUANTITY	TOTAL QUANTITY
(1)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	309	1445		1754
	209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.	585	1413		1998
	209-05	SEDIMENT REMOVAL	C.Y.		2130		2130
	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	17706	14951		32657
	209-08.07	ROCK CHECK DAM	EACH	117	293		410
	209-08.08	ENHANCED ROCK CHECK DAM	EACH	27	33		60
(7)	209-09.01	SANDBAGS	BAG	754	754		1508
	209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	2	2		4
(2)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	141	156		297
(6)	621-03.08	54" TEMPORARY DRAINAGE PIPE	L.F.	230	340		570
	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	335	490		825
(3)	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	400	400		800
	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	744	1214		1958
(4)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	2438	2679		5117
	740-11.02	TEMPORARY SEDIMENT TUBE 12IN	L.F.	8450	8985		17435
	740-11.04	TEMPORARY SEDIMENT TUBE 20IN	L.F.	3844	11671		15515
(5)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT		1396		1396
(5)	801-02	SEEDING (WITHOUT MULCH)	UNIT			1396	1396
	801-03	WATER (SEEDING & SODDING)	M.G.		140		140
	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.			155080	155080

FOOTNOTES

NOTE: ALL EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES ARE TO BE USED AS DIRECTED BY THE CONSTRUCTION SPECIALIST OR TEAM LEAD. SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT.

(1) INCLUDES 1642 C.Y. FOR TEMP. BERM AND 112 C.Y. FOR TEMPORARY CONSTRUCTION EXITS.

(2) TO BE USED FOR CULVERT PROTECTIONS.

(3) TO BE USED FOR TEMPORARY CONSTRUCTION ENTRANCES\EXITS.

(4) INCLUDES 1377 SY FOR TEMPORARY CONSTRUCTION EXITS & 3740 SY FOR CULVERT PROTECTIONS.

(5) 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. ALL SOIL TESTING IS THE RESPONSIBILITY OF THE PRIME CONTRACTOR AND ANY EXPENSE WILL BE INCLUDED AS INCIDENTAL TO THIS ITEM. PROVIDE THE RESULTS OF THIS TEST TO THE TEAM LEAD BEFORE PLACING SOIL AMENDMENTS. SEEDING FOR EACH AREA WILL BE PAID ONCE. SHOULD THE CONTRACTOR BE REQUIRED TO RESEED/OVERSEED TO ESTABLISH PROPER VEGETATION COVERAGE, IT WILL BE AT THE SOLE EXPENSE OF THE CONTRACTOR. THE TEAM LEAD OR TDOT ENVIRONMENTAL PERSONNEL WILL DETERMINE IF VEGETATION IS ESTABLISHED UP TO THE SATISFACTION OF ENVIRONMENTAL PERMITS AND TDOT REQUIREMENTS.

(6) TO BE USED FOR TEMPORARY DIVERSION CULVERTS AS DIRECTED BY CONSTRUCTION SPECIALIST OR TEAM LEAD.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
✱SFB✱SFB✱SFB✱	SILT FENCE WITH BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
	CATCH BASIN PROTECTION (TYPE A)	EC-STR-19
	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
ππππππππ	TEMPORARY BERM	EC-STR-27
	TEMPORARY SLOPE DRAIN	EC-STR-27
	EROSION CONTROL BLANKET	EC-STR-34
✱✱TUBE 20"✱✱TUBE 20"✱✱	20 INCH SEDIMENT TUBE	EC-STR-37
✱ HVF ✱ HVF ✱	HIGH VISIBILITY FENCE	S-F-1

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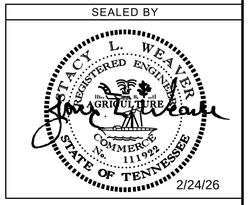

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) NOTES, LEGEND & TABULATION

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49
PS&E	2026	R-STP-322(15)	49

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-1	4.8	8.2%

62016-2206-14
BEGIN PROJECT R-STP-322(15)
STA. 500+41.07 (R.O.W.)
N 471725.8505 E 2473024.3864

62016-3206-14
BEGIN PROJECT R-STP-322(15)
STA. 501+25.00 (CONST.)
N 471642.0100 E 2473028.2608

MATCH LINE STA. 509+00 SEE SHT. NO. 49A

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STACY L. WEAVER
REGISTERED ENGINEER
No. 111922
STATE OF TENNESSEE
2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

EXISTING CONTOURS

STAGE I

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.501+25 TO STA.509+00
SCALE: 1"=50'

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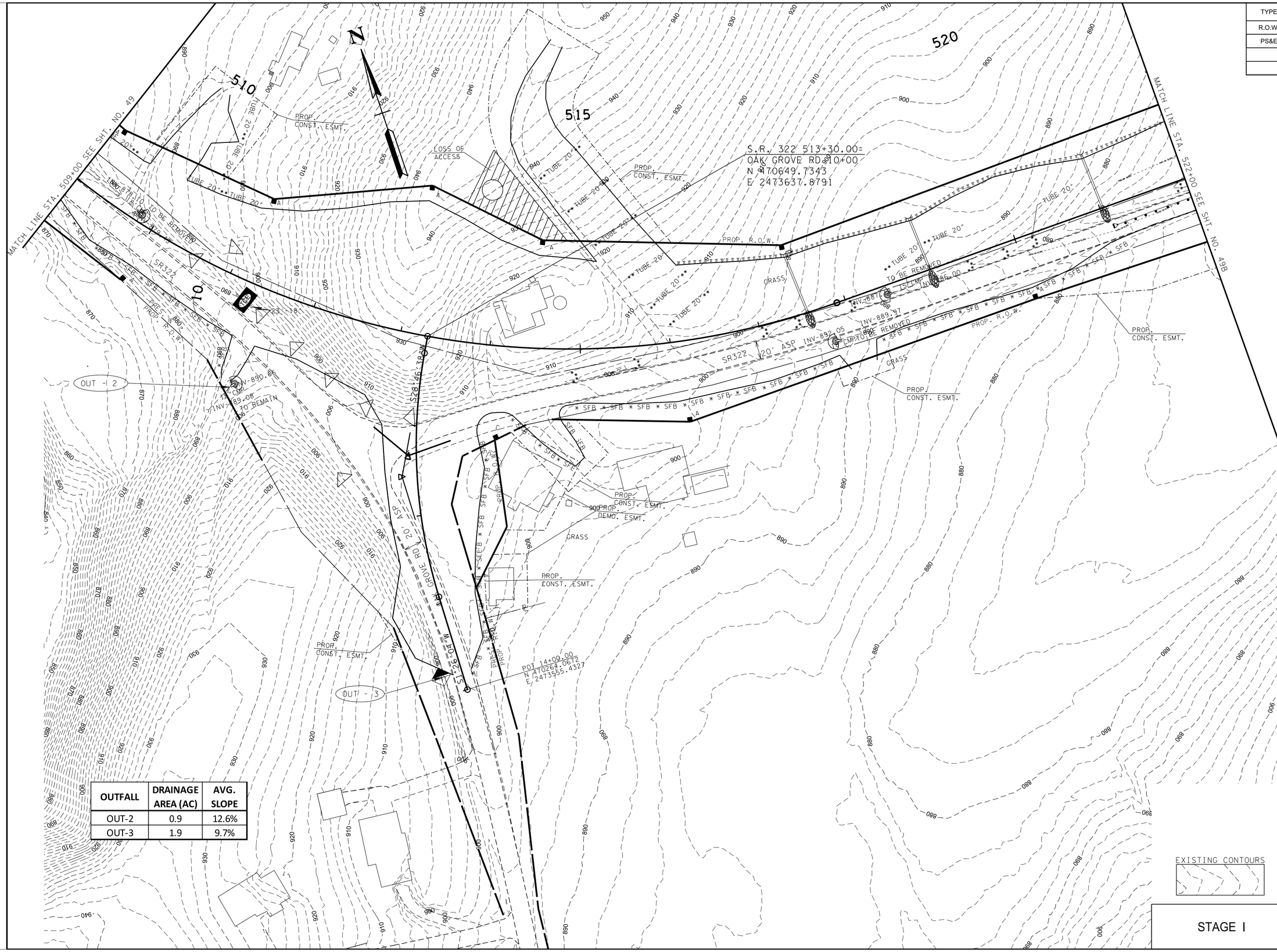
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49A
PS&E	2026	R-STP-322(15)	49A



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-2	0.9	12.6%
OUT-3	1.9	9.7%

EXISTING CONTOURS

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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA. 509+00 TO STA. 522+00
SCALE: 1"= 50'

STAGE I

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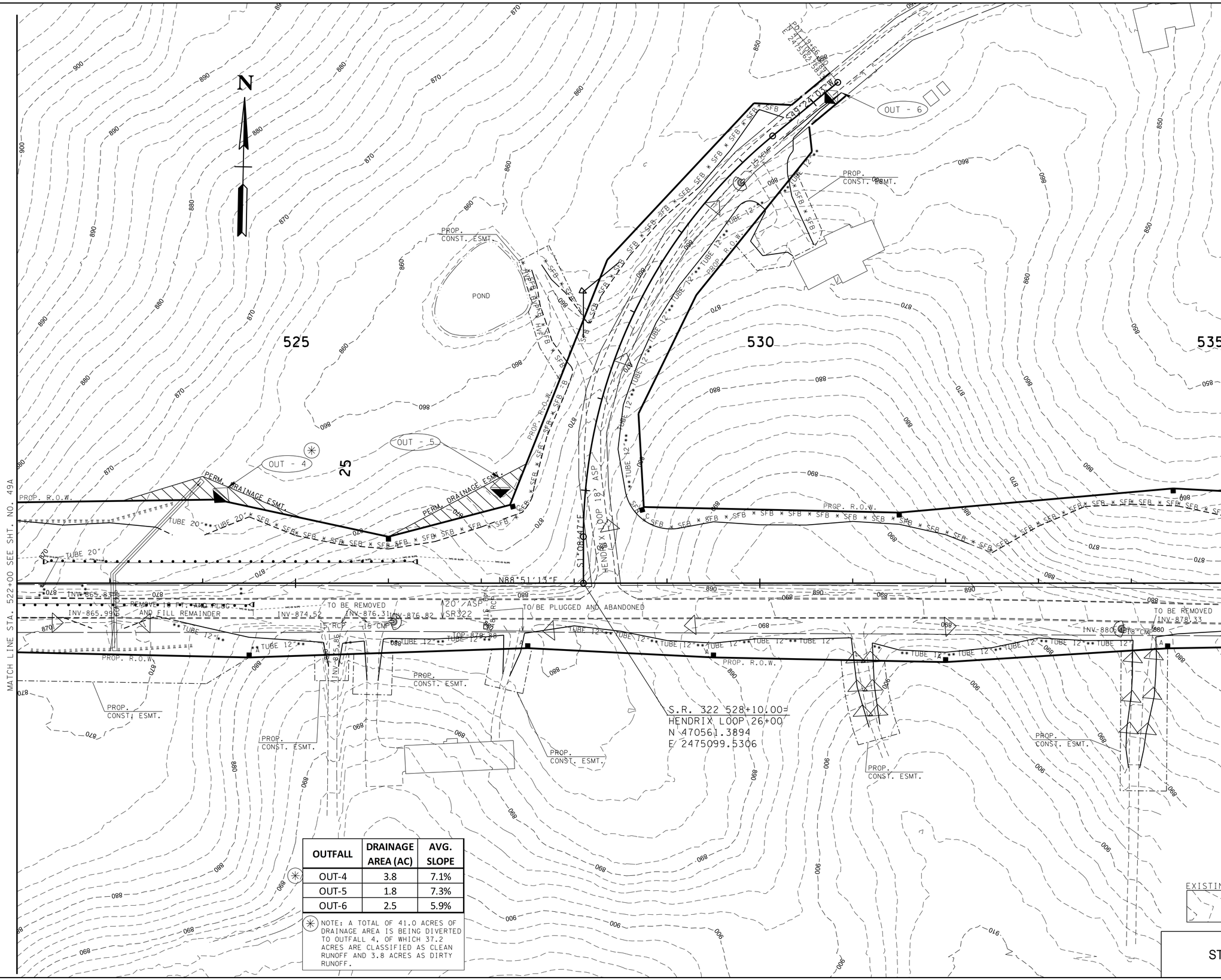
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49B
PS&E	2026	R-STP-322(15)	49B



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-4	3.8	7.1%
OUT-5	1.8	7.3%
OUT-6	2.5	5.9%

NOTE: A TOTAL OF 41.0 ACRES OF DRAINAGE AREA IS BEING DIVERTED TO OUTFALL 4, OF WHICH 37.2 ACRES ARE CLASSIFIED AS CLEAN RUNOFF AND 3.8 ACRES AS DIRTY RUNOFF.

EXISTING CONTOURS

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.522+00 TO STA.535+00
SCALE: 1"=50'

STAGE I

2/24/2026 10:00:59 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49C
PS&E	2026	R-STP-322(15)	49C

N

535

540

545

550

S.R. 322 546+30.00=
CANDI LANE 30+00
N 470743.8899
E 2476900.8664

MATCH LINE STA. 535+00 SEE SHT. NO. 49B

MATCH LINE STA. 548+00 SEE SHT. NO. 49D

PERM. DRAINAGE ESMT.

PROP. R.O.W.

PROP. CONST. ESMT.

DEMO ESMT.

GRASS

TUBE 20"

TO BE PLUGGED AND ABANDONED

20" ASP

INV-865.75

INV-868.53

INV-877.87

INV-879.00

INV-879.17

OUT - 7

OUT - 7A

OUT - 8

OUT - 8A

TO BE BACKFILLED WITH FLOWABLE FILL OUTSIDE OF PROPOSED 30" PIPE

CROSS FENCE

WATLAC

WWC-1/UDF-1

WWC-2/UDF-2

S 75° 57' 22" E

8' HICKORY

INV-884.48

14X6 CULVERT

INV-894.37

INV-885.79

18" CMP

TO BE REMOVED

INV-896.86

SR322

S 35° 02' 26" W

CANDI LANE

6"EVERGREEN

RIPRAP

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-7	2.6	4.3%
OUT-7A	2.1	10.2%
OUT-8	0.7	7.0%
OUT-8A	6.2	4.9%

EXISTING CONTOURS

STAGE I

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111939
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

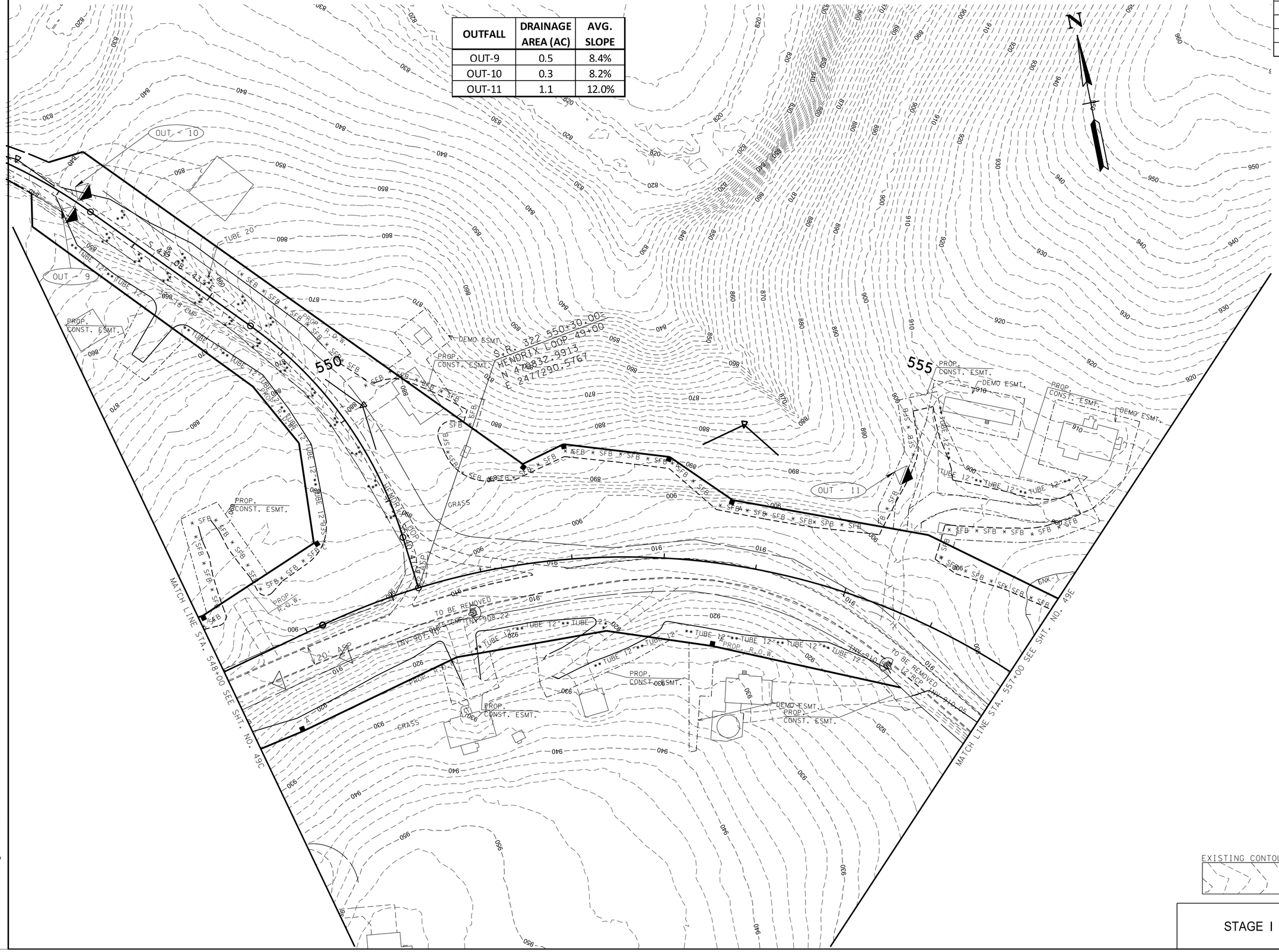
STA.538+00 TO STA.548+00

SCALE: 1"=50'

2/24/2026 10:01:00 AM
L:\SURVDES\Design\PROJECTS\MR322-05\049C.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49D
PS&E	2026	R-STP-322(15)	49D

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-9	0.5	8.4%
OUT-10	0.3	8.2%
OUT-11	1.1	12.0%



EXISTING CONTOURS

STAGE I

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
111925
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TDRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

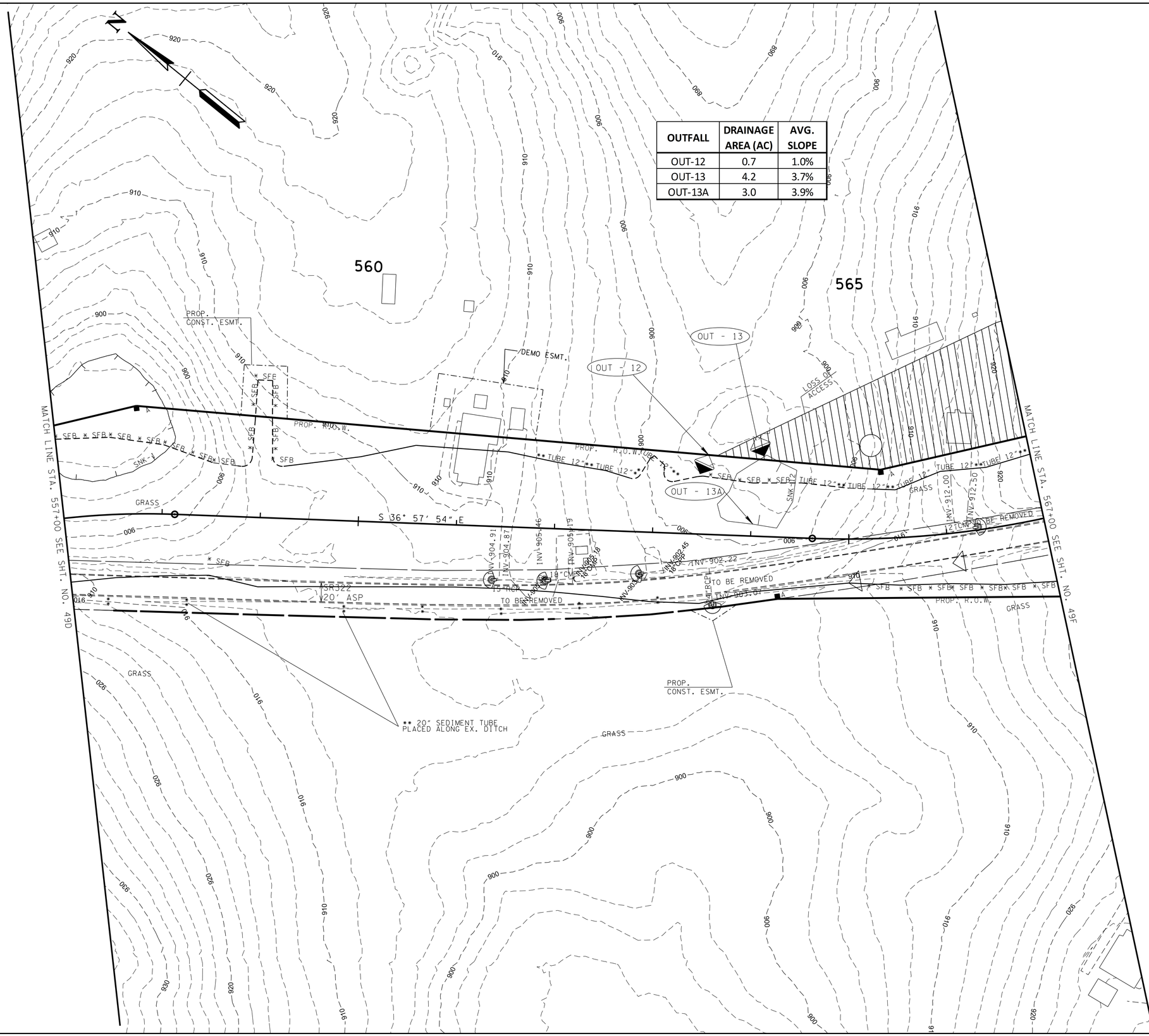
STA.548+00 TO STA.557+00

SCALE: 1"=50'

2/24/2026 10:01:02 AM
L:\SURVDES\Design\PROJECTS\MR322-05\049D.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49E
PS&E	2026	R-STP-322(15)	49E

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-12	0.7	1.0%
OUT-13	4.2	3.7%
OUT-13A	3.0	3.9%



EXISTING CONTOURS

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.557+00 TO STA.567+00
SCALE: 1"=50'

STAGE I

2/24/2026 10:01:03 AM
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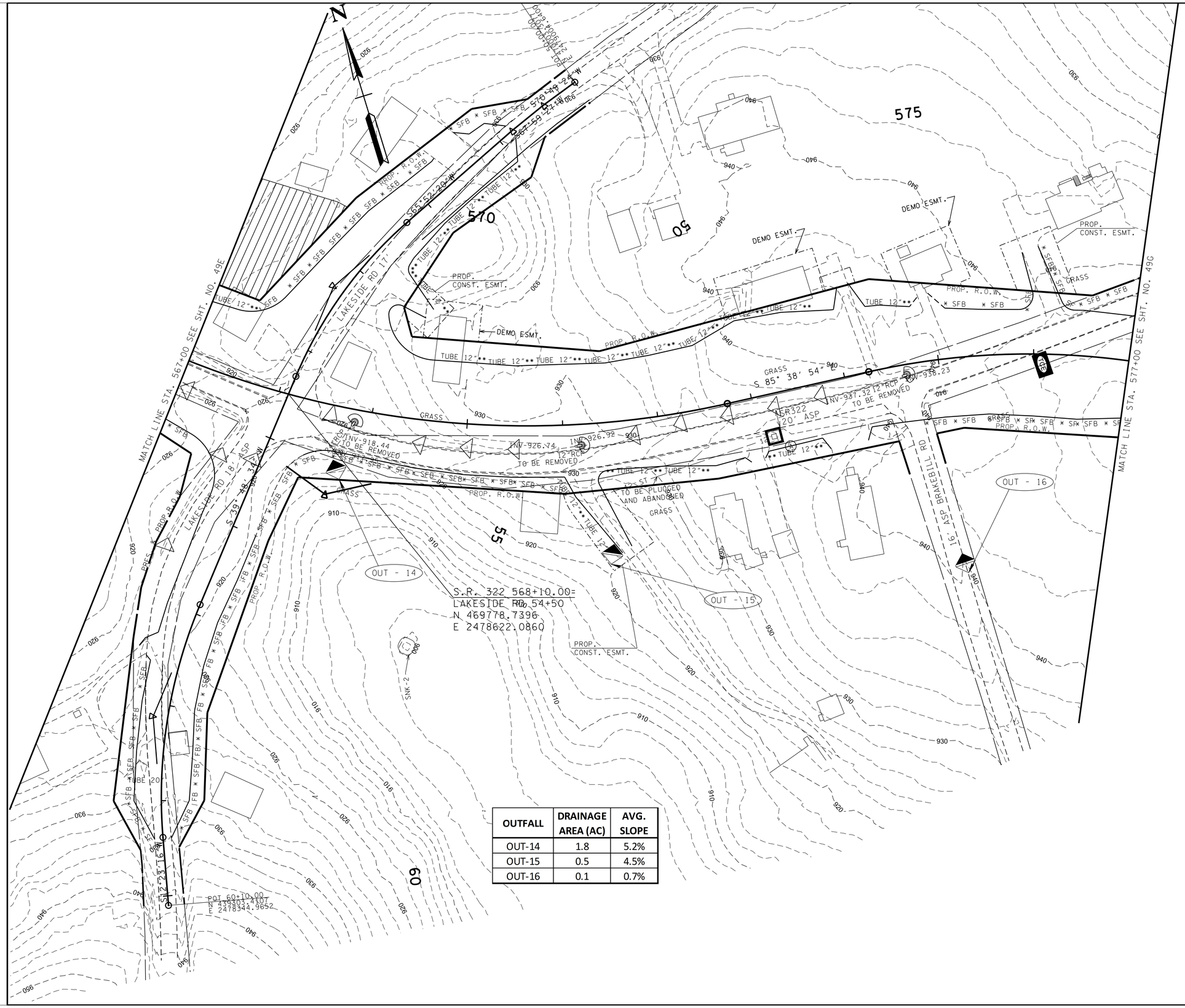
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49F
PS&E	2026	R-STP-322(15)	49F



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-14	1.8	5.2%
OUT-15	0.5	4.5%
OUT-16	0.1	0.7%

EXISTING CONTOURS

STAGE I

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
No. 111932
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.567+00 TO STA.577+00

SCALE: 1"=50'

2/24/2026 10:01:05 AM
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OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-17	0.3	5.5%
OUT-18	2.9	6.5%

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49G
PS&E	2026	R-STP-322(15)	49G

OUT - 17

OUT - 18

S 86° 52' 50" W

S 39° 53' 48" W

S 31° 50' 40" E

S 58° 09' 20" W

S.R. 322 579+00.00=
OLD S.R. 322 RD 75+00
N 469447.2112
E 2479642.5011

S.R. 322 581+75.00=
BRAKEBILL RD 60+00
N 469237.2492
E 2479818.2201

PROP. R.O.W.

PROP. CONST. ESMT.

TUBE 12" * TUBE 12" * SFB * SFB * SFB

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49H
PS&E	2026	R-STP-322(15)	49H



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-19	1.0	14.0%
OUT-20	3.9	10.0%
OUT-21	4.2	5.8%

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
No. 111932
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

EXISTING CONTOURS

STAGE I

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.590+00 TO STA.601+00

SCALE: 1"=50'

2/24/2026 10:01:08 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49J
PS&E	2026	R-STP-322(15)	49J

MATCH LINE STA. 210+00 SEE SHT. NO 49P

MATCH LINE STA. 601+00 SEE SHT. NO. 49H

MATCH LINE STA. 612+00 SEE SHT. NO. 49K

MATCH LINE STA. 219+00 SEE SHT. NO 49N

MATCH LINE STA. 83+00 SEE SHT. 49M

N

S 3° 07' 53" E

S 73° 21' 19" W

N 85° 25' 39" E

605

610

215

80

SR 72

45' ASP

PRES. & PROP. R.O.W.

PROP. R.O.W.

PRESSLEY RD 18' ASPH

CONST. ESMT.

GRASS

SNK-9

END PROPOSED ACCESS CONTROL FENCE STA. 216+07.22

23'-18"

18" CMP (60' T.B.R) (160' TO BE PLUGGED & ABANDONED)

INV-876.03

INV-875.87

INV-880.10

INV-880.18

LAG RIP-RAP 10'x7'

OUT - 23

S.R. 322 602+40.00=
PRESSLEY RD 80+00
N 467922.7637
E 2481353.7563

S.R. 322 & EXCELLENCE WAY 607+44.29=
S.R. 72 217+00
N 467866.6710
E 2481848.4783

PROP. R.O.W.

EXCELLENCE WAY

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-22	N/A	
OUT-23	2.0	2.0%

EXISTING CONTOURS

STAGE I

SEALED BY

TACY L. WEAVER
REGISTERED ENGINEER
No. 111932
STATE OF TENNESSEE
2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.601+00 TO STA.612+00

SCALE: 1"=50'

2/24/2026 10:01:10 AM

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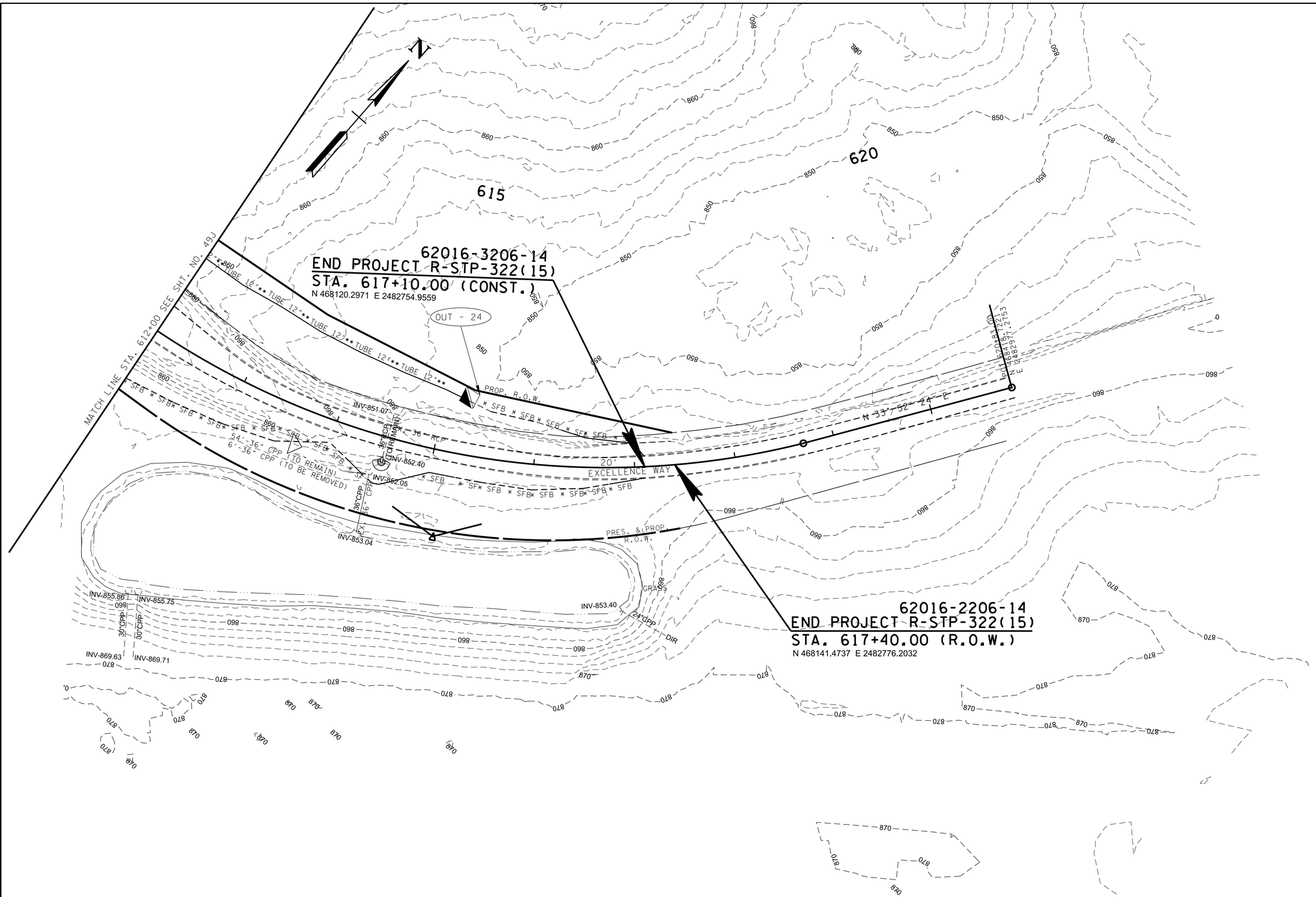
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49K
PS&E	2026	R-STP-322(15)	49K



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-24	20.4	1.1%

EXISTING CONTOURS

STAGE I

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
No. 111932
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE & INSURANCE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.612+00 TO STA.617+10

SCALE: 1"=50'

2/24/2026 10:01:11 AM
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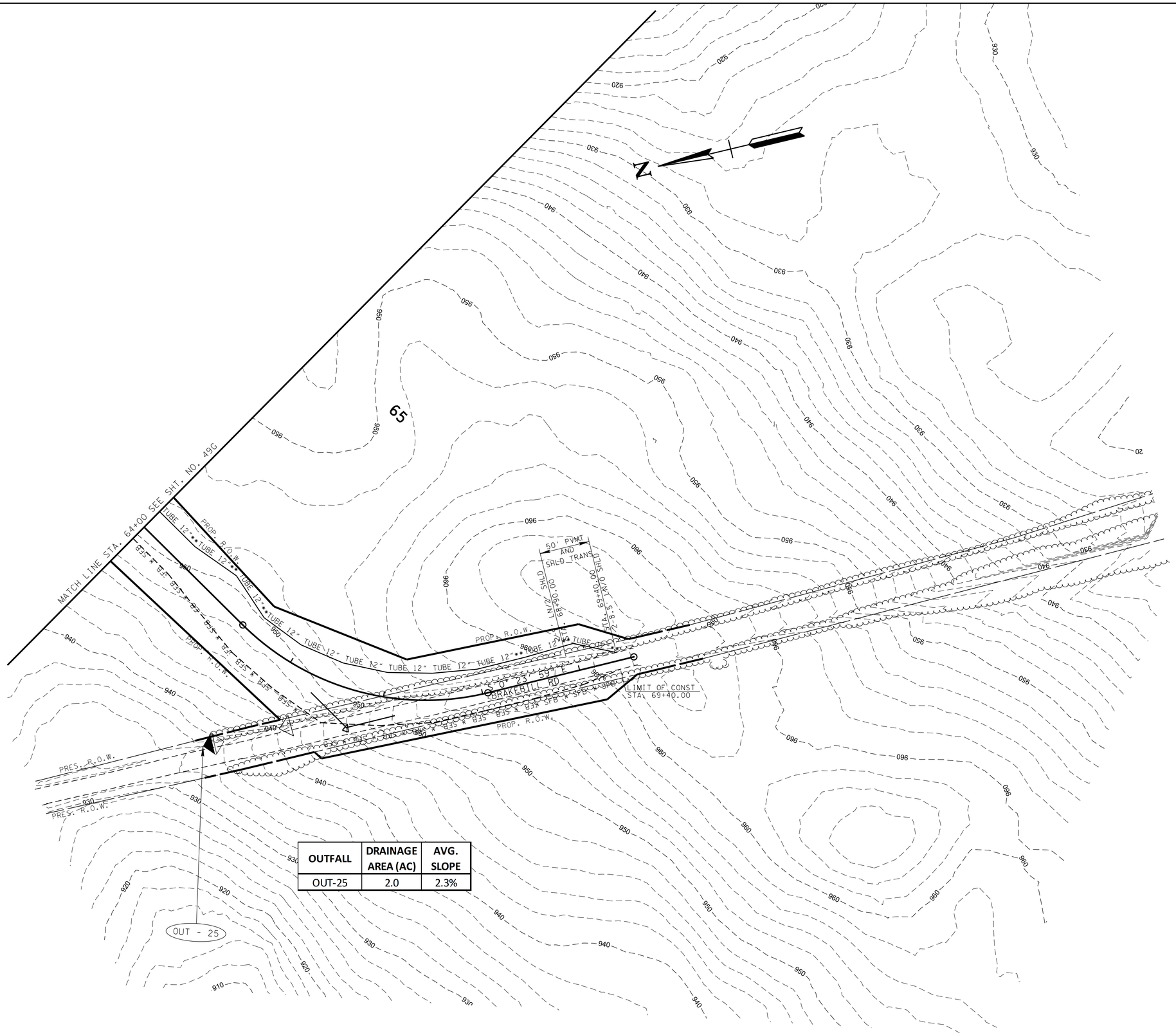
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49L
PS&E	2026	R-STP-322(15)	49L



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-25	2.0	2.3%

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

EXISTING CONTOURS

STAGE I

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.64+00 TO STA.69+40

SCALE: 1"=50'

2/24/2026 10:01:12 AM
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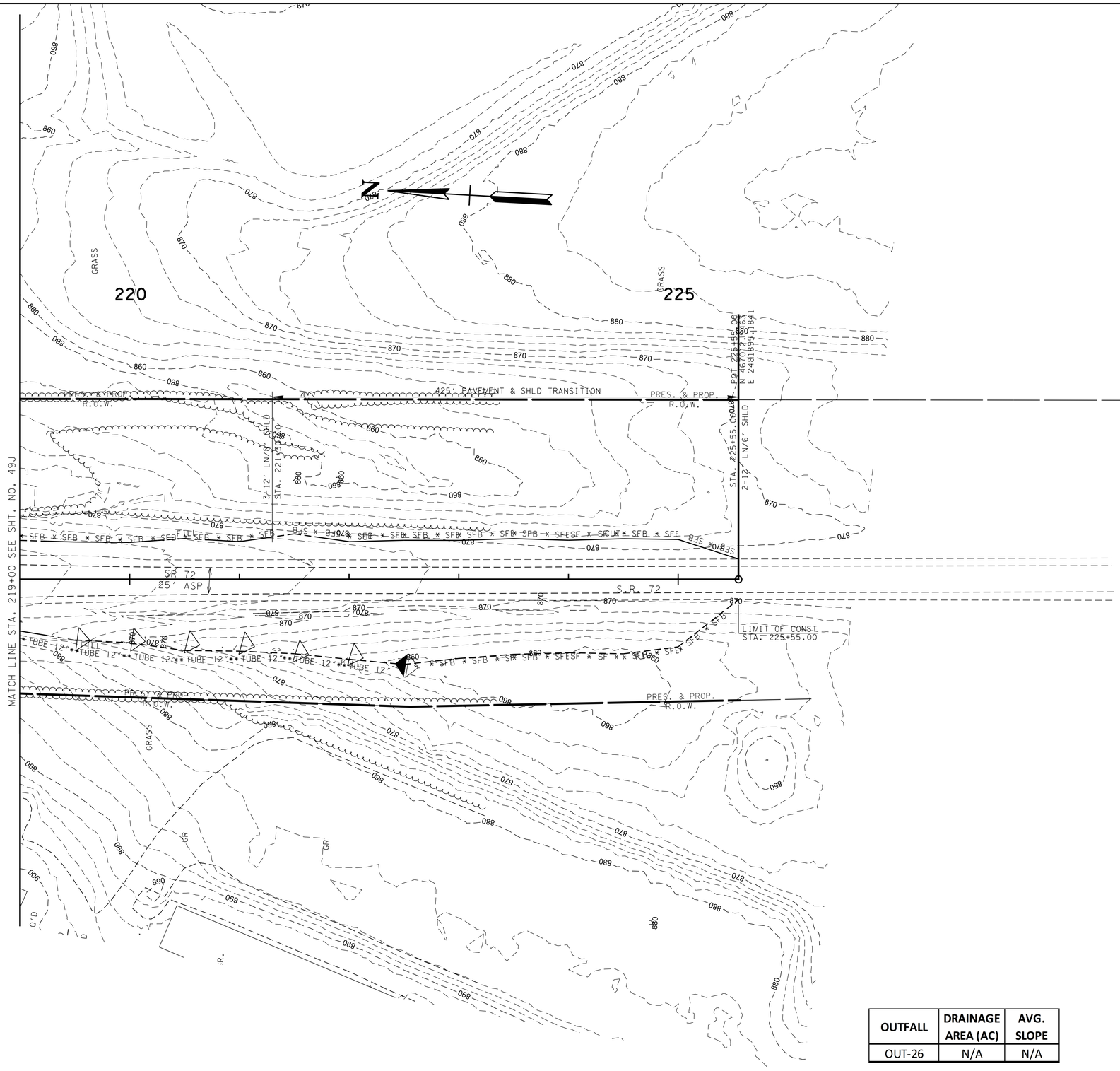
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49M
PS&E	2026	R-STP-322(15)	49M



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49N
PS&E	2026	R-STP-322(15)	49N



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-26	N/A	N/A

EXISTING CONTOURS

STAGE I

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111932
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.219+00 TO STA.225+55

SCALE: 1"=50'

2/24/2026 10:01:14 AM
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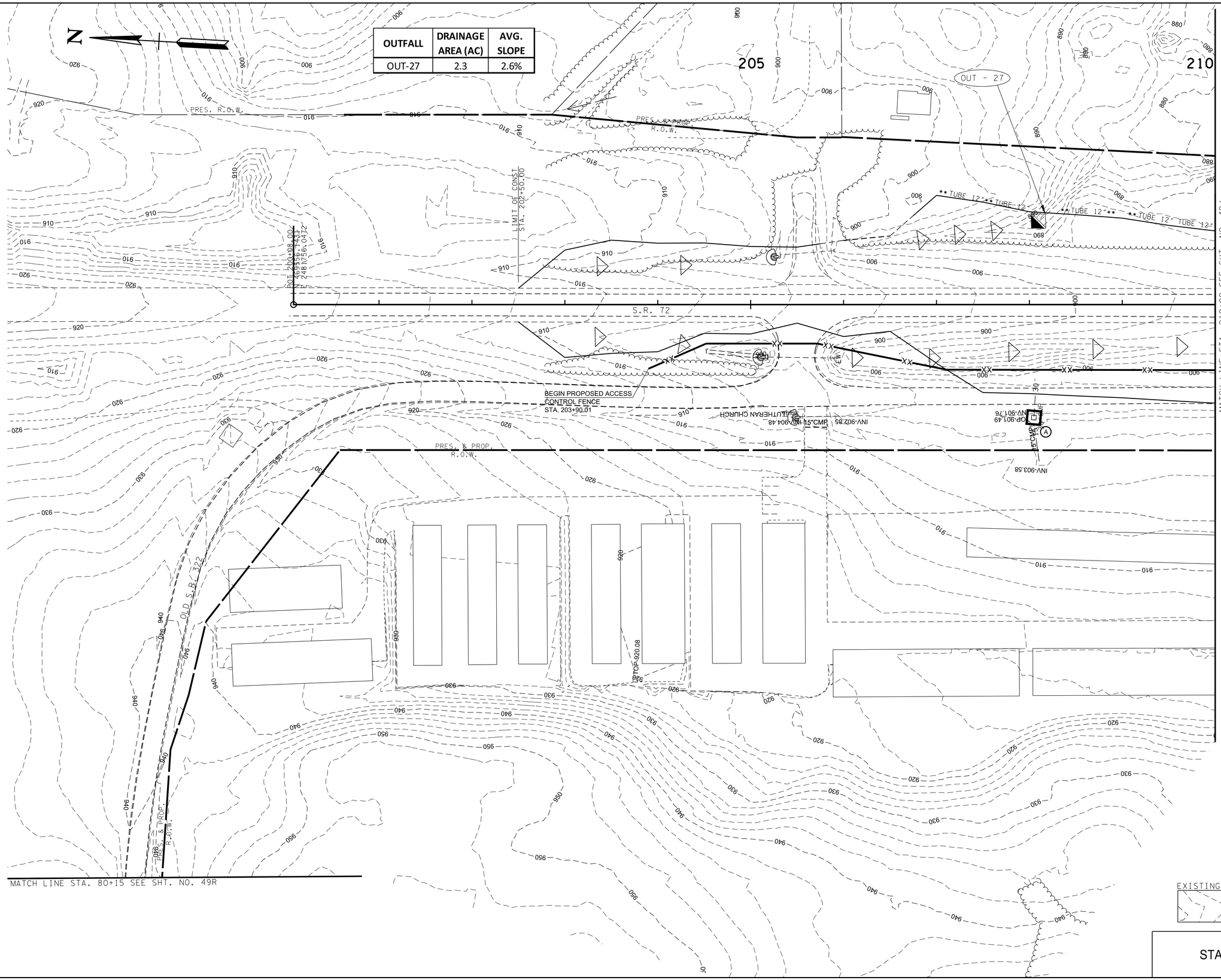
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	49P
PS&E	2026	R-STP-322(15)	49P

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-27	2.3	2.6%



EXISTING CONTOURS

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.210+00 TO STA.202+50
SCALE: 1"=50'

STAGE I

2/24/2026 10:01:15 AM
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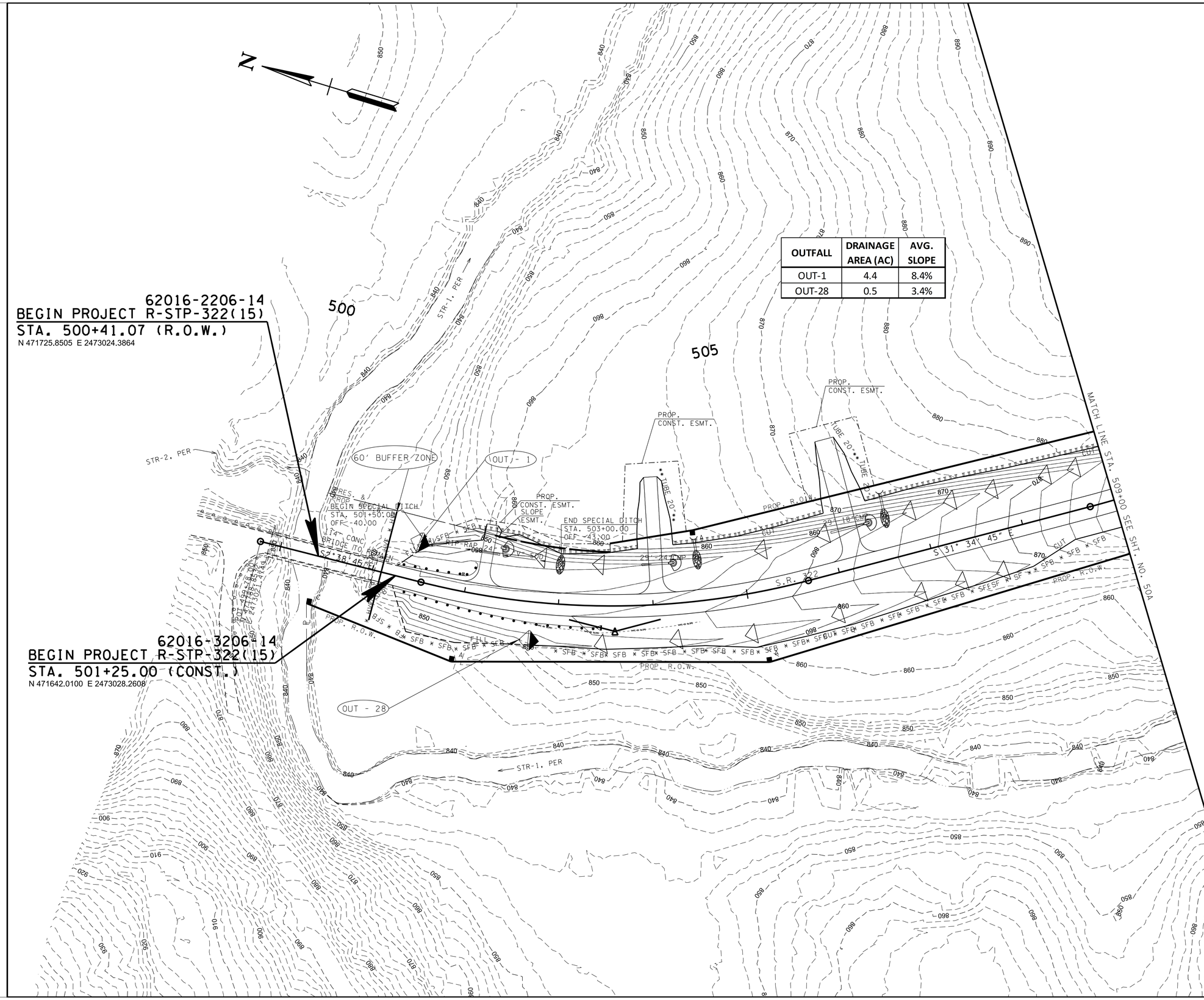
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50
PS&E	2026	R-STP-322(15)	50



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-1	4.4	8.4%
OUT-28	0.5	3.4%

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE II

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.501+25 TO STA.509+00
SCALE: 1"=50'

2/24/2026 10:01:17 AM
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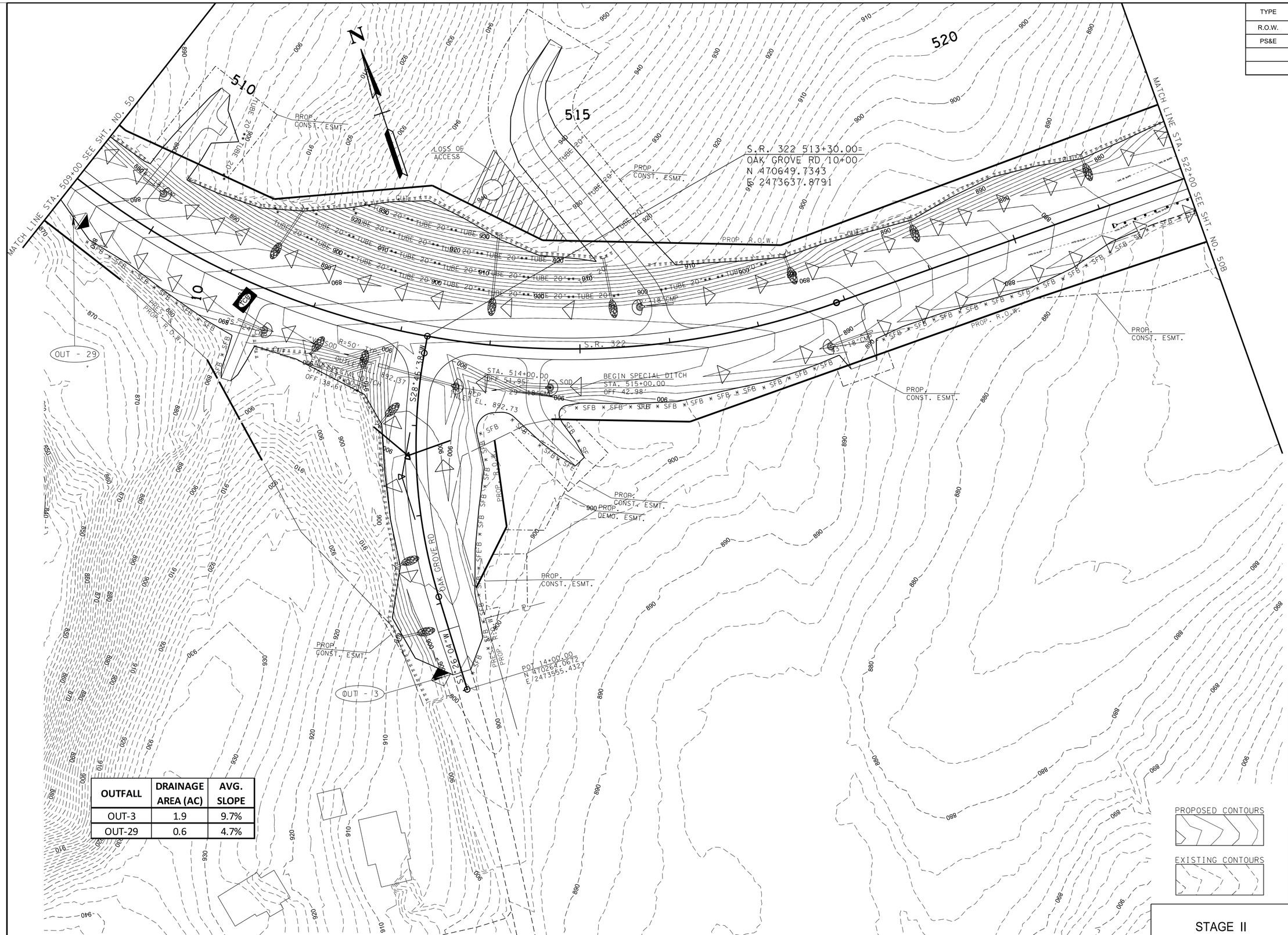
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50A
PS&E	2026	R-STP-322(15)	50A



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-3	1.9	9.7%
OUT-29	0.6	4.7%

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

PROPOSED CONTOURS

EXISTING CONTOURS

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.509+00 TO STA.522+00

SCALE: 1"=50'

STAGE II

2/24/2026 10:01:19 AM
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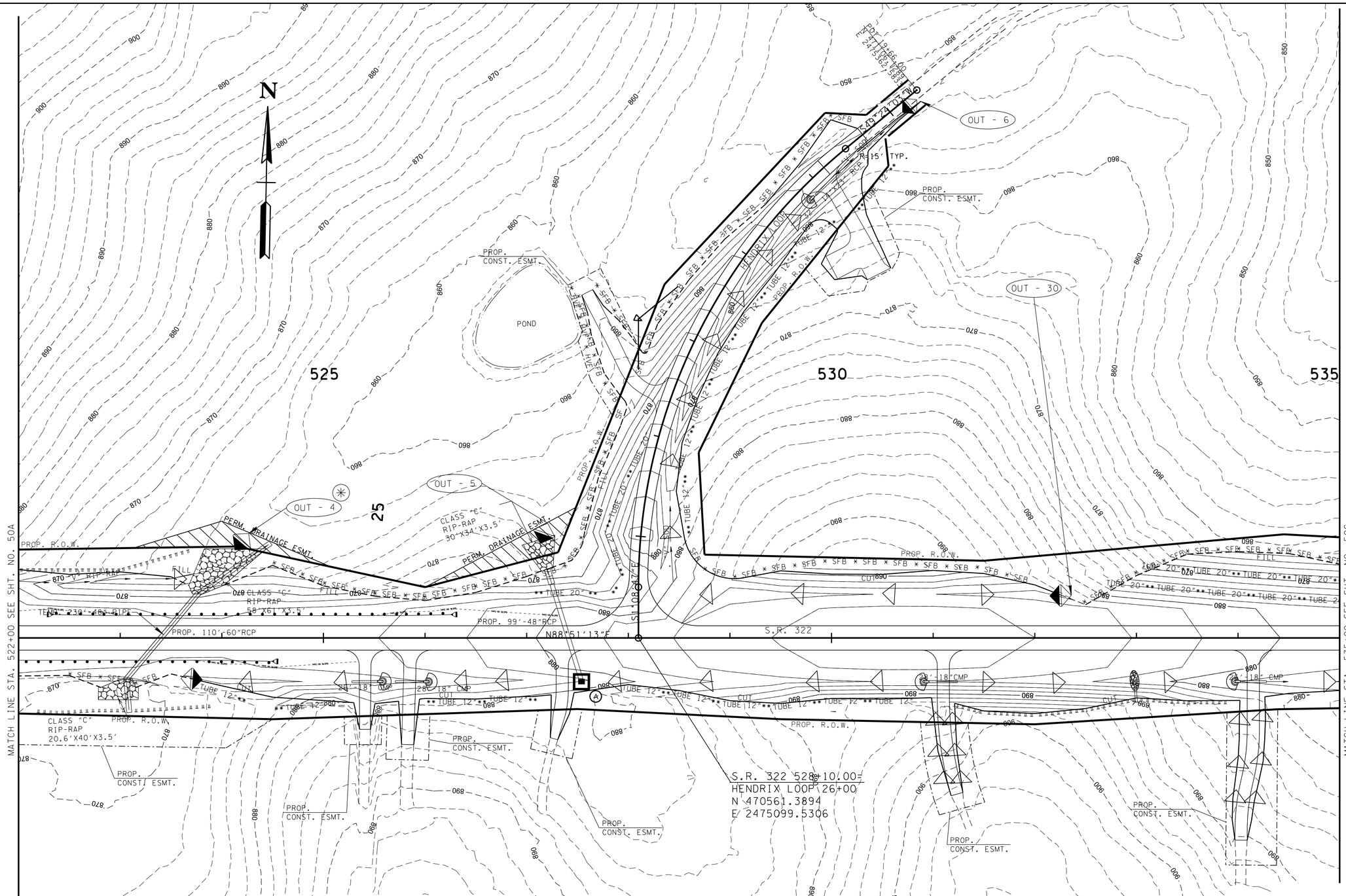
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50B
PS&E	2026	R-STP-322(15)	50B



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-4	3.8	7.1%
OUT-5	1.8	7.3%
OUT-6	2.5	5.9%
OUT-30	0.3	1.4%

(*) NOTE: A TOTAL OF 41.0 ACRES OF DRAINAGE AREA IS BEING DIVERTED TO OUTFALL 4, OF WHICH 37.2 ACRES ARE CLASSIFIED AS CLEAN RUNOFF AND 3.8 ACRES AS DIRTY RUNOFF.

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE II

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE & AG. 111932
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.522+00 TO STA.535+00

SCALE: 1"=50'

2/24/2026 10:01:20 AM
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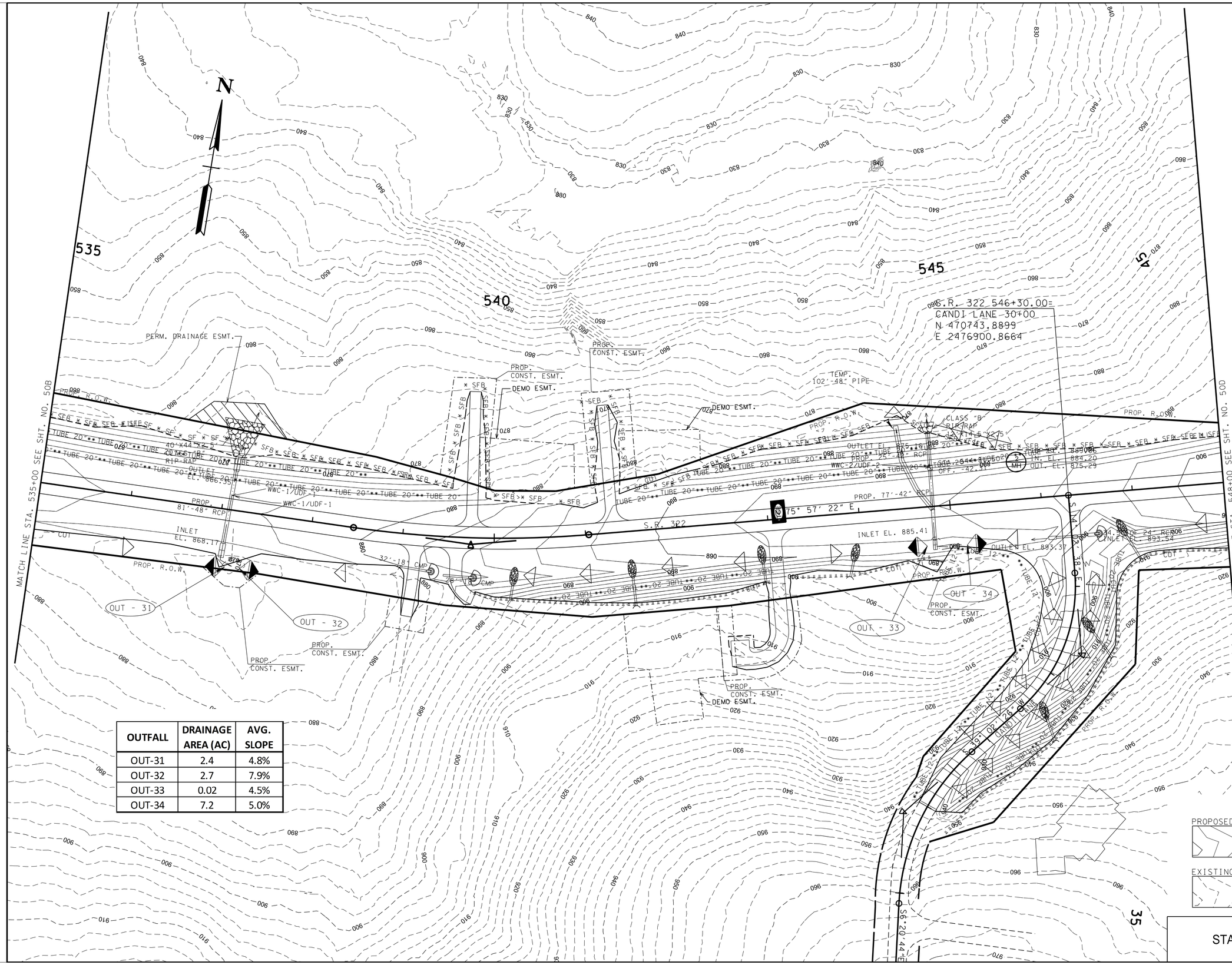
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50C
PS&E	2026	R-STP-322(15)	50C



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-31	2.4	4.8%
OUT-32	2.7	7.9%
OUT-33	0.02	4.5%
OUT-34	7.2	5.0%

PROPOSED CONTOURS

EXISTING CONTOURS

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.535+00 TO STA.548+00

SCALE: 1"=50'

STAGE II

2/24/2026 10:01:22 AM
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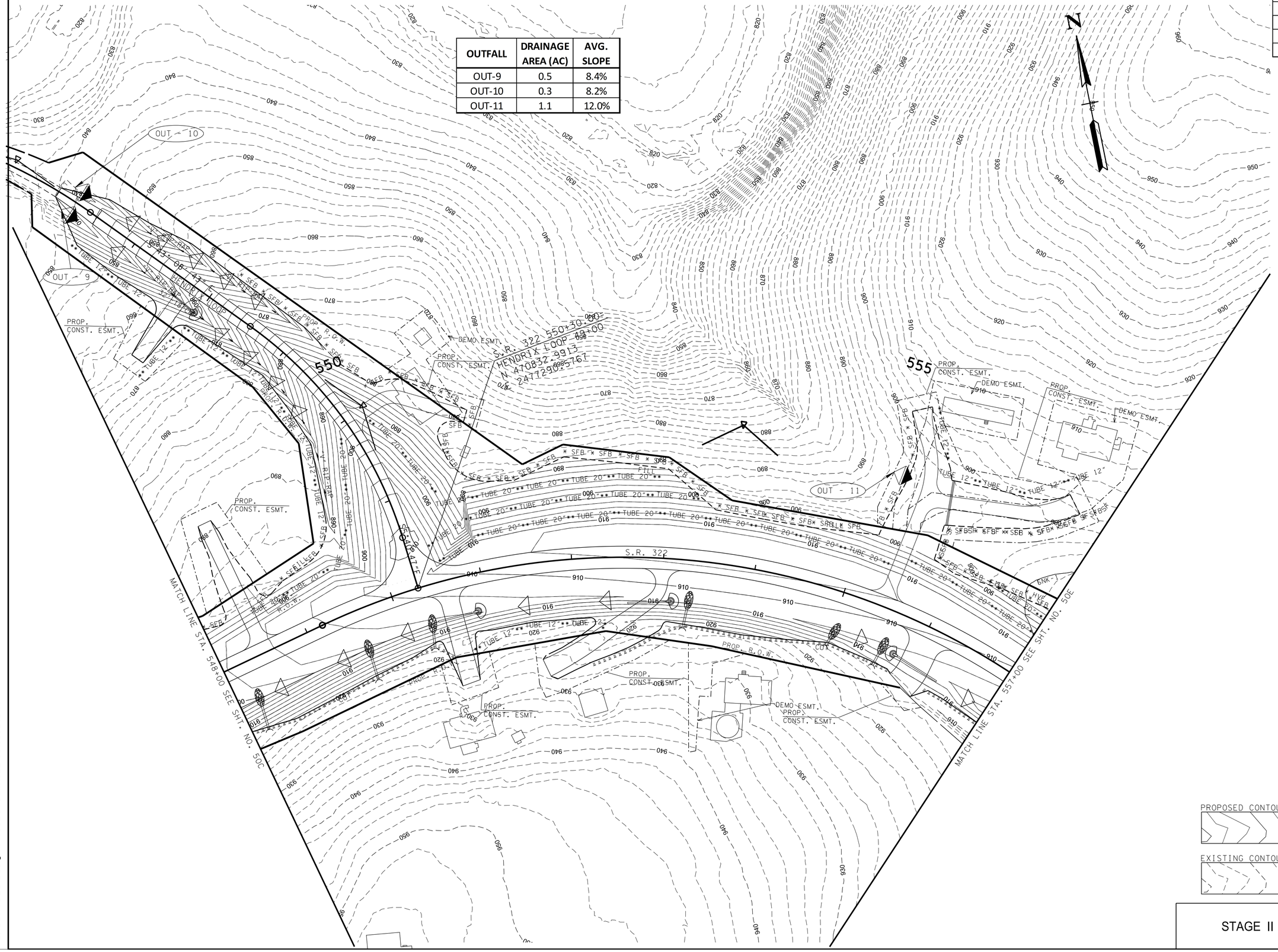
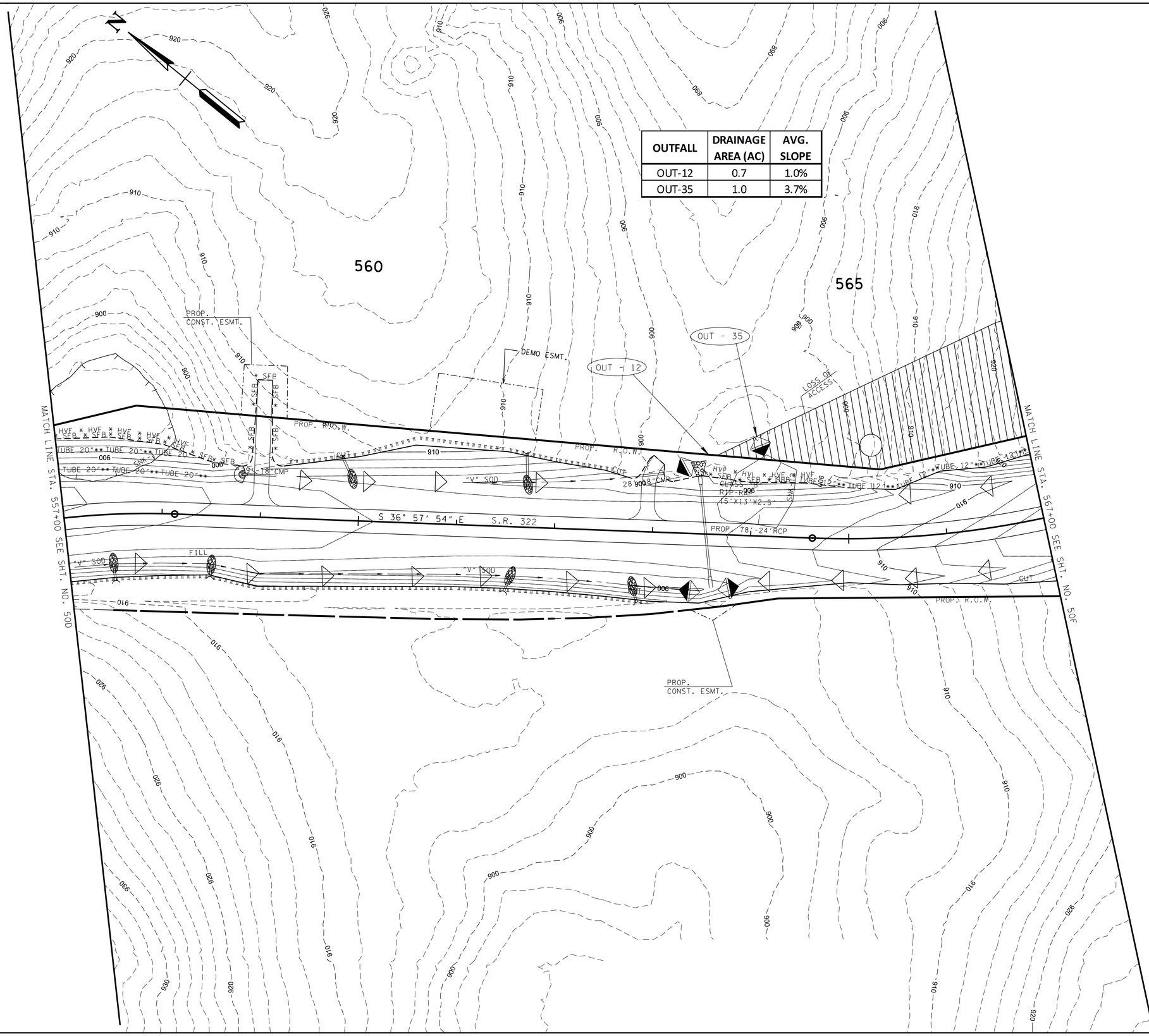
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50D
PS&E	2026	R-STP-322(15)	50D

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-9	0.5	8.4%
OUT-10	0.3	8.2%
OUT-11	1.1	12.0%


N
OUT - 10
OUT - 9
OUT - 11
550
555
S.R. 322
S.R. 322 550+30.00
HENDRIX LOOP 49+00
N 470832.9913
E 2477290.5767
HENDRIX LOOP
PROP. CONST. ESMT.
PROP. R.O.W.
DEMO ESMT.
PROP. CONST. ESMT. DEMO ESMT.
PROP. CONST. ESMT.
PROP. CONST. ESMT.
PROP. CONST. ESMT.
DEMO ESMT. PROP. CONST. ESMT.
PROP. R.O.W.
PROP. R.O.W.
MATCH LINE STA. 548+00 SEE SHT. NO. 50C
MATCH LINE STA. 557+00 SEE SHT. NO. 50E
SFB
TUBE 12"
TUBE 20"
FTU
SFBSK
SFBH
SFBV
SFBSV
SFBSH
SFBSW
SFBW
SFBSW
SFBSV
SFBSH
SFBH
SFBV

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50E
PS&E	2026	R-STP-322(15)	50E

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-12	0.7	1.0%
OUT-35	1.0	3.7%



PROPOSED CONTOURS

EXISTING CONTOURS

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

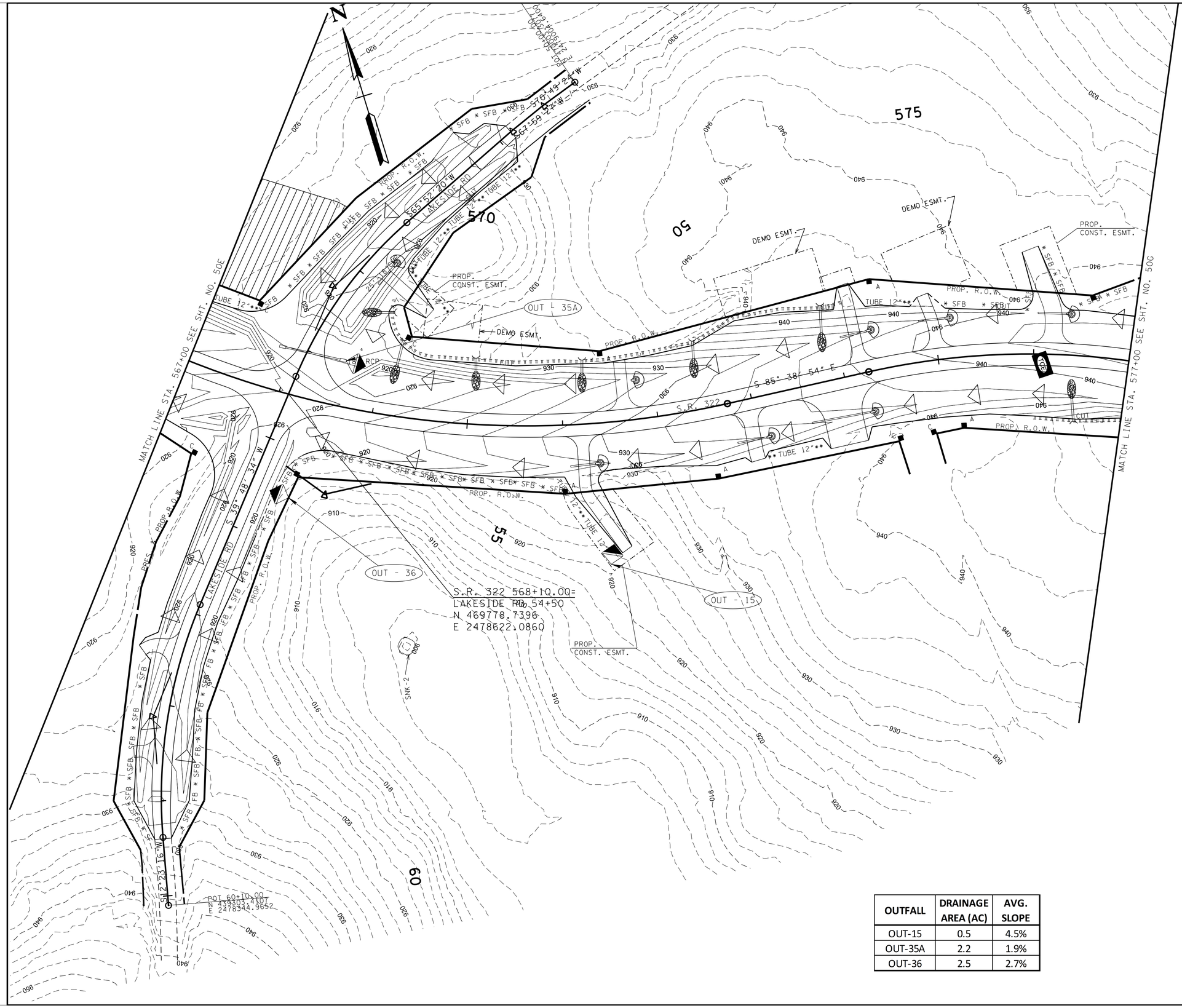
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.557+00 TO STA.567+00
SCALE: 1"=50'

STAGE II

2/24/2026 10:01:25 AM
L:\SURVDES\Design\PROJECTS\MR322-05\050E.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50F
PS&E	2026	R-STP-322(15)	50F



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-15	0.5	4.5%
OUT-35A	2.2	1.9%
OUT-36	2.5	2.7%

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE II

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111022
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.567+00 TO STA.577+00

SCALE: 1"=50'

2/24/2026 10:01:27 AM
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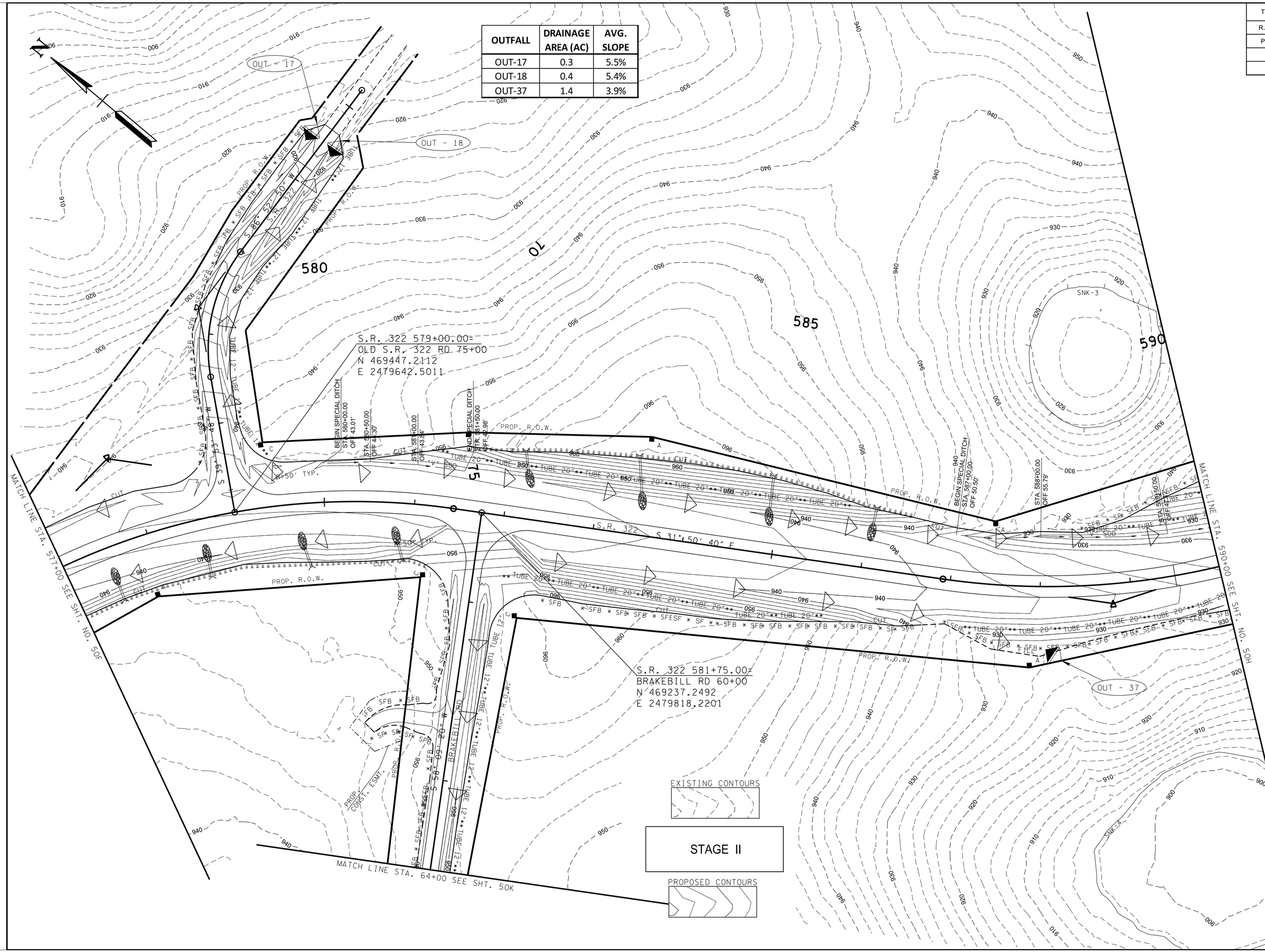
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50G
PS&E	2026	R-STP-322(15)	50G

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-17	0.3	5.5%
OUT-18	0.4	5.4%
OUT-37	1.4	3.9%



SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.577+00 TO STA.590+00
SCALE: 1"=50'

2/24/2026 10:01:29 AM
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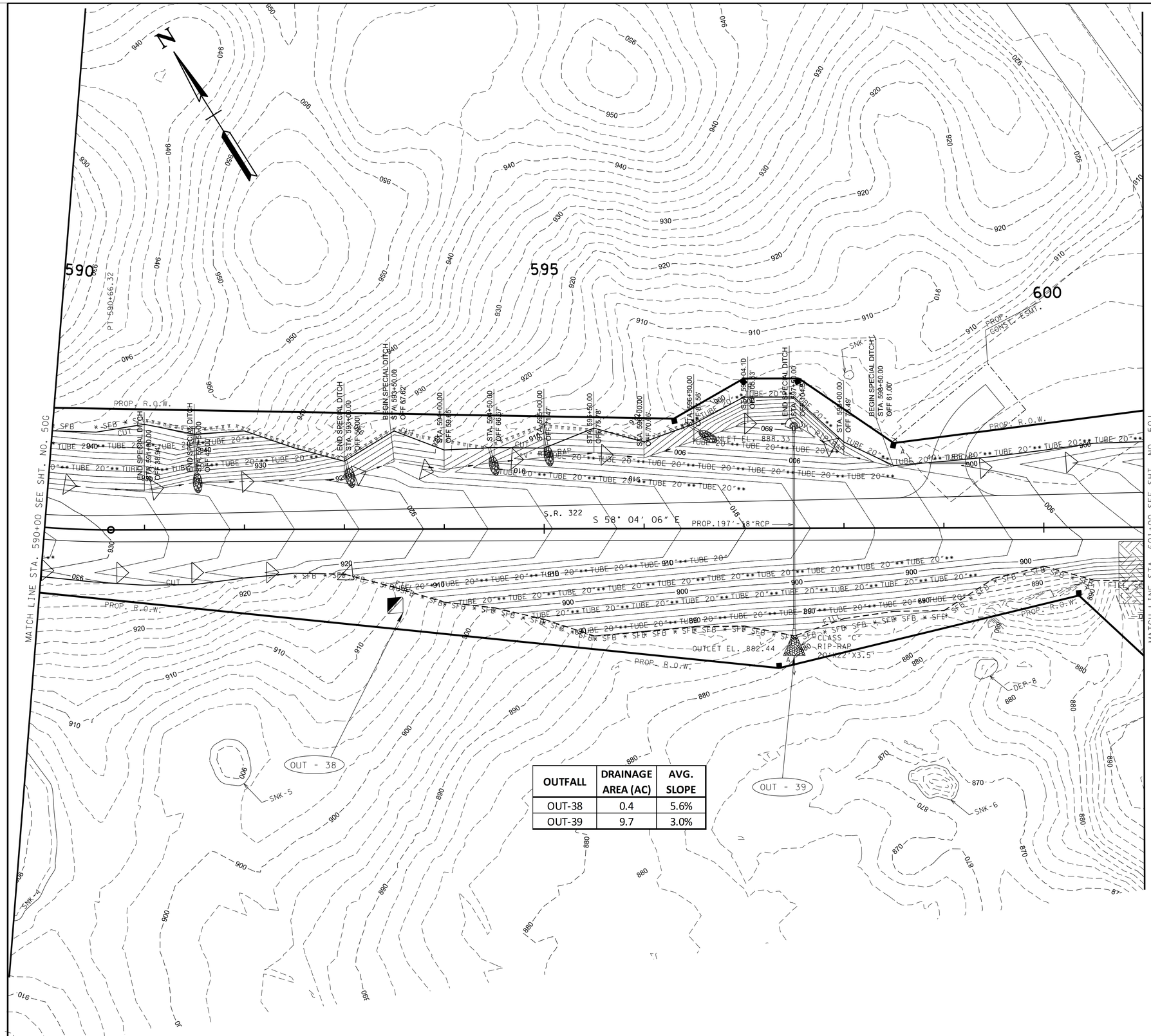
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50H
PS&E	2026	R-STP-322(15)	50H



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-38	0.4	5.6%
OUT-39	9.7	3.0%

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE II

SEALED BY

TRACY L. WEAVER REGISTERED ENGINEER AGRICULTURE COMMERCE No. 111929 STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.590+00 TO STA.601+00

SCALE: 1"=50'

2/24/2026 10:01:31 AM

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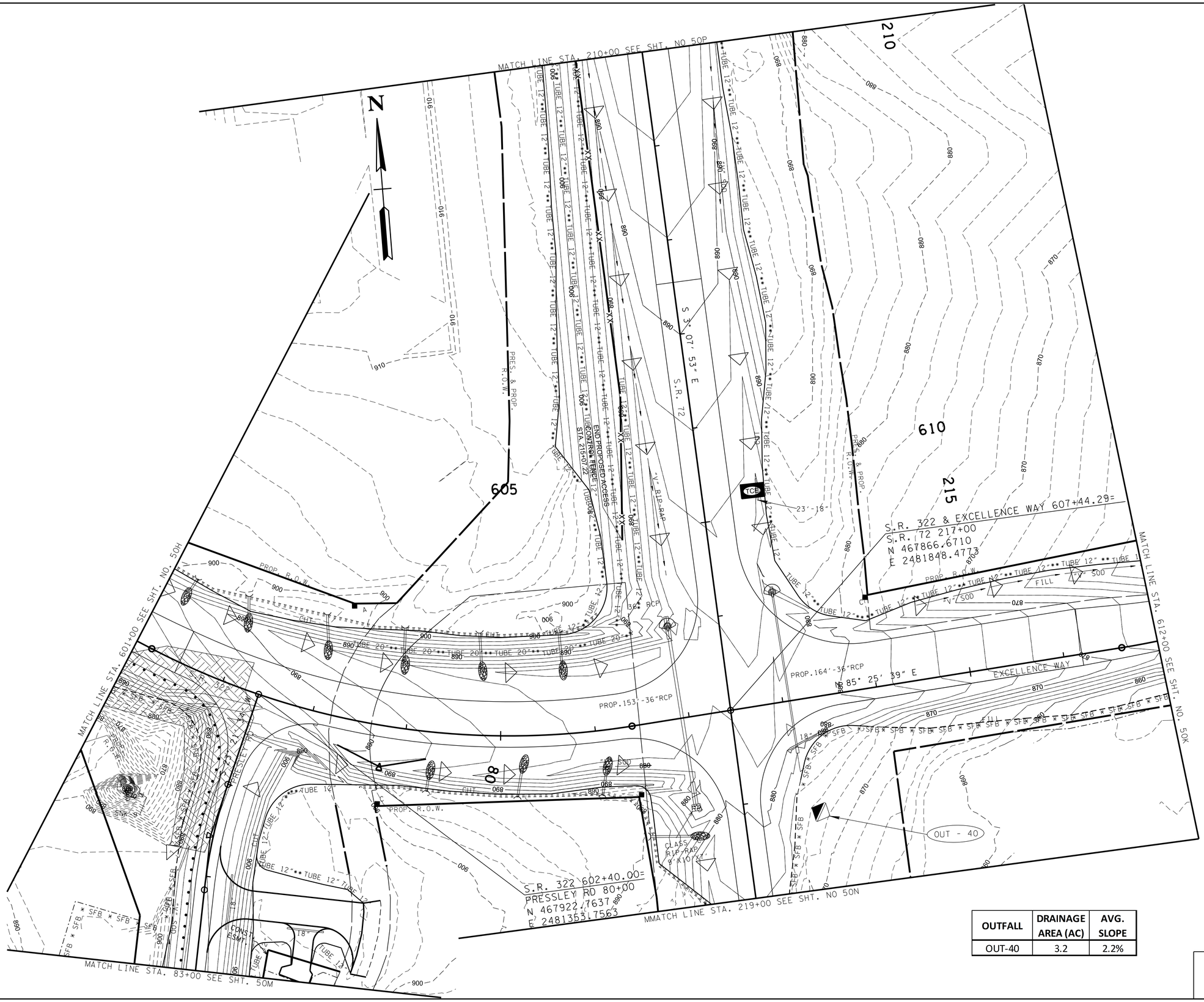
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50J
PS&E	2026	R-STP-322(15)	50J



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-40	3.2	2.2%

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE II

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
No. 111932
STATE OF TENNESSEE
2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.601+00 TO STA.612+00

SCALE: 1"=50'

2/24/2026 10:01:33 AM
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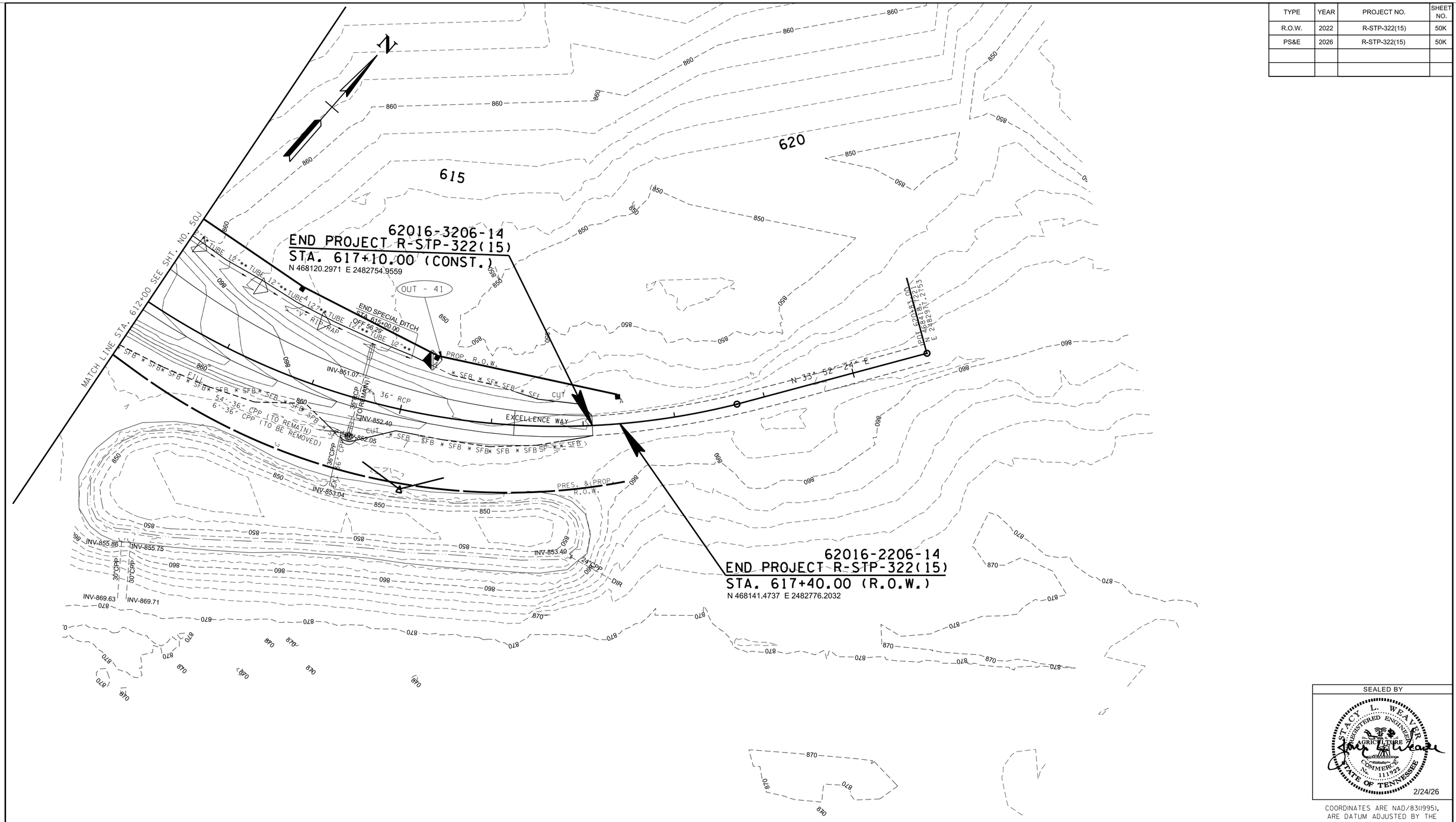
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50K
PS&E	2026	R-STP-322(15)	50K



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-41	5.0	5.1%

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE II

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111929
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.612+00 TO STA.617+10

SCALE: 1"=50'

2/24/2026 10:01:34 AM
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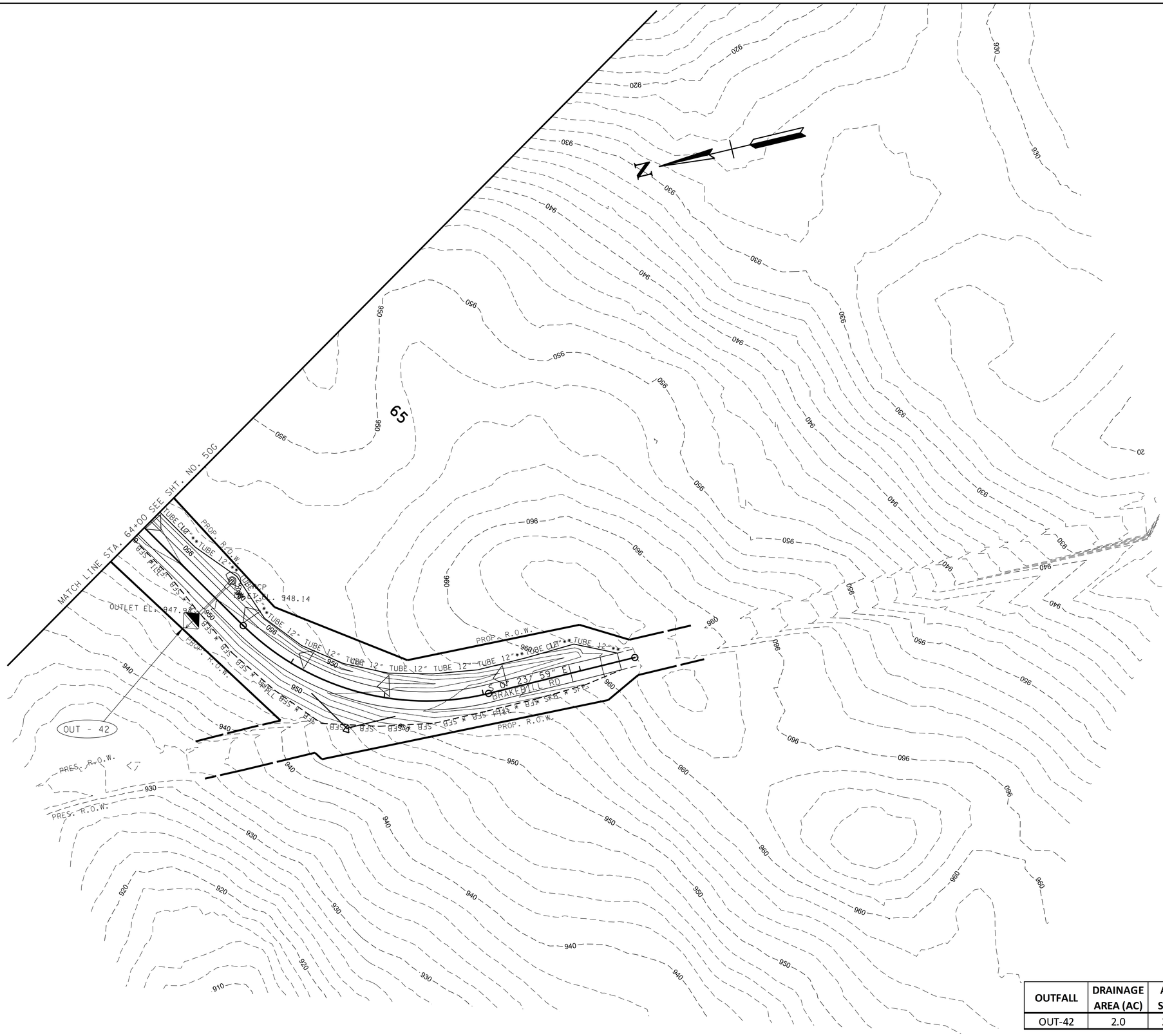
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50L
PS&E	2026	R-STP-322(15)	50L



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-42	2.0	2.3%

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE II

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.64+00 TO STA.69+40
SCALE: 1"=50'

2/24/2026 10:01:35 AM
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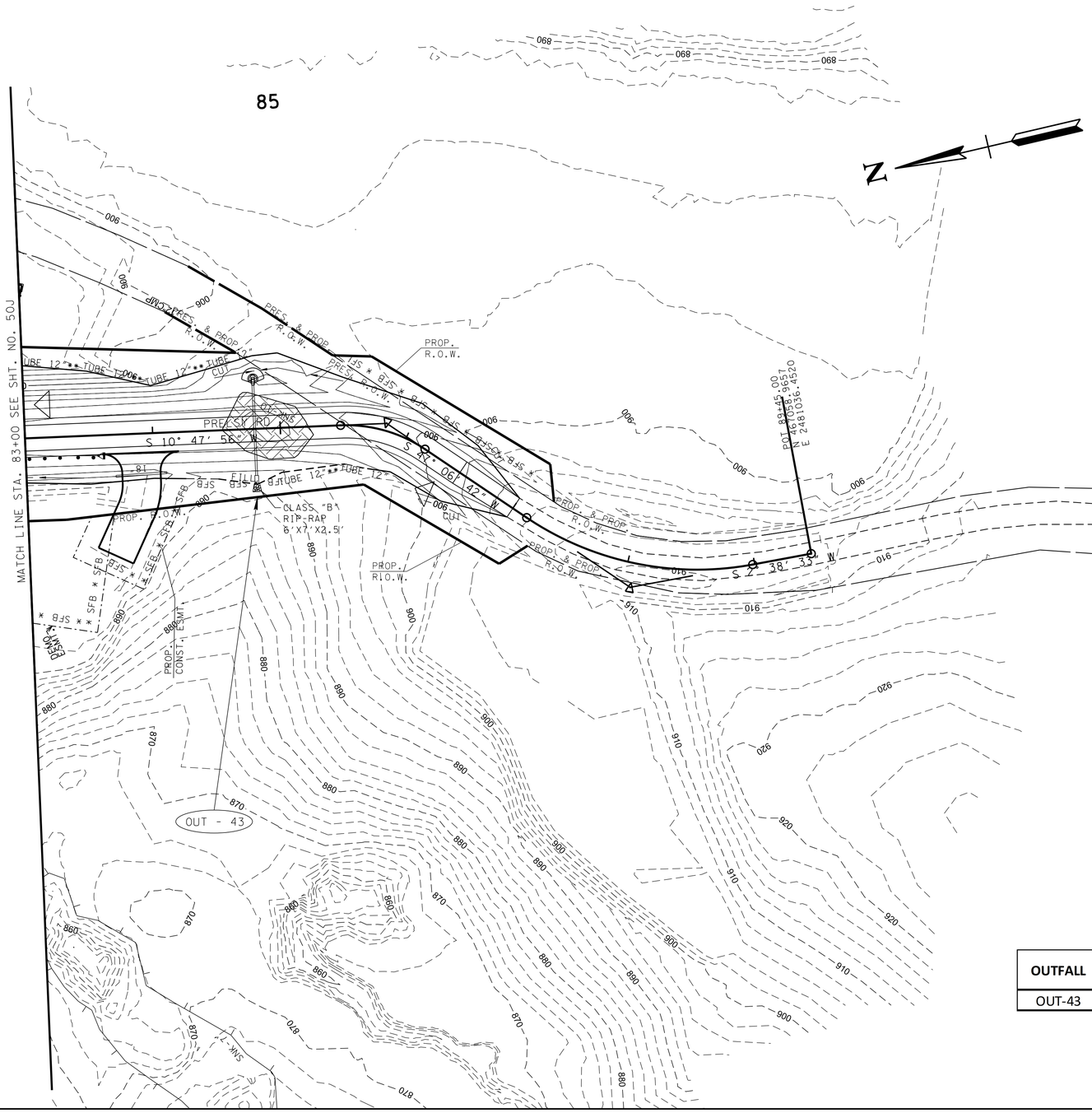
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50M
PS&E	2026	R-STP-322(15)	50M


85
N
MATCH LINE STA. 83+00 SEE SHT. NO. 50J
S 10° 47' 56" W
S 27° 06' 42" W
S 2° 38' 33" W
PROP. R.O.W.
PROP. & PROP. R.O.W.
PROP. R10.W.
PROP. CONST. ESMT.
EXIST. CONST. ESMT.
PRESS. R.O.W.
PRESS. & PROP. R.O.W.
CLASS "B" RIP-RAP 6'X7'X2.5'
OUT - 43
SNK-10
SFB
SFS
SJS
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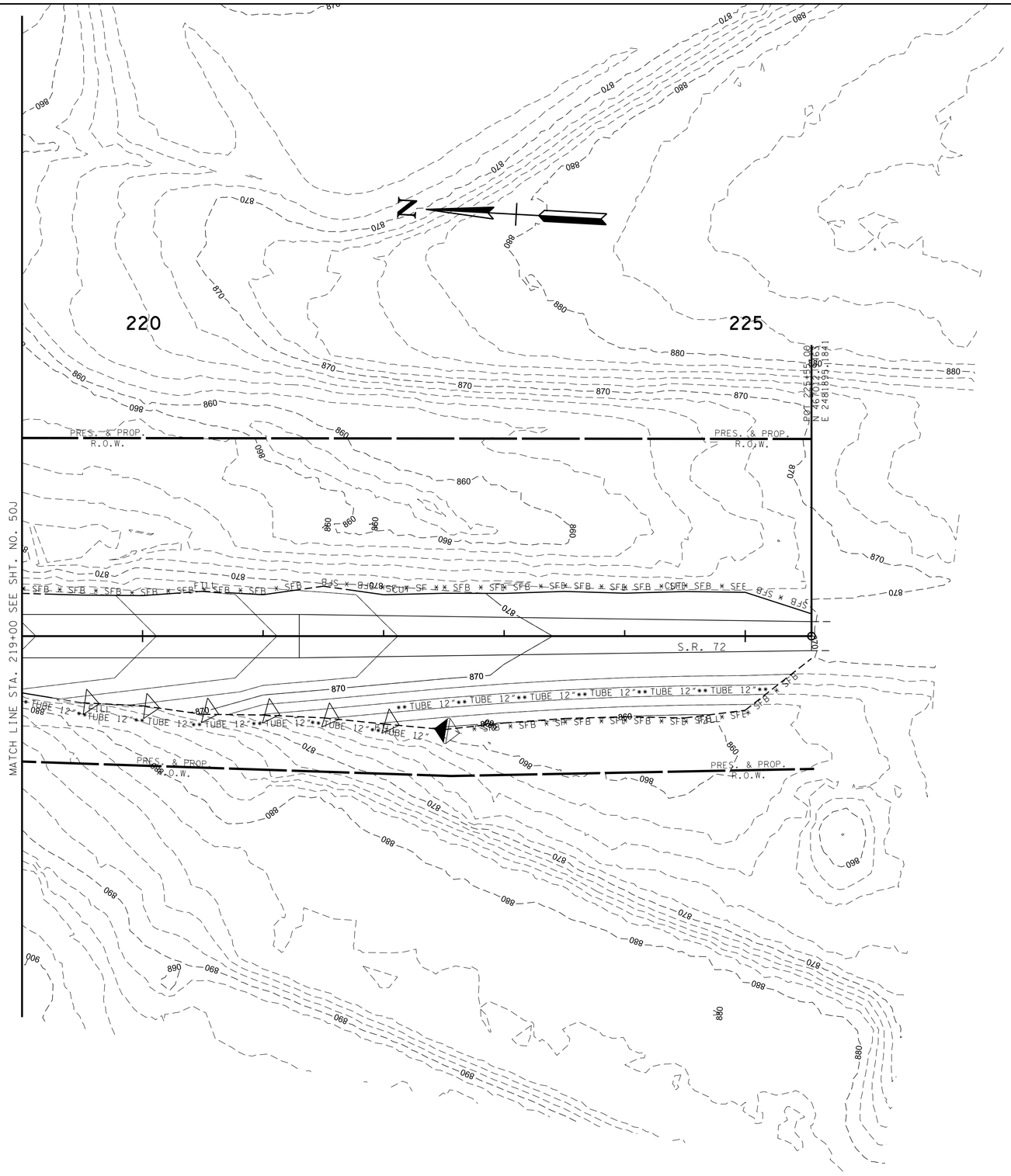
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50N
PS&E	2026	R-STP-322(15)	50N



PROPOSED CONTOURS

EXISTING CONTOURS

STAGE II

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
No. 111932
STATE OF TENNESSEE
2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.219+00 TO STA.225+55
SCALE: 1"=50'

2/24/2026 10:01:38 AM
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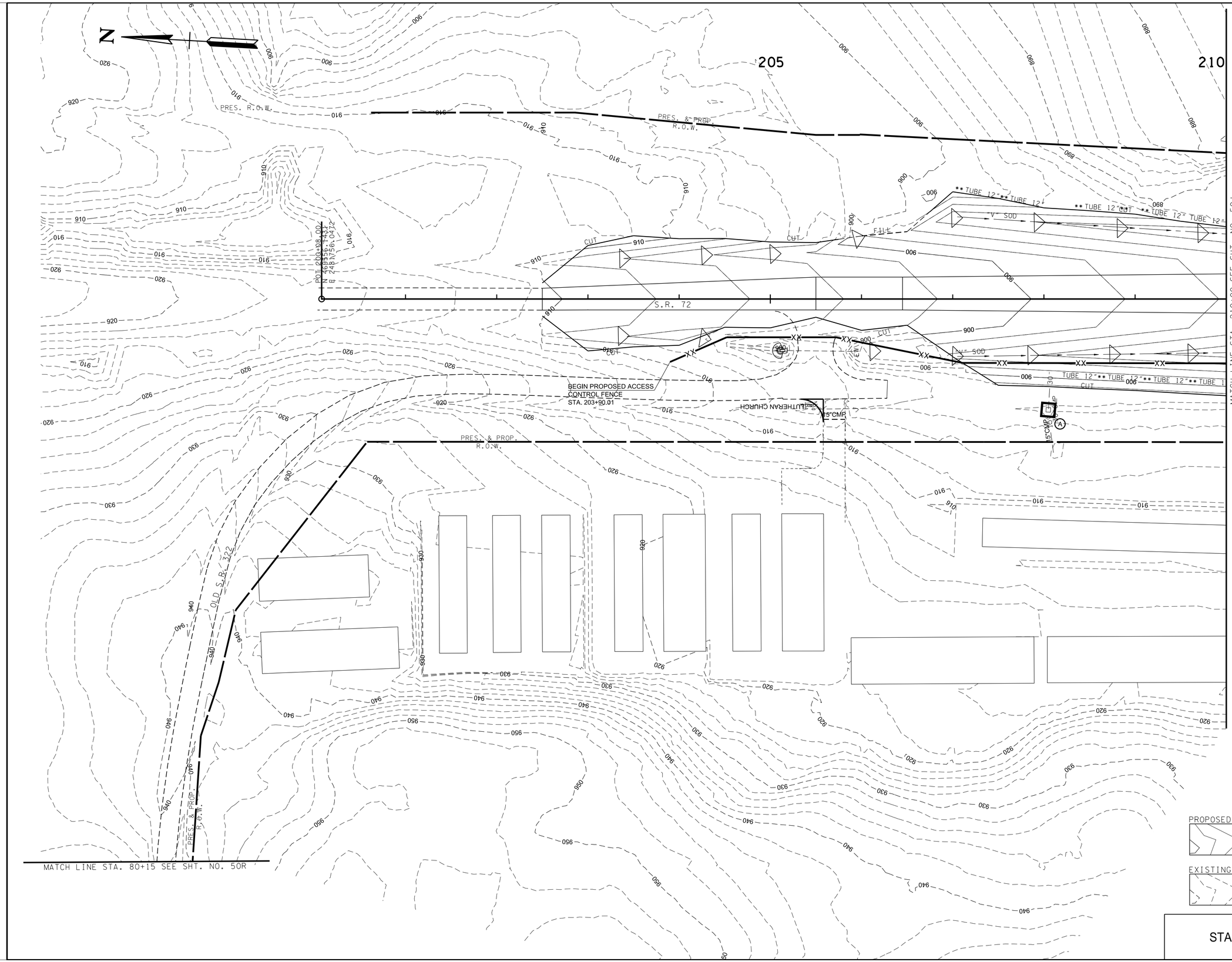
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	50P
PS&E	2026	R-STP-322(15)	50P



SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111992
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

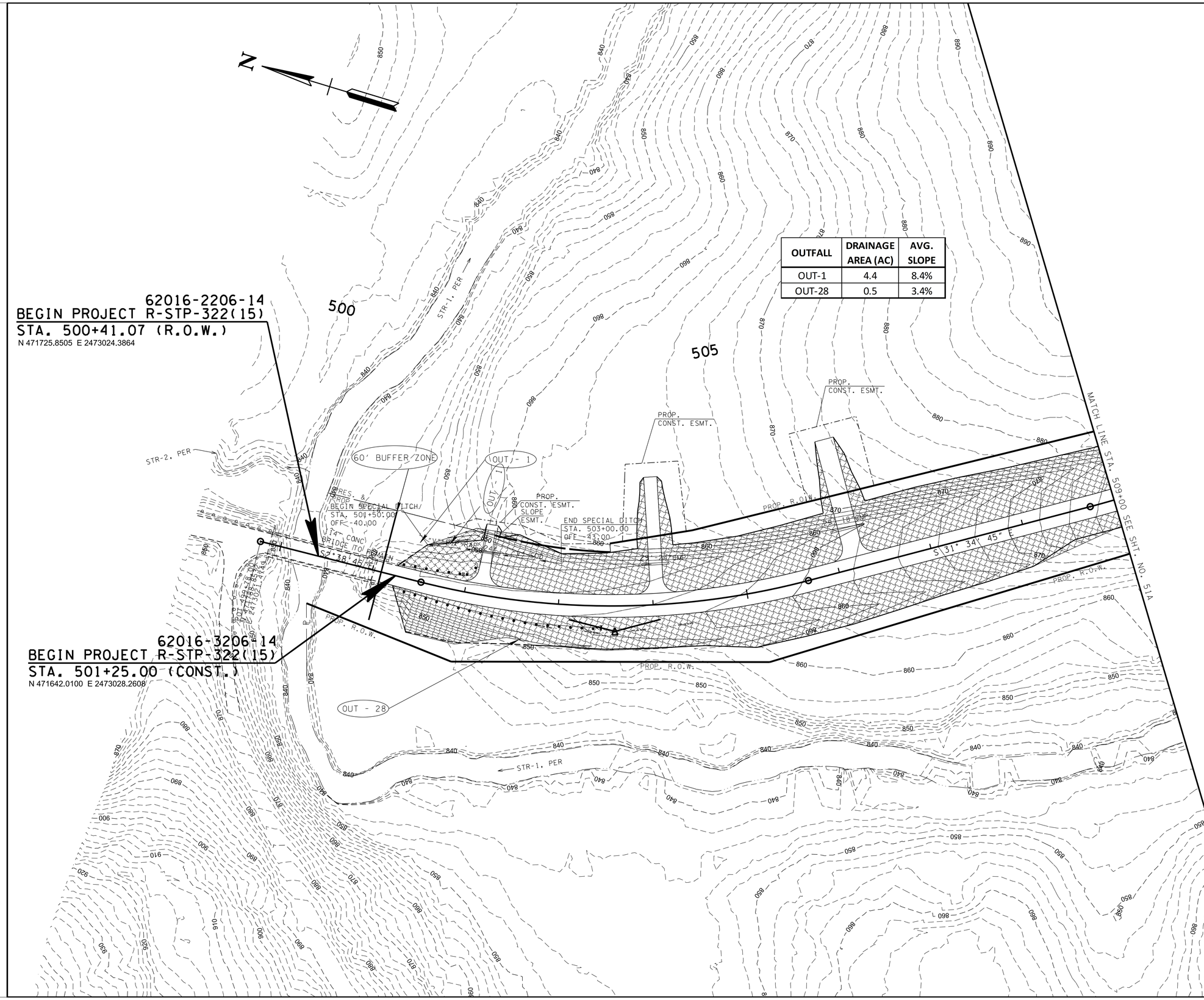
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.210+00 TO STA.202+50
SCALE: 1"=50'

STAGE II

2/24/2026 10:01:38 AM
L:\SURVDES\Design\PROJECTS\MR322-05\050P.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51
PS&E	2026	R-STP-322(15)	51



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-1	4.4	8.4%
OUT-28	0.5	3.4%

PROPOSED CONTOURS

EXISTING CONTOURS

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.501+25 TO STA.509+00
SCALE: 1"=50'

STAGE III

2/24/2026 10:01:39 AM
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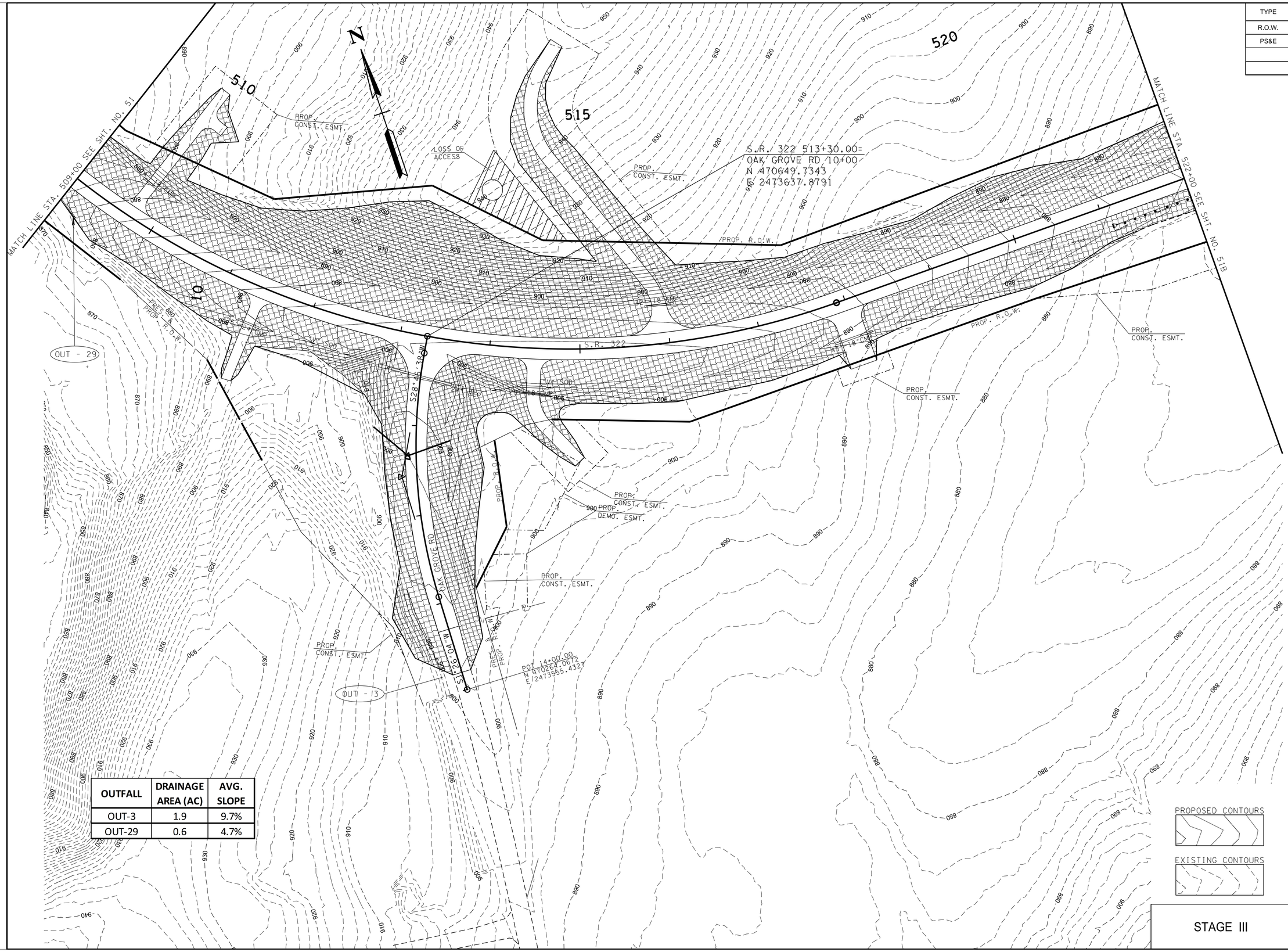
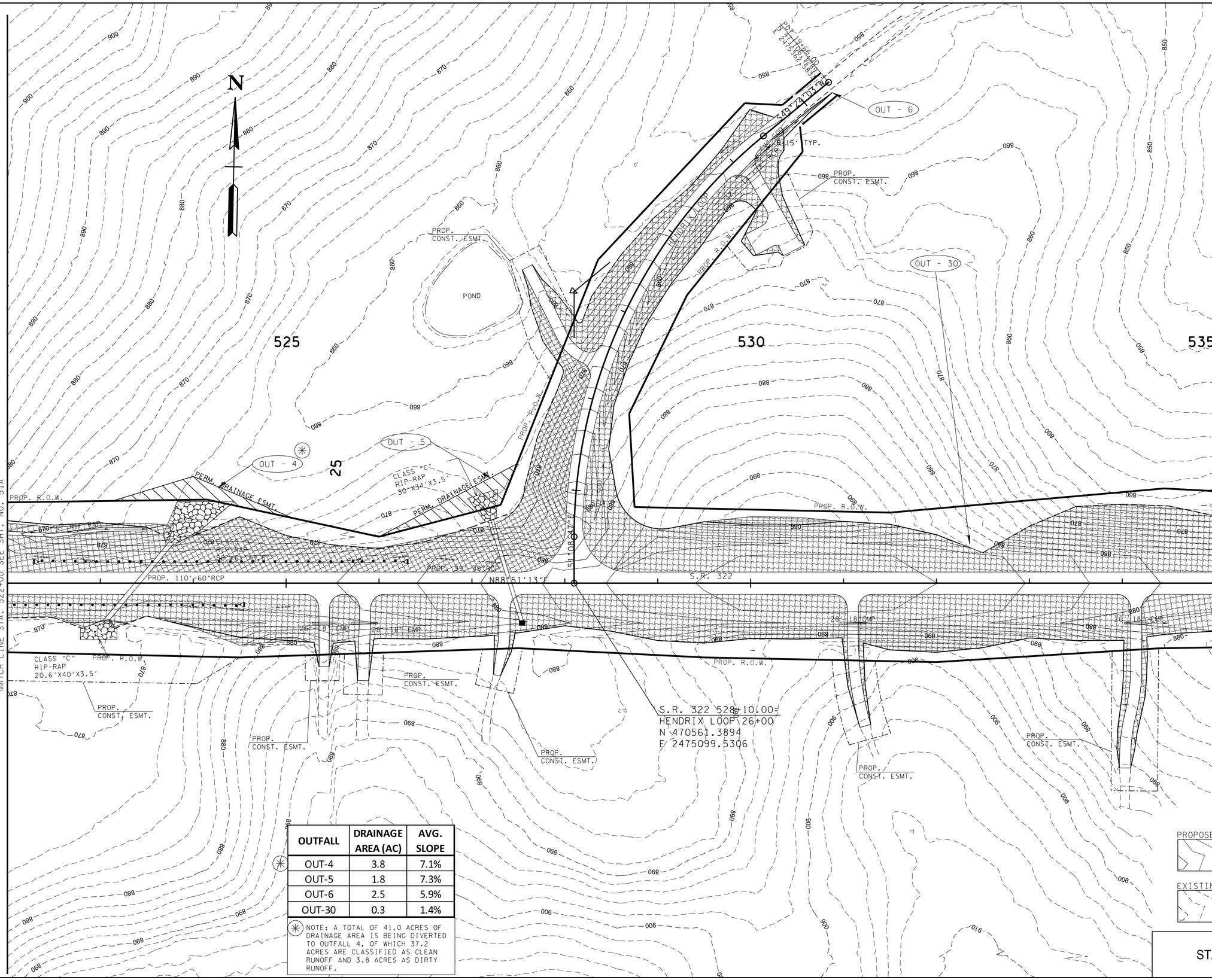
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51A
PS&E	2026	R-STP-322(15)	51A


N
510
515
520
MATCH LINE STA. 509+00 SEE SHT. NO. 51
MATCH LINE STA. 522+00 SEE SHT. NO. 51B
PROP. CONST. ESMT.
LOSS OF ACCESS
S.R. 322 513+30.00=
OAK GROVE RD 10+00
N 470649.7343
E 2473637.8791
PROP. R.O.W.
S.R. 322
PROP. CONST. ESMT.
PROP. DEMO. ESMT.
PROP. R.O.W.
PROP. CONST. ESMT.
PROP. CONST. ESMT.
PROP. CONST. ESMT.
PROP. CONST. ESMT.
PROP. R.O.W.
PROP. R.O.W.
PROP. R.O.W

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51B
PS&E	2026	R-STP-322(15)	51B



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-4	3.8	7.1%
OUT-5	1.8	7.3%
OUT-6	2.5	5.9%
OUT-30	0.3	1.4%

NOTE: A TOTAL OF 41.0 ACRES OF DRAINAGE AREA IS BEING DIVERTED TO OUTFALL 4, OF WHICH 37.2 ACRES ARE CLASSIFIED AS CLEAN RUNOFF AND 3.8 ACRES AS DIRTY RUNOFF.

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE III

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.522+00 TO STA.535+00

SCALE: 1"=50'

2/24/2026 10:01:43 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51C
PS&E	2026	R-STP-322(15)	51C

N

535

540

545

S.R. 322 546+30.00=
CANDI LANE 30+00
N 470743.8899
E 2476900.8664

PERM. DRAINAGE ESMT.

PROP. CONST. ESMT.

PROP. CONST. ESMT.

DEMO ESMT.

DEMO ESMT.

PROP. R.O.W.

PROP. R.O.W.

PROP. R.O.W.

CLASS "B" RIP-RAP 12'X14.5'X2.5'

OUTLET EL. 875.18

PROP. 25'-42" RCP

WW 2 / UDF-2

OUTLET EL. 866.55

PROP. 81'-48" RCP

EXIST. 73'-48" PIPE TO BE REMOVED

MATCH LINE STA. 535+00 SEE SHT. NO. 51B

MATCH LINE STA. 548+00 SEE SHT. NO. 51D

S.R. 322

N 75° 57' 22" E

PROP. 11'-42" RCP

INLET EL. 885.41

OUTLET EL. 883.67

PROP. 24'-42" RCP

S 75° 57' 22" W

S 15° 02' 38" E

S 75° 57' 22" W

PROP. R.O.W.

PROP. R.O.W.

PROP. R.O.W.

OUT - 31

OUT - 32

OUT - 33

OUT - 34

PROP. CONST. ESMT.

PROP. CONST. ESMT.

PROP. CONST. ESMT.

DEMO ESMT.

PROP. CONST. ESMT.

S 19° 02' 38" E (CANDI LANE)

PROP. R.O.W.

SS-20.44 LF

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-31	2.4	4.8%
OUT-32	2.7	7.9%
OUT-33	0.02	4.5%
OUT-34	7.2	5.0%

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE III

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TDRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

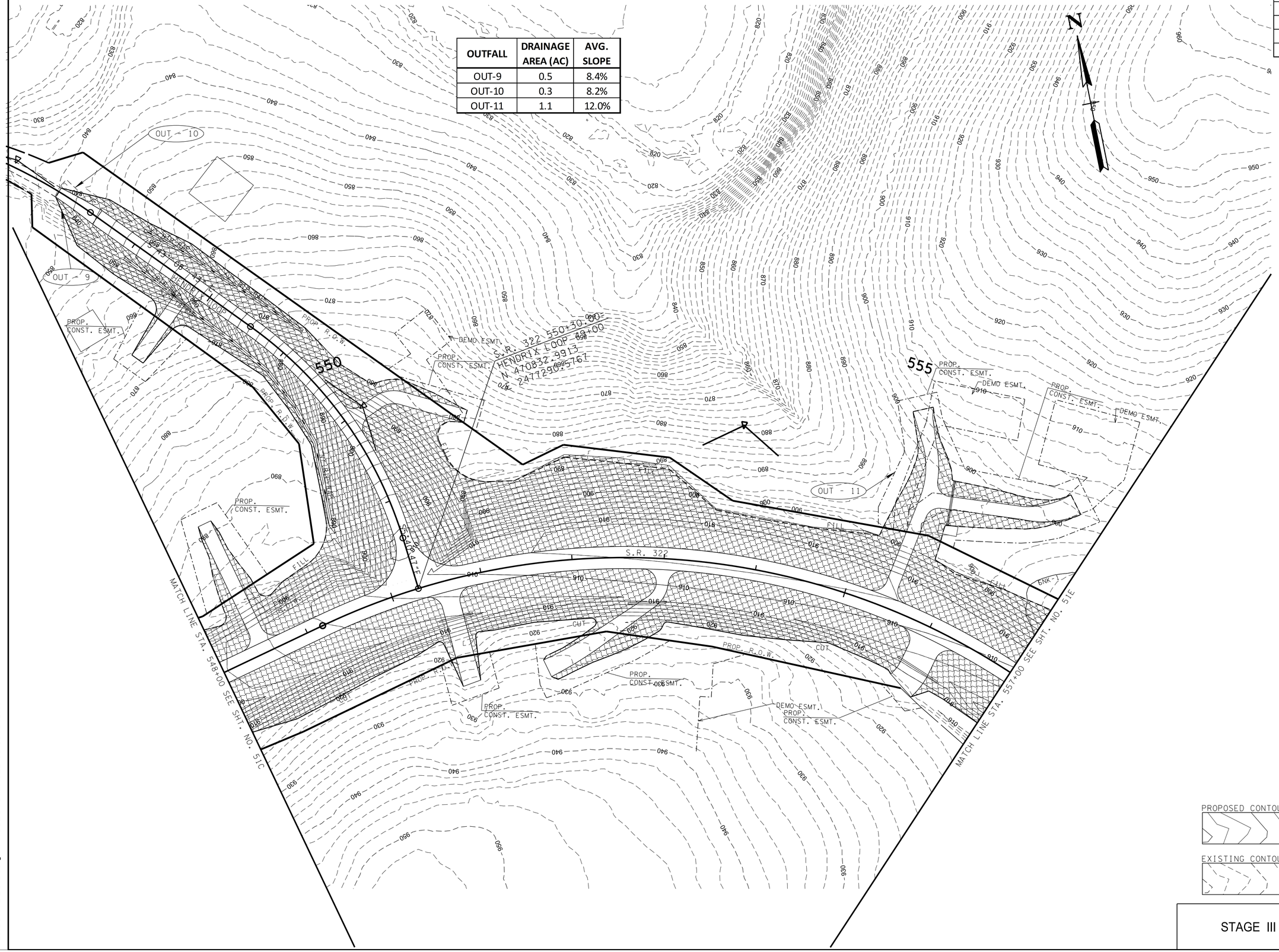
STA.535+00 TO STA.548+00

SCALE: 1"=50'

2/24/2026 10:01:45 AM
L:\SURVDES\Design\PROJECTS\MR322-05\051C.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51D
PS&E	2026	R-STP-322(15)	51D

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-9	0.5	8.4%
OUT-10	0.3	8.2%
OUT-11	1.1	12.0%



PROPOSED CONTOURS

EXISTING CONTOURS

STAGE III

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
STATE OF TENNESSEE
2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.548+00 TO STA.557+00

SCALE: 1"=50'

2/24/2026 10:01:47 AM
L:\SURVDES\Design\PROJECTS\MR322-05\051D.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51E
PS&E	2026	R-STP-322(15)	51E

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-12	0.7	1.0%
OUT-35	1.0	3.7%



PROPOSED CONTOURS

EXISTING CONTOURS

STAGE III

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.557+00 TO STA.567+00
SCALE: 1"=50'

2/24/2026 10:01:50 AM
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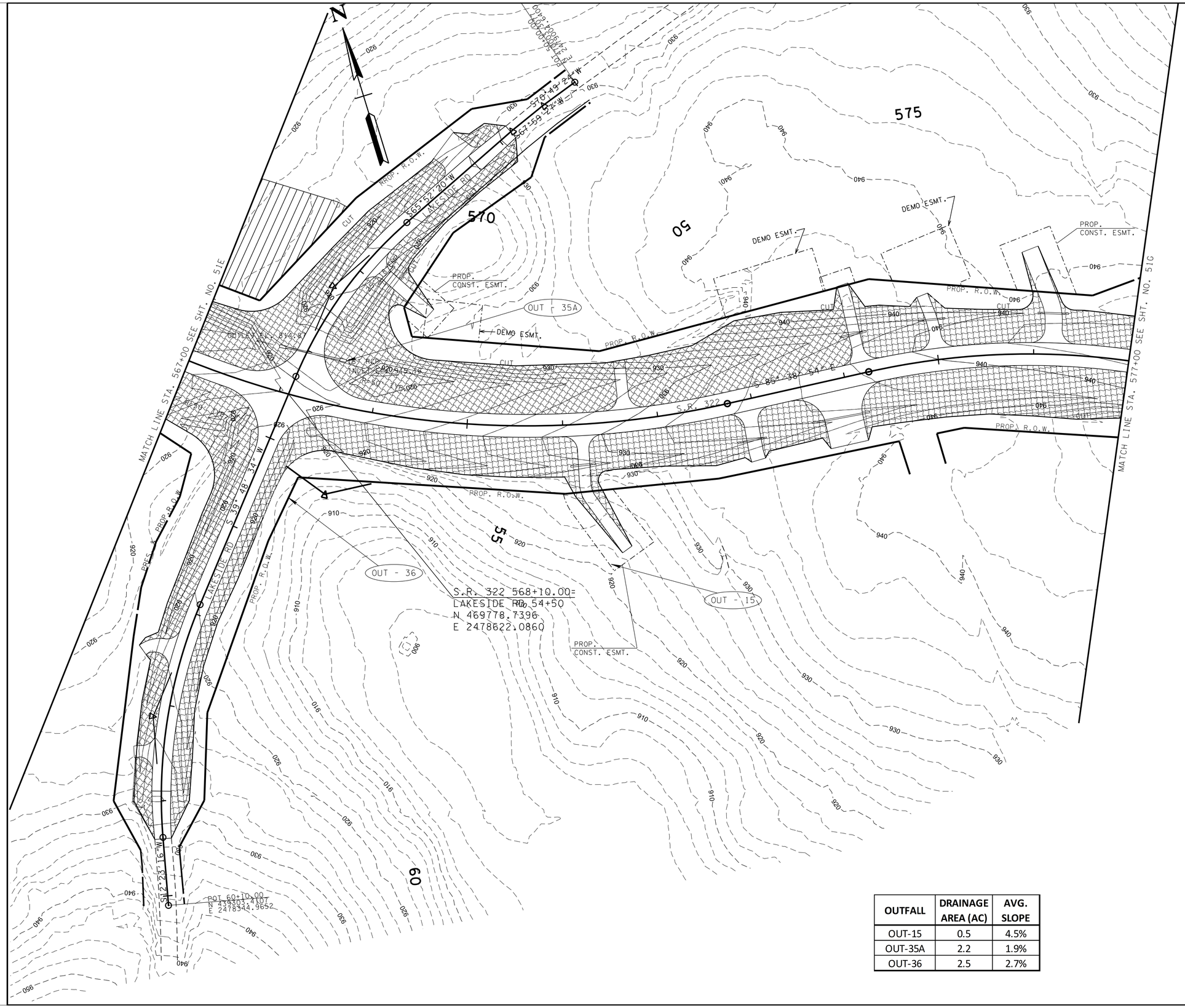
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51F
PS&E	2026	R-STP-322(15)	51F



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-15	0.5	4.5%
OUT-35A	2.2	1.9%
OUT-36	2.5	2.7%

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE III

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

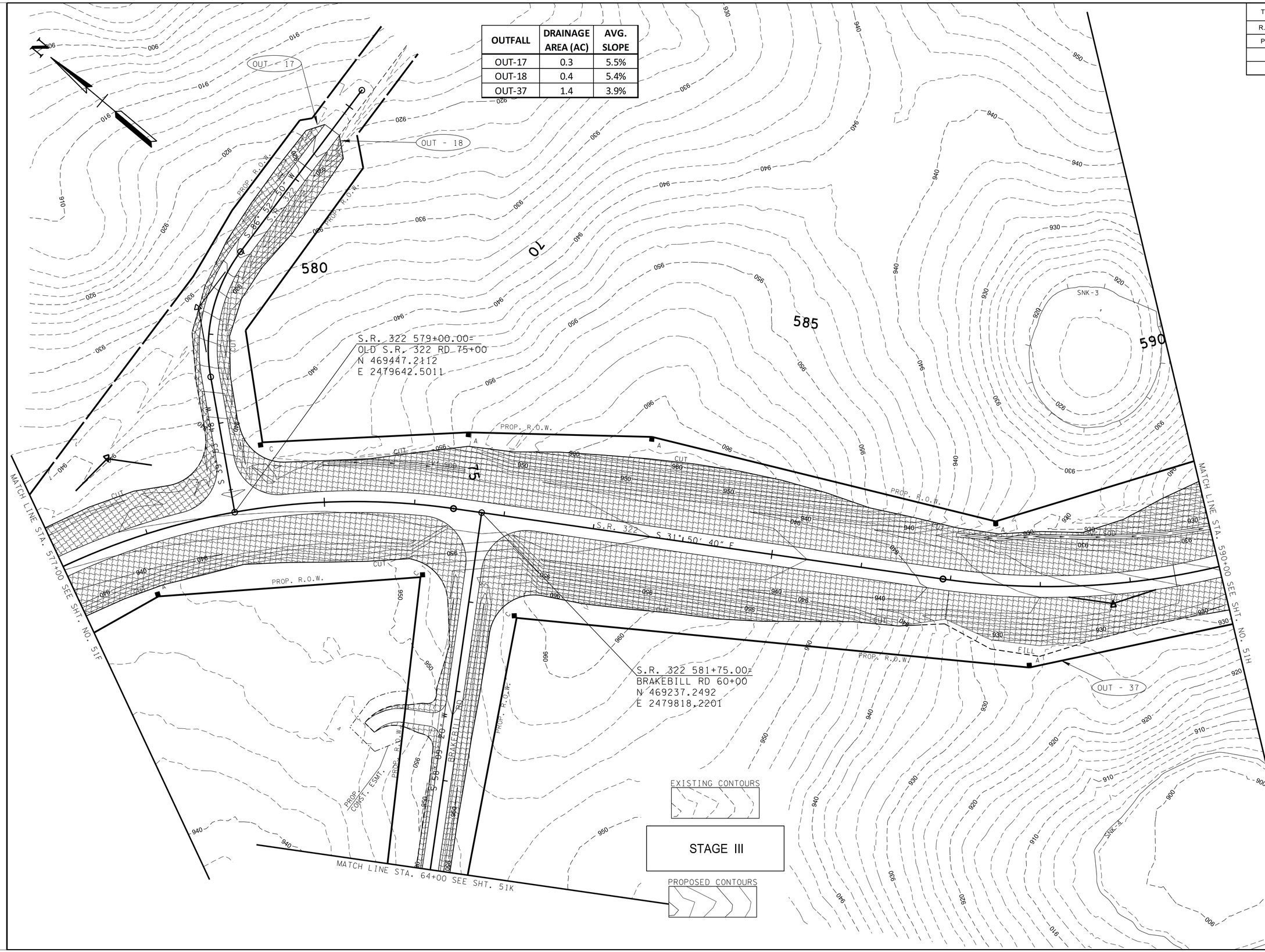
STA.567+00 TO STA.577+00

SCALE: 1"=50'

2/24/2026 10:01:52 AM
L:\SURVDES\Design\PROJECTS\MR322-05\051F.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51G
PS&E	2026	R-STP-322(15)	51G

OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-17	0.3	5.5%
OUT-18	0.4	5.4%
OUT-37	1.4	3.9%



STAGE III

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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

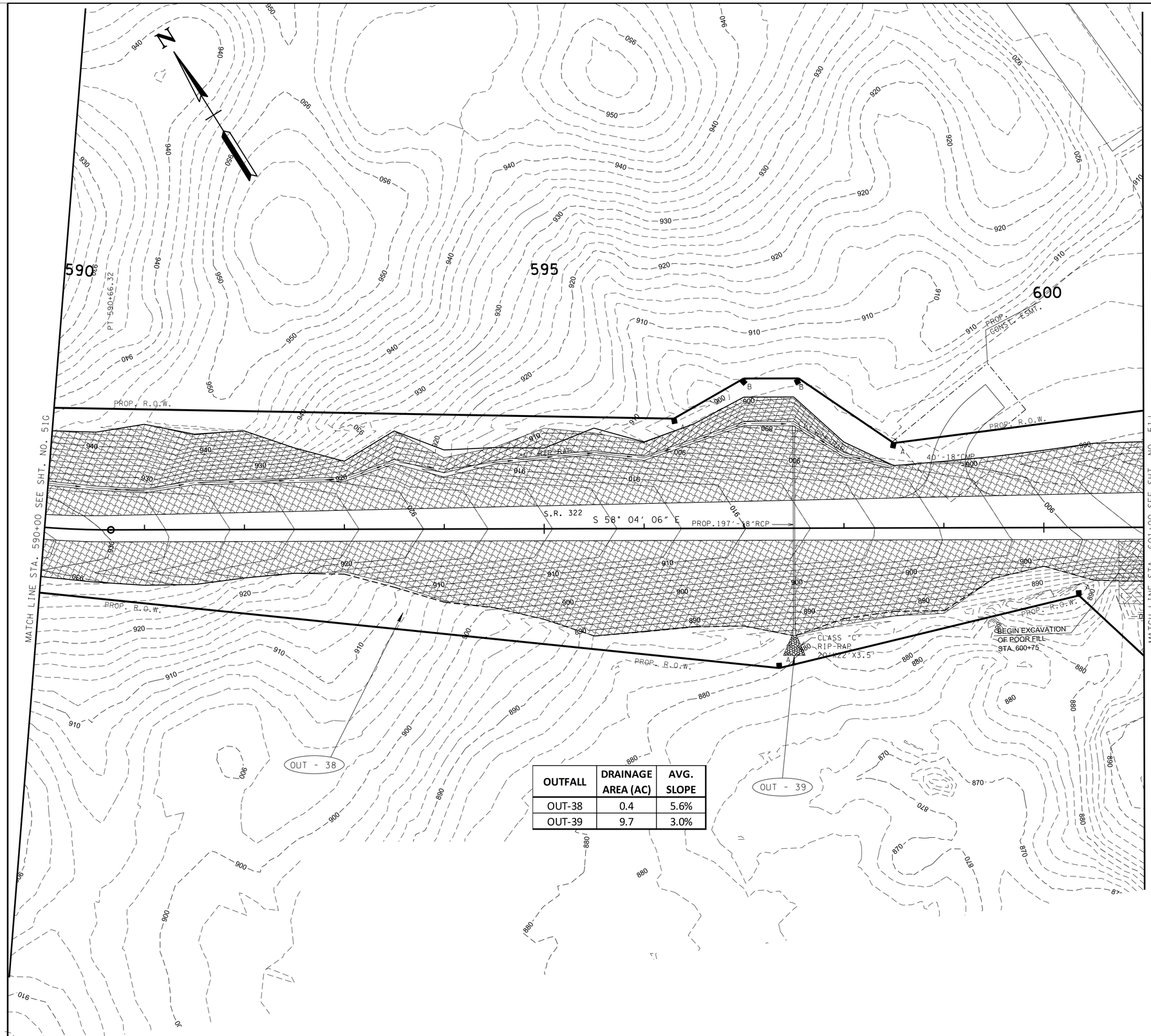
COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.577+00 TO STA.590+00
SCALE: 1"=50'

2/24/2026 10:01:54 AM
L:\SURVDES\Design\PROJECTS\MR322-05\051G.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51H
PS&E	2026	R-STP-322(15)	51H



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-38	0.4	5.6%
OUT-39	9.7	3.0%

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REGISTERED ENGINEER
No. 111922
STATE OF TENNESSEE
2/24/26

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PROPOSED CONTOURS

EXISTING CONTOURS

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.590+00 TO STA.601+00
SCALE: 1"=50'

STAGE III

2/24/2026 10:01:57 AM
L:\SURVDES\Design\PROJECTS\MR322-05\051H.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51J
PS&E	2026	R-STP-322(15)	51J



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-40	3.2	2.2%

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AGRICULTURE
COMMERCE
No. 111993
STATE OF TENNESSEE

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PROPOSED CONTOURS

EXISTING CONTOURS

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

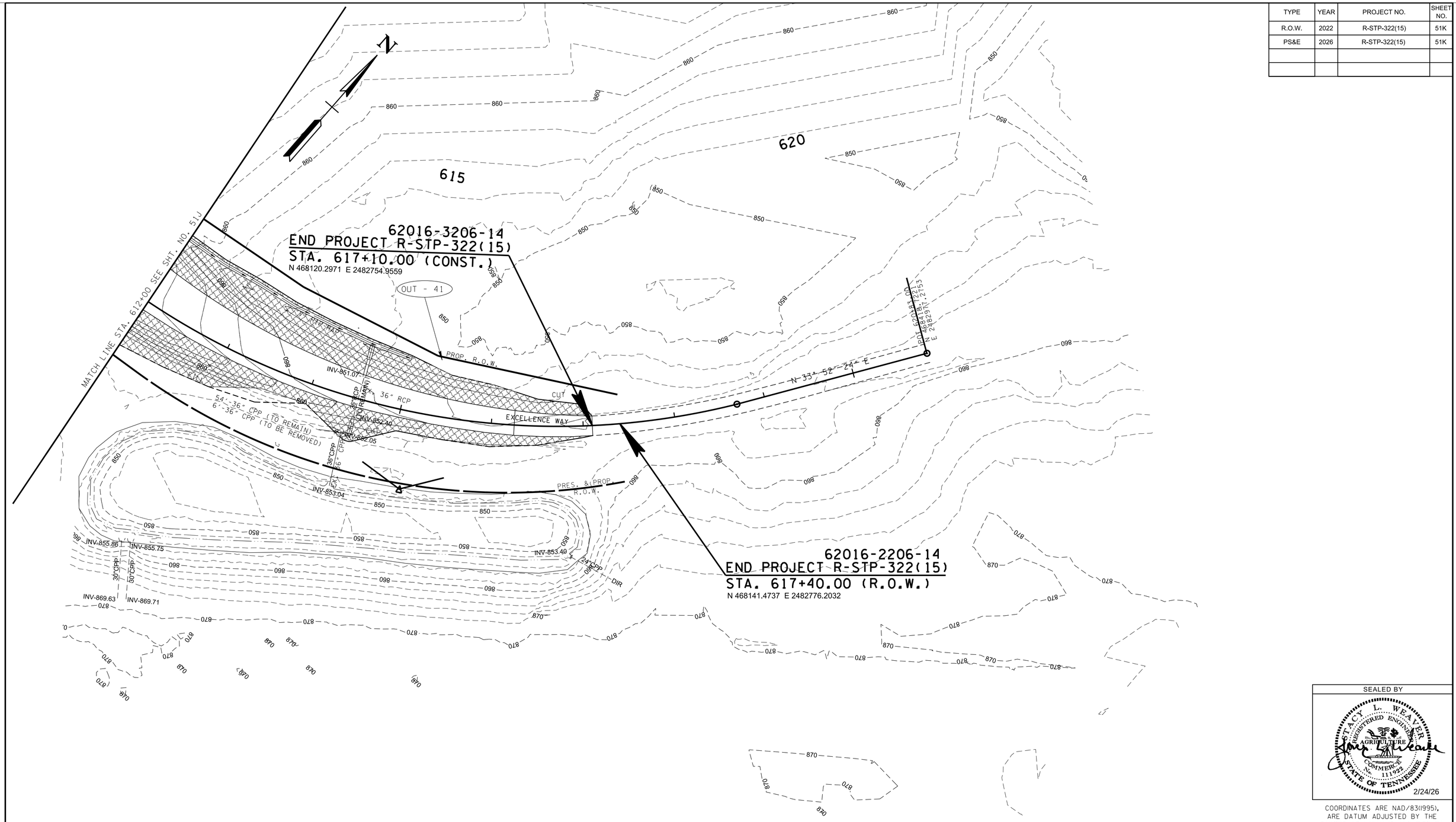
STA.601+00 TO STA.612+00

SCALE: 1"=50'

STAGE III

2/24/2026 10:01:59 AM
L:\SURVDES\Design\PROJECTS\MR322-05\051J.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51K
PS&E	2026	R-STP-322(15)	51K



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-41	5.0	5.1%

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE III

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
STATE OF TENNESSEE
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
No. 111932
2/24/26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

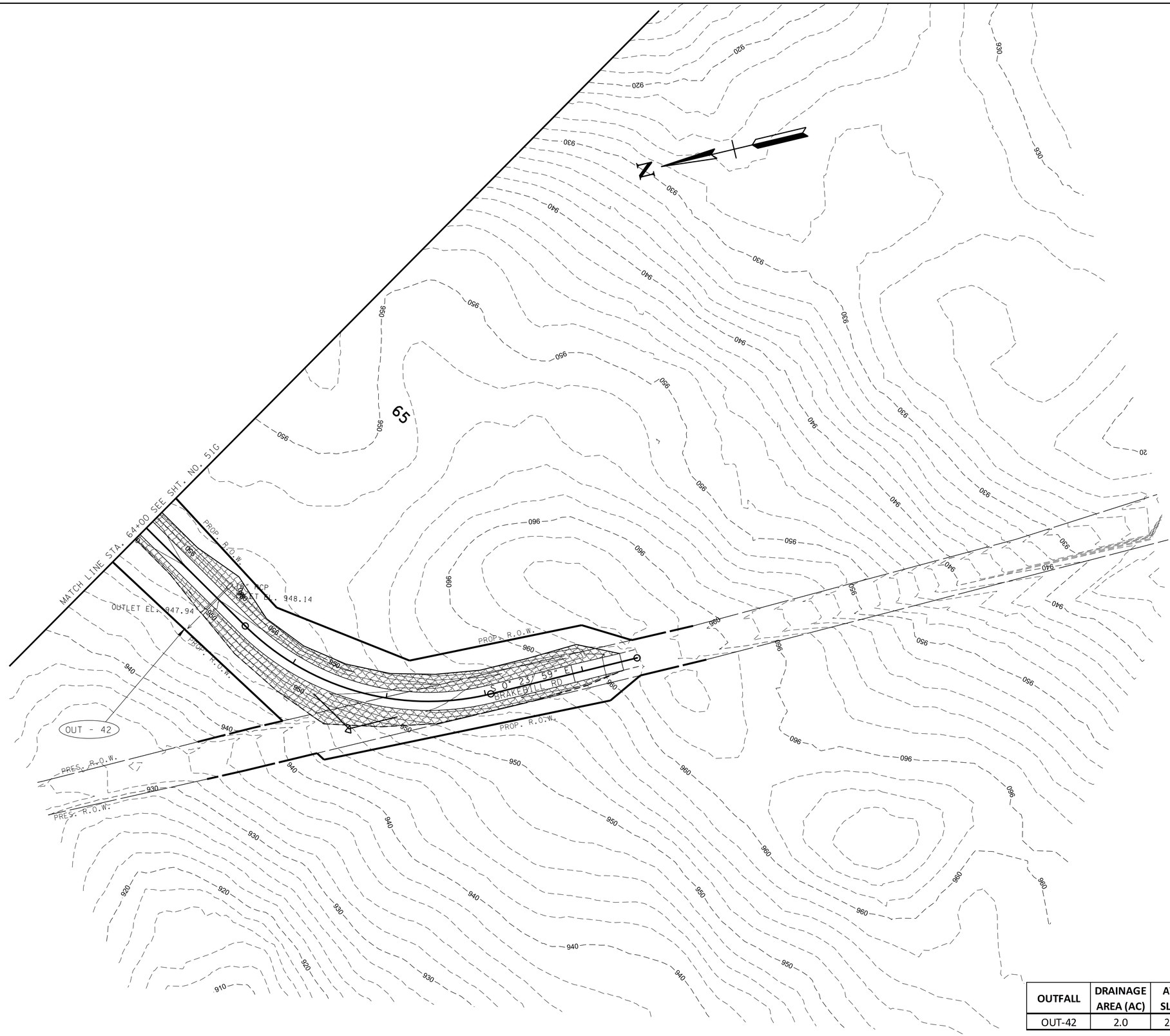
EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.612+00 TO STA.617+10

SCALE: 1"=50'

2/24/2026 10:02:01 AM
L:\SURVDES\Design\PROJECTS\MR322-05\051K.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51L
PS&E	2026	R-STP-322(15)	51L



OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-42	2.0	2.3%

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE III

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STACY L. WEAVER
REGISTERED ENGINEER
No. 111992
STATE OF TENNESSEE
Tennessee Department of Agriculture
Commerce

2/24/26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.64+00 TO STA.69+40

SCALE: 1"=50'

2/24/2026 10:02:02 AM
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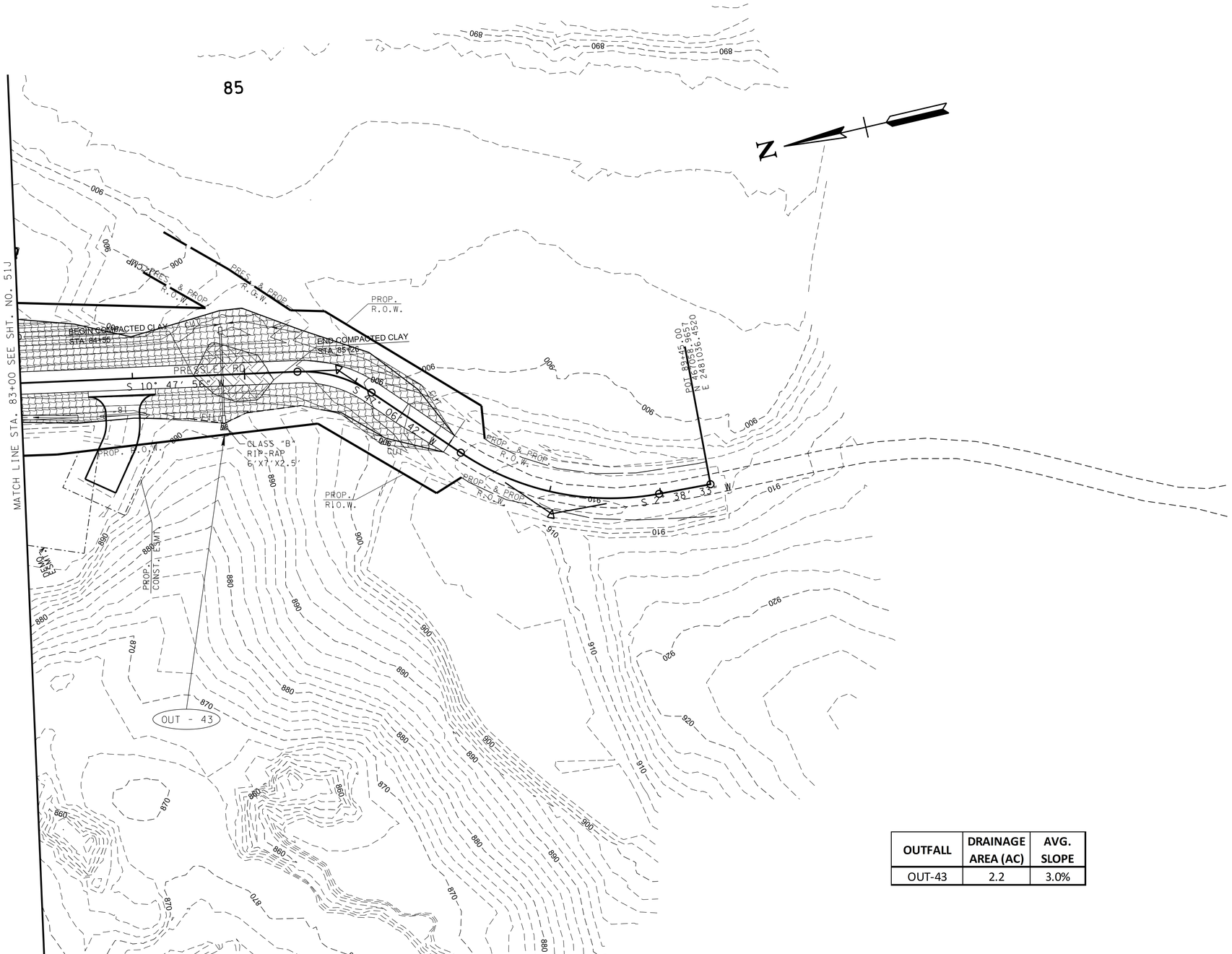
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51M
PS&E	2026	R-STP-322(15)	51M



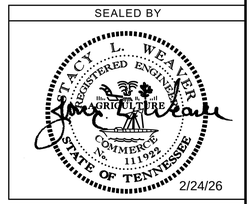
OUTFALL	DRAINAGE AREA (AC)	AVG. SLOPE
OUT-43	2.2	3.0%

PROPOSED CONTOURS

EXISTING CONTOURS

STAGE III

SEALED BY



2/24/26

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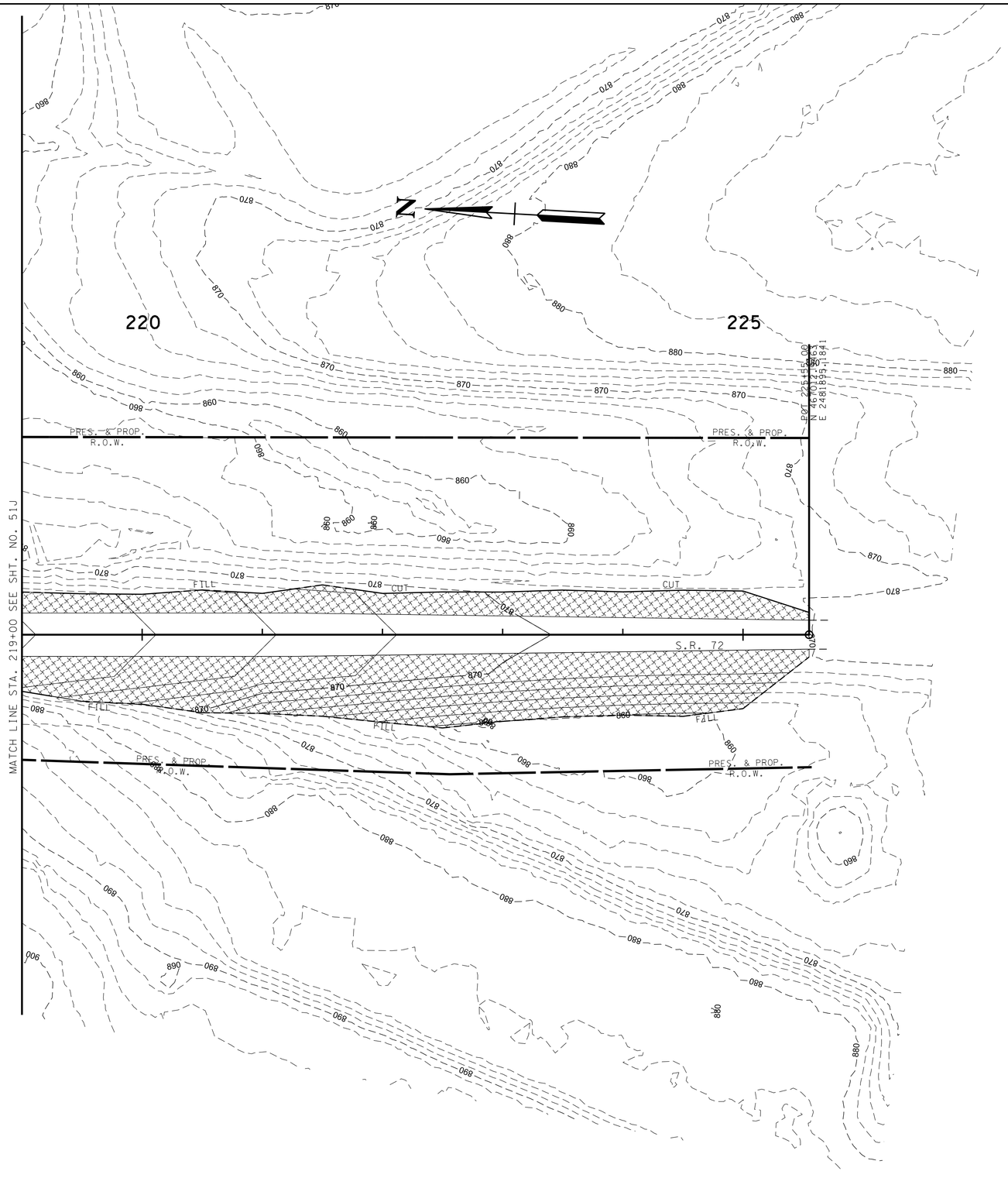
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.83+00 TO STA.87+00
SCALE: 1"=50'

2/24/2026 10:02:04 AM
L:\SURVDES\Design\PROJECTS\MR322-05\051M.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	51N
PS&E	2026	R-STP-322(15)	51N



PROPOSED CONTOURS

EXISTING CONTOURS

STAGE III

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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS

STA.219+00 TO STA.225+55

SCALE: 1"=50'

2/24/2026 10:02:05 AM
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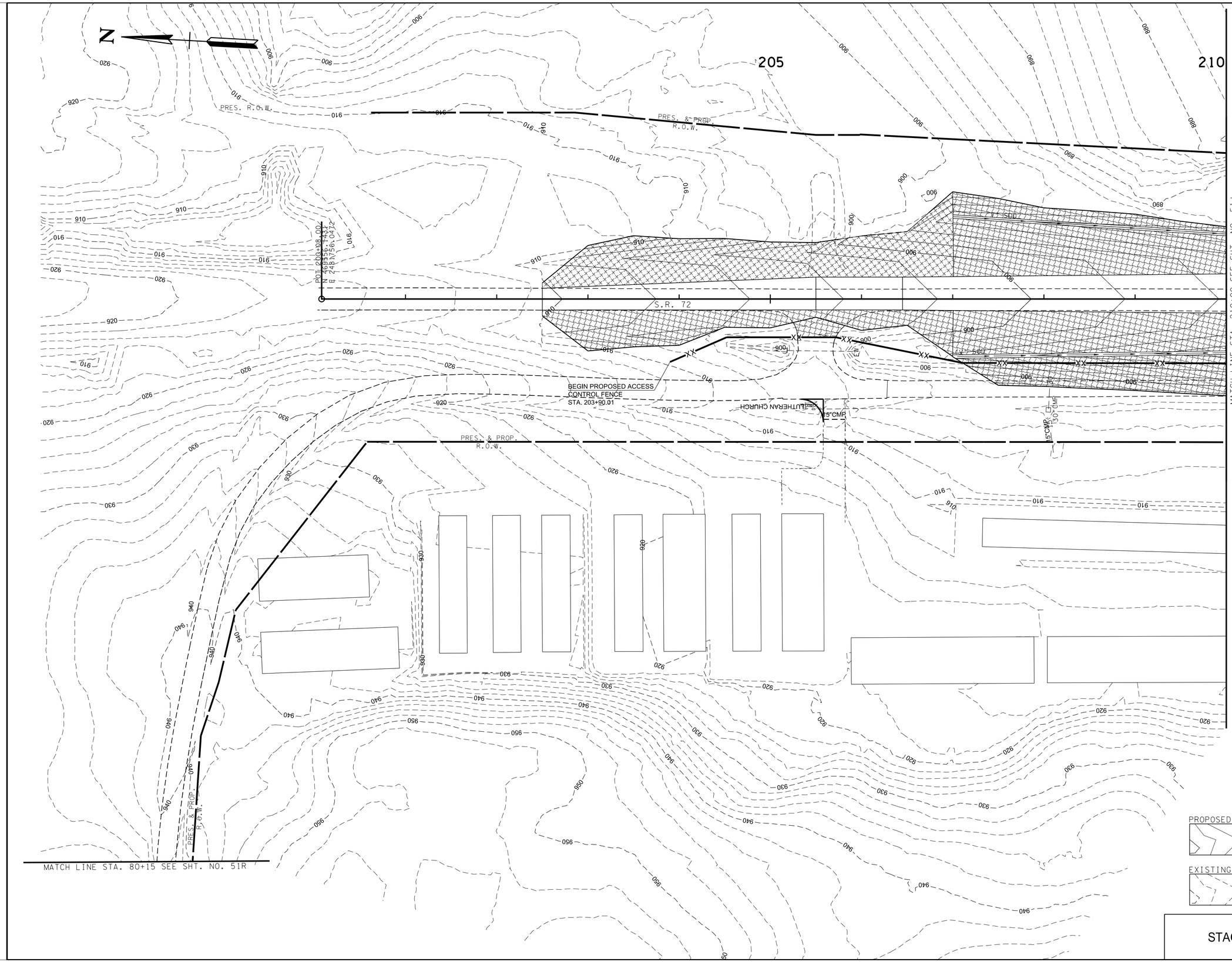
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.OW.	2022	R-STP-322(15)	51P
PS&E	2026	R-STP-322(15)	51P



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REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111922
STATE OF TENNESSEE

2/24/26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL (EPSC) PLANS
STA.210+00 TO STA.202+50
SCALE: 1"=50'

STAGE III

2/24/2026 10:02:06 AM
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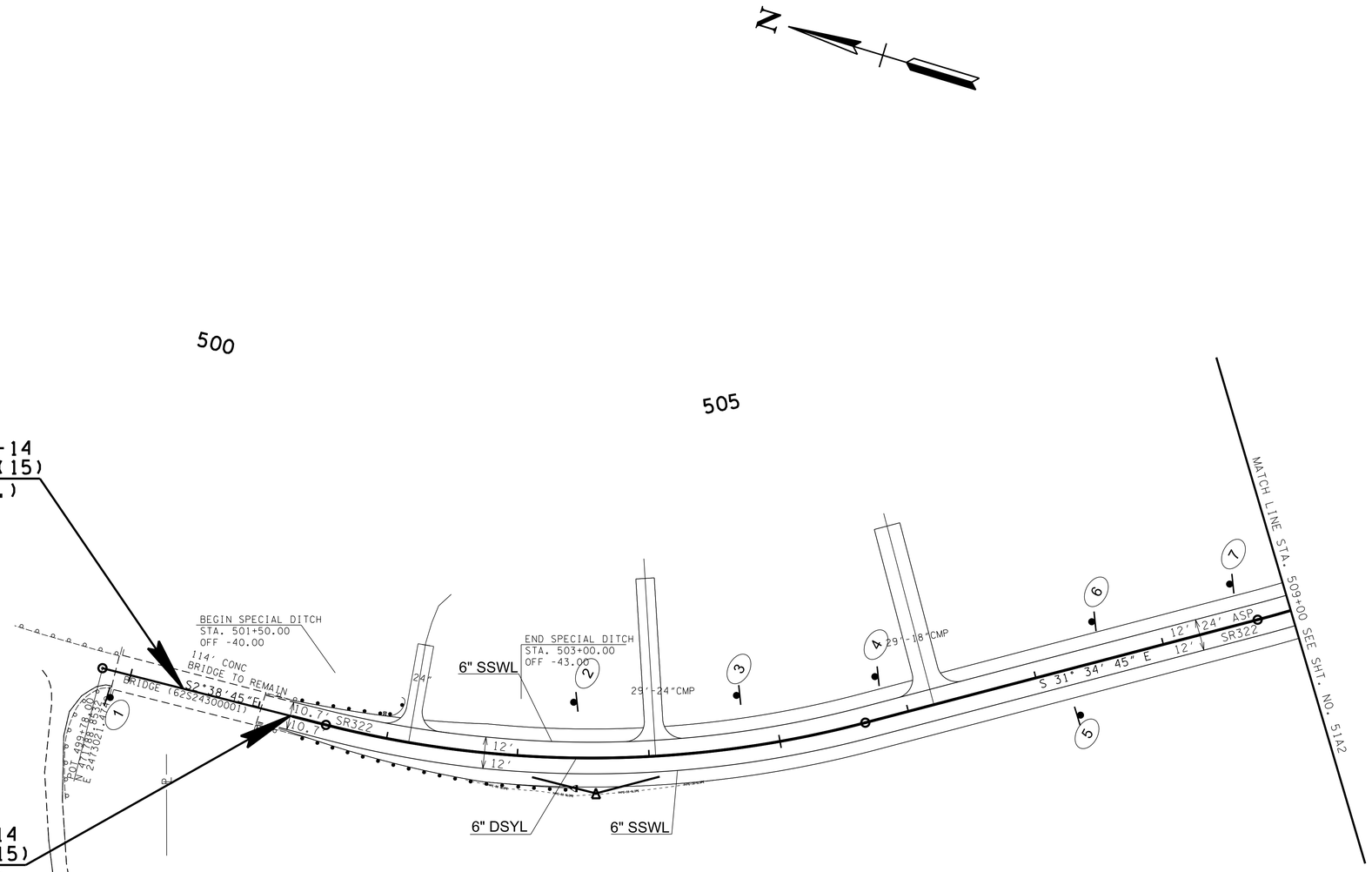
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A1



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BRYAN BARTHA
REGISTERED ENGINEER
No. 119211
STATE OF TENNESSEE
COMMERCE & AGRICULTURE

2/24/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

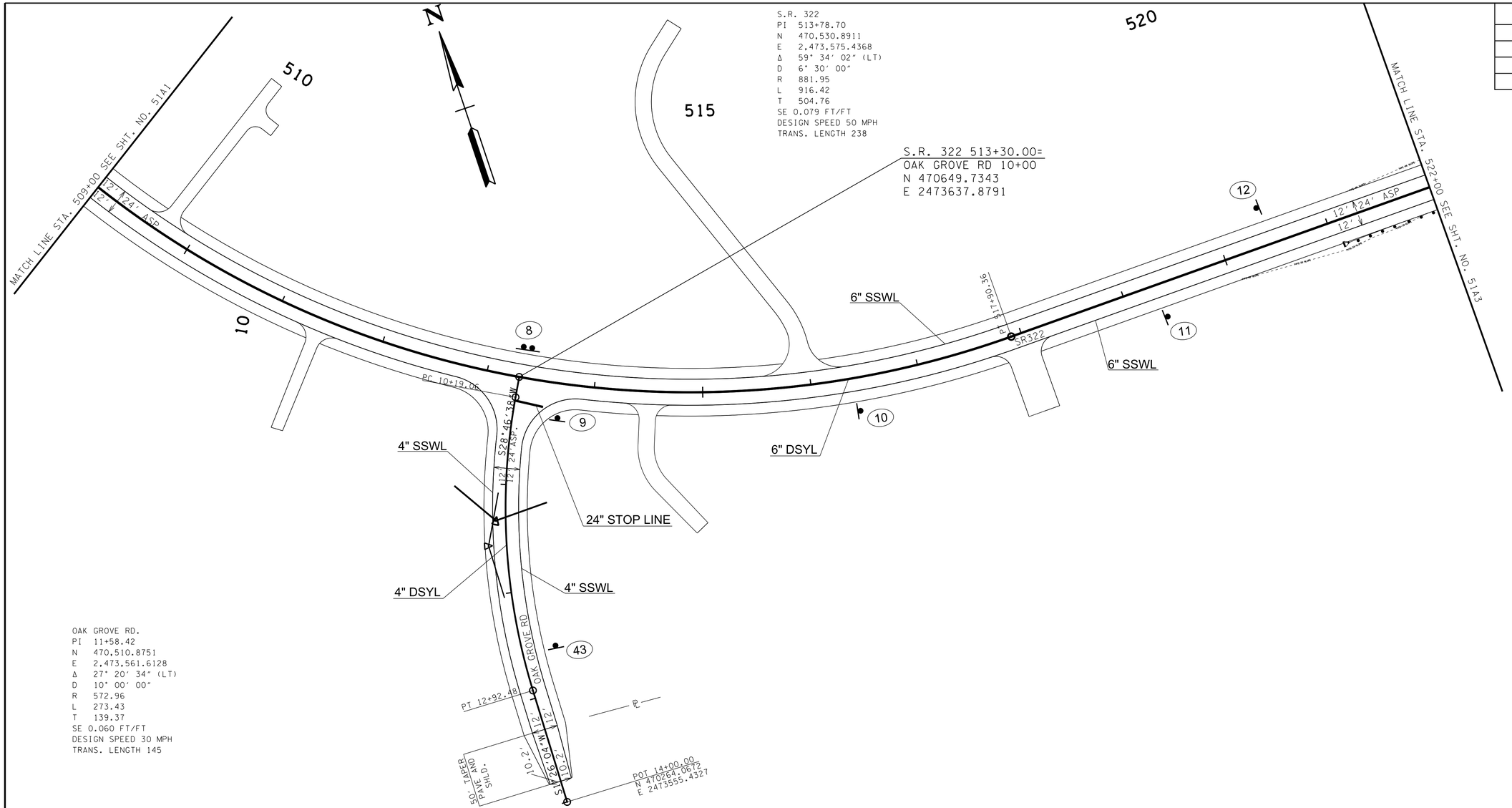
SIGNING AND PAVEMENT MARKING PLAN

STA. 500+41.07 TO STA. 509+00.00

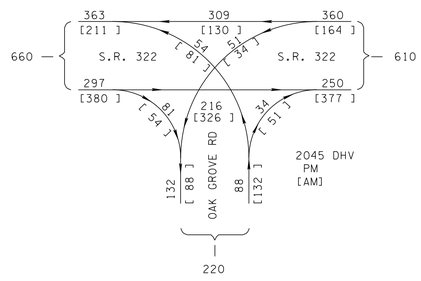
SCALE: 1"= 50'

2/24/2026 10:28:06 AM
J:\Design\PROJECTS\MR322-05\051S-0051A1.SHT

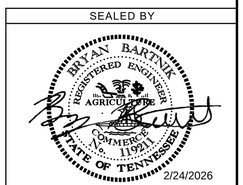
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A2



OAK GROVE RD.
PI 11+58.42
N 470,510.8751
E 2,473,561.6128
Δ 27° 20' 34" (LT)
D 10° 00' 00"
R 572.96
L 273.43
T 139.37
SE 0.060 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 145



SEALED BY



2/24/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

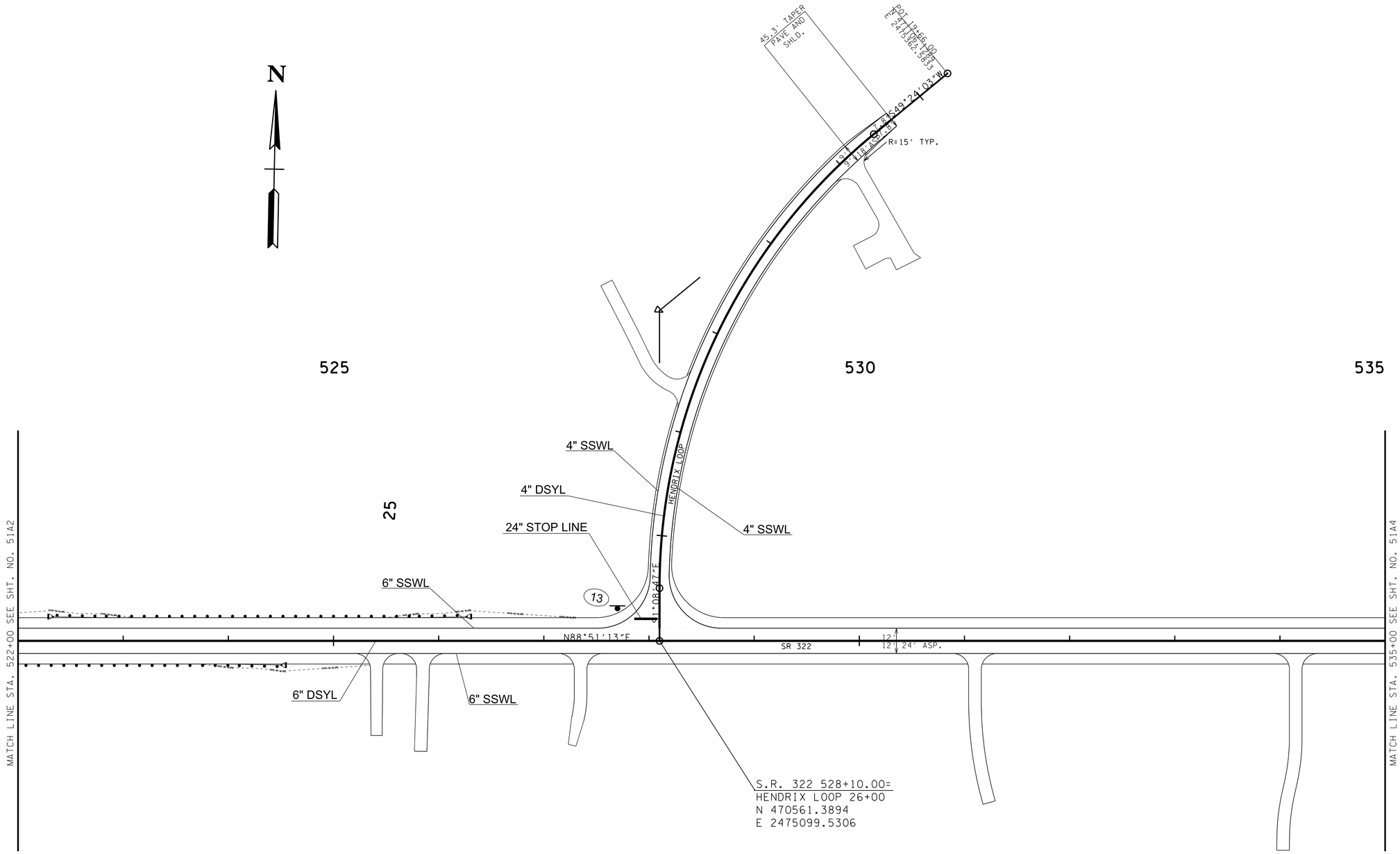
SIGNING AND PAVEMENT MARKING PLAN

STA. 509+00 TO STA. 522+00

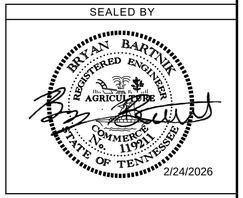
SCALE: 1"= 50'

2/24/2026 10:28:06 AM
J:\Design\PROJECTS\MR322-05\051S-0051A2.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A3



SEALED BY



2/24/2026

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 522+00 TO STA. 535+00

SCALE: 1"= 50'

2/24/2026 10:28:07 AM
J:\Design\PROJECTS\MR322-05\051S-0051A3.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A4

N

535

540

545

45

MATCH LINE STA. 535+00 SEE SHT. NO. 51A3

SR-322

WWC-1/UDF-1

14

6" SSWL

6" SSWL

6" DSYL

12'
12'
24' ASP.

N 75° 57' 22" E

16

WWC-2/UDF-2

S.R. 322 546+30.00=
CANDI LANE 30+00
N 470743.8899
E 2476900.8664

SR-322

MATCH LINE STA. 548+00 SEE SHT. NO. 51A5

CANDI LANE

N 14° 02' 38" E

18

24" STOP LINE

4" SSWL

4" DSYL

4" SSWL

50' TAPER
PAVE AND SHLD.

10'

10'

10'

S 39° 02' 25" W

S6°20'44"E

35

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BRYAN BARTNIK
REGISTERED ENGINEER
AGRICULTURE
COMMISSION NO. 119211
STATE OF TENNESSEE

2/24/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

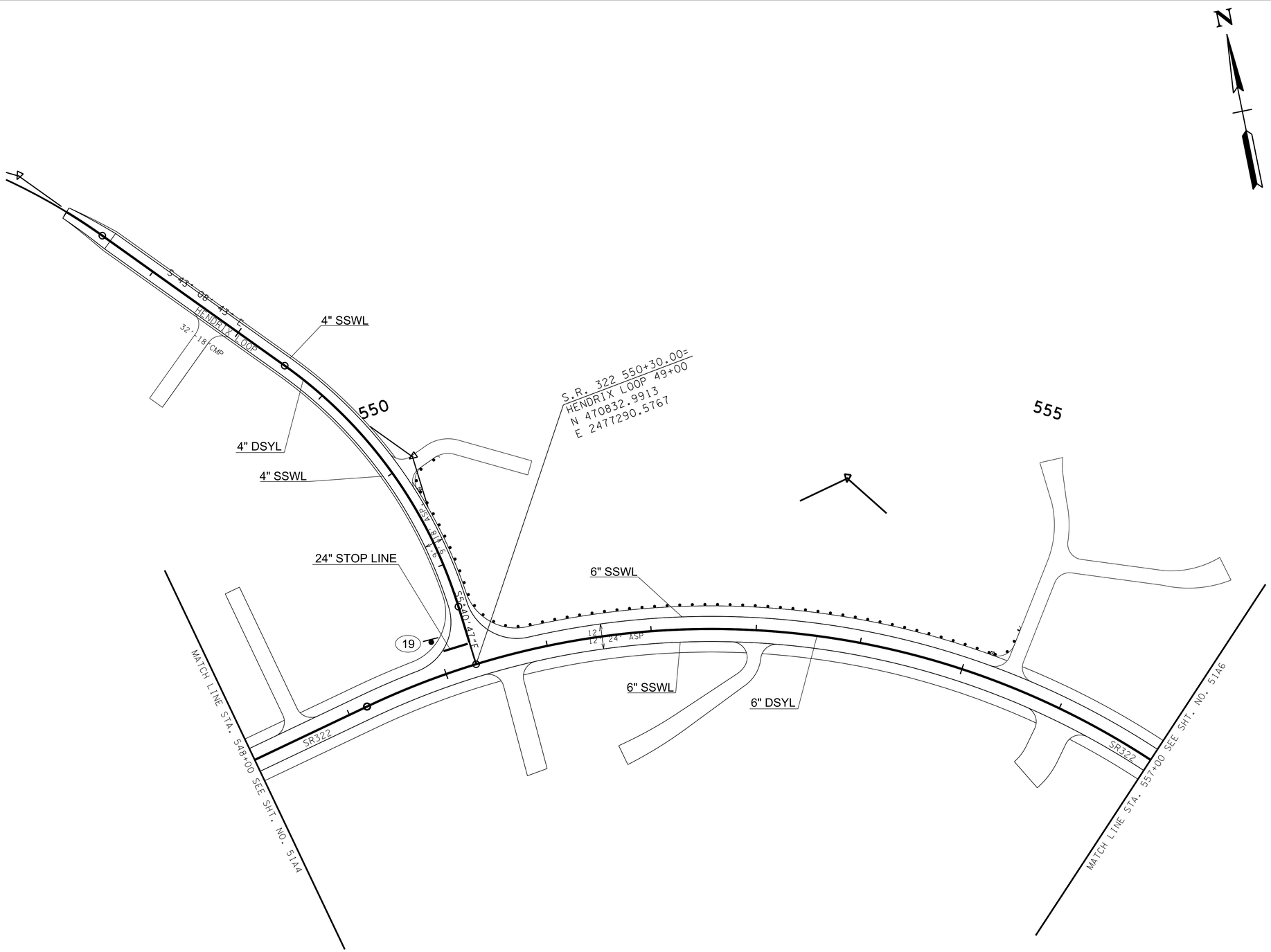
SIGNING AND PAVEMENT MARKING PLAN

STA. 535+00 TO STA. 548+00

SCALE: 1"= 50'

2/24/2026 10:28:08 AM
J:\Design\PROJECTS\MR322-051051S-0051A4.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A5



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BRYAN BARTLEY
REGISTERED ENGINEER
DEPT. OF AGRICULTURE
COMMERCE
No. 119211
STATE OF TENNESSEE

2/24/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

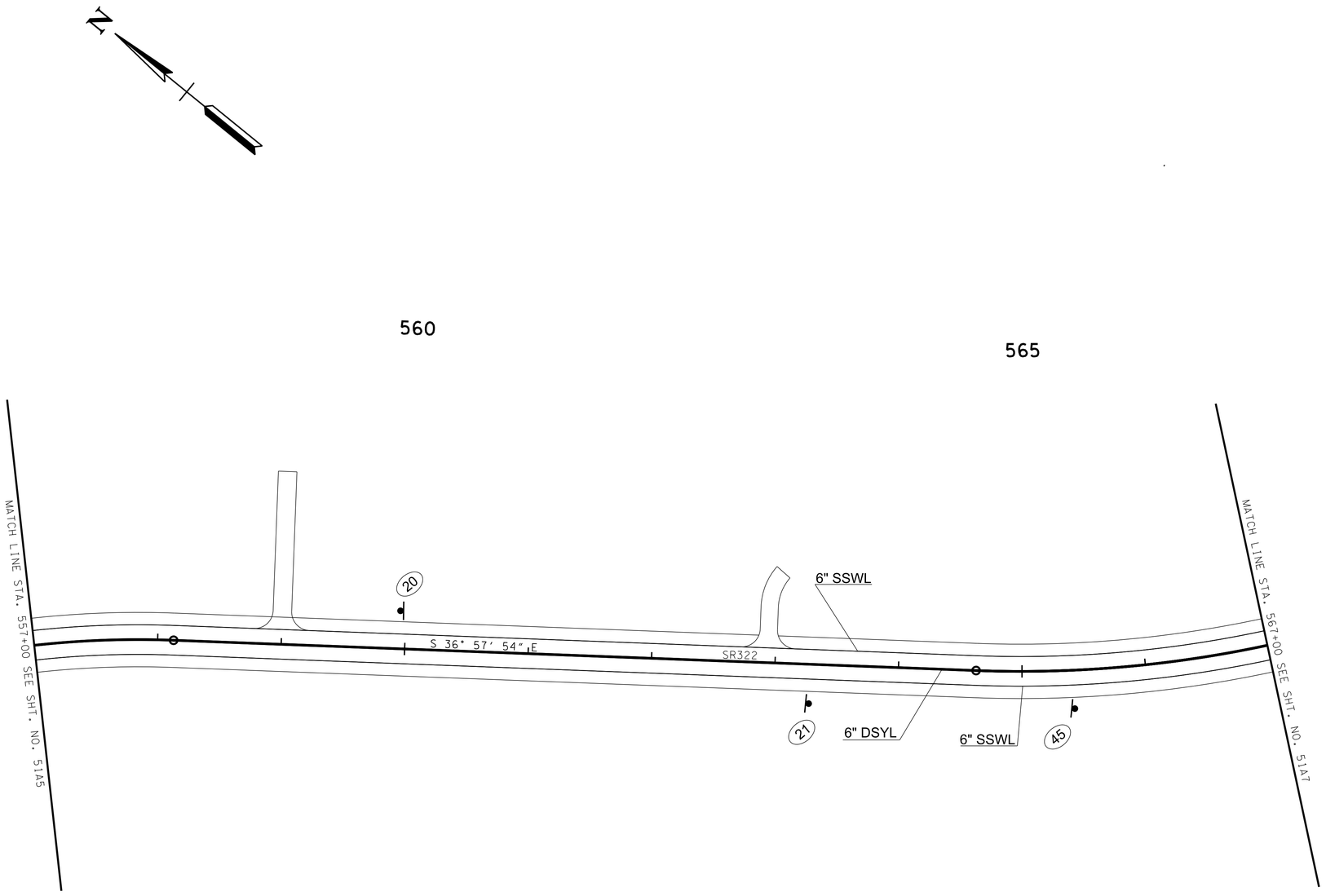
STA. 548+00 TO STA. 557+00

SCALE: 1"= 50'

2/24/2026 10:28:08 AM
J:\Design\PROJECTS\MR322-05\051S-0051A5.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A6

REV. 12-10-24: TRACT 37: ADDED DRIVEWAY.



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BRYAN BARTNIK
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
11991
STATE OF TENNESSEE
2/24/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

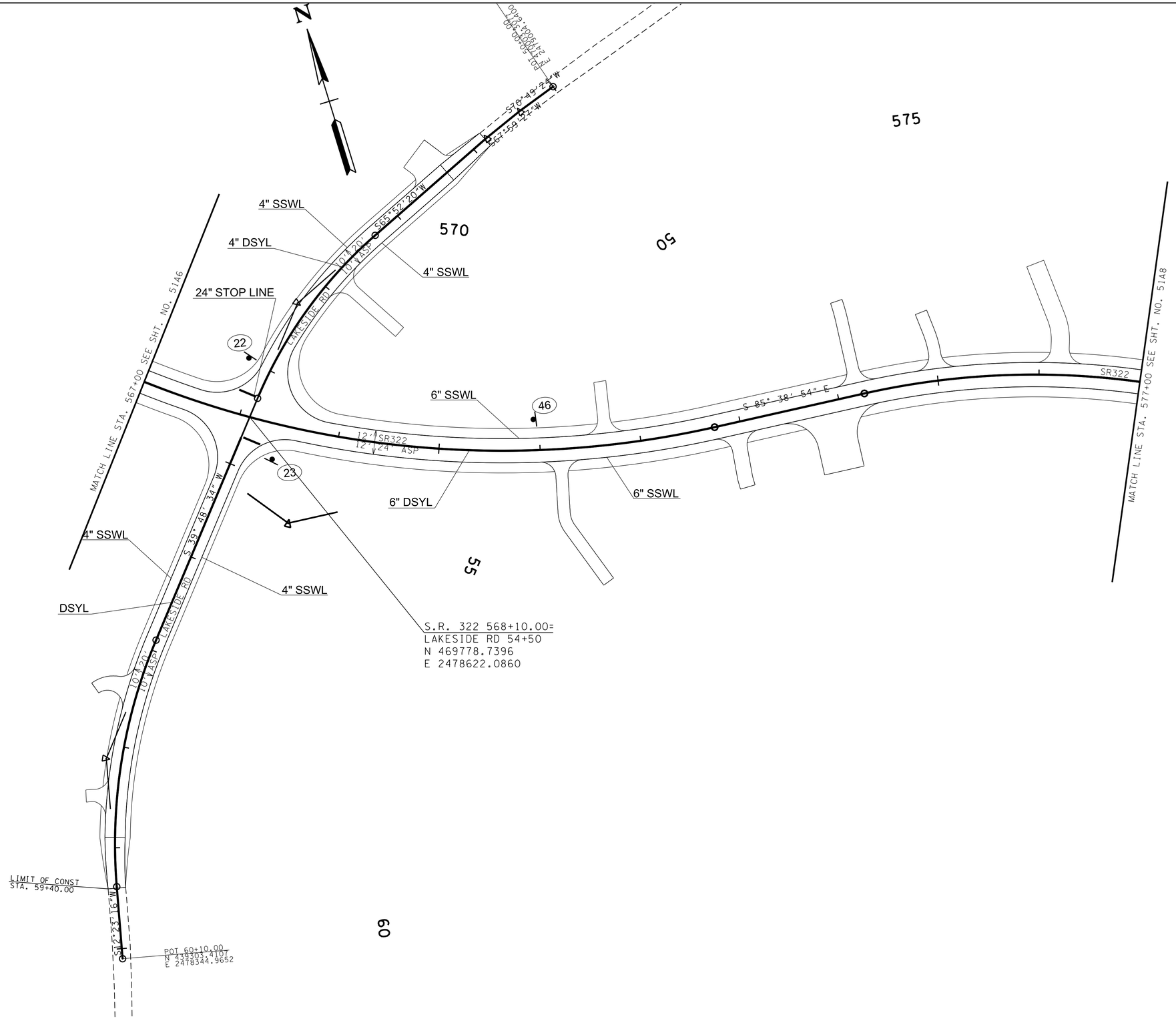
SIGNING AND PAVEMENT MARKING PLAN

STA. 557+00 TO STA. 567+00

SCALE: 1"= 50'

2/24/2026 10:28:09 AM
J:\Design\PROJECTS\MR322-05\051S-0051A6.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A7



2/24/2026 10:28:09 AM
J:\Design\PROJECTS\MR322-05\051S-0051A7.SHT

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No. AGRICULTURE
COMMERCE
No. 119211
STATE OF TENNESSEE

2/24/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

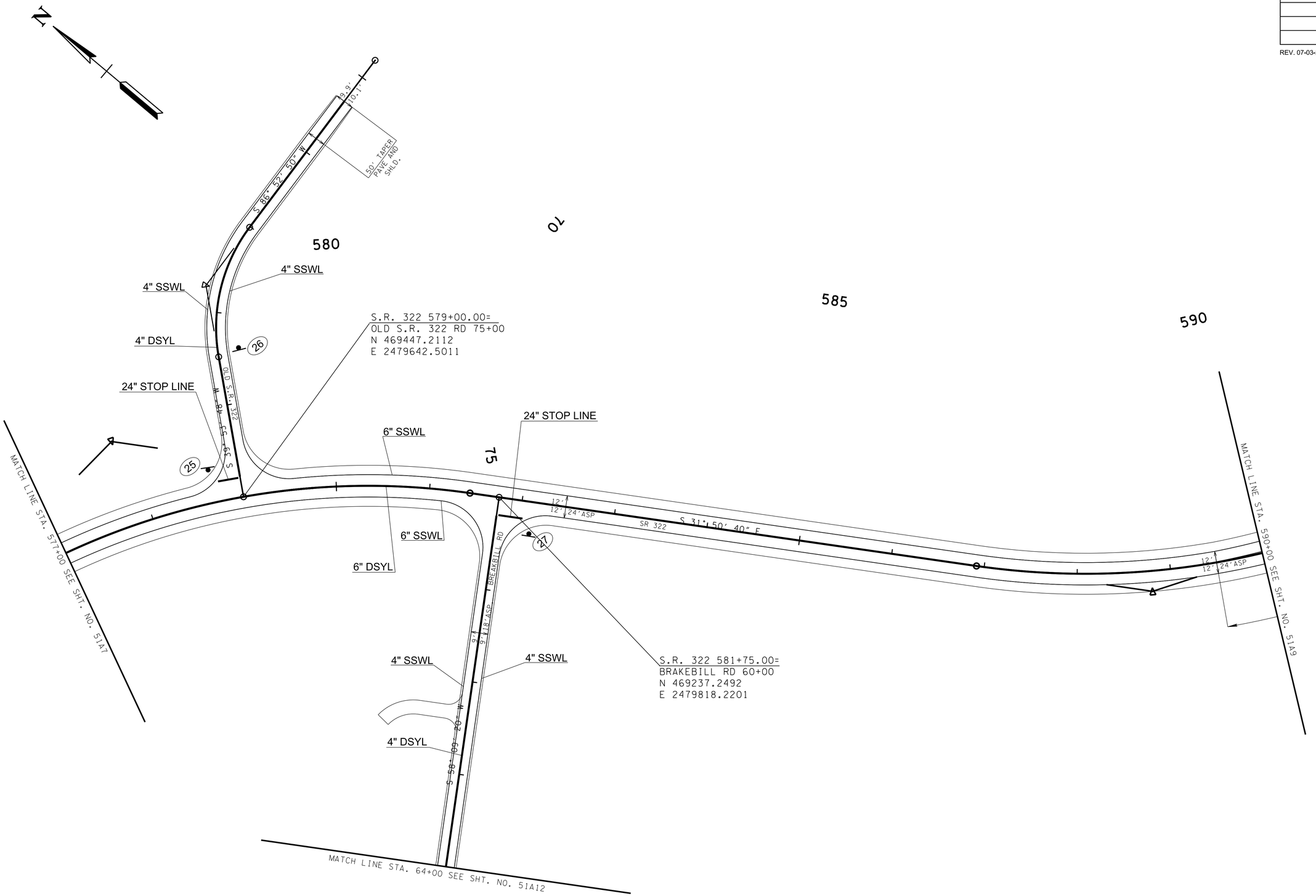
SIGNING AND PAVEMENT MARKING PLAN

STA. 567+00 TO STA. 577+00

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A8

REV. 07-03-24: TRACT 55: ADDED DRIVEWAY.



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BRYAN BARTNIK
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 119211
STATE OF TENNESSEE

2/24/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

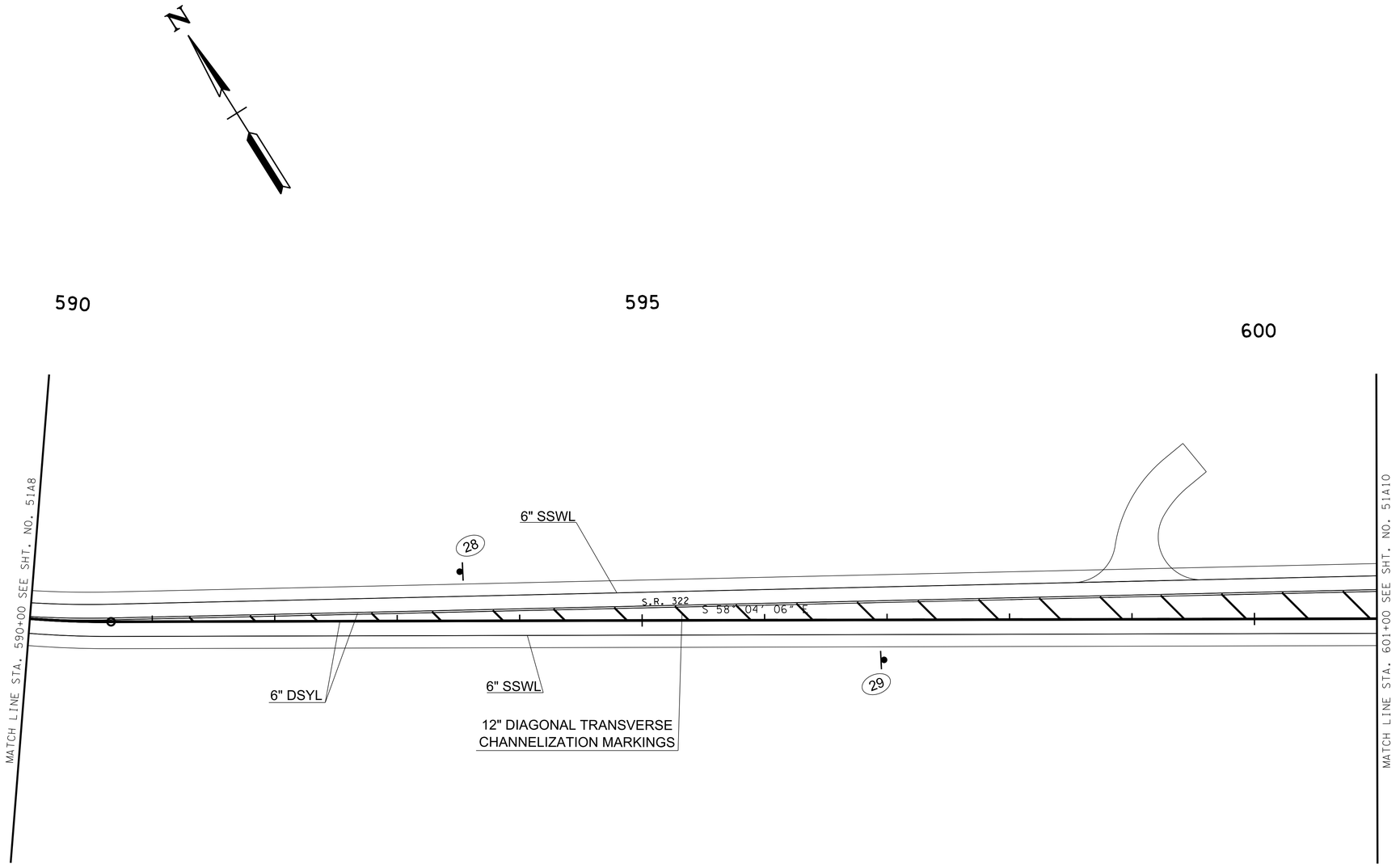
SIGNING AND PAVEMENT MARKING PLAN

STA. 577+00 TO STA. 590+00

SCALE: 1"= 50'

2/24/2026 10:28:10 AM
J:\Design\PROJECTS\MR322-05\051S-0051A8.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A9



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BRYAN BARTHA
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
COMMERCE
No. 119211
STATE OF TENNESSEE

2/24/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

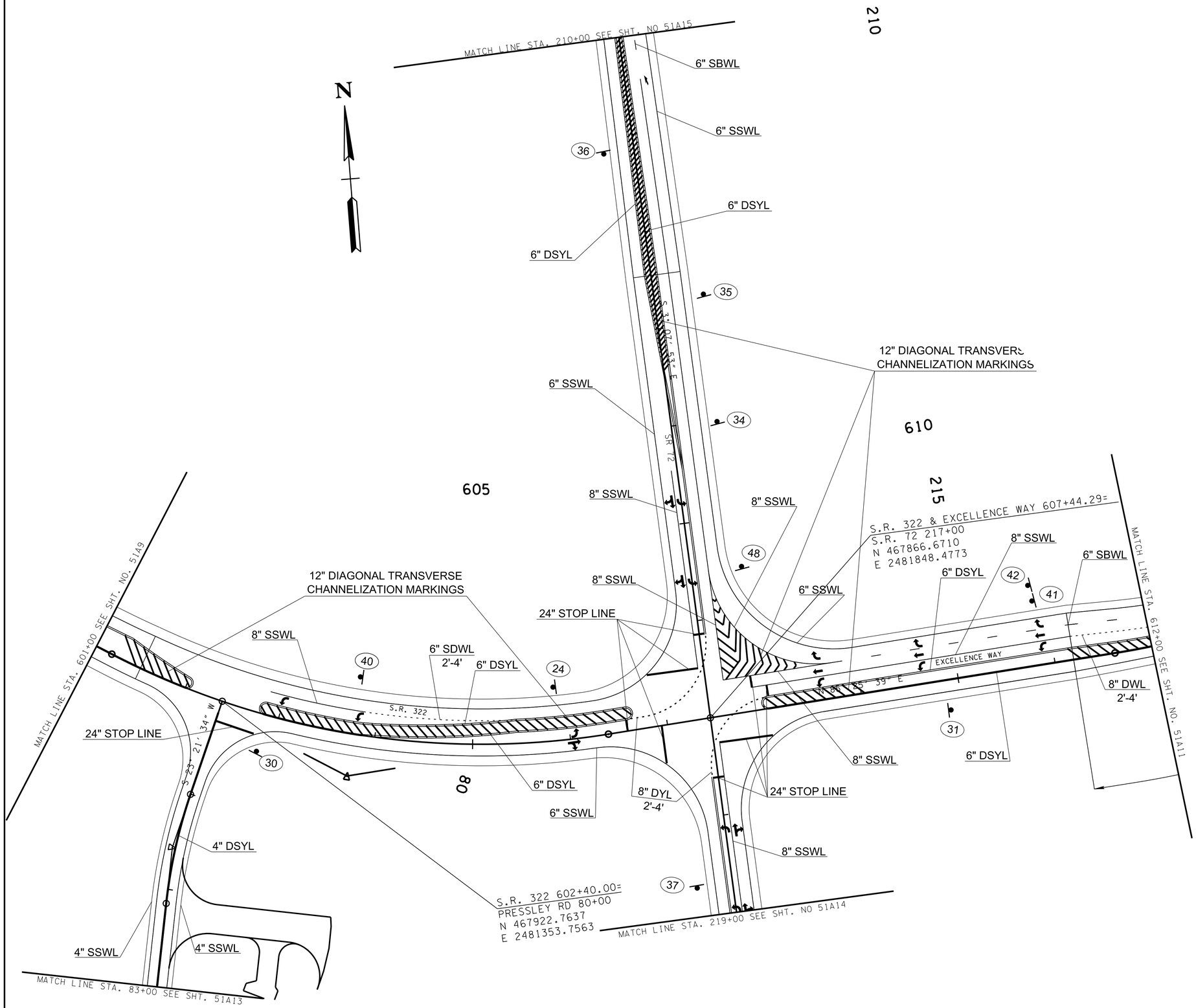
SIGNING AND PAVEMENT MARKING PLAN

STA. 590+00 TO STA. 601+00

SCALE: 1"= 50'

2/24/2026 10:28:11 AM
J:\Design\PROJECTS\MR322-05\051S-0051A9.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A10



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BRYAN BARTNIK
REGISTERED ENGINEER
No. AGRICULTURE
COMMERCE
No. 119211
STATE OF TENNESSEE

2/24/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 601+00 TO STA. 612+00

SCALE: 1"= 50'

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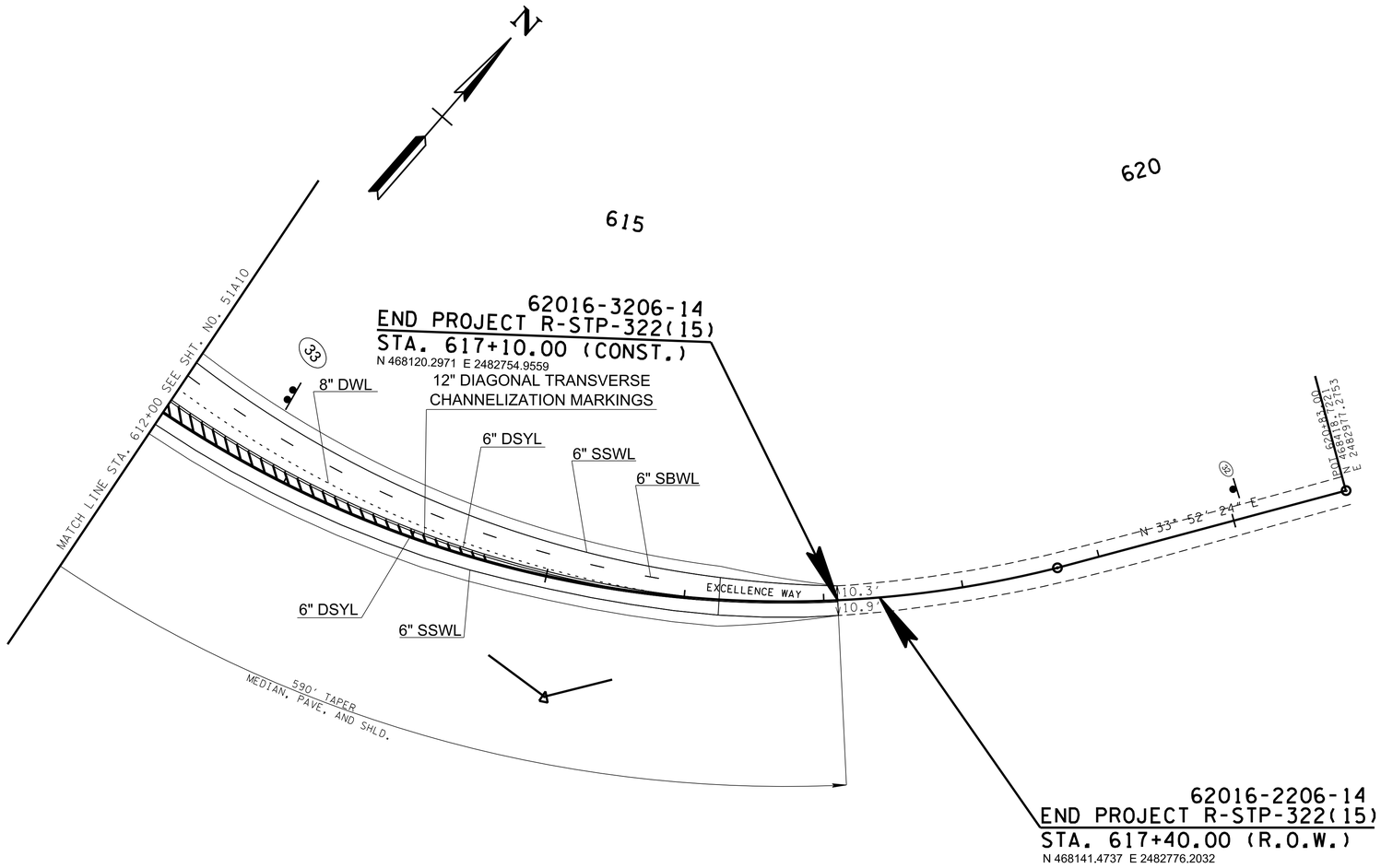
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A11



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BRYAN BARTNIK
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
110921
STATE OF TENNESSEE

2/24/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 612+00 TO STA. 619+50

SCALE: 1"= 50'

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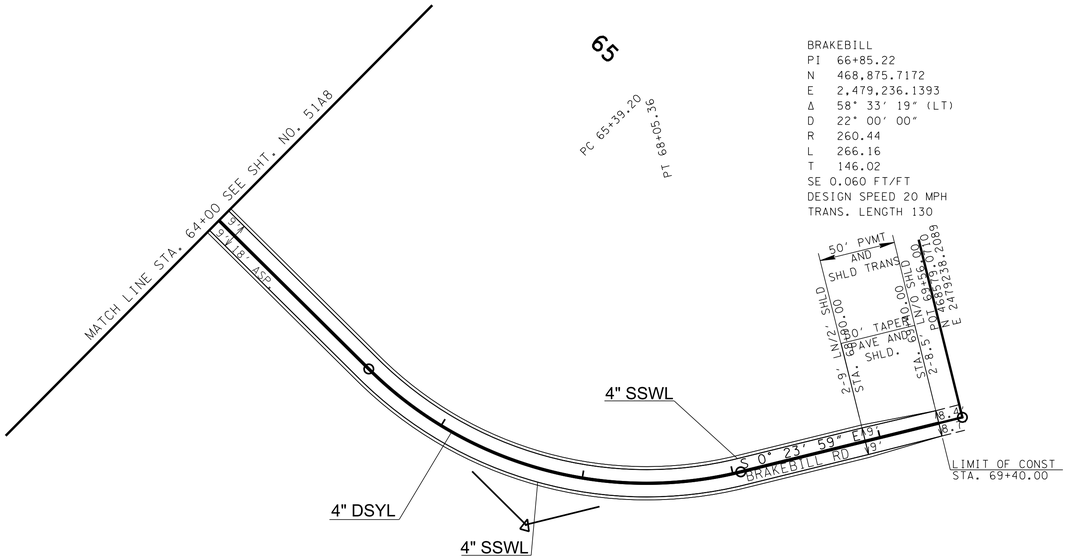
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A12



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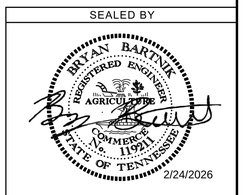

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 64+00 TO STA. 69+40

SCALE: 1"= 50'

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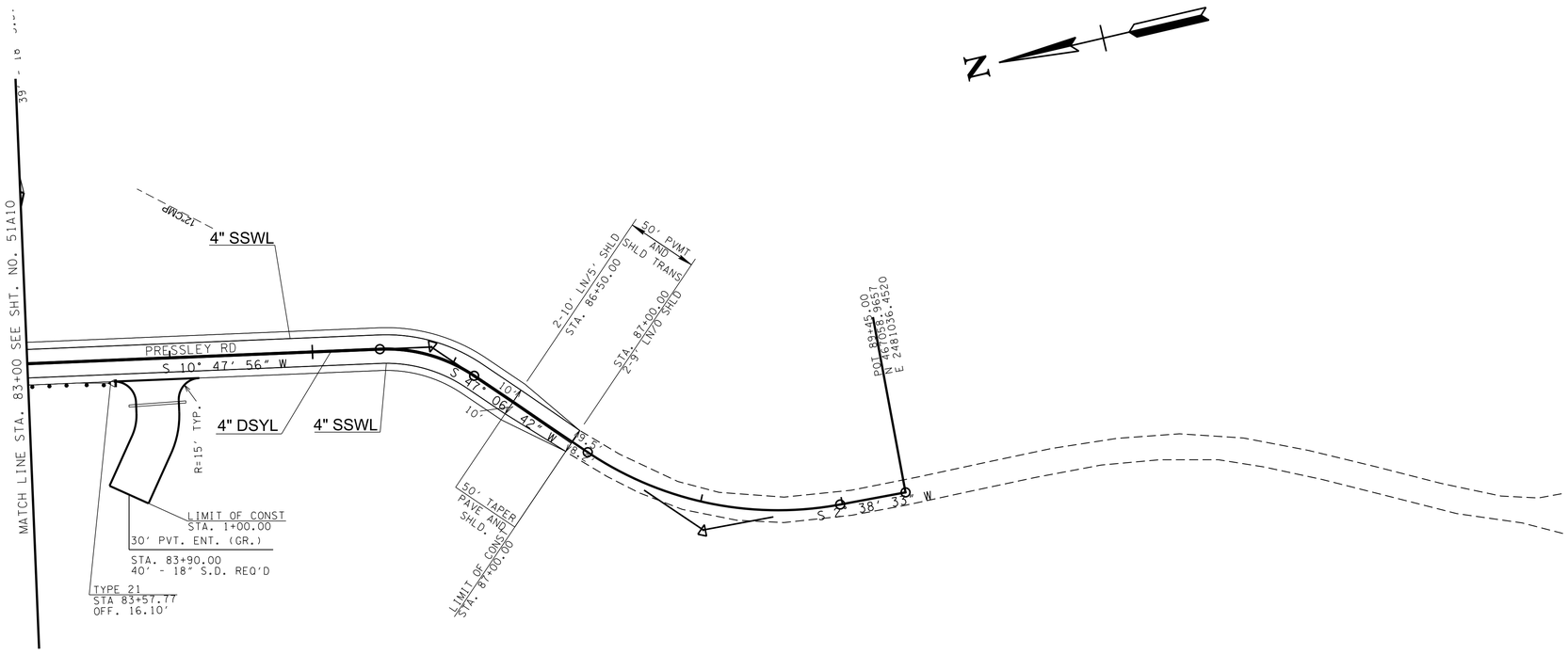
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A13

85



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No. 119211
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 83+00 TO STA. 89+75

SCALE: 1"= 50'

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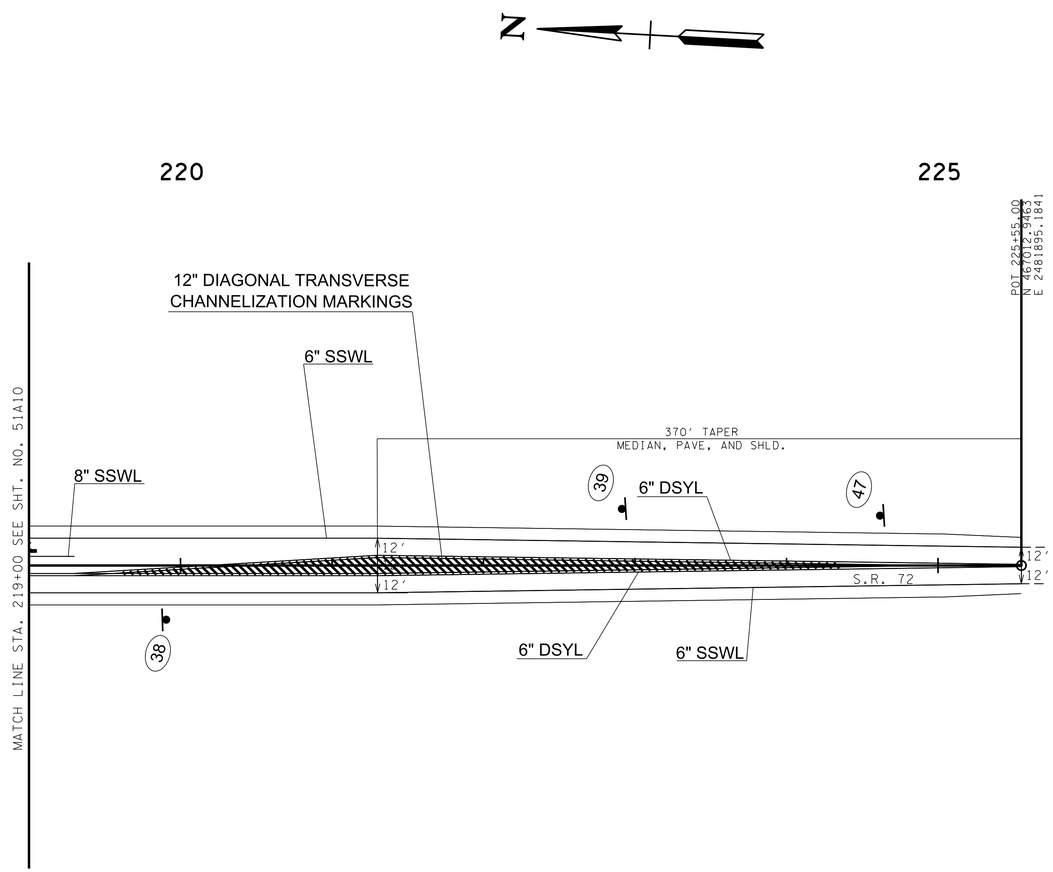
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A14



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 219+00 TO STA. 225+55

SCALE: 1"= 50'

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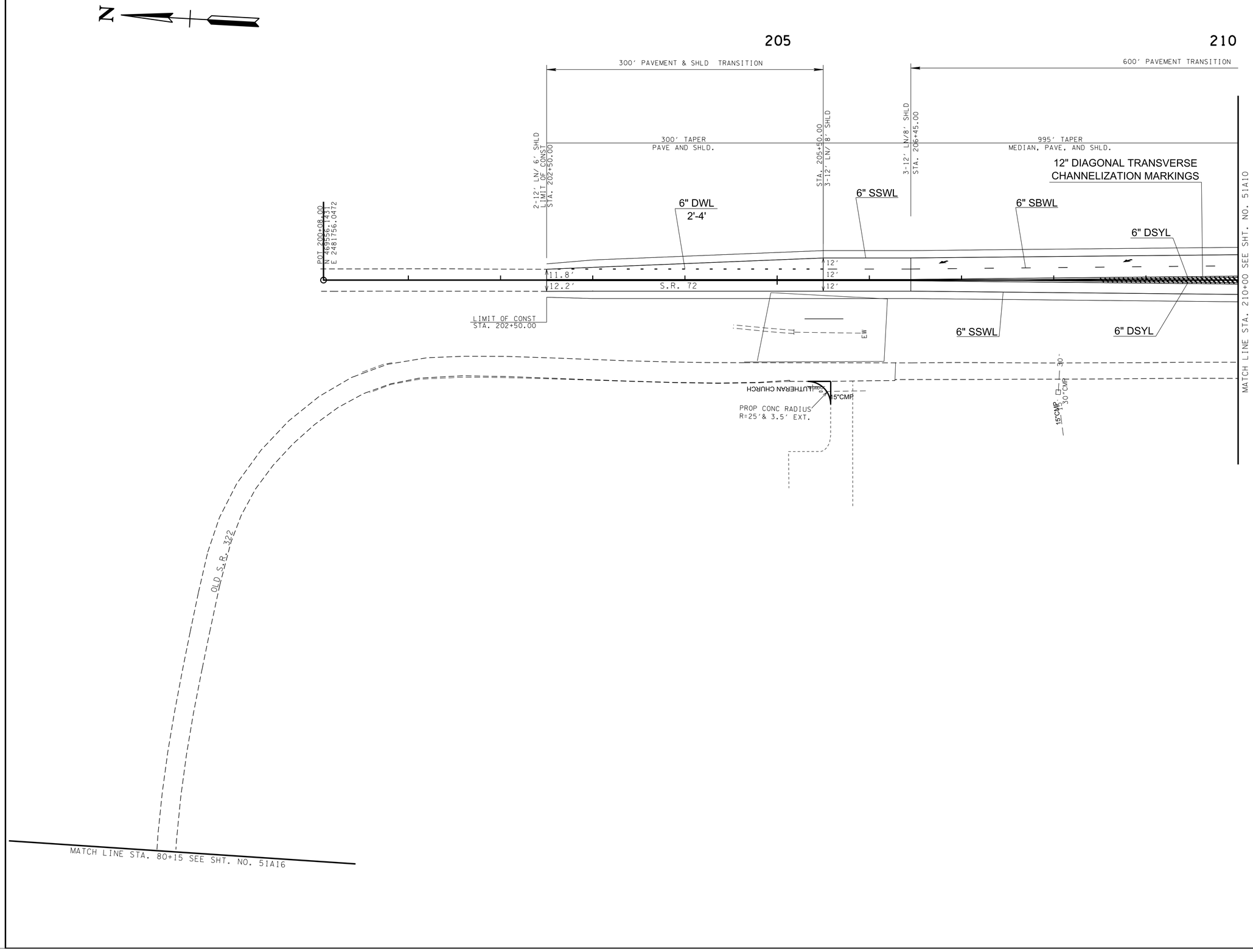
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A15



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No. 119211
STATE OF TENNESSEE
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 202+50 TO STA. 210+00

SCALE: 1"= 50'

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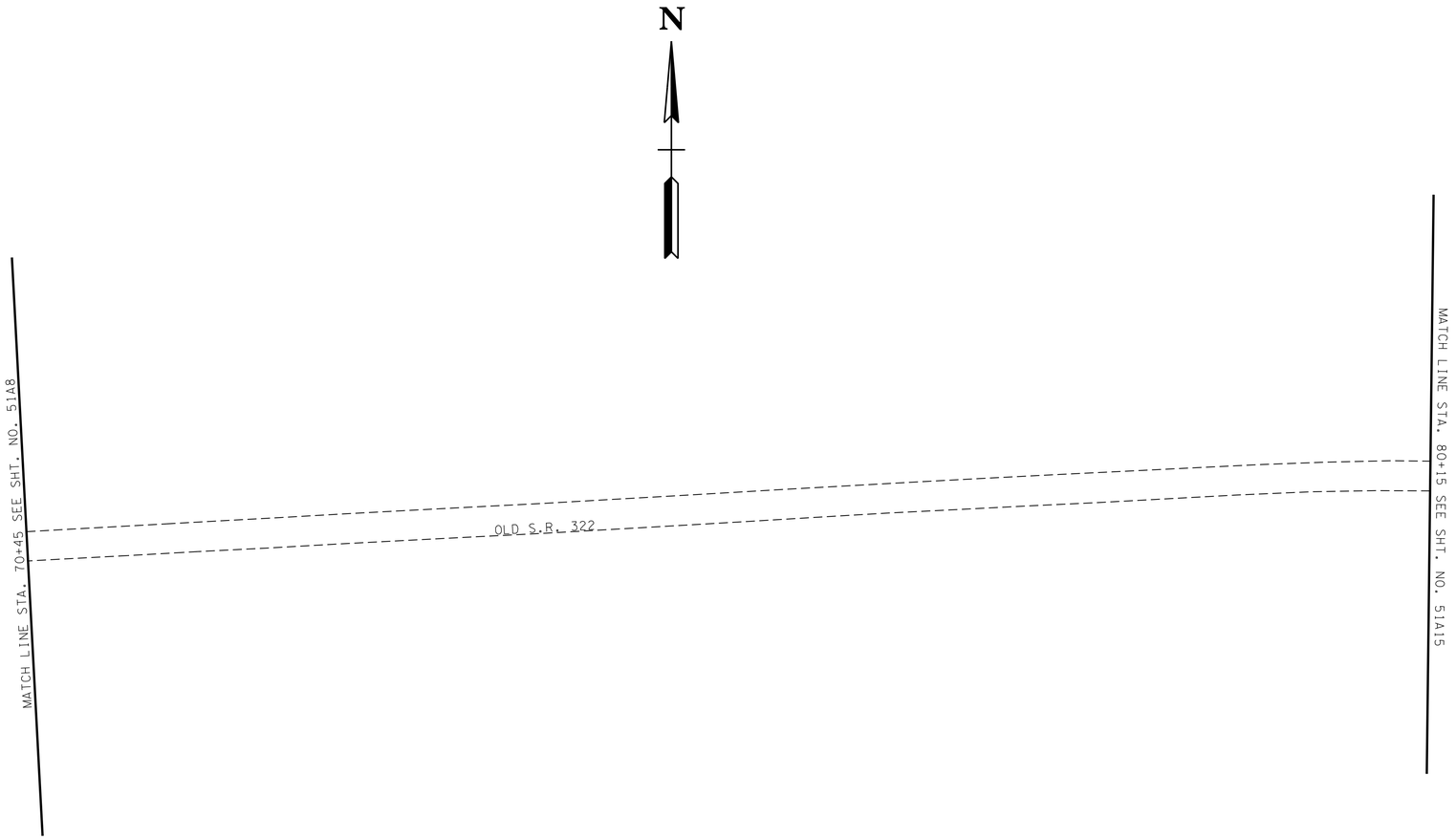
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51A16



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COMMERCE
No. 119911
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNING AND PAVEMENT MARKING PLAN

STA. 70+45 TO STA. 80+15

SCALE: 1"= 50'

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CONCRETE AND STEEL QUANTITIES FOR FOOTINGS ARE PER EACH

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-822(15)	51-B1
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.	.	.	.

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	 W1-2L W13-1P	51A1	36" 18"	36" 18"									BLACK BLACK	YELLOW (REF.) YELLOW (REF.)	0.100" SHEET ALUMINUM 0.080" SHEET ALUMINUM	P6	h = 14'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	4'	P6 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
2	 W2-2L	51A1	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P5	h = 10'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
10	 M3-4 TN-6b	51A2	24" 30"	12" 24"									BLACK BLACK	WHITE (REF.) WHITE (REF.)	0.080" SHEET ALUMINUM	P3	h = 12'-6"				5'	
4	 W5-2	51A1	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P5	h = 10'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
5	 W10-1L	51A1	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P5	h = 10'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
6	 M3-4 TN-6b	51A1 51A10	24" 30"	12" 24"									BLACK BLACK	WHITE (REF.) WHITE (REF.)	0.080" SHEET ALUMINUM	P3 P3	h = 12'-6" h = 12'-6"				5' 5'	
7	 W1-4	51A1	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P5	h = 10'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
8	 W1-7	51A2	48"	24"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P2	h_1 = 11'-0" h_2 = 11'-0"				5'	
9	 R1-1	51A2	36"	36"											0.100" SHEET ALUMINUM	P5	h = 10'-0"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 & P6 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
13		51A3														P5	h = 10'-6"					
18		51A4														P6	h = 14'-9"					
19		51A5														P5	h = 11'-6"					
22		51A7														P5	h = 10'-6"					
23		51A7														P5	h = 10'-6"					
25		51A8														P6	h = 14'-9"					
27		51A8														P6	h = 14'-9"					
30		51A10														P5	h = 10'-0"					
3	 R2-1	51A1	24"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P4	h = 12'-3"				5'	
11		51A2														P4	h = 12'-3"				5'	
40		51A10														P3	h = 11'-9"				5'	
12	 W10-1R	51A2	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P5	h = 10'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGN SCHEDULE

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CONCRETE AND STEEL QUANTITIES FOR FOOTINGS ARE PER EACH

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	51B2
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.	.	.	.
.	.	.	.

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.		
31	W1-2L	51A10	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P5	h = 11'-6"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
16	W1-10R 35 MPH W13-1P	51A4	36" 18"	36" 18"									BLACK BLACK	YELLOW (REF.) YELLOW (REF.)	0.100" SHEET ALUMINUM 0.080" SHEET ALUMINUM	P5	h = 12'-6"	TYPE 4 1'-0" DIA.	0.12	24.9	4'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
32	W1-2R	51A11	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P5	h = 11'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
20	W1-10L	51A6	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P5	h = 11'-6"	TYPE 4 1'-0" DIA.	0.12	24.9	4'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
29	35 MPH W13-1P	51A9	18"	18"									BLACK	YELLOW (REF.)	0.080" SHEET ALUMINUM	P5	h = 12'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	4'	
21	W1-5L	51A6	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P5	h = 11'-6"	TYPE 4 1'-0" DIA.	0.12	24.9	4'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
28	35 MPH W13-1P	51A9	18"	18"									BLACK	YELLOW (REF.)	0.080" SHEET ALUMINUM	P5	h = 11'-6"	TYPE 4 1'-0" DIA.	0.12	24.9	4'	
26	NO OUTLET W14-2	51A8	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	2½"□ @ 3.98 #/FT.	h = 16'-6"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	
33	Loudon →	51A11	4'-0"	1'-6"	3"	1"	8"	6"		E MOD		ORD SIGNCAD STD.	WHITE (REF.)	GREEN (REF.)	1-12" & 1-6" ALUMINUM EXTRUSIONS	P2	h_1 = 11'-6" h_2 = 11'-9"				5'	
34	WEST M3-4 72 Tennessee TN-6c	51A10	24" 30"	12" 24"									BLACK BLACK	WHITE (REF.) WHITE (REF.)	0.080" SHEET ALUMINUM	P3	h = 12'-6"				5'	
35	SPEED LIMIT 55 R2-1	51A10	24"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P3	h = 11'-9"				5'	
38		51A14														P3	h = 11'-9"				5'	
	Excellence Way →	SIG-2	8'-6"	2'-0"	3"	1"	12"	8"		HWY B		ORD SIGNCAD STD.	WHITE (REF.)	GREEN (REF.)	2-12" ALUMINUM EXTRUSIONS						17'	OVERHEAD SIGN - SEE SIGNAL SHEETS FOR PLACEMENT
	← Excellence Way	SIG-2	8'-6"	2'-0"	3"	1"	12"	8"		HWY B		ORD SIGNCAD STD.	WHITE (REF.)	GREEN (REF.)	2-12" ALUMINUM EXTRUSIONS						17'	OVERHEAD SIGN - SEE SIGNAL SHEETS FOR PLACEMENT
	State Route 72	SIG-2	8'-0"	2'-0"	3"	1"	12"	8"		HWY B		ORD SIGNCAD STD.	WHITE (REF.)	GREEN (REF.)	2-12" ALUMINUM EXTRUSIONS						17'	OVERHEAD SIGN - SEE SIGNAL SHEETS FOR PLACEMENT

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BRYAN BARTNIK REGISTERED ENGINEER AGRICULTURE COMMERCIAL 119241 STATE OF TENNESSEE

2/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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CONCRETE AND STEEL QUANTITIES FOR FOOTINGS ARE PER EACH

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-822(15)	51B3
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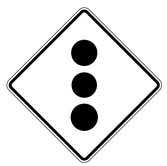
SIGN NO.	LEGEND	SHEET NO.	SIZE				COPY				SHIELD	ARROW	SIGN FACE			STEEL DESIGN (BREAK-AWAY)					MINIMUM VERTICAL CLEARANCE	REMARKS
			LENGTH	HEIGHT	RADIUS	BORDER WIDTH	CAPITAL	LOWER CASE	NUMERAL	SERIES			COPY	BACKGROUND	MATERIAL	SUPPORT TYPE	SUPPORT LENGTH	FOOTING	CONC. CU. YD.	REIN. STEEL LBS.		
36	 W3-3	51A10	36"	36"									BLACK	YELLOW/ RED/GREEN (REF.)	0.100" SHEET ALUMINUM	P5	h = 10'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
47		51A14														P5	h = 10'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	
37	 M3-4 TN-6c	51A10	24" 30"	12" 24"									BLACK BLACK	WHITE (REF.) WHITE (REF.)	0.080" SHEET ALUMINUM	P3	h = 12'-6"				5'	
39	 TN-43	51A14	48"	24"									GREEN (REF.)	WHITE (REF.)	0.100" SHEET ALUMINUM	P2	h_1 = 11'-3" h_2 = 11'-6"				5'	
14	 TN-13	51A4	24"	30"									BLACK	WHITE (REF.)	0.080" SHEET ALUMINUM	P3	h = 13'-0"				5'	
		SIG-2	10'-0"	2'-0"	3"	1"	12"	8"		HWY B		ORD SIGNCAD STD.	WHITE (REF.)	GREEN (REF.)	2-12" ALUMINUM EXTRUSIONS						17'	OVERHEAD SIGN - SEE SIGNAL SHEETS FOR PLACEMENT
		SIG-2	10'-0"	2'-0"	3"	1"	12"	8"		HWY B		ORD SIGNCAD STD.	WHITE (REF.)	GREEN (REF.)	2-12" ALUMINUM EXTRUSIONS						17'	OVERHEAD SIGN - SEE SIGNAL SHEETS FOR PLACEMENT
	 R10-12	SIG-2	30"	36"									BLACK	WHITE/ GREEN (REF.)	0.080" SHEET ALUMINUM						17'	OVERHEAD SIGN - SEE SIGNAL SHEETS FOR PLACEMENT
41	 M4-1 M1-4 M6-1	51A10	24" 24" 21"	12" 24" 15"									BLACK BLACK BLACK	WHITE (REF.) BLACK/ WHITE (REF.) WHITE (REF.)	0.080" SHEET ALUMINUM	P5	h = 11'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
42	 M4-1 M1-1 M6-1	51A10	24" 24" 21"	12" 24" 15"									WHITE (REF.) WHITE (REF.) WHITE (REF.)	BLUE (REF.) RED/BLUE (REF.) BLUE (REF.)	0.080" SHEET ALUMINUM	P5	h = 11'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
43	 W3-1S	51A2	36"	36"									BLACK	YELLOW/ RED (REF.)	0.100" SHEET ALUMINUM	P5	h = 11'-6"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
45	 W2-1	51A6	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P5	h = 10'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A
46		51A7														P5	h = 10'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	
48		51A10	36"	36"									BLACK	YELLOW (REF.)	0.100" SHEET ALUMINUM	P5	h = 10'-9"	TYPE 4 1'-0" DIA.	0.12	24.9	5'	P5 SUPPORTS REQUIRE SLIP BASE ITEM NO. 713-11.21 (INCLUDES STUB) - SEE DETAIL D ON STD. DWG. T-S-23A

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SIGN SCHEDULE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	52
PS&E	2026	R-STP-322(15)	52



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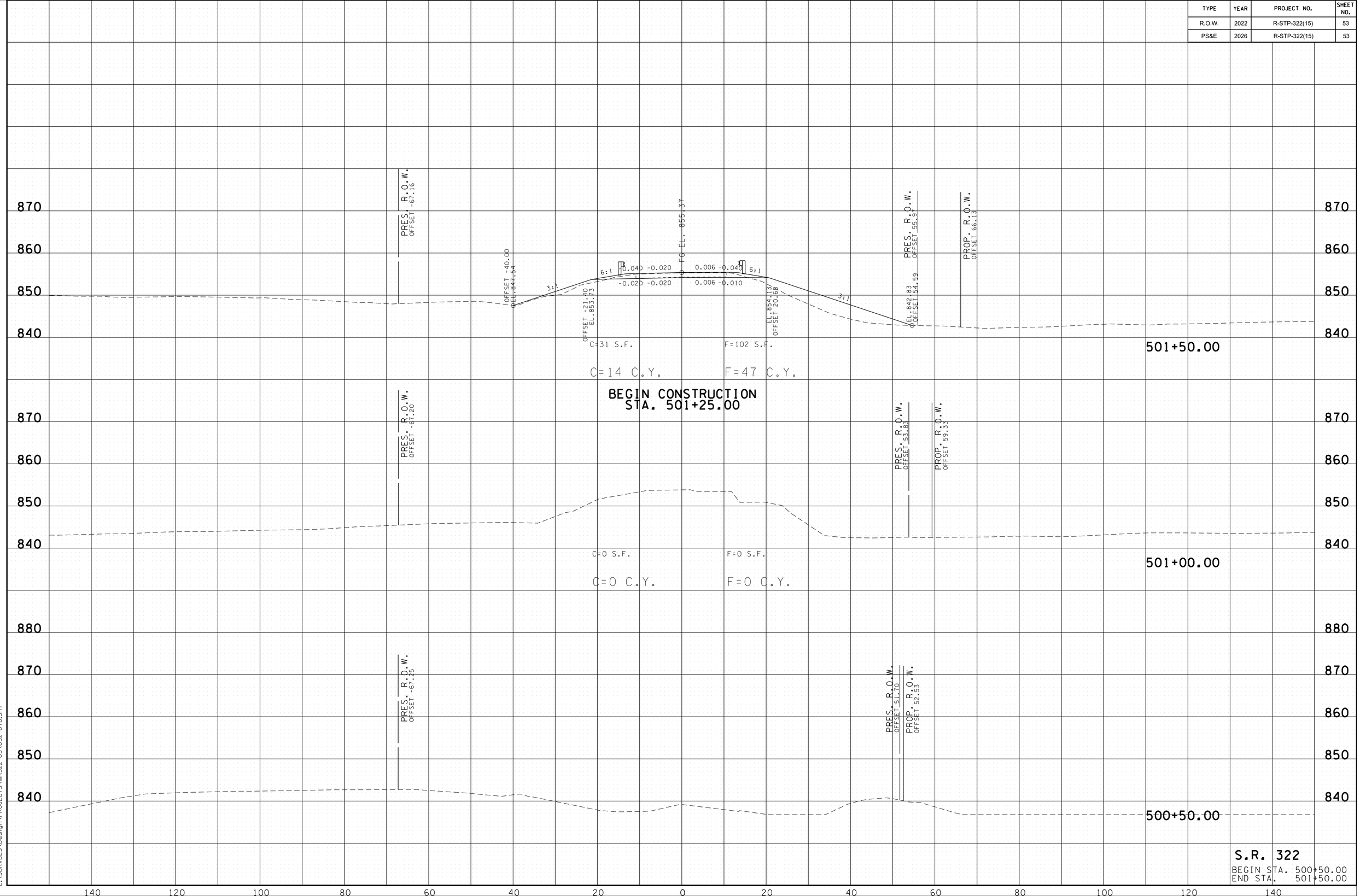
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	53
PS&E	2026	R-STP-322(15)	53



S.R. 322
BEGIN STA. 500+50.00
END STA. 501+50.00

2/24/2026 10:02:27 AM
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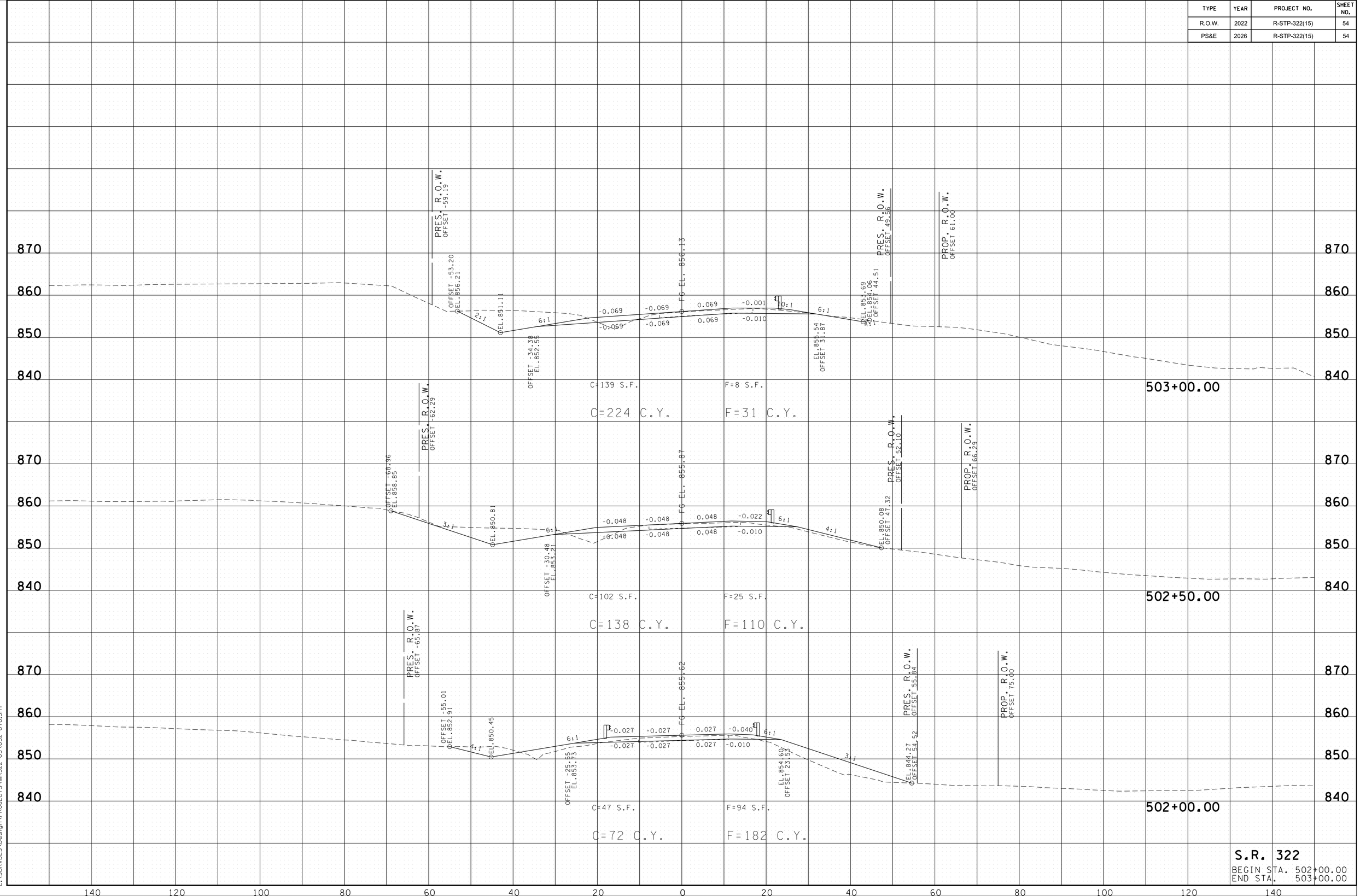
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	54
PS&E	2026	R-STP-322(15)	54



S.R. 322

BEGIN STA. 502+00.00
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2/24/2026 10:02:28 AM
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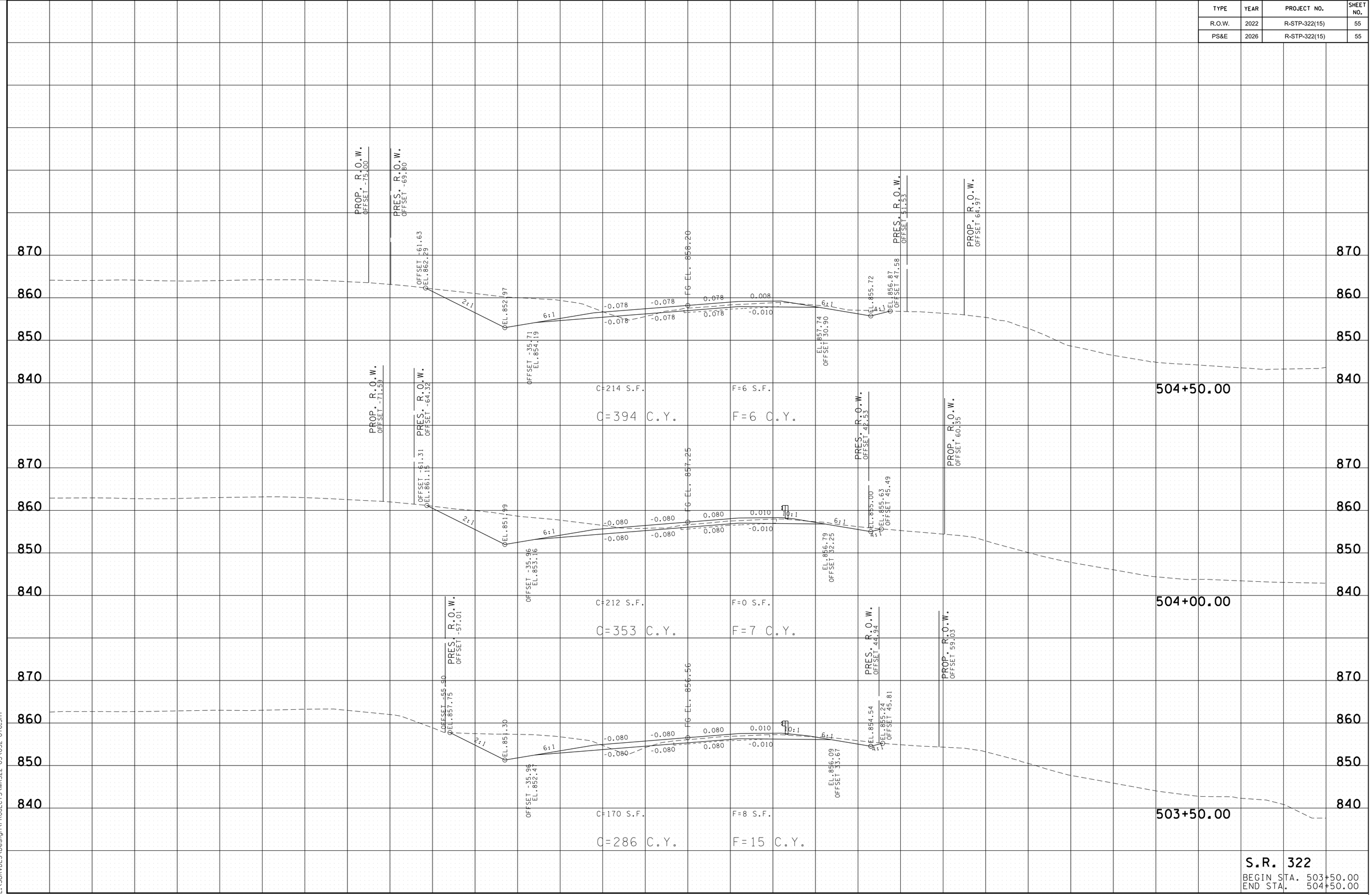
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	55
PS&E	2026	R-STP-322(15)	55



S.R. 322

BEGIN STA. 503+50.00
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2/24/2026 10:02:30 AM
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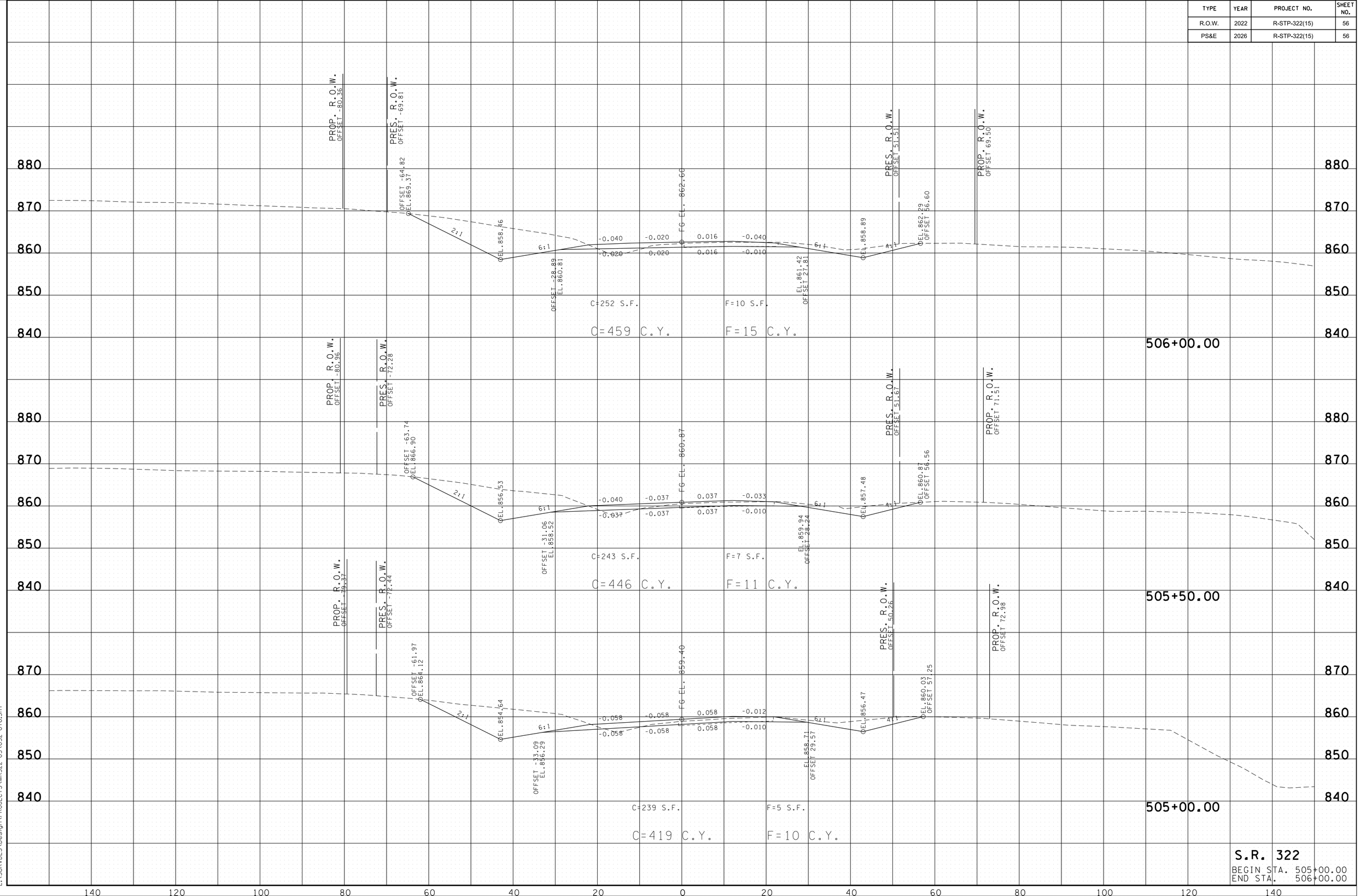
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	56
PS&E	2026	R-STP-322(15)	56



S.R. 322
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2/24/2026 10:02:31 AM
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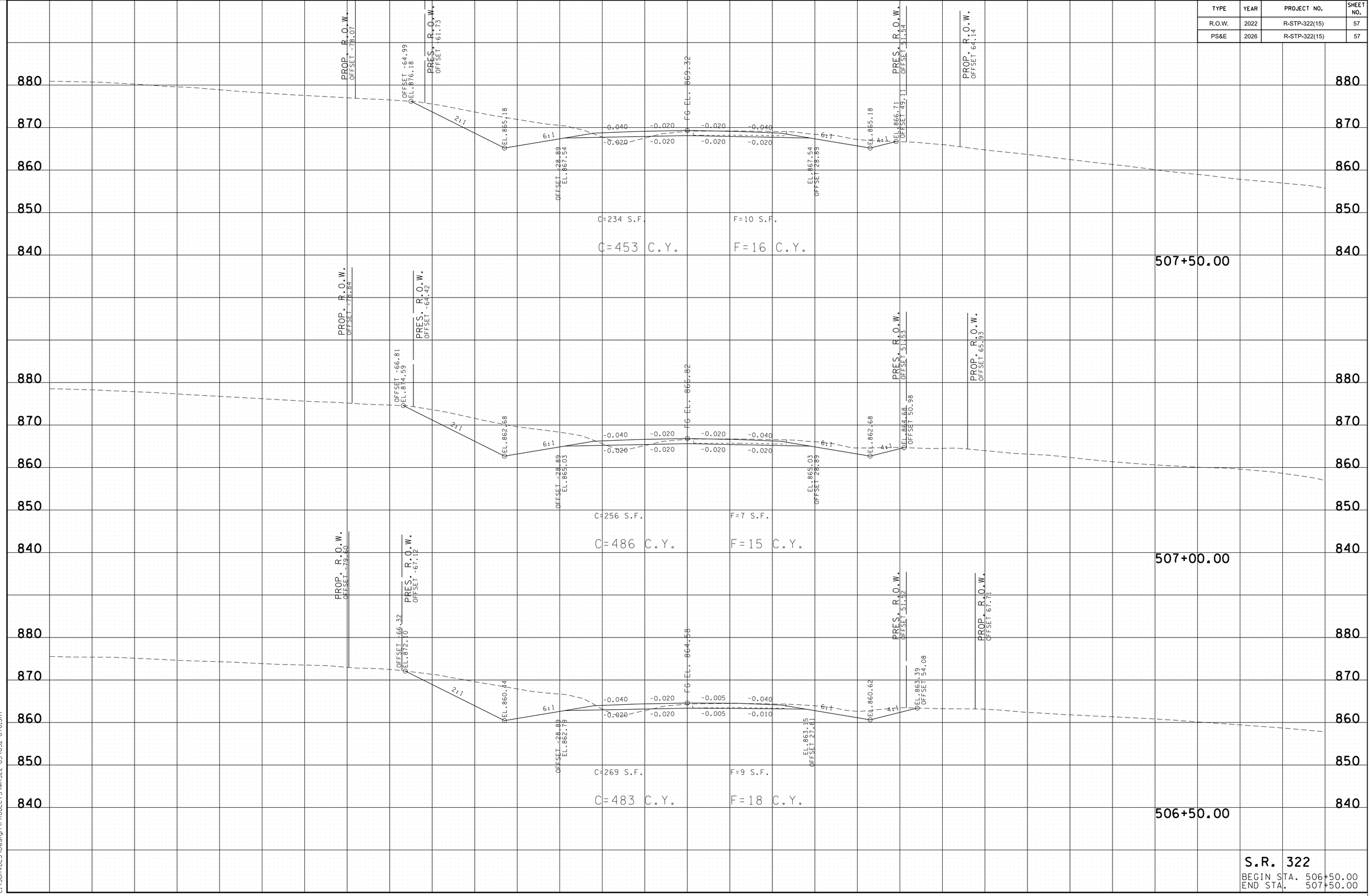
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	57
PS&E	2026	R-STP-322(15)	57



S.R. 322
BEGIN STA. 506+50.00
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2/24/2026 10:02:33 AM
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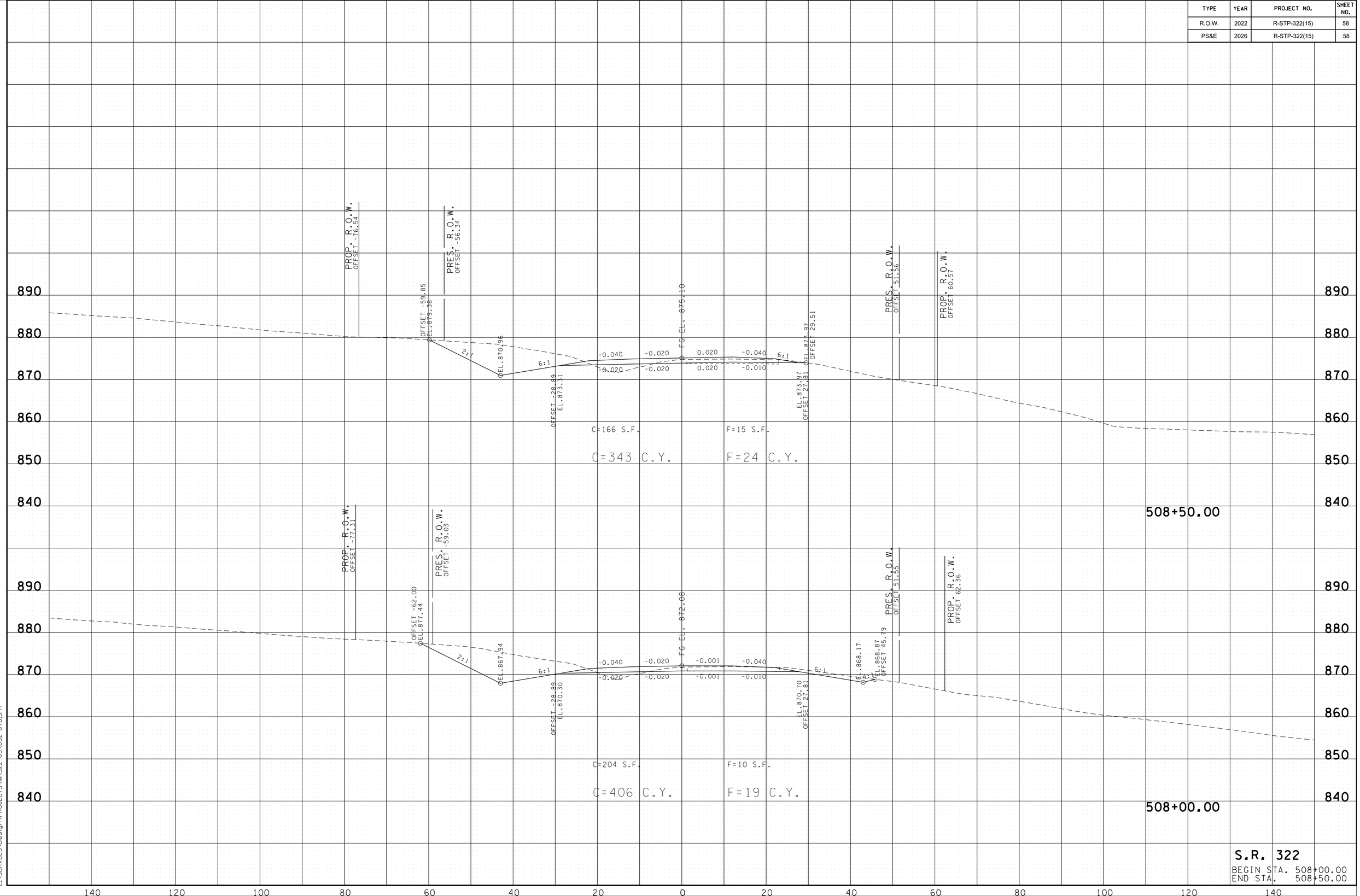
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	58
PS&E	2026	R-STP-322(15)	58



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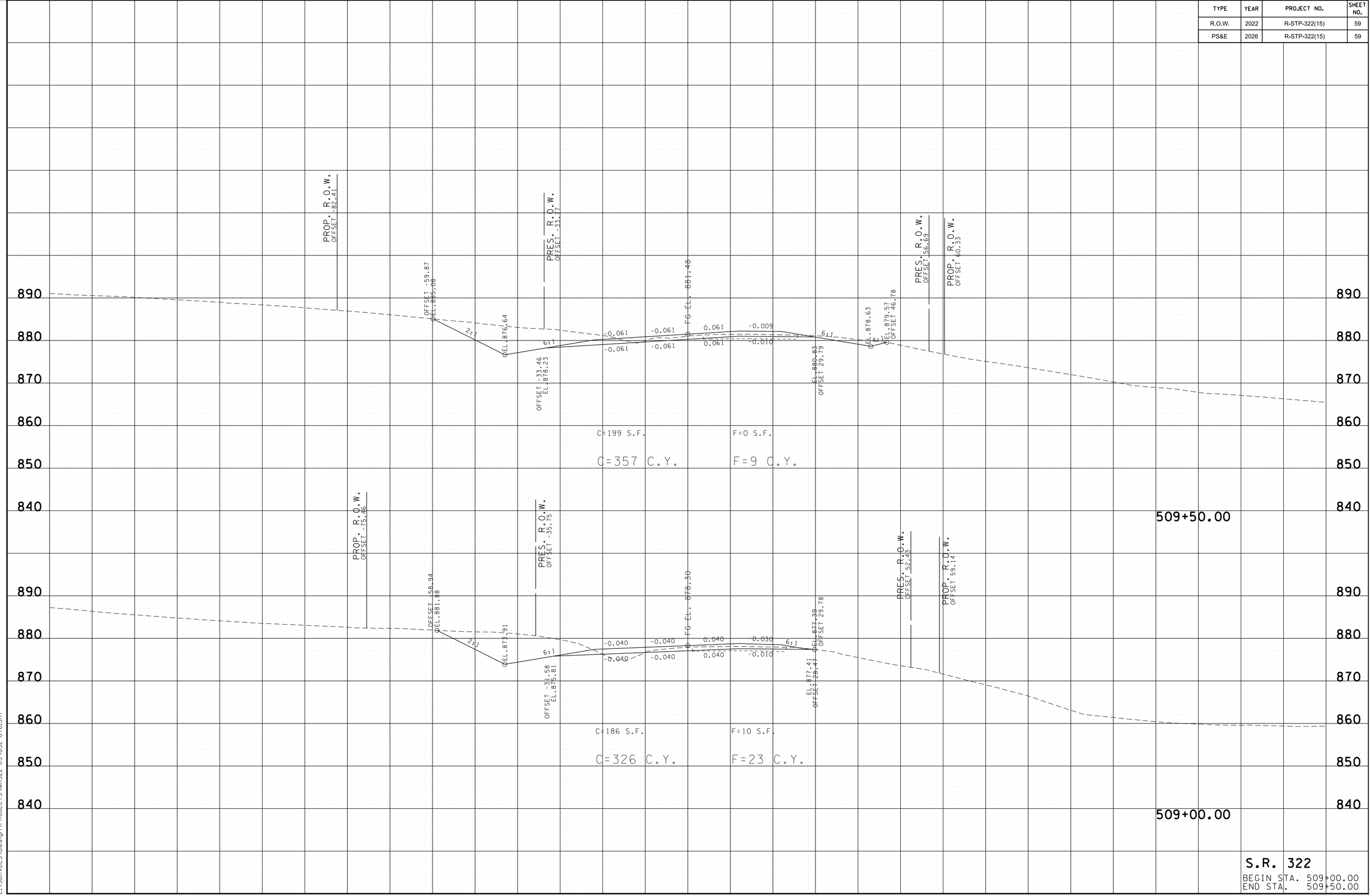
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	59
PS&E	2026	R-STP-322(15)	59



S.R. 322
BEGIN STA. 509+00.00
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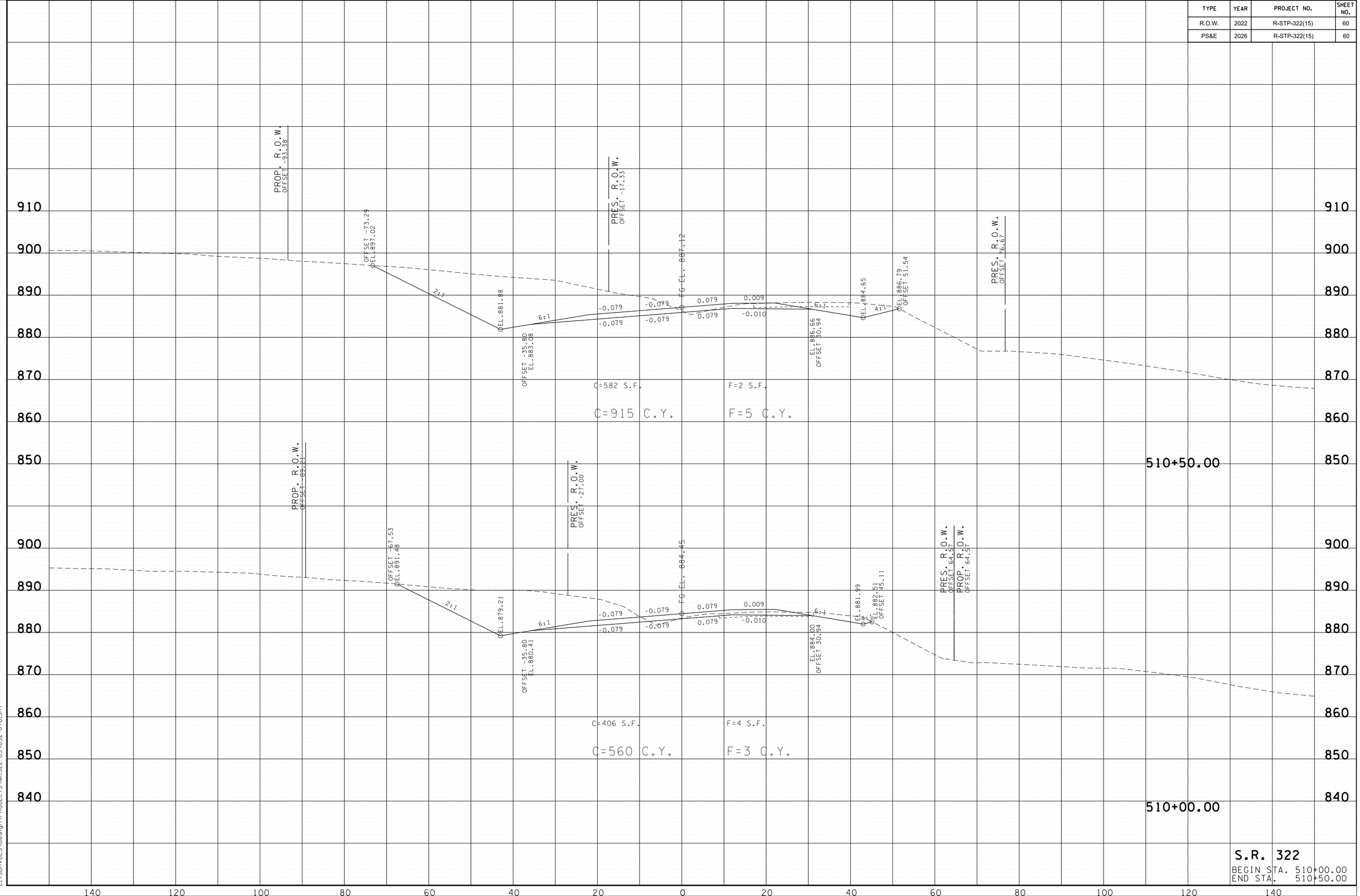
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	60
PS&E	2026	R-STP-322(15)	60



S.R. 322

BEGIN STA. 510+00.00
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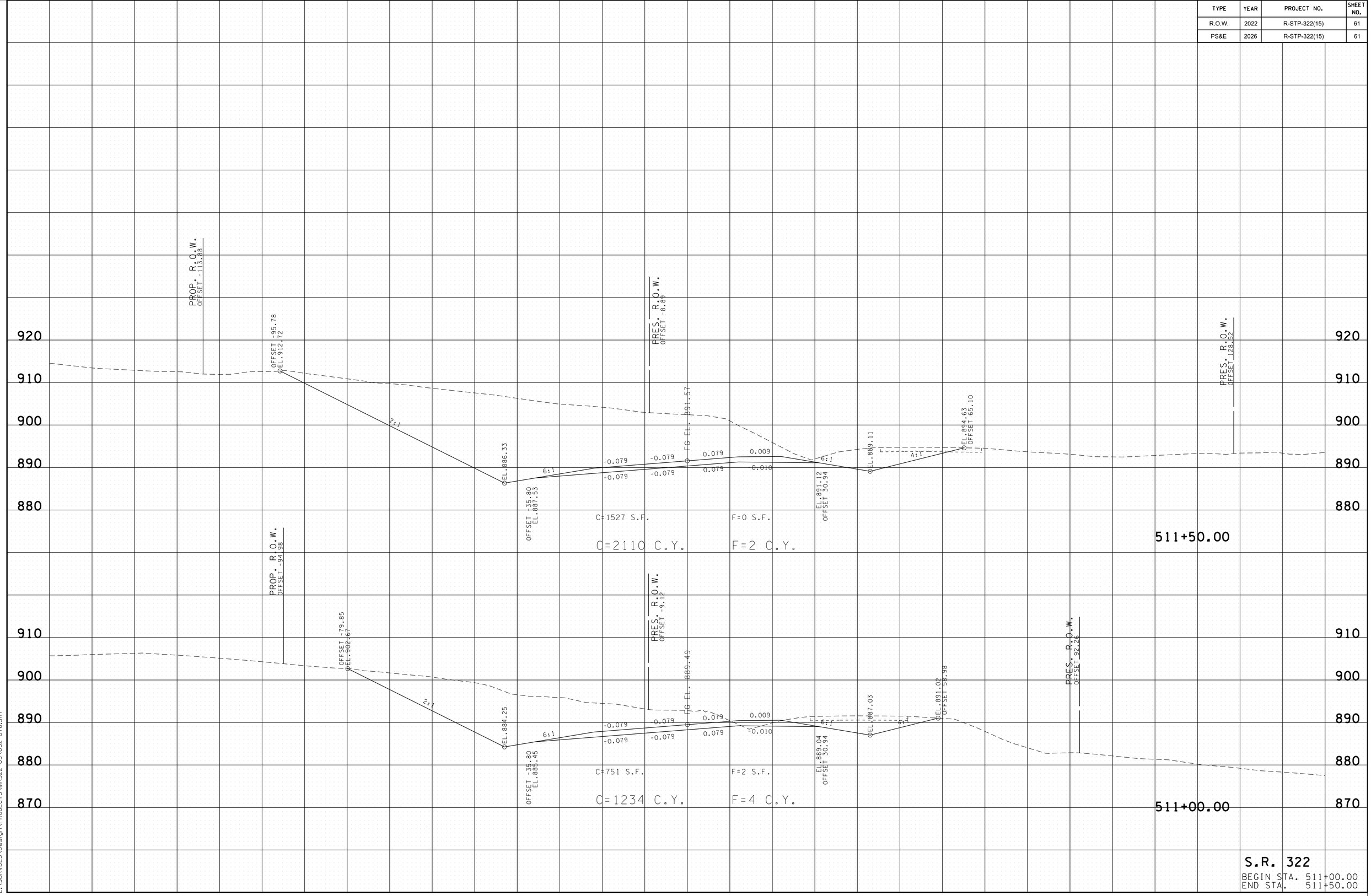
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	61
PS&E	2026	R-STP-322(15)	61



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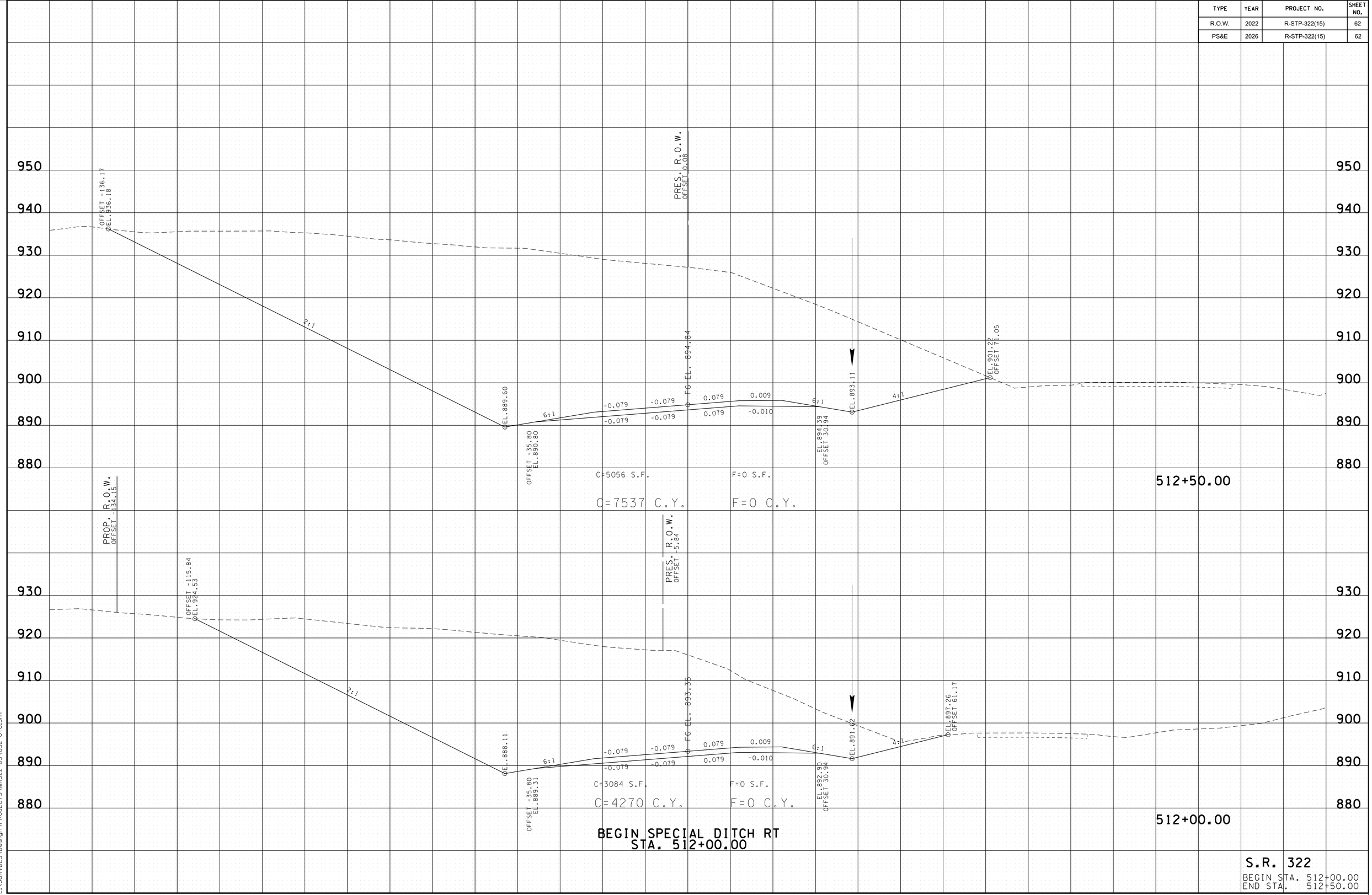
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	62
PS&E	2026	R-STP-322(15)	62



S.R. 322

BEGIN STA. 512+00.00
END STA. 512+50.00

2/24/2026 10:02:54 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	63
PS&E	2026	R-STP-322(15)	63

950 940 930 920 910 900 890 880

OFFSET -135.59
@EL.937.99

2:1

@EL.891.69

6:1

-0.079 -0.079 0.079
-0.079 -0.079 0.079

@ FG EL. 896.93

PRES. R.O.W.
OFFSET 12.87

EL.896.67
SIDEROAD *** OFFSET 12.00

OFFSET -35.80
EL.892.89

C=3389 S.F. F=0 S.F.

C=7357 C.Y. F=0 C.Y.

513+50.00

OFFSET -147.82
@EL.943.20

2:1

@EL.890.79

6:1

-0.079 -0.079 0.079
-0.079 -0.079 0.079

@ FG EL. 896.03

PRES. R.O.W.
OFFSET 8.96

EL.895.77
SIDEROAD *** OFFSET 12.00

OFFSET -35.80
EL.891.99

C=4557 S.F. F=0 S.F.

C=8901 C.Y. F=0 C.Y.

513+00.00

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

S.R. 322
BEGIN STA. 513+00.00
END STA. 513+50.00

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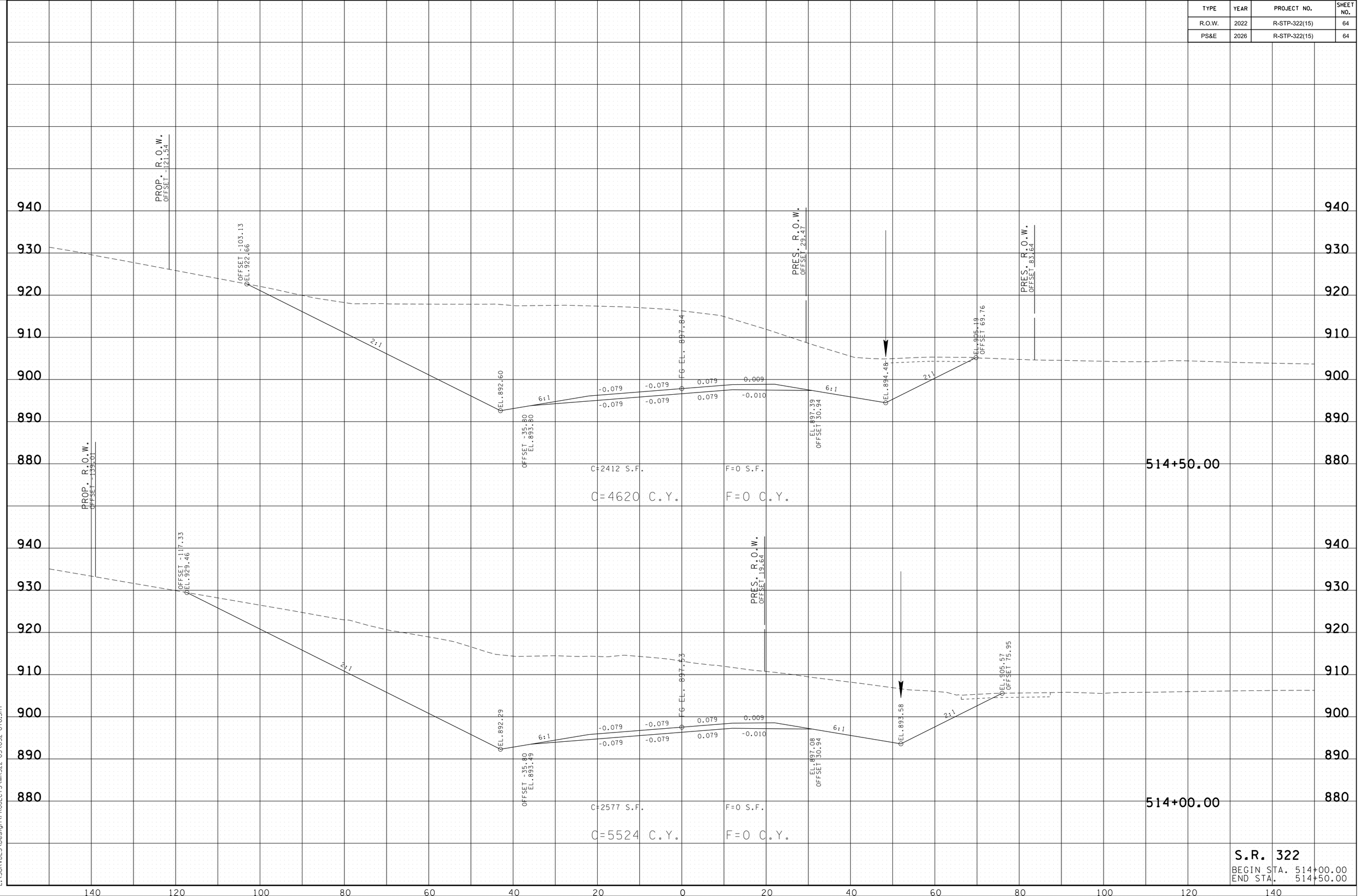
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	64
PS&E	2026	R-STP-322(15)	64



S.R. 322
BEGIN STA. 514+00.00
END STA. 514+50.00

2/24/2026 10:02:57 AM
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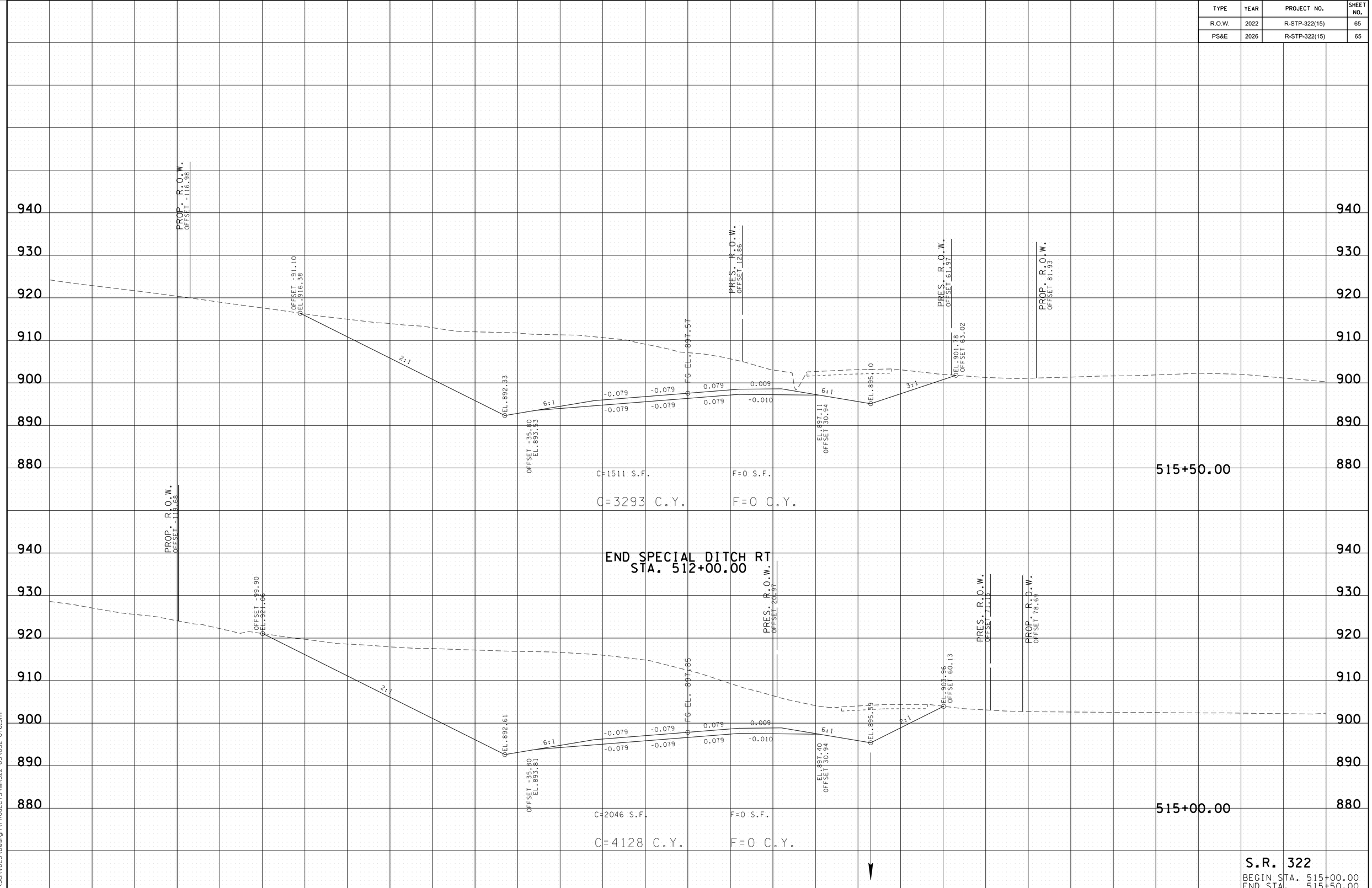
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	65
PS&E	2026	R-STP-322(15)	65



S.R. 322
BEGIN STA. 515+00.00
END STA. 515+50.00

2/24/2026 10:02:59 AM
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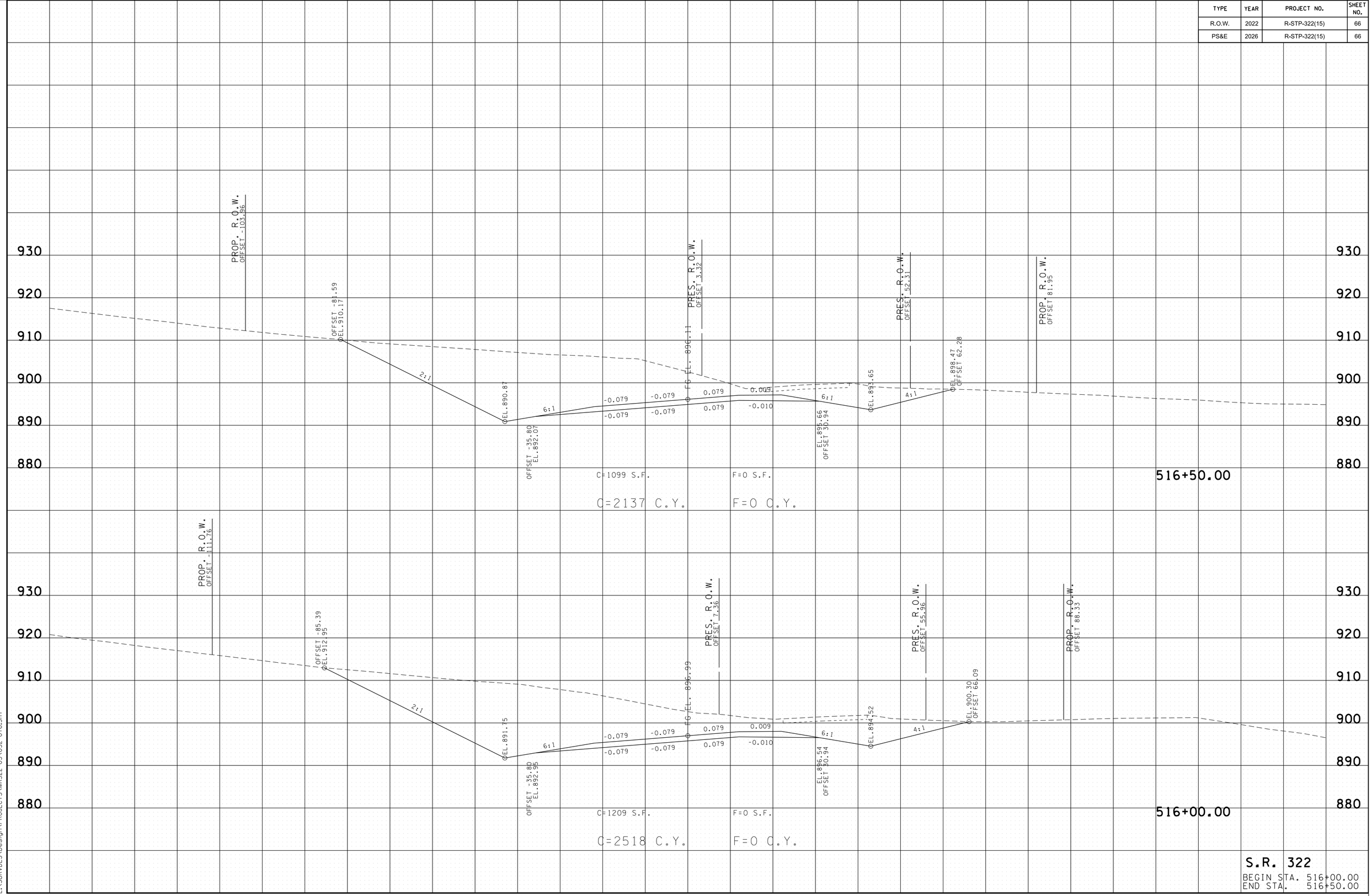
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	66
PS&E	2026	R-STP-322(15)	66



S.R. 322
BEGIN STA. 516+00.00
END STA. 516+50.00

2/24/2026 10:03:00 AM
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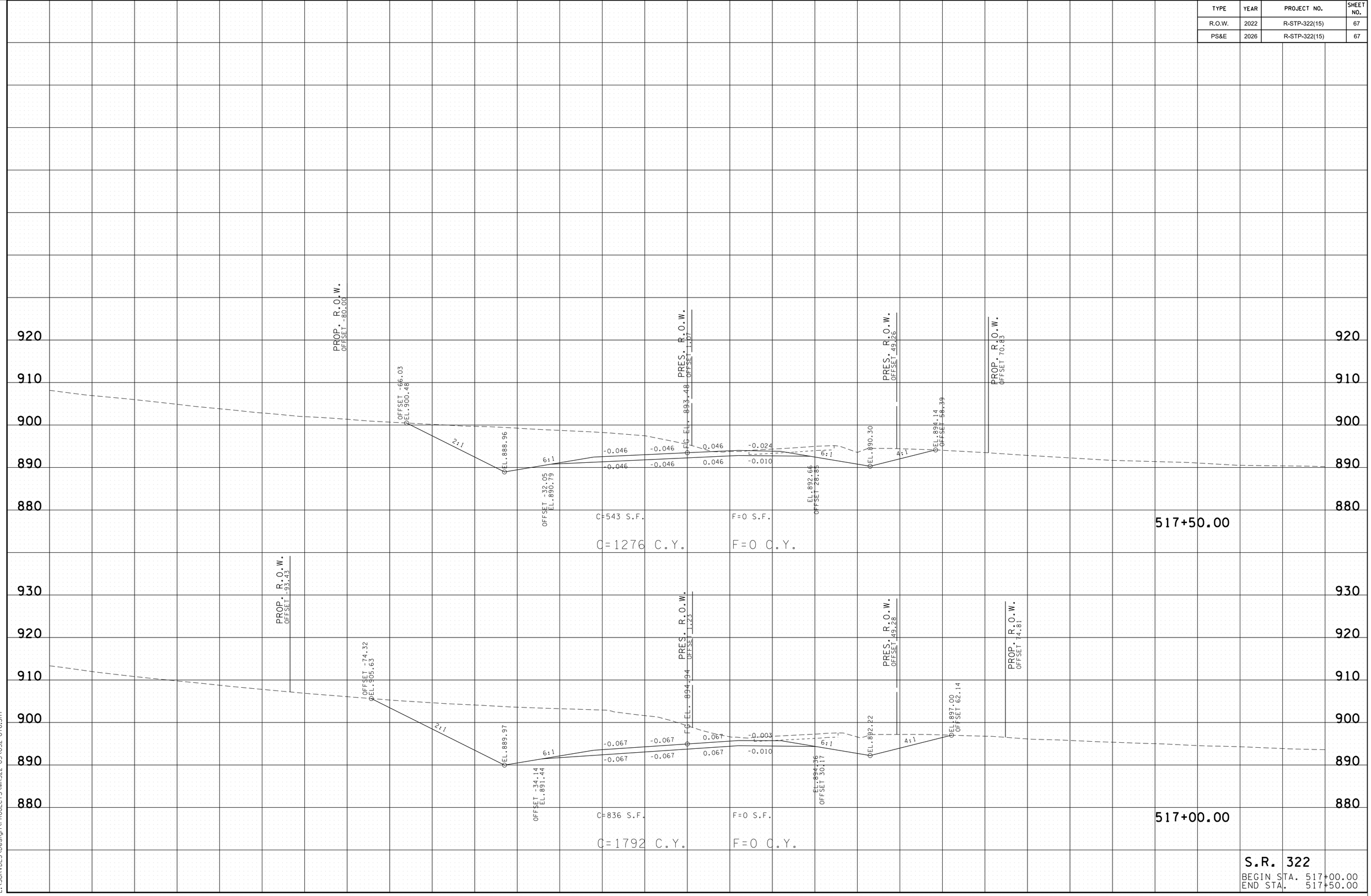
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	67
PS&E	2026	R-STP-322(15)	67



S.R. 322

BEGIN STA. 517+00.00
END STA. 517+50.00

2/24/2026 10:03:02 AM
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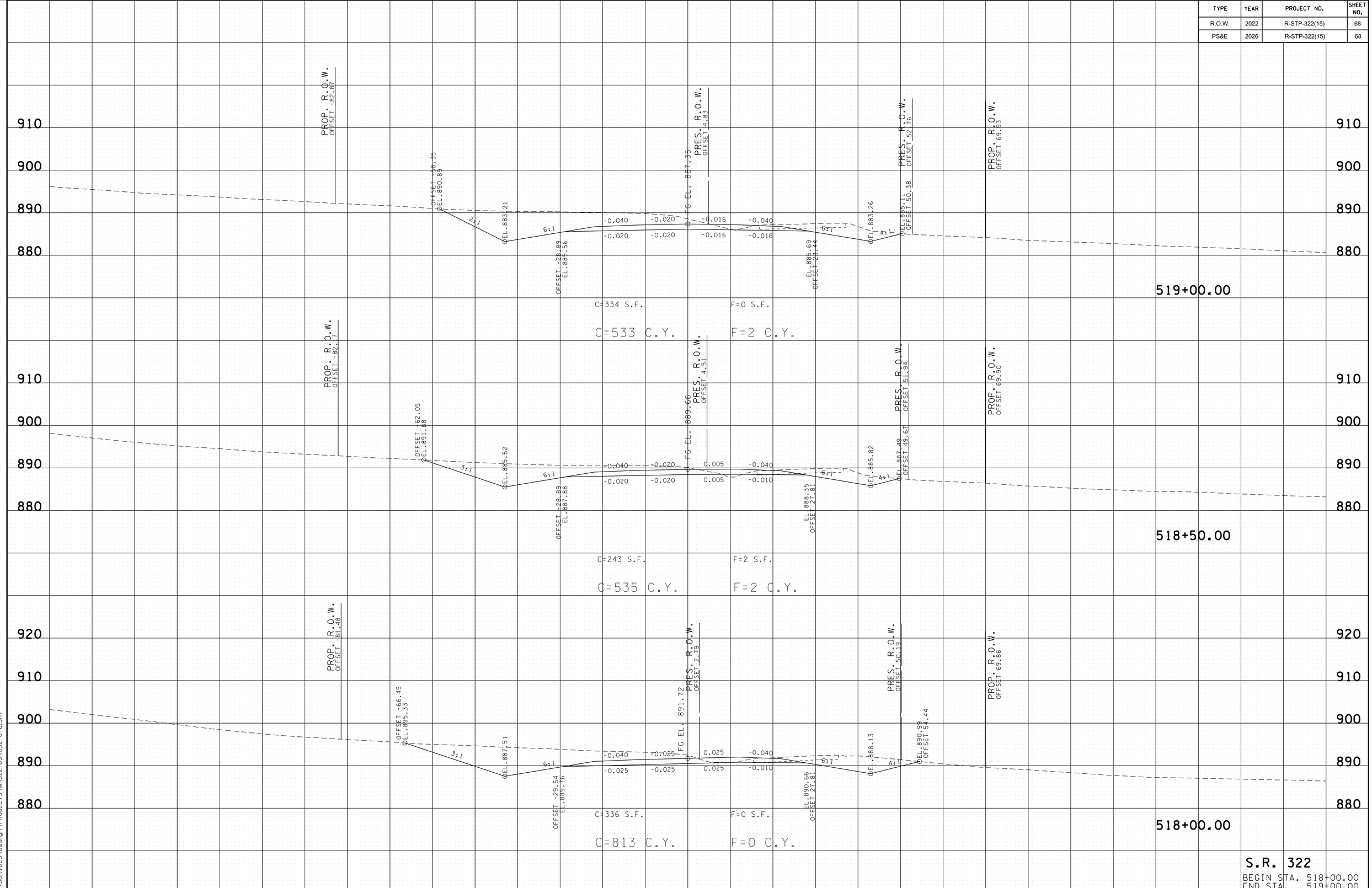
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	68
PS&E	2026	R-STP-322(15)	68



S.R. 322
BEGIN STA. 518+00.00
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2/24/2026 10:03:03 AM
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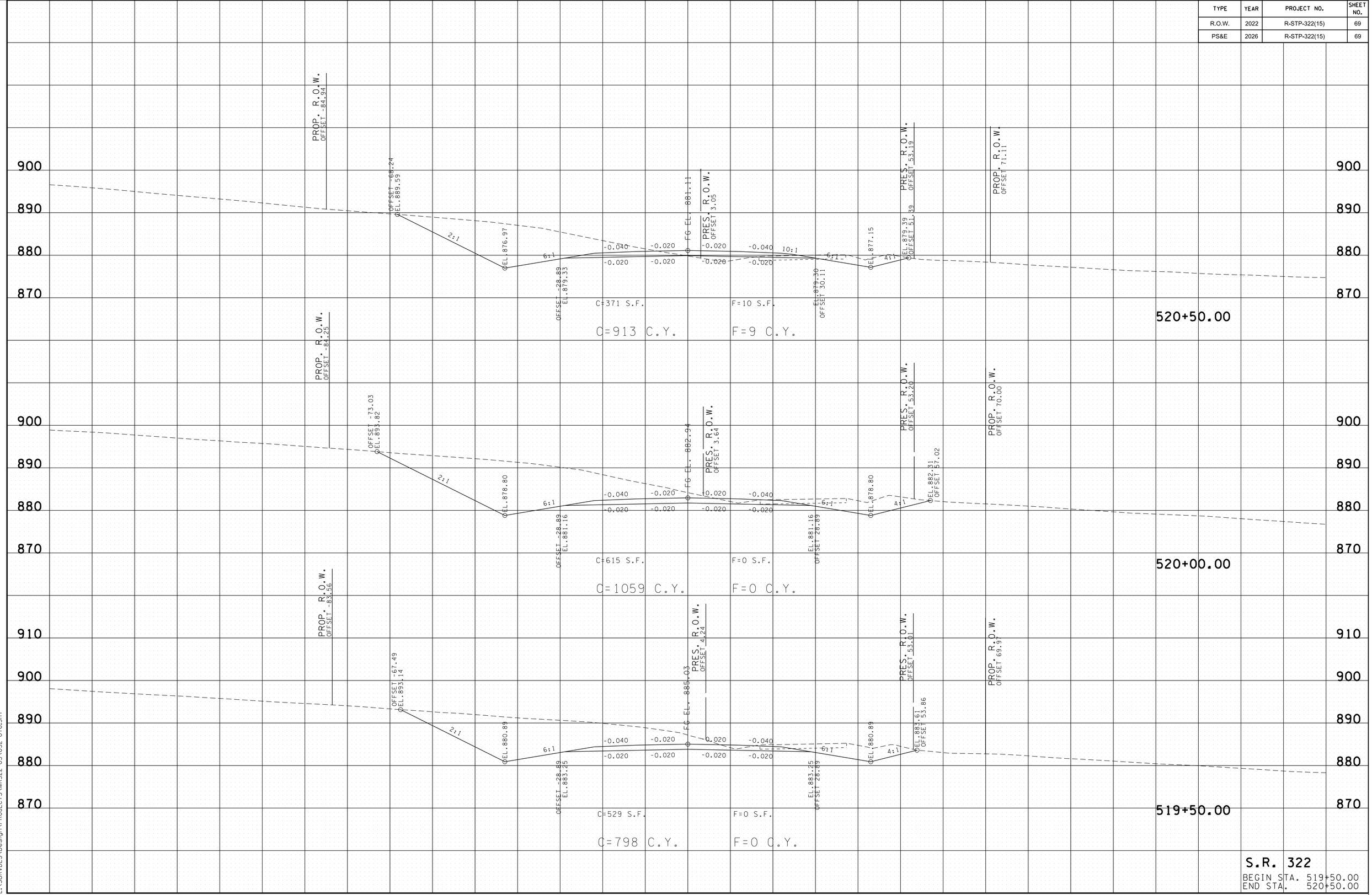
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	69
PS&E	2026	R-STP-322(15)	69



S.R. 322

BEGIN STA. 519+50.00
END STA. 520+50.00

2/24/2026 10:03:05 AM
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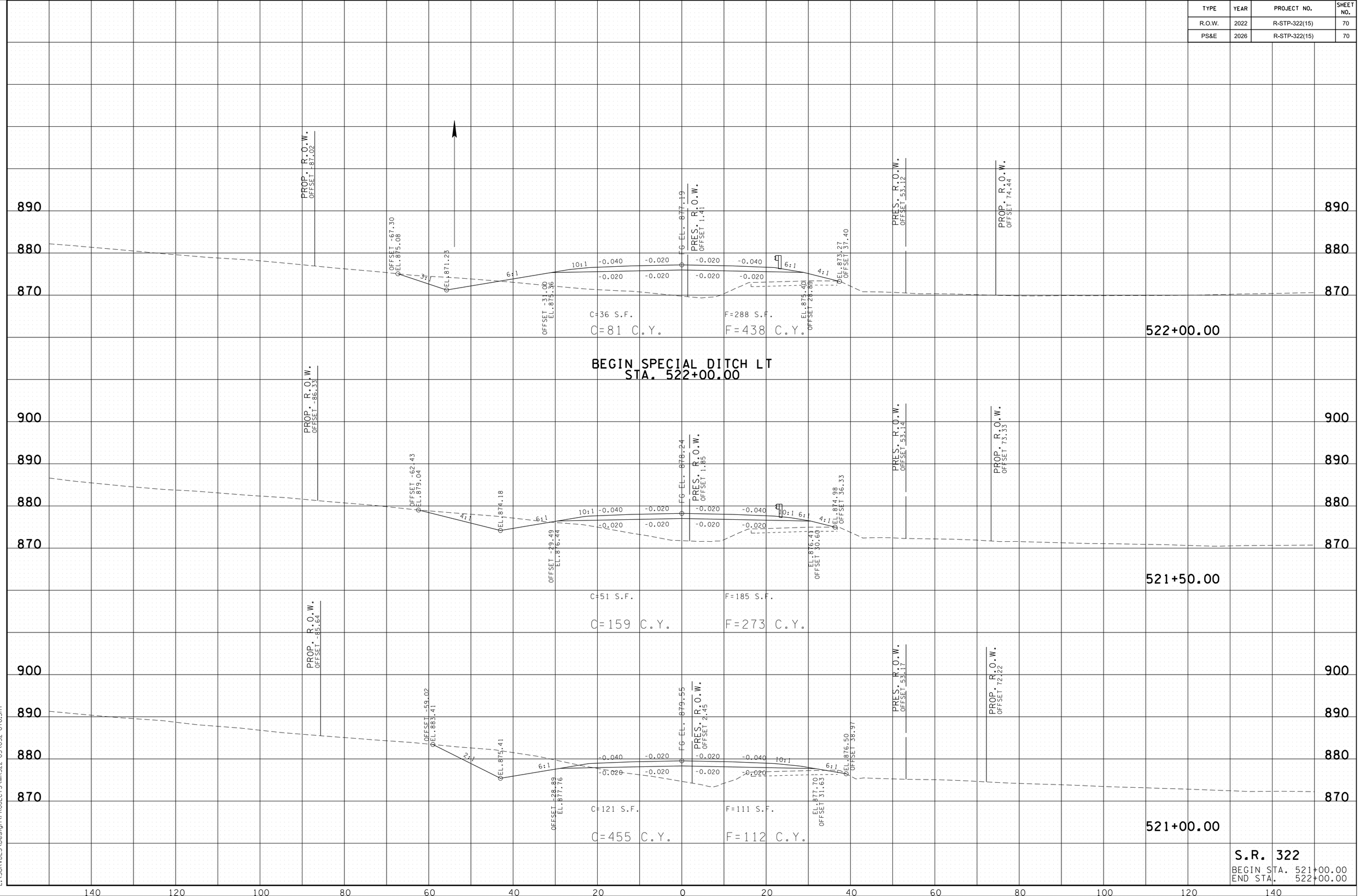
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	70
PS&E	2026	R-STP-322(15)	70



S.R. 322
BEGIN STA. 521+00.00
END STA. 522+00.00

2/24/2026 10:03:06 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	71
PS&E	2026	R-STP-322(15)	71

END SPECIAL DITCH LT
STA. 523+50.00

PROP. R.O.W. OFFSET -89.10
OFFSET -60.23 EL. 864.64
EL. 864.00
6:1
3:1
-0.040 -0.020 -0.020 -0.040
-0.020 -0.020 -0.020 -0.020
FG EL. 875.60
PRES. R.O.W. OFFSET 1.98
OFFSET -28.89 EL. 873.81
EL. 873.81 OFFSET 28.89
6:1
4:1
EL. 872.18 OFFSET 35.41
PRES. R.O.W. OFFSET 53.04
PROP. R.O.W. OFFSET 77.78
523+50.00
C=2 S.F. F=495 S.F.
C=15 C.Y. F=919 C.Y.

PROP. CROSS DRAIN 109' - 60" RCP
STA. 523+40.00 - FLOWS LT

PROP. R.O.W. OFFSET -88.41
OFFSET -65.04 EL. 866.78
EL. 864.50
6:1 10:1
3:1
-0.040 -0.020 -0.020 -0.040
-0.020 -0.020 -0.020 -0.020
FG EL. 875.87
PRES. R.O.W. OFFSET 1.79
OFFSET -29.49 EL. 874.07
EL. 874.08 OFFSET 28.89
6:1
4:1
EL. 872.02 OFFSET 37.14
PRES. R.O.W. OFFSET 53.07
PROP. R.O.W. OFFSET 76.67
523+00.00
C=14 S.F. F=498 S.F.
C=30 C.Y. F=827 C.Y.

PROP. R.O.W. OFFSET -87.71
OFFSET -62.56 EL. 869.96
EL. 867.01
6:1 10:1
3:1
-0.040 -0.020 -0.020 -0.040
-0.020 -0.020 -0.020 -0.020
FG EL. 876.40
PRES. R.O.W. OFFSET 1.60
OFFSET -31.04 EL. 874.57
EL. 874.61 OFFSET 28.89
6:1
4:1
EL. 872.44 OFFSET 37.01
PRES. R.O.W. OFFSET 53.09
PROP. R.O.W. OFFSET 75.56
522+50.00
C=19 S.F. F=396 S.F.
C=51 C.Y. F=633 C.Y.

890 880 870 860

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

S.R. 322
BEGIN STA. 522+50.00
END STA. 523+50.00

2/24/2026 10:03:08 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	72
PS&E	2026	R-STP-322(15)	72

525+00.00

PROP. R.O.W. OFFSET -71.62

OFFSET -51.29 EL. 867.10

3:1

6:1

OFFSET -28.89 EL. 874.57

-0.040 -0.020 -0.020 -0.040

-0.020 -0.020 -0.020 -0.020

FG EL. 876.35

PRES. R.O.W. OFFSET 2.55

10:1

6:1

EL. 874.53 OFFSET 30.50

EL. 872.45

2:1

PRES. R.O.W. OFFSET 52.96

EL. 881.76 OFFSET 61.62

PROP. R.O.W. OFFSET 78.33

C=69 S.F.

C=96 C.Y.

F=127 S.F.

F=464 C.Y.

524+50.00

PROP. R.O.W. OFFSET -82.43

OFFSET -71.42 EL. 863.42

4:1

6:1

OFFSET -28.89 EL. 874.05

-0.040 -0.020 -0.020 -0.040

-0.020 -0.020 -0.020 -0.020

FG EL. 875.84

PRES. R.O.W. OFFSET 2.36

10:1

6:1

EL. 873.99 OFFSET 32.03

EL. 872.16

3:1

PRES. R.O.W. OFFSET 52.99

EL. 877.27 OFFSET 58.32

PROP. R.O.W. OFFSET 80.00

C=34 S.F.

C=37 C.Y.

F=374 S.F.

F=800 C.Y.

524+00.00

PROP. R.O.W. OFFSET -83.79

OFFSET -68.96 EL. 863.78

4:1

6:1

OFFSET -28.89 EL. 873.80

-0.040 -0.020 -0.020 -0.040

-0.020 -0.020 -0.020 -0.020

FG EL. 875.59

PRES. R.O.W. OFFSET 2.17

10:1

6:1

EL. 873.77 OFFSET 30.37

EL. 871.45

4:1

EL. 872.70 OFFSET 47.11

PRES. R.O.W. OFFSET 53.0

PROP. R.O.W. OFFSET 78.89

C=5 S.F.

C=6 C.Y.

F=490 S.F.

F=912 C.Y.

890 880 870 860

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

S.R. 322

BEGIN STA. 524+00.00
END STA. 525+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	73
PS&E	2026	R-STP-322(15)	73

526+50.00

PROP. R.O.W. OFFSET -63.09
OFFSET -44.77 EL.873.12
3:1 6:1 10:1
OFFSET -31.30 EL.877.61
-0.040 -0.020 -0.020 -0.020
FG EL. 879.45
PRES. R.O.W. OFFSET 3.12
-0.020 -0.020 -0.020 -0.040
6:1
EL.877.66 OFFSET 28.89
EL.875.31
4:1
PRES. R.O.W. OFFSET 52.18
EL.879.59 OFFSET 60.12
PROP. R.O.W. OFFSET 73.33

C=84 S.F.
C=171 C.Y.
F=110 S.F.
F=115 C.Y.

526+00.00

PROP. R.O.W. OFFSET -50.00
OFFSET -36.80 EL.874.30
3:1 6:1 10:1
OFFSET -30.70 EL.876.33
-0.040 -0.020 -0.020 -0.020
FG EL. 878.16
PRES. R.O.W. OFFSET 2.93
-0.020 -0.020 -0.020 -0.040
6:1
EL.876.37 OFFSET 28.89
EL.874.02
4:1
PRES. R.O.W. OFFSET 51.95
EL.879.55 OFFSET 59.61
PROP. R.O.W. OFFSET 75.00

C=101 S.F.
C=187 C.Y.
F=14 S.F.
F=45 C.Y.

525+50.00

PROP. R.O.W. OFFSET -60.81
OFFSET -41.24 EL.871.25
3:1 6:1 10:1
OFFSET -28.94 EL.875.34
-0.040 -0.020 -0.020 -0.020
FG EL. 877.12
PRES. R.O.W. OFFSET 2.74
-0.020 -0.020 -0.020 -0.040
6:1
EL.875.34 OFFSET 28.89
EL.872.98
4:1
PRES. R.O.W. OFFSET 51.94
EL.878.43 OFFSET 64.76
PROP. R.O.W. OFFSET 76.67

C=101 S.F.
C=158 C.Y.
F=35 S.F.
F=150 C.Y.

890 880 870 860

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

S.R. 322
BEGIN STA. 525+50.00
END STA. 526+50.00

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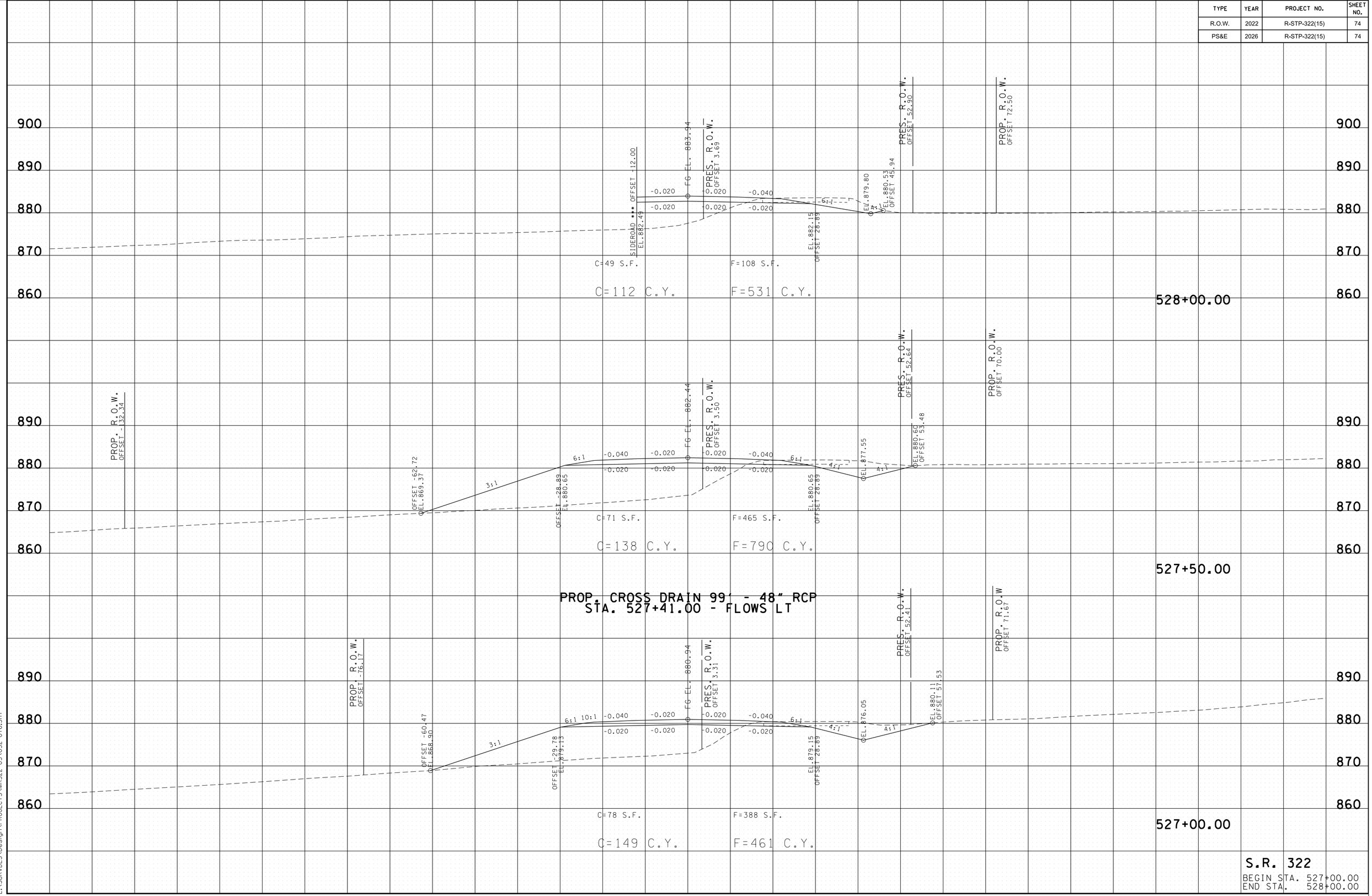
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	74
PS&E	2026	R-STP-322(15)	74



S.R. 322
BEGIN STA. 527+00.00
END STA. 528+00.00

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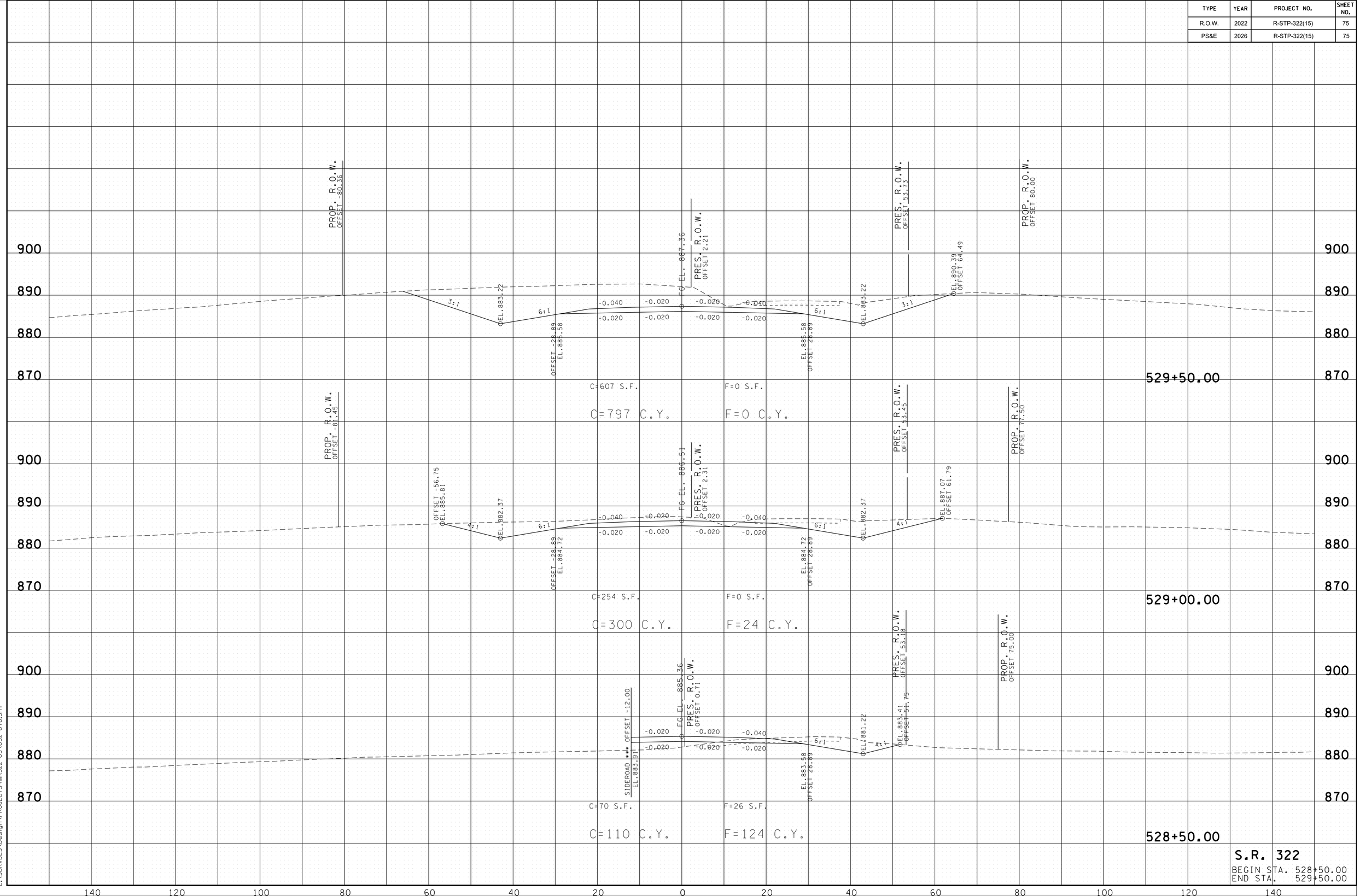
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	75
PS&E	2026	R-STP-322(15)	75



S.R. 322
BEGIN STA. 528+50.00
END STA. 529+50.00

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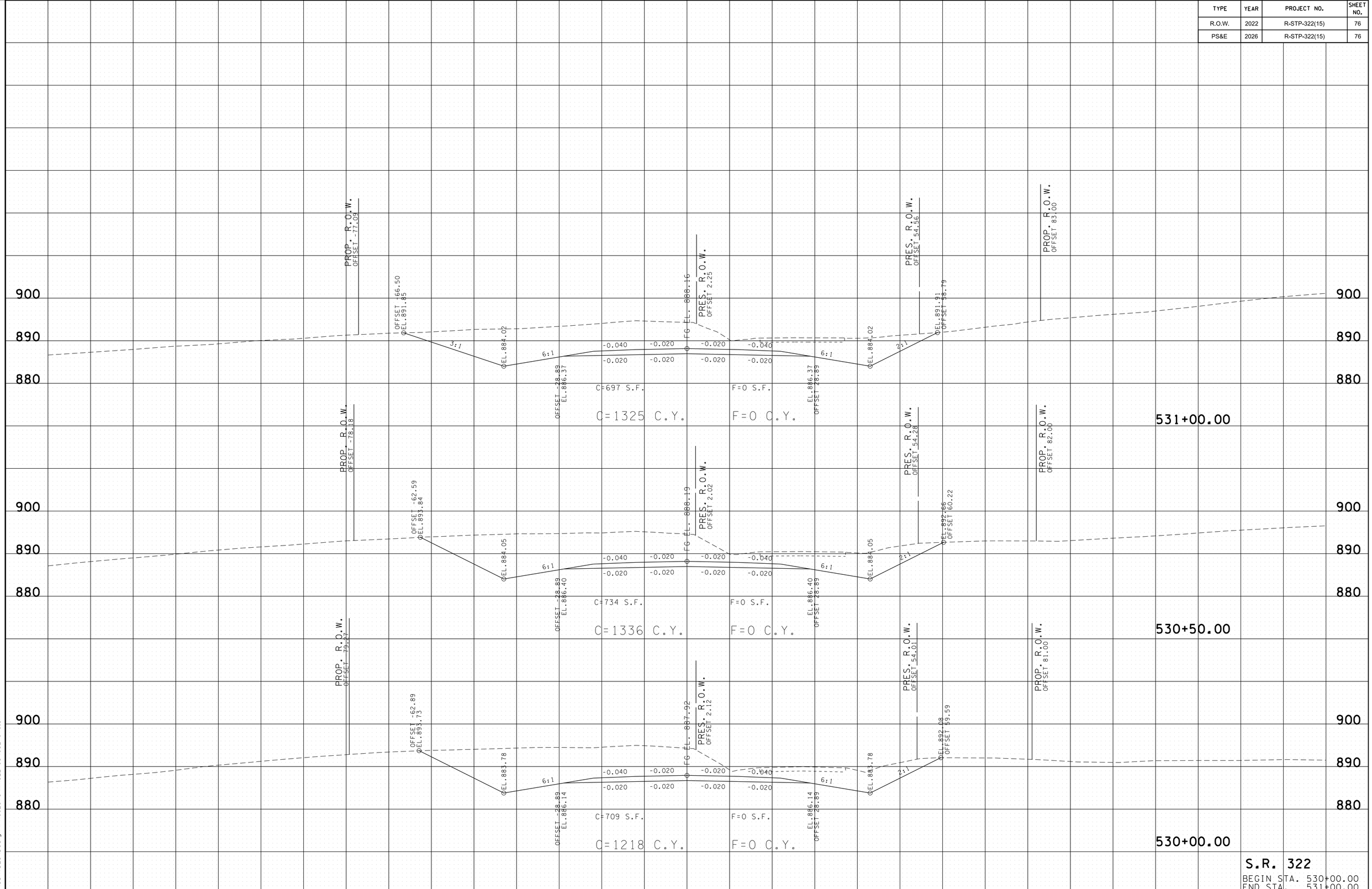
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	76
PS&E	2026	R-STP-322(15)	76



S.R. 322
BEGIN STA. 530+00.00
END STA. 531+00.00

2/24/2026 10:03:16 AM
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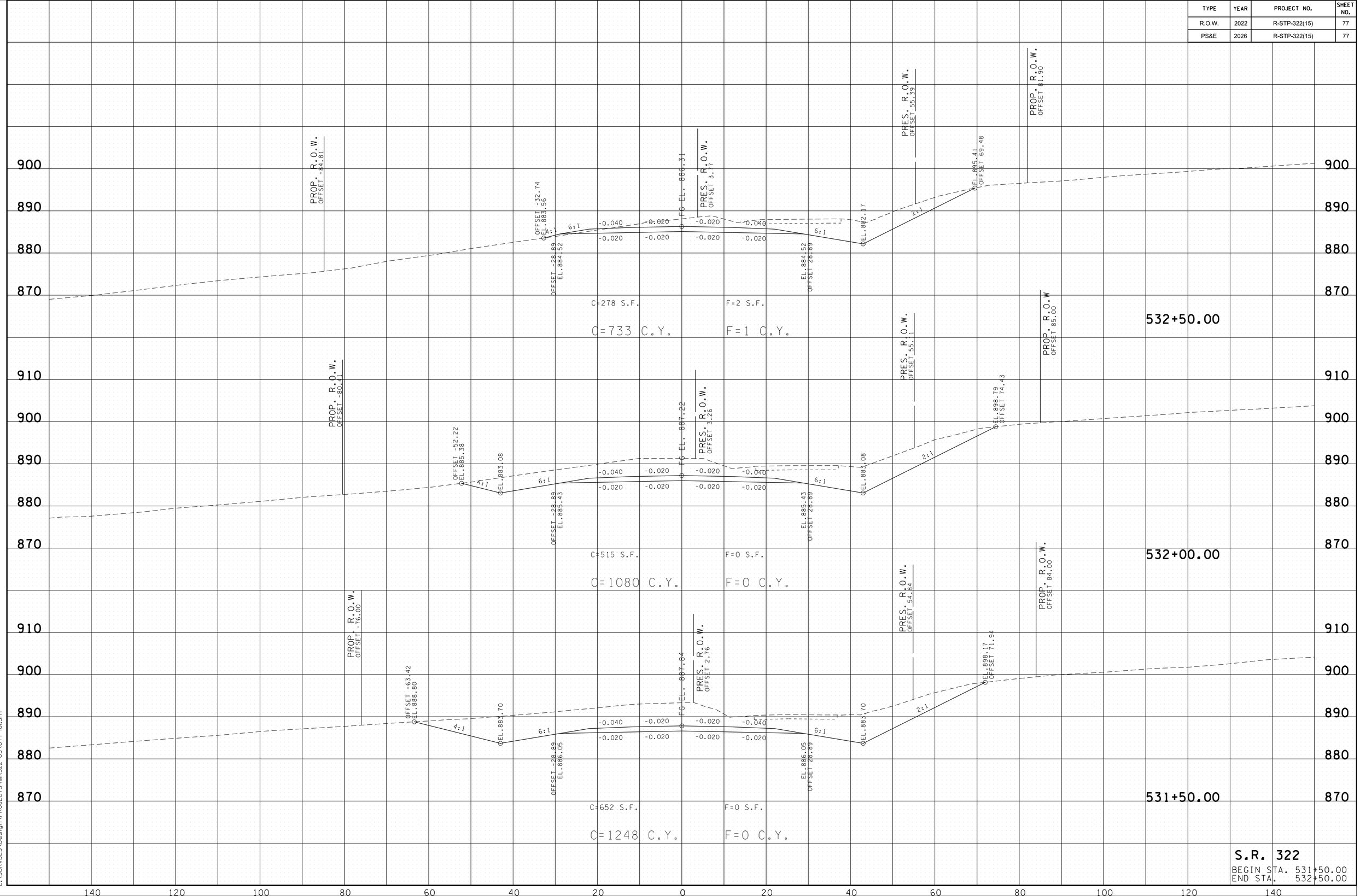
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	77
PS&E	2026	R-STP-322(15)	77



S.R. 322
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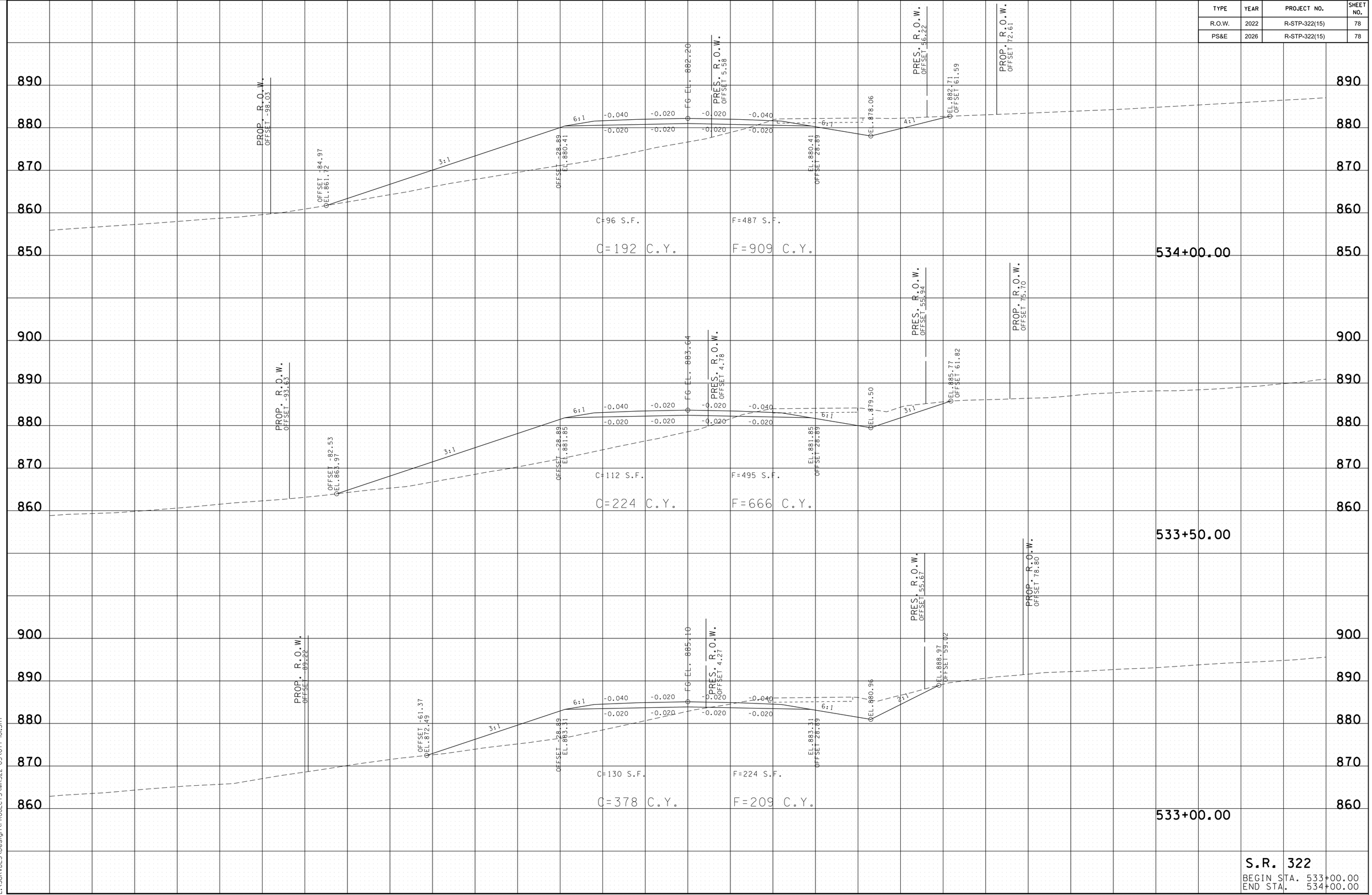
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	78
PS&E	2026	R-STP-322(15)	78



S.R. 322

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2/24/2026 10:03:19 AM
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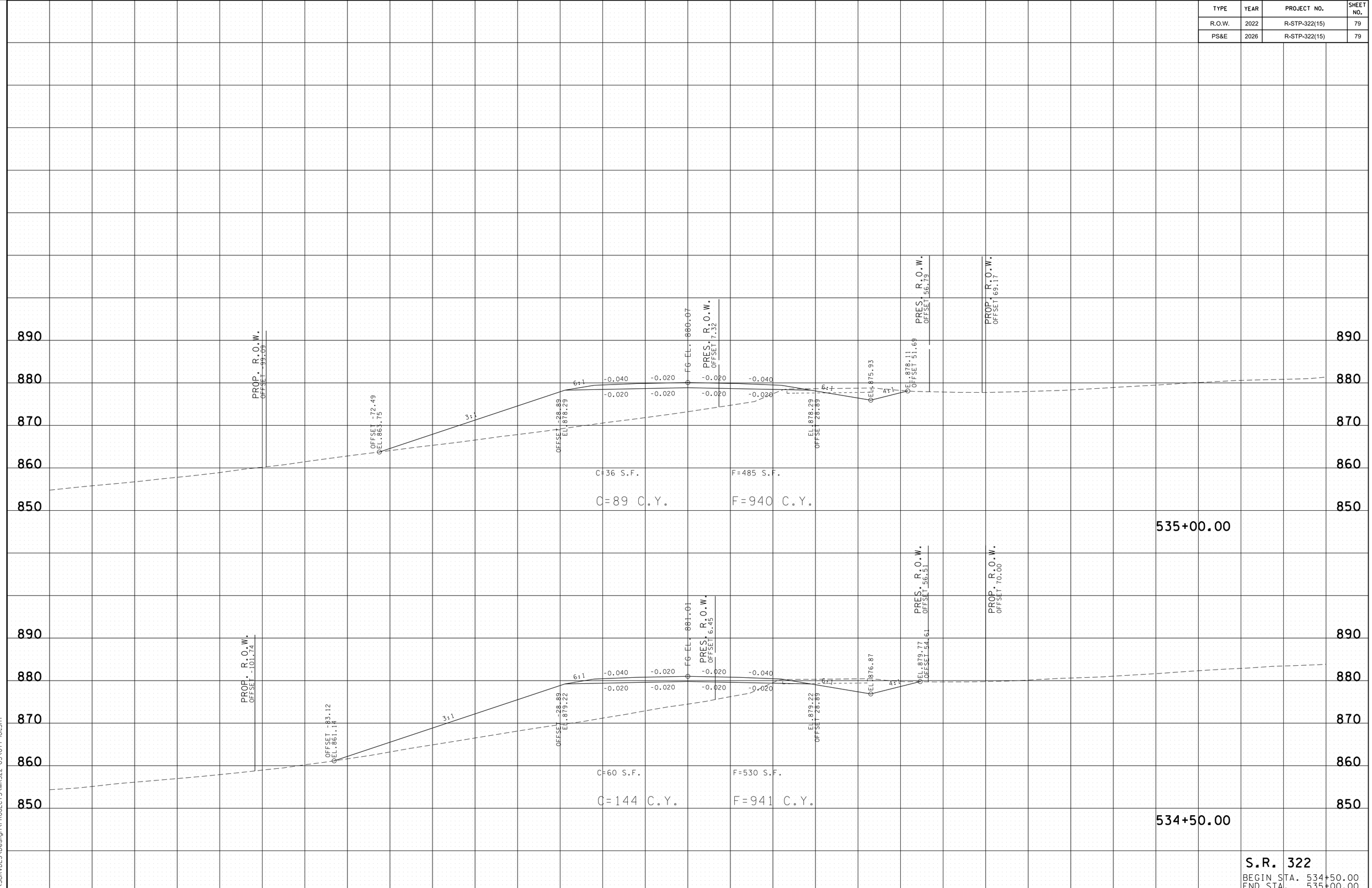
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	79
PS&E	2026	R-STP-322(15)	79



S.R. 322
BEGIN STA. 534+50.00
END STA. 535+00.00

2/24/2026 10:03:20 AM
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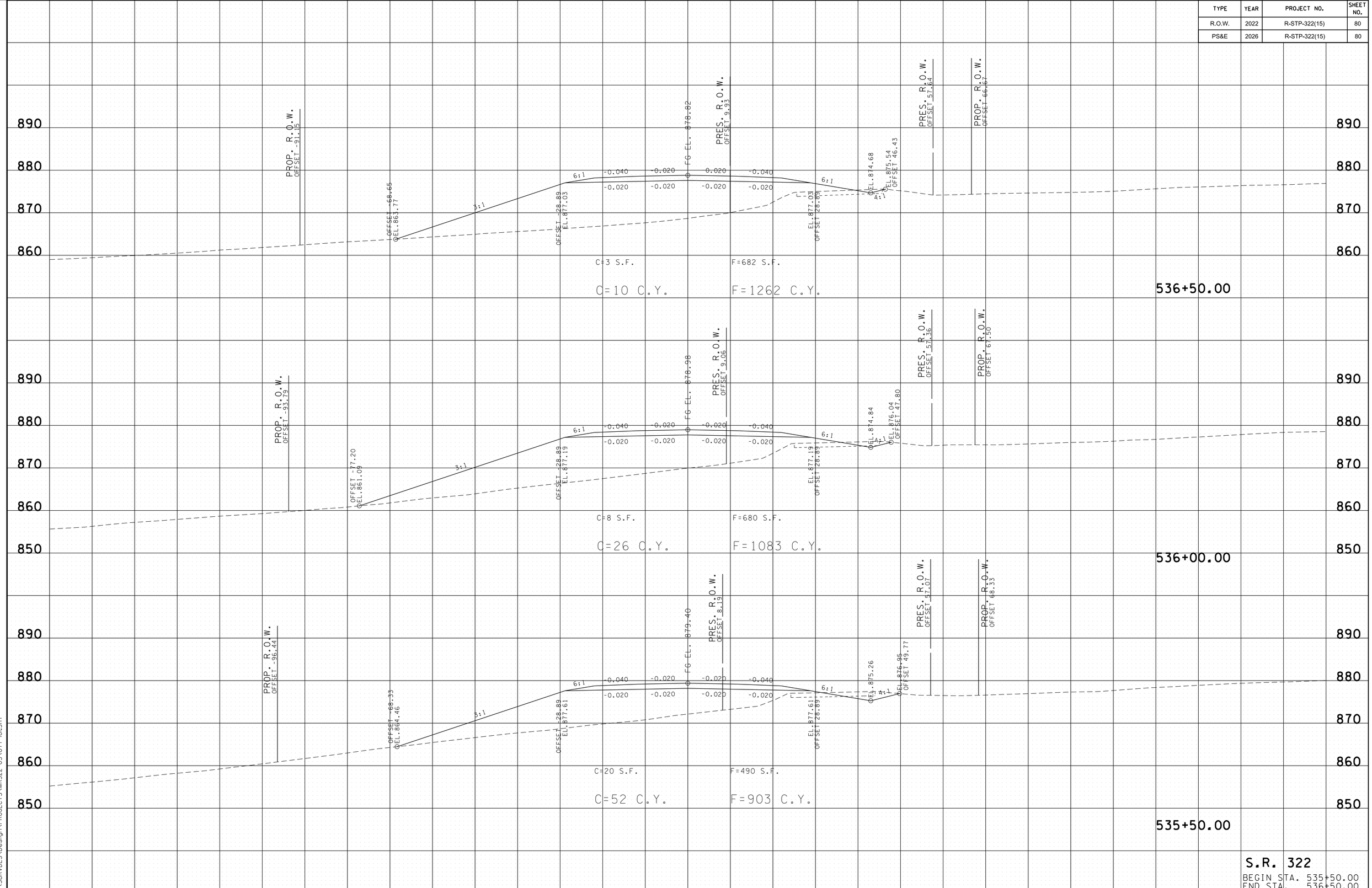
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	80
PS&E	2026	R-STP-322(15)	80



S.R. 322

BEGIN STA. 535+50.00
END STA. 536+50.00

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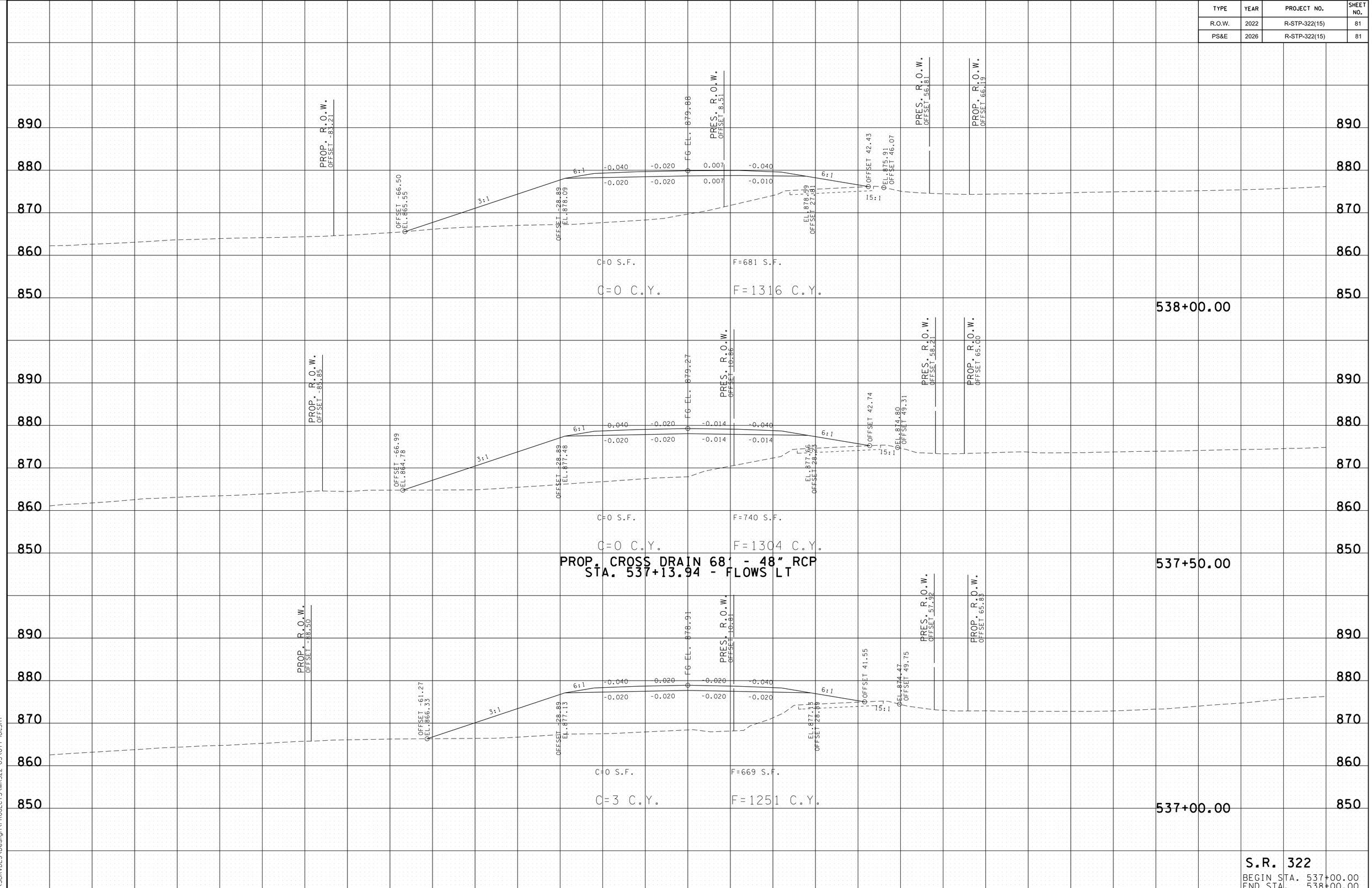
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	81
PS&E	2026	R-STP-322(15)	81



S.R. 322
BEGIN STA. 537+00.00
END STA. 538+00.00

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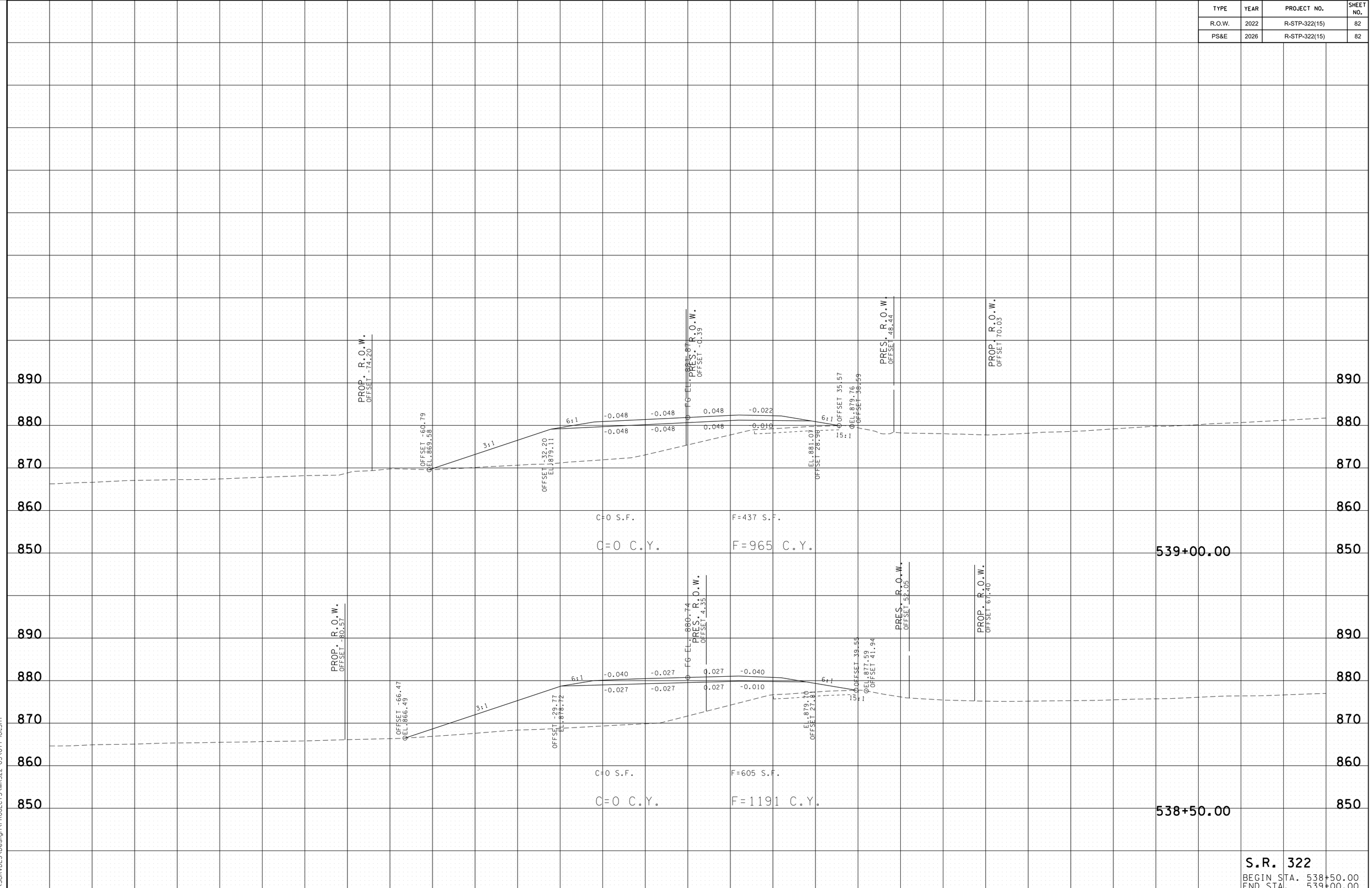
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	82
PS&E	2026	R-STP-322(15)	82



S.R. 322
BEGIN STA. 538+50.00
END STA. 539+00.00

2/24/2026 10:03:24 AM
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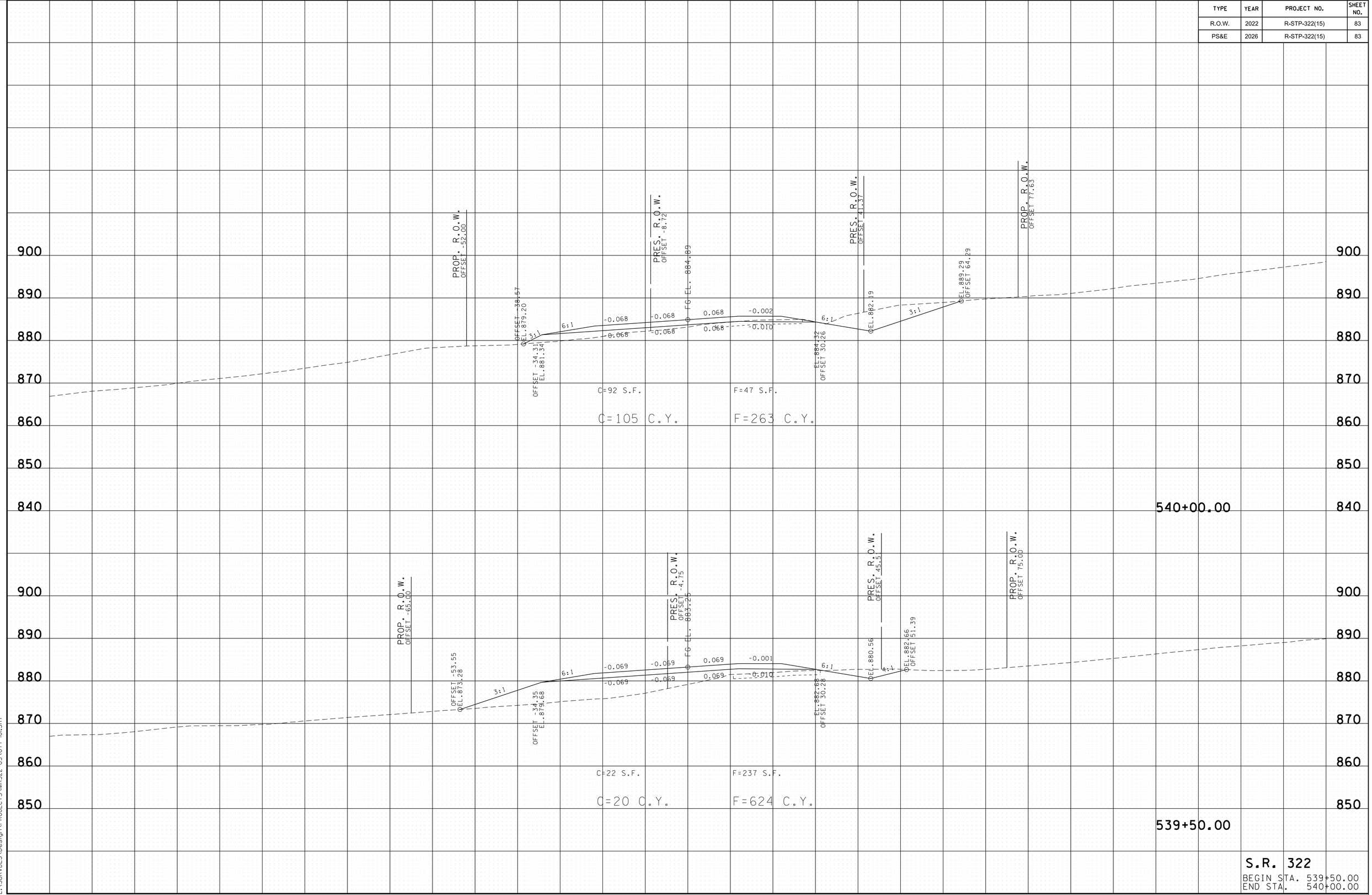
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	83
PS&E	2026	R-STP-322(15)	83



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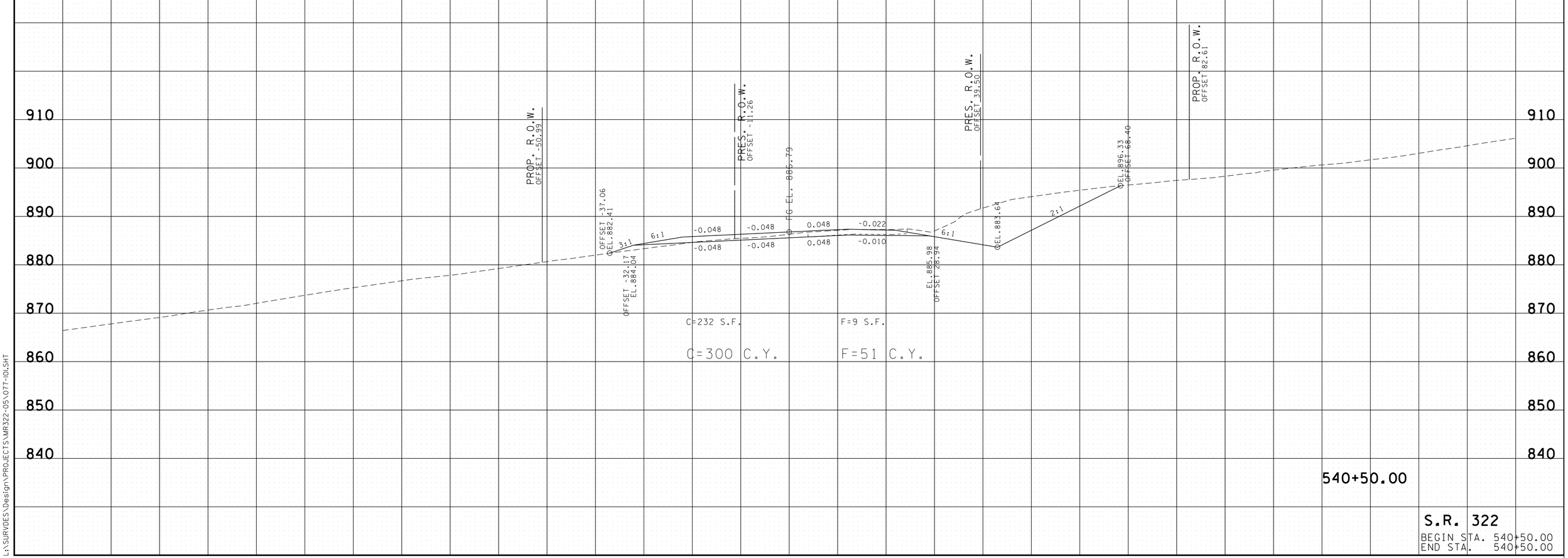
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	84
PS&E	2026	R-STP-322(15)	84



S.R. 322
BEGIN STA. 540+50.00
END STA. 540+50.00

2/24/2026 10:03:26 AM
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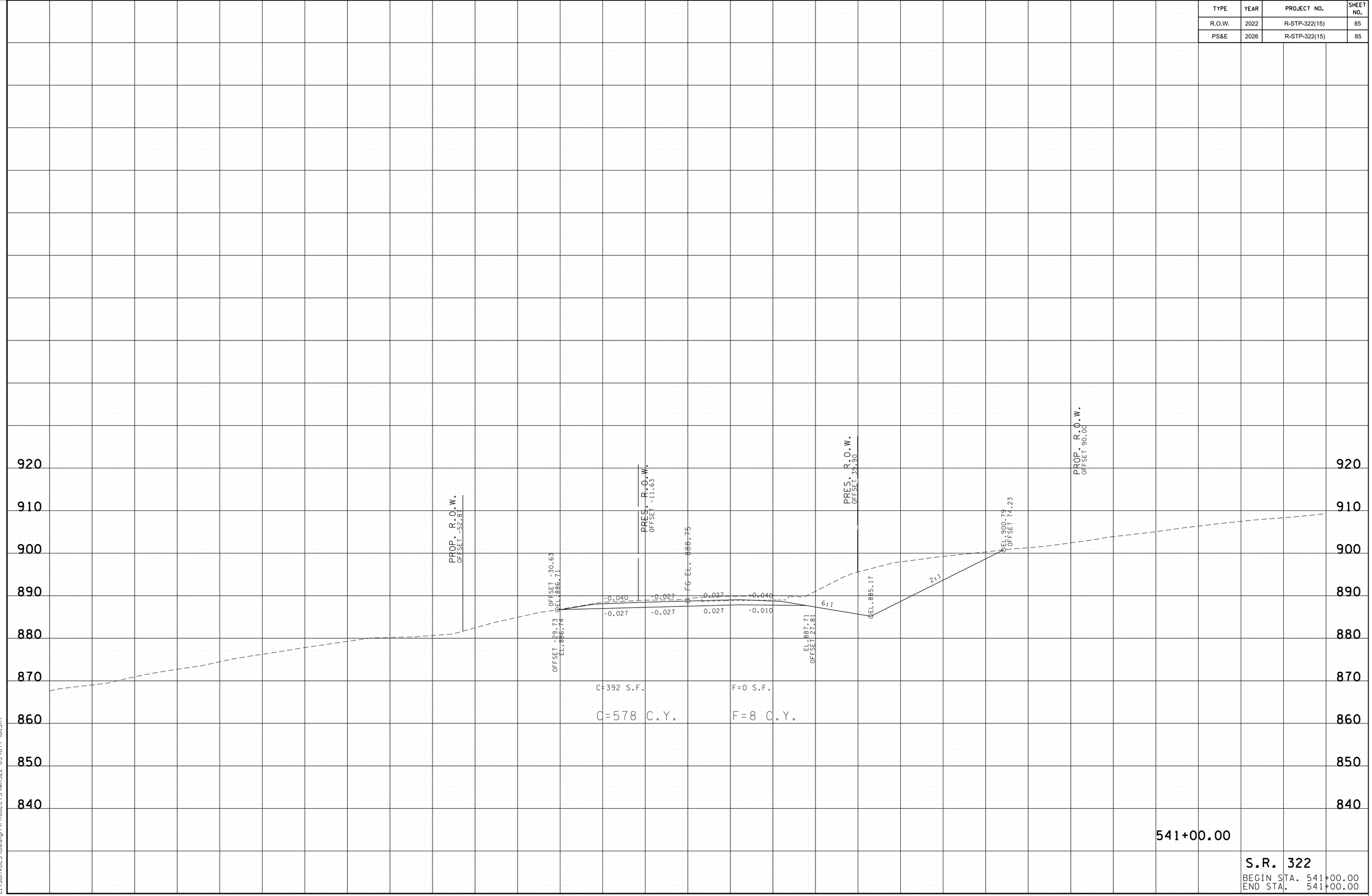
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	85
PS&E	2026	R-STP-322(15)	85



C=392 S.F. F=0 S.F.

C=578 C.Y. F=8 C.Y.

S.R. 322

BEGIN STA. 541+00.00
END STA. 541+00.00

2/24/2026 10:03:28 AM
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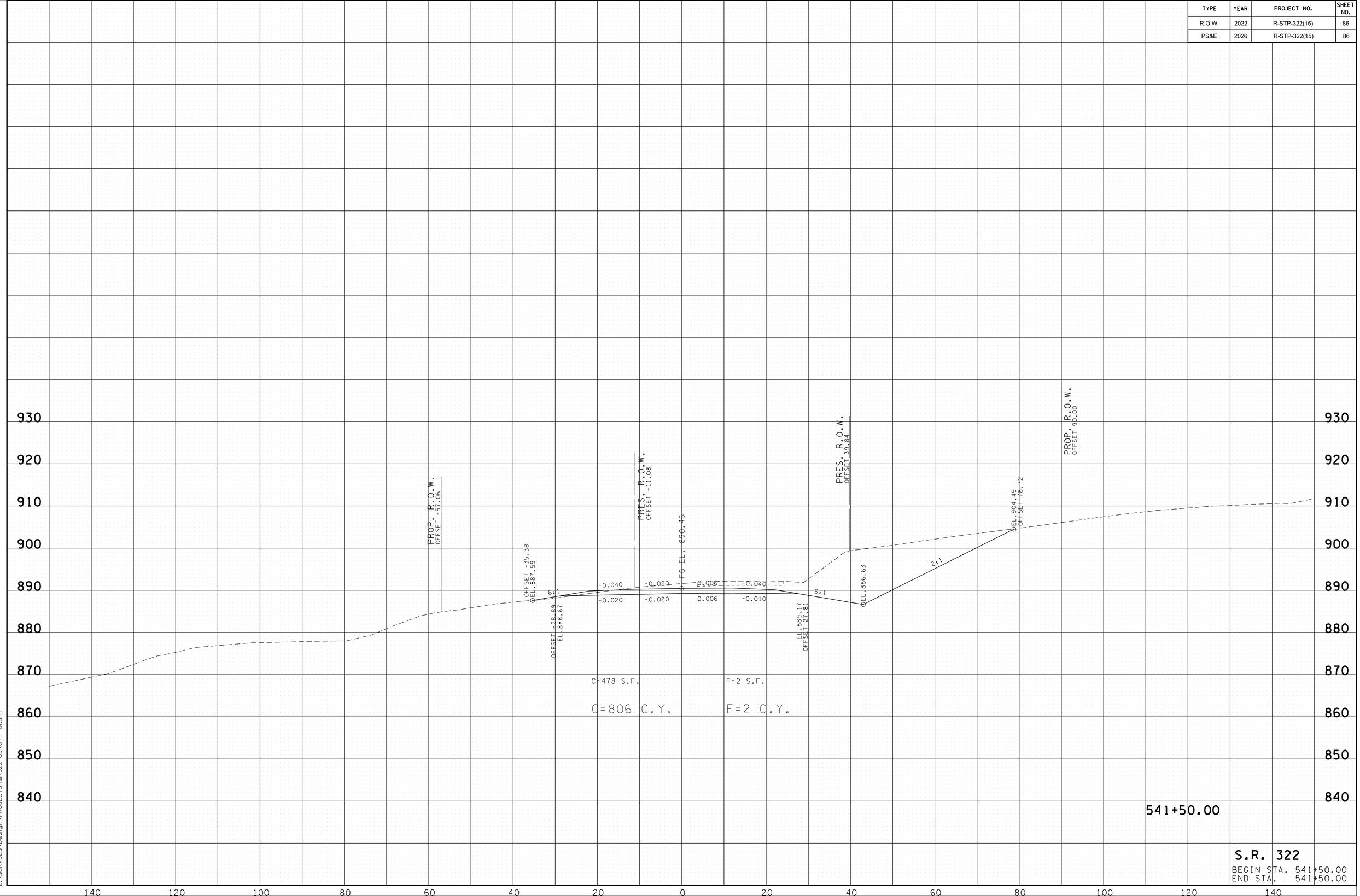
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	86
PS&E	2026	R-STP-322(15)	86



S.R. 322

BEGIN STA. 541+50.00
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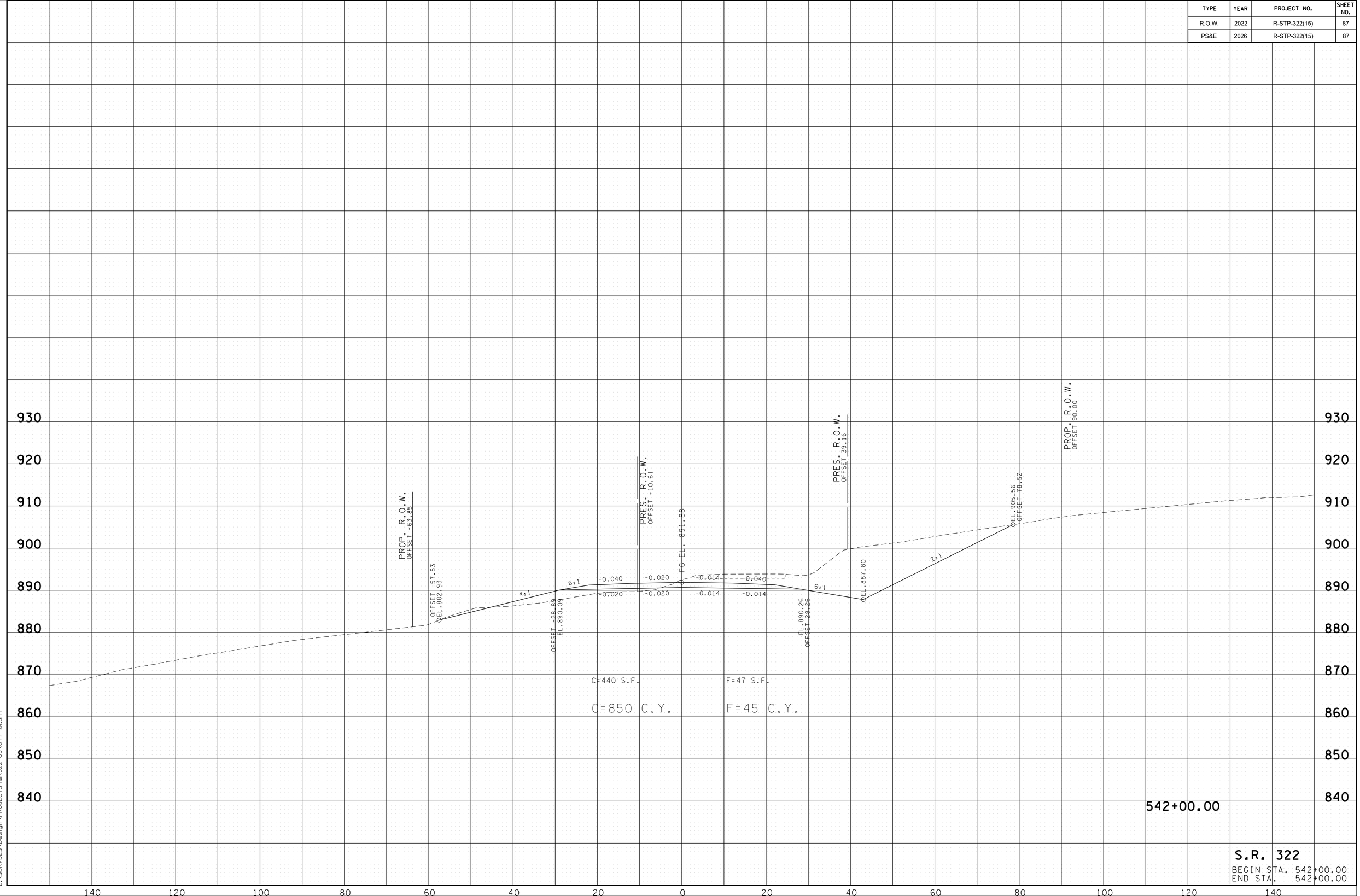
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	87
PS&E	2026	R-STP-322(15)	87



S.R. 322

BEGIN STA. 542+00.00

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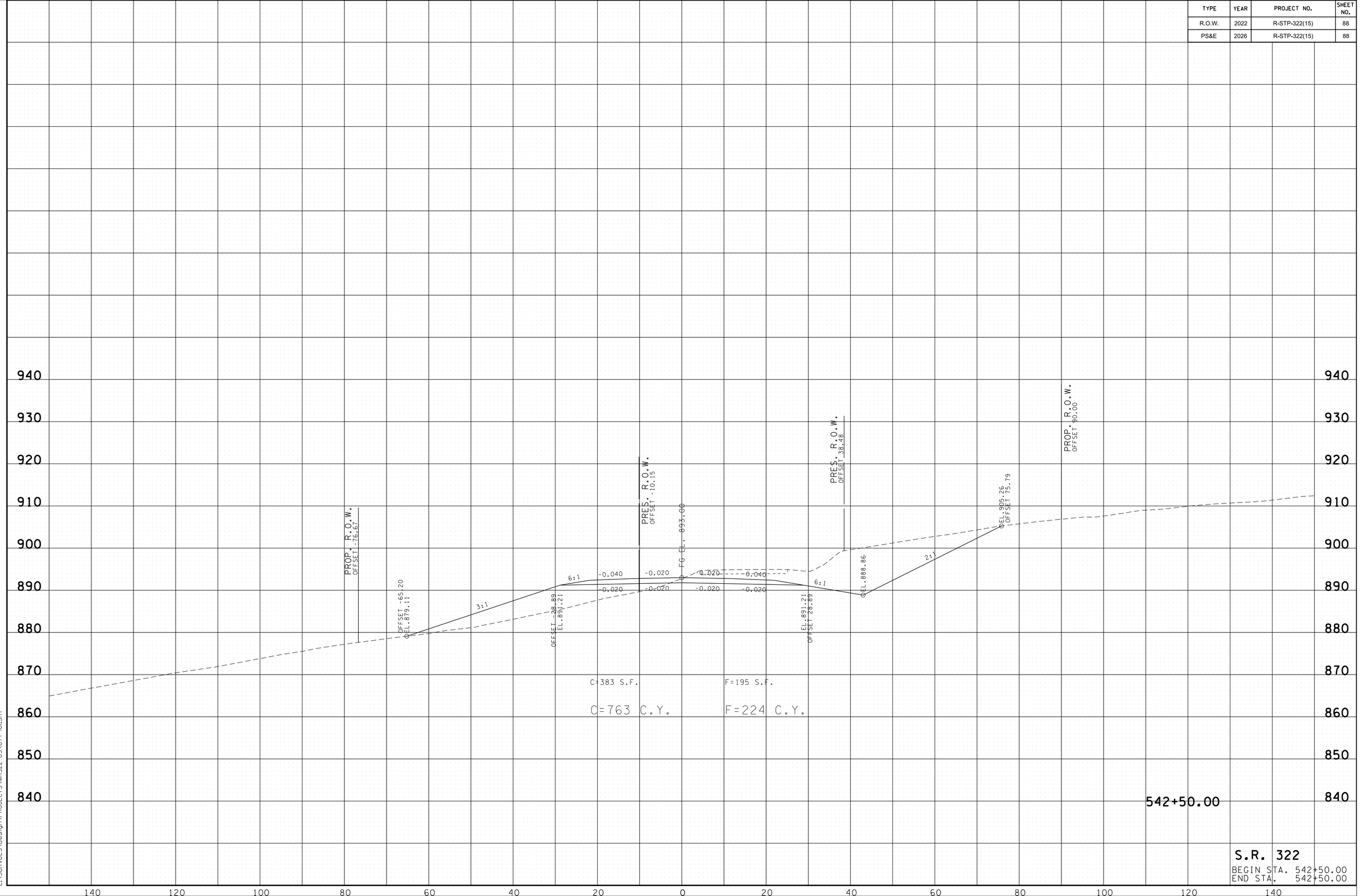
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	88
PS&E	2026	R-STP-322(15)	88



S.R. 322
BEGIN STA. 542+50.00
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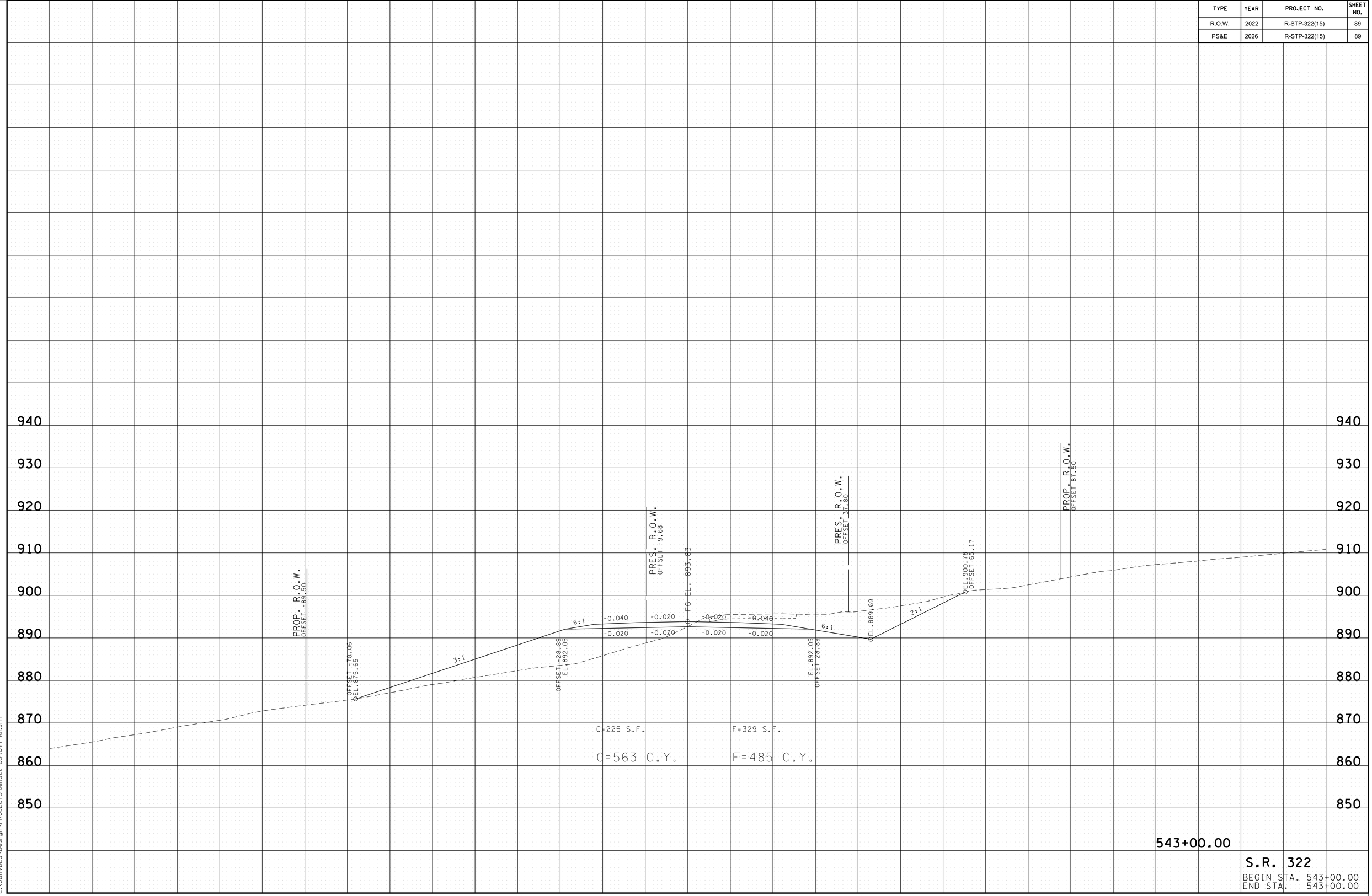
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	89
PS&E	2026	R-STP-322(15)	89



S.R. 322

BEGIN STA. 543+00.00
END STA. 543+00.00

2/24/2026 10:03:32 AM
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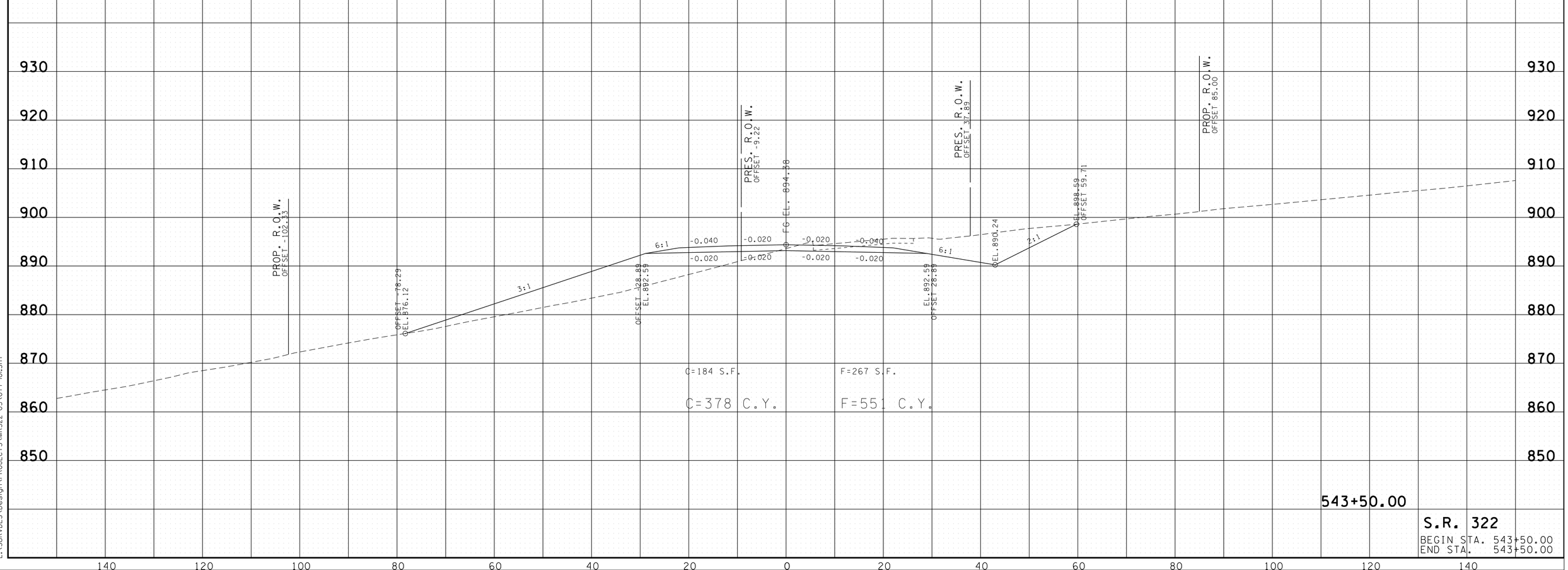
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	90
PS&E	2026	R-STP-322(15)	90



C=184 S.F.

C=378 C.Y.

F=267 S.F.

F=551 C.Y.

543+50.00

S.R. 322

BEGIN STA. 543+50.00
END STA. 543+50.00

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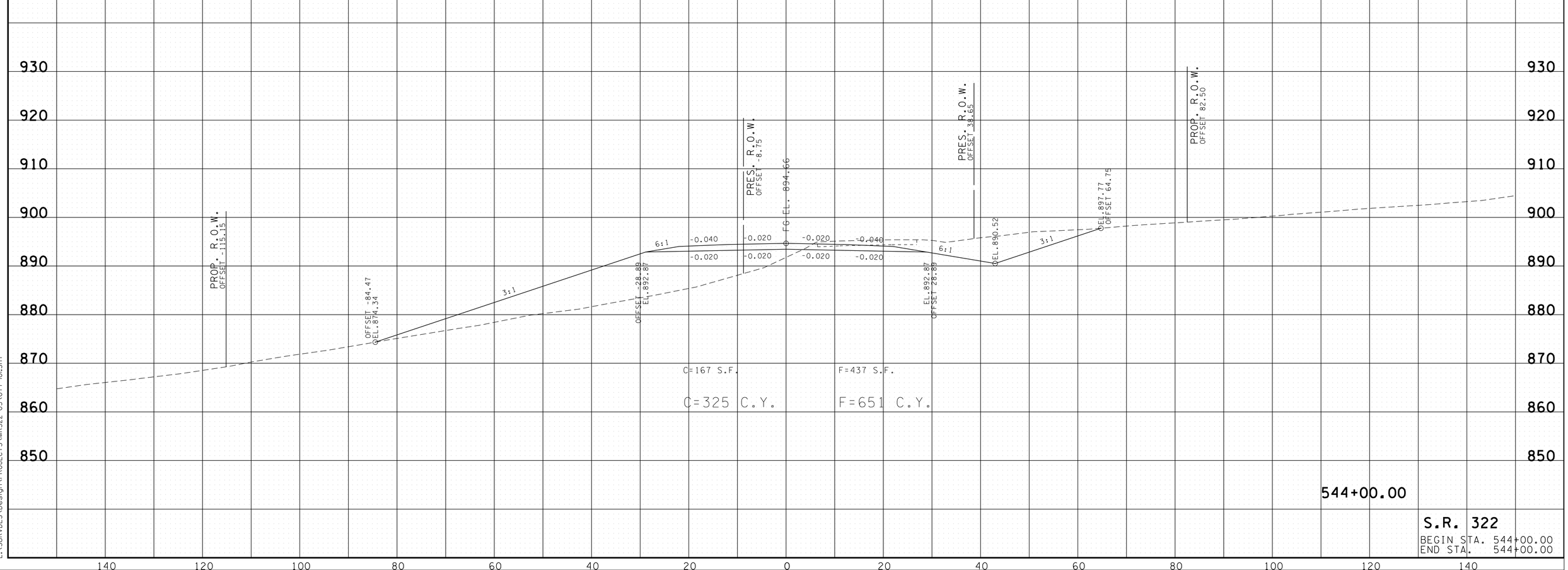
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	91
PS&E	2026	R-STP-322(15)	91



S.R. 322

BEGIN STA. 544+00.00

END STA. 544+00.00

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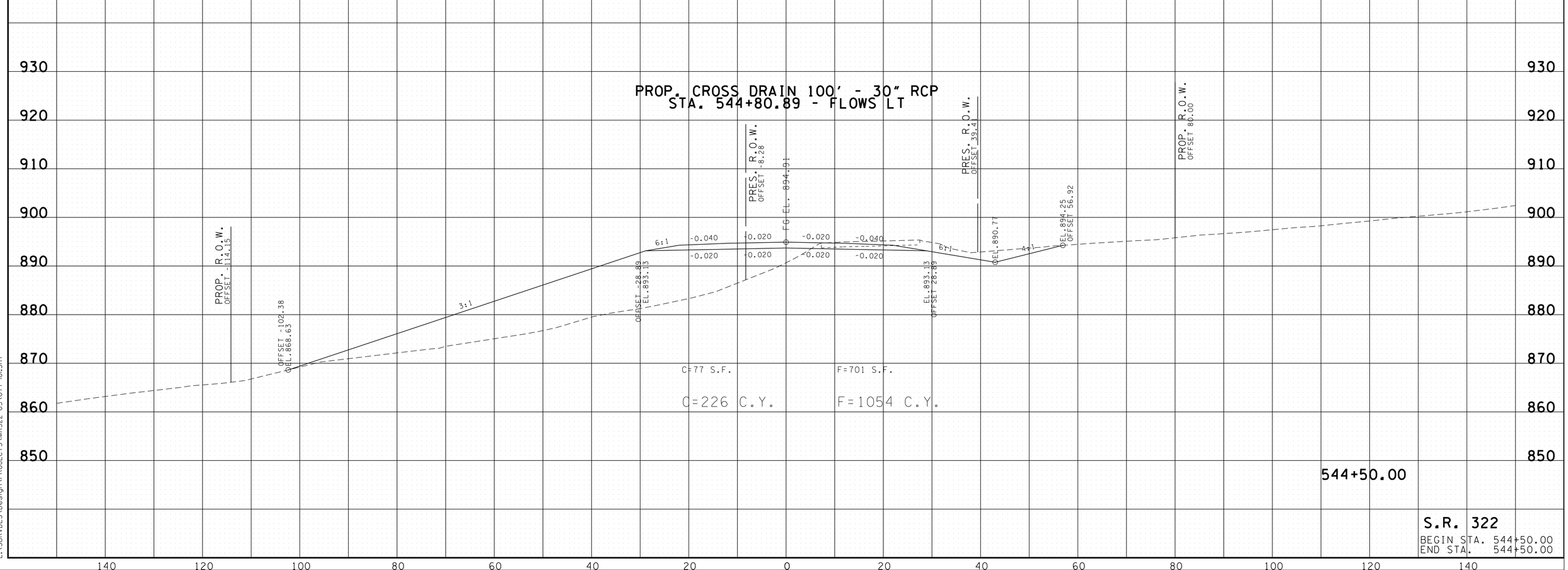
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	92
PS&E	2026	R-STP-322(15)	92



S.R. 322
BEGIN STA. 544+50.00
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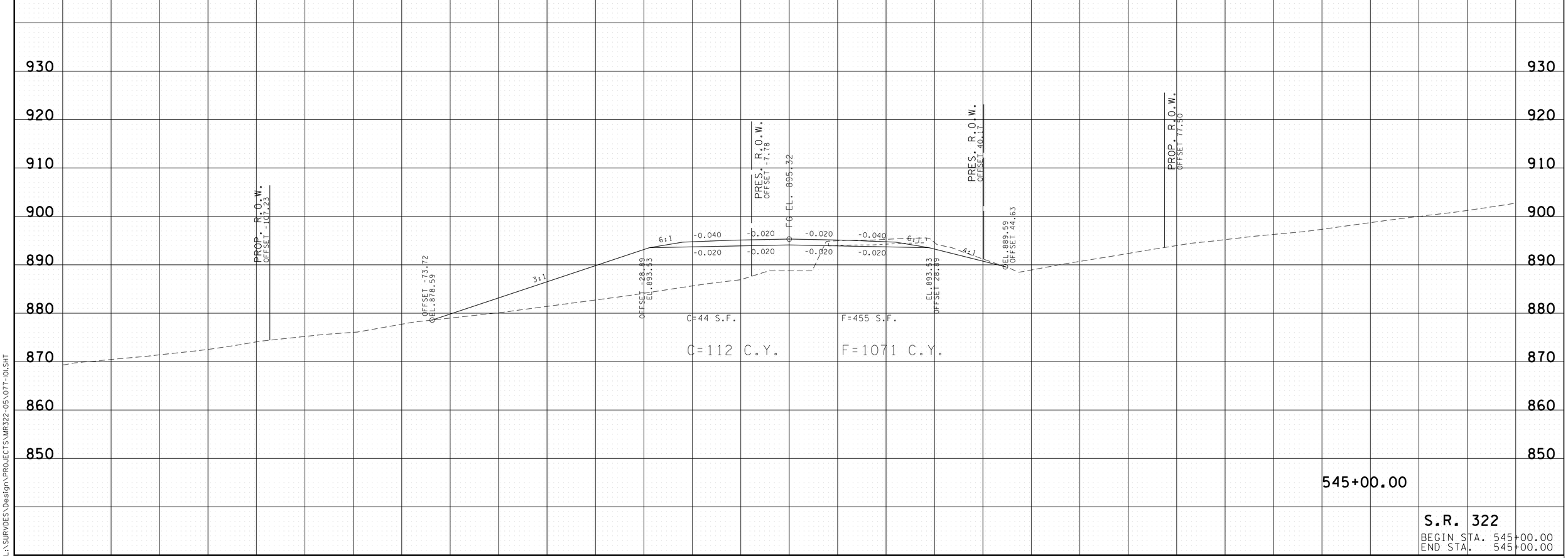
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	93
PS&E	2026	R-STP-322(15)	93



S.R. 322

BEGIN STA. 545+00.00
END STA. 545+00.00

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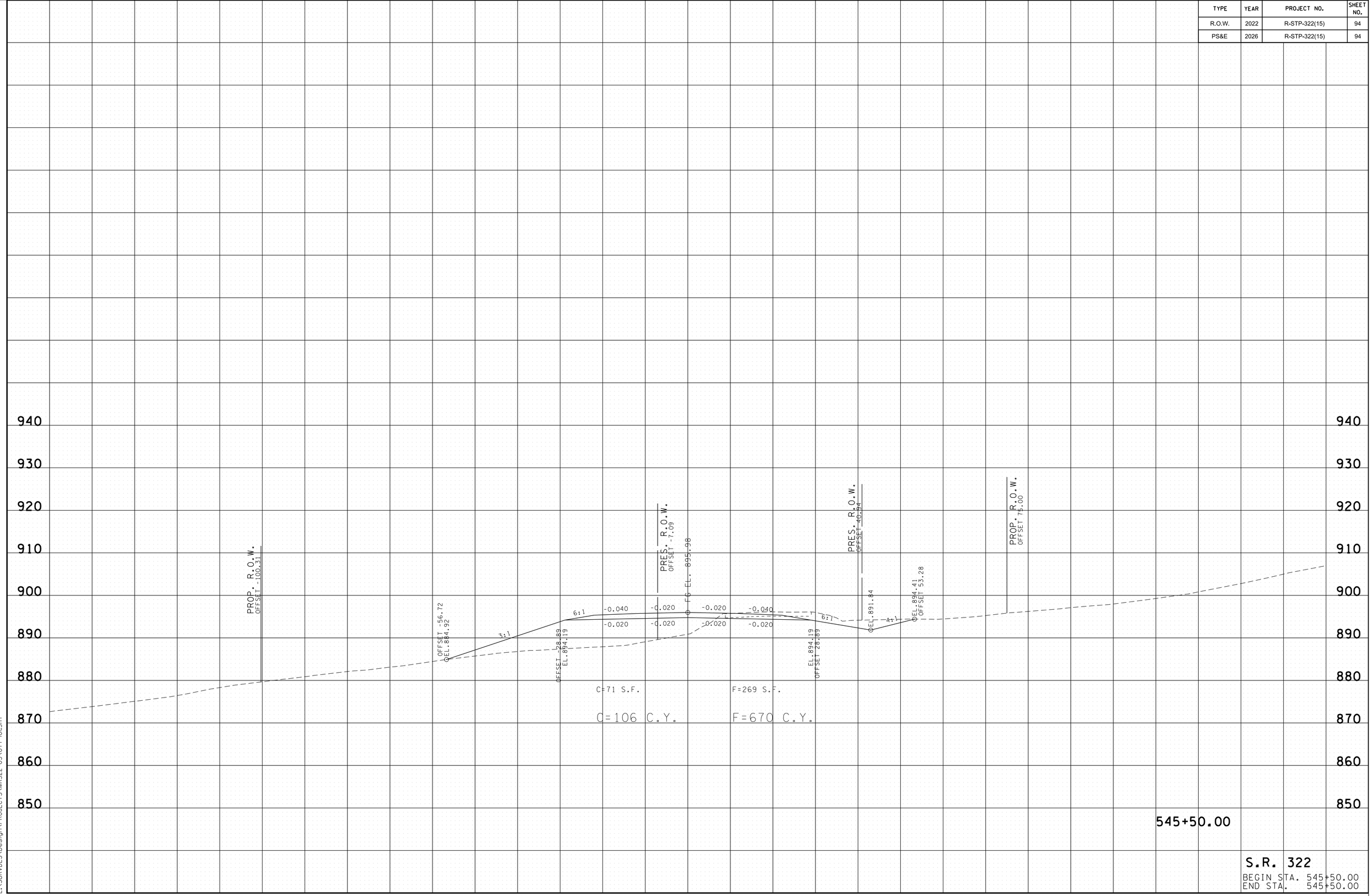
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	94
PS&E	2026	R-STP-322(15)	94



S.R. 322
BEGIN STA. 545+50.00
END STA. 545+50.00

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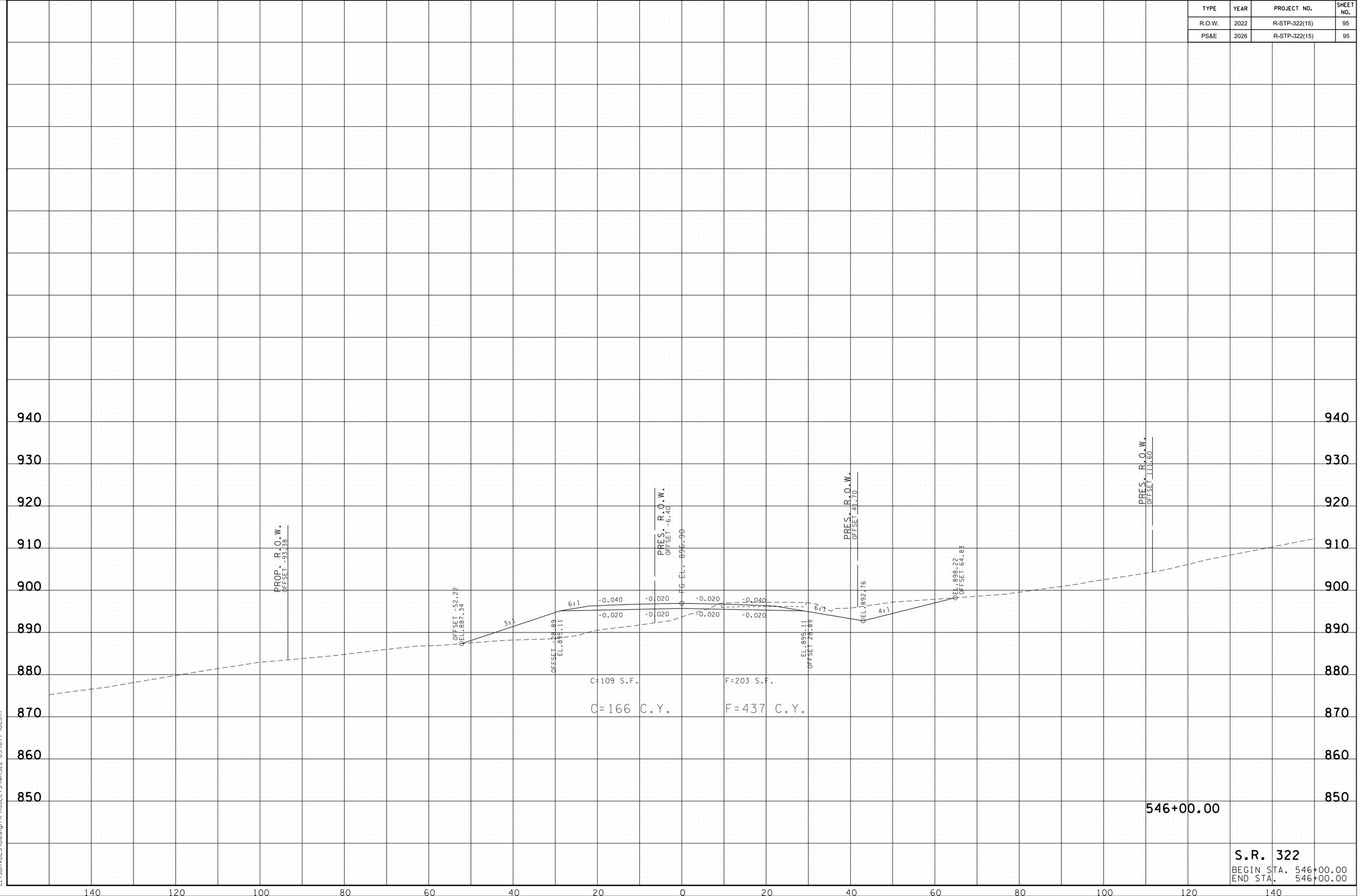
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	95
PS&E	2026	R-STP-322(15)	95



S.R. 322

BEGIN STA. 546+00.00
END STA. 546+00.00

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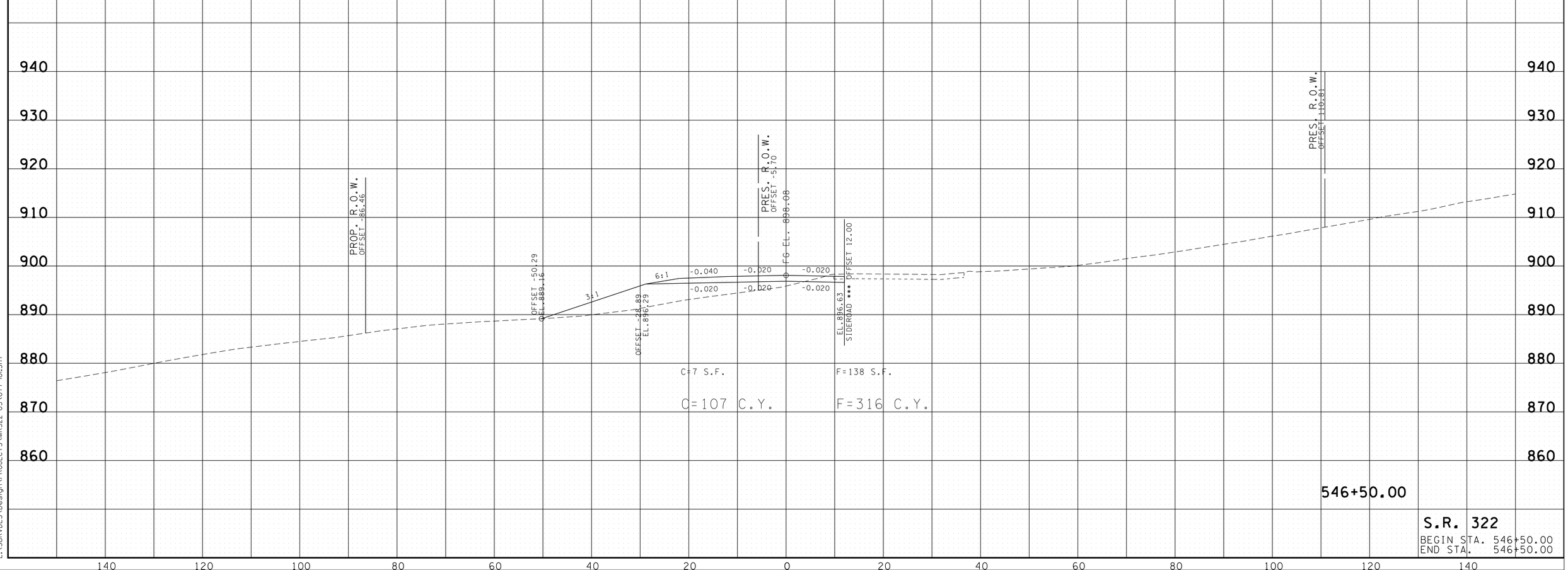
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	96
PS&E	2026	R-STP-322(15)	96



S.R. 322

BEGIN STA. 546+50.00
END STA. 546+50.00

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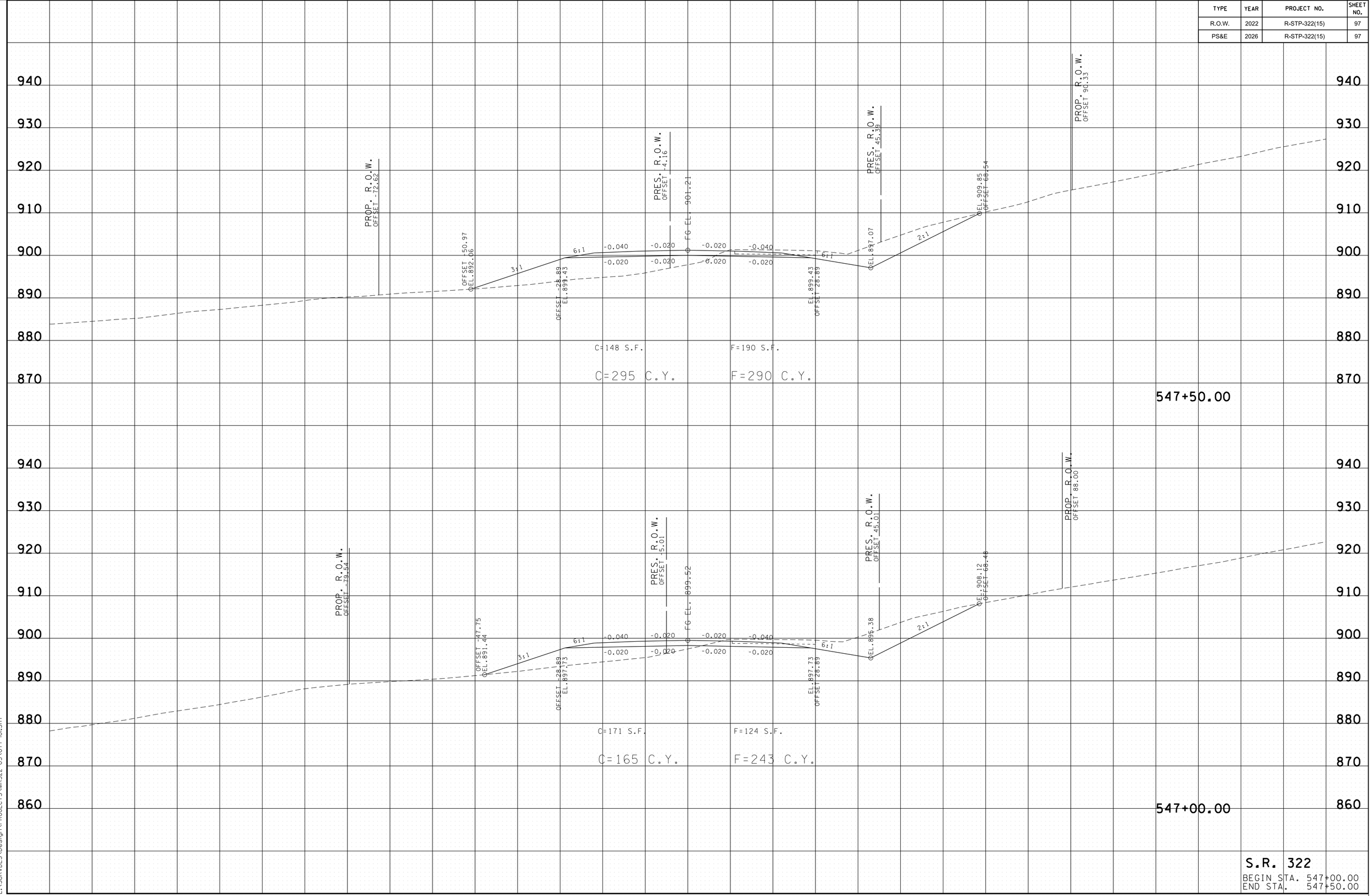
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	97
PS&E	2026	R-STP-322(15)	97



S.R. 322
BEGIN STA. 547+00.00
END STA. 547+50.00

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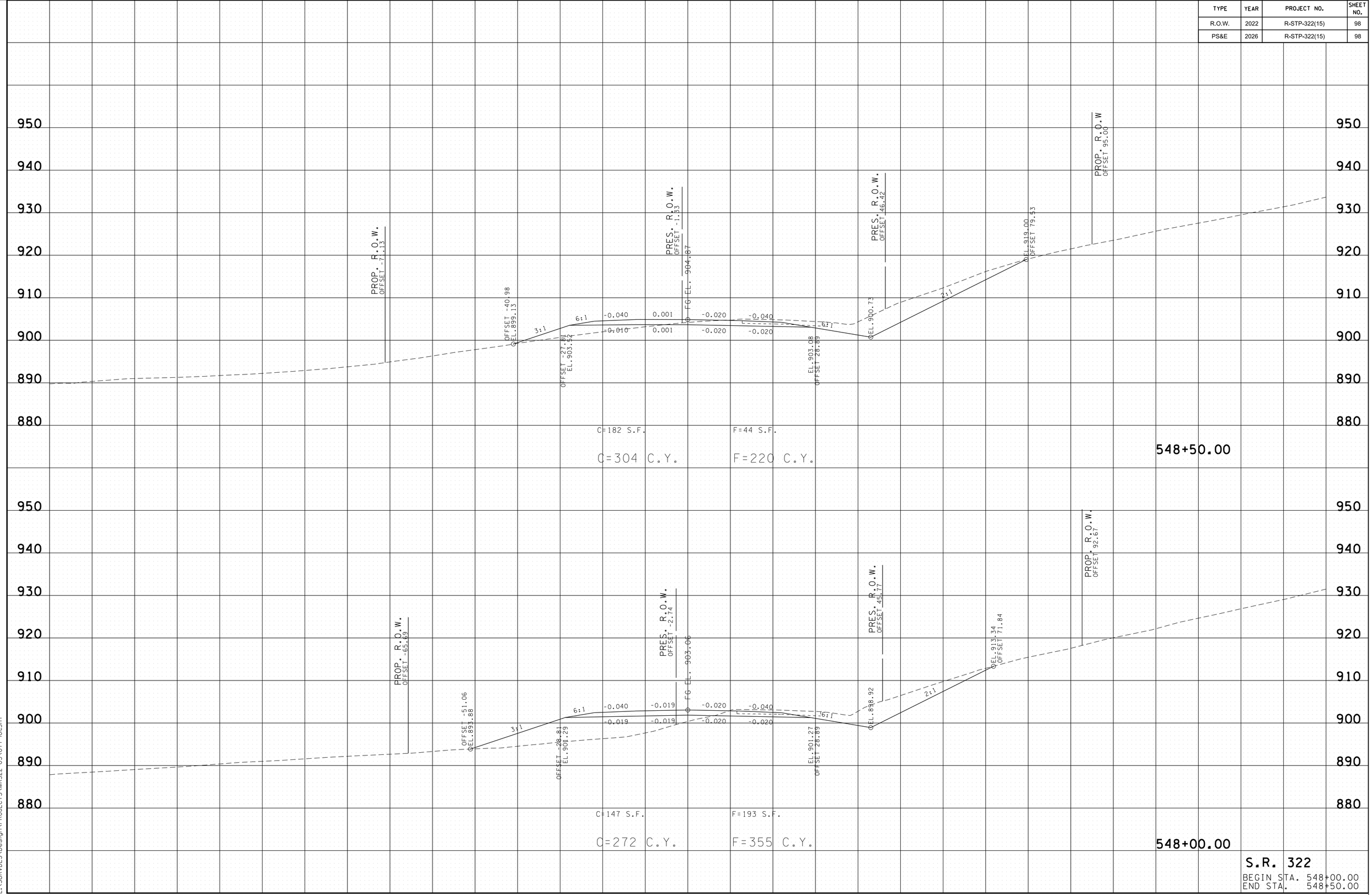
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	98
PS&E	2026	R-STP-322(15)	98



S.R. 322

BEGIN STA. 548+00.00
END STA. 548+50.00

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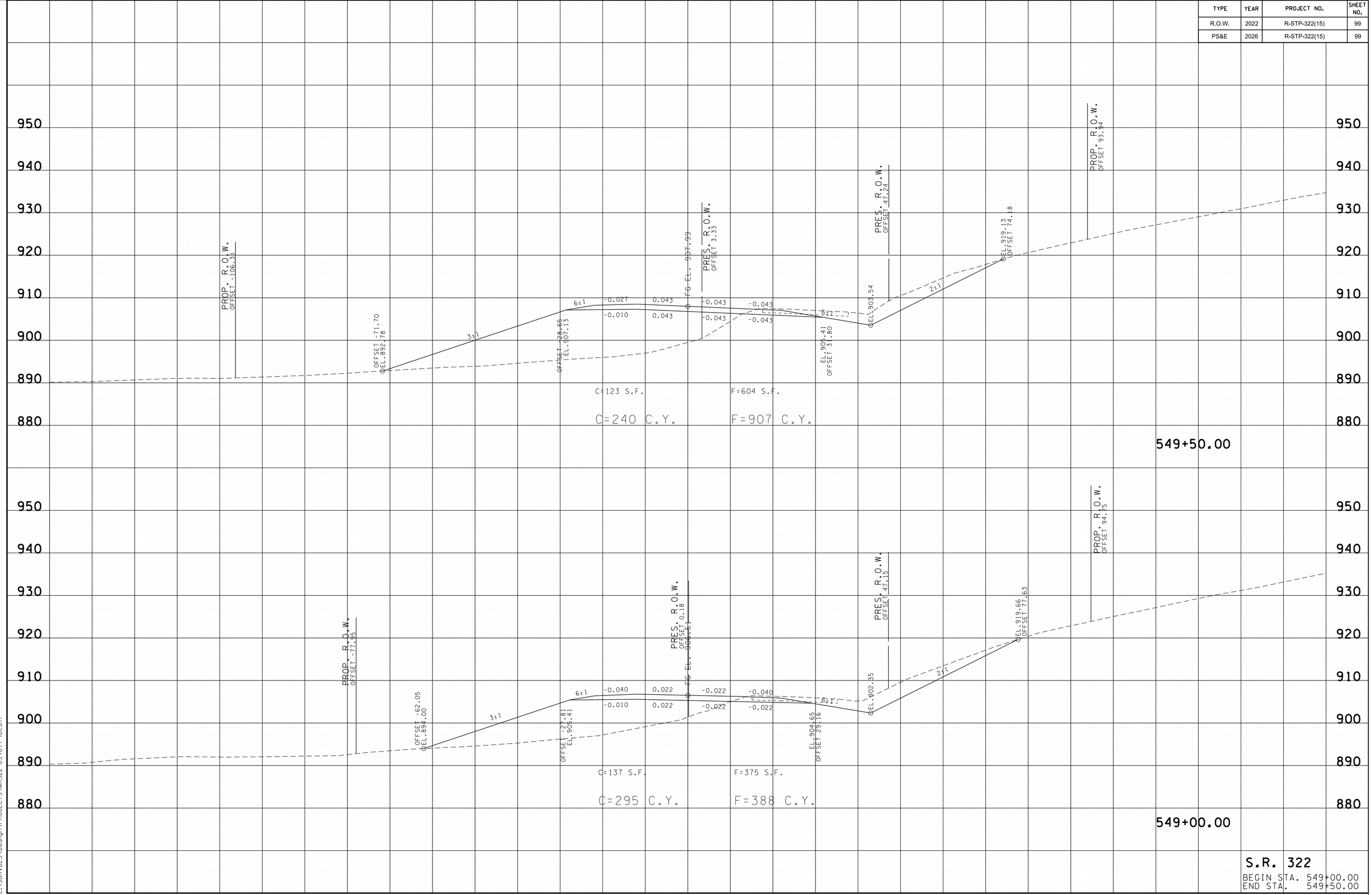
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	99
PS&E	2026	R-STP-322(15)	99



S.R. 322

BEGIN STA. 549+00.00
END STA. 549+50.00

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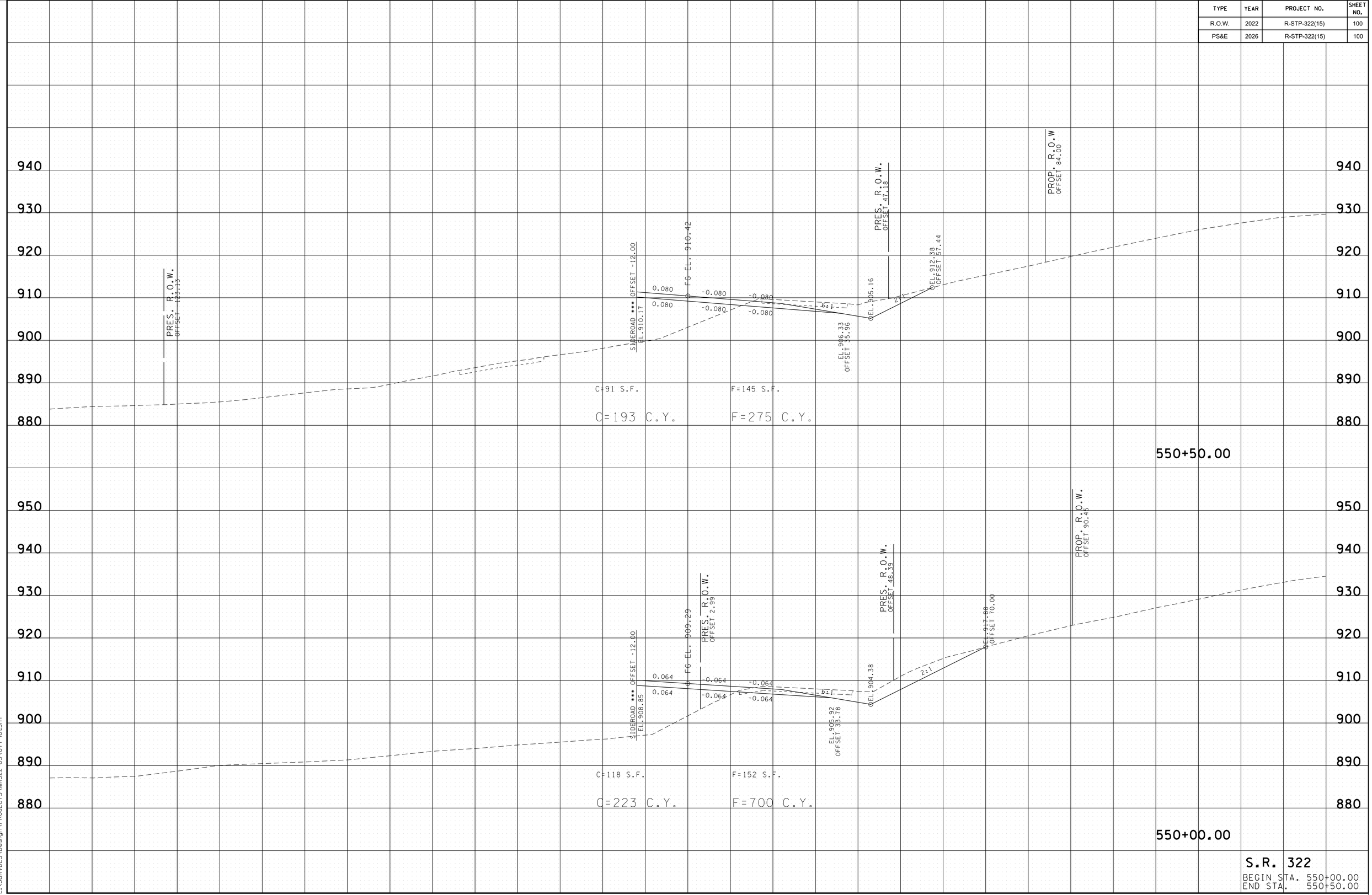
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	100
PS&E	2026	R-STP-322(15)	100



S.R. 322

BEGIN STA. 550+00.00
END STA. 550+50.00

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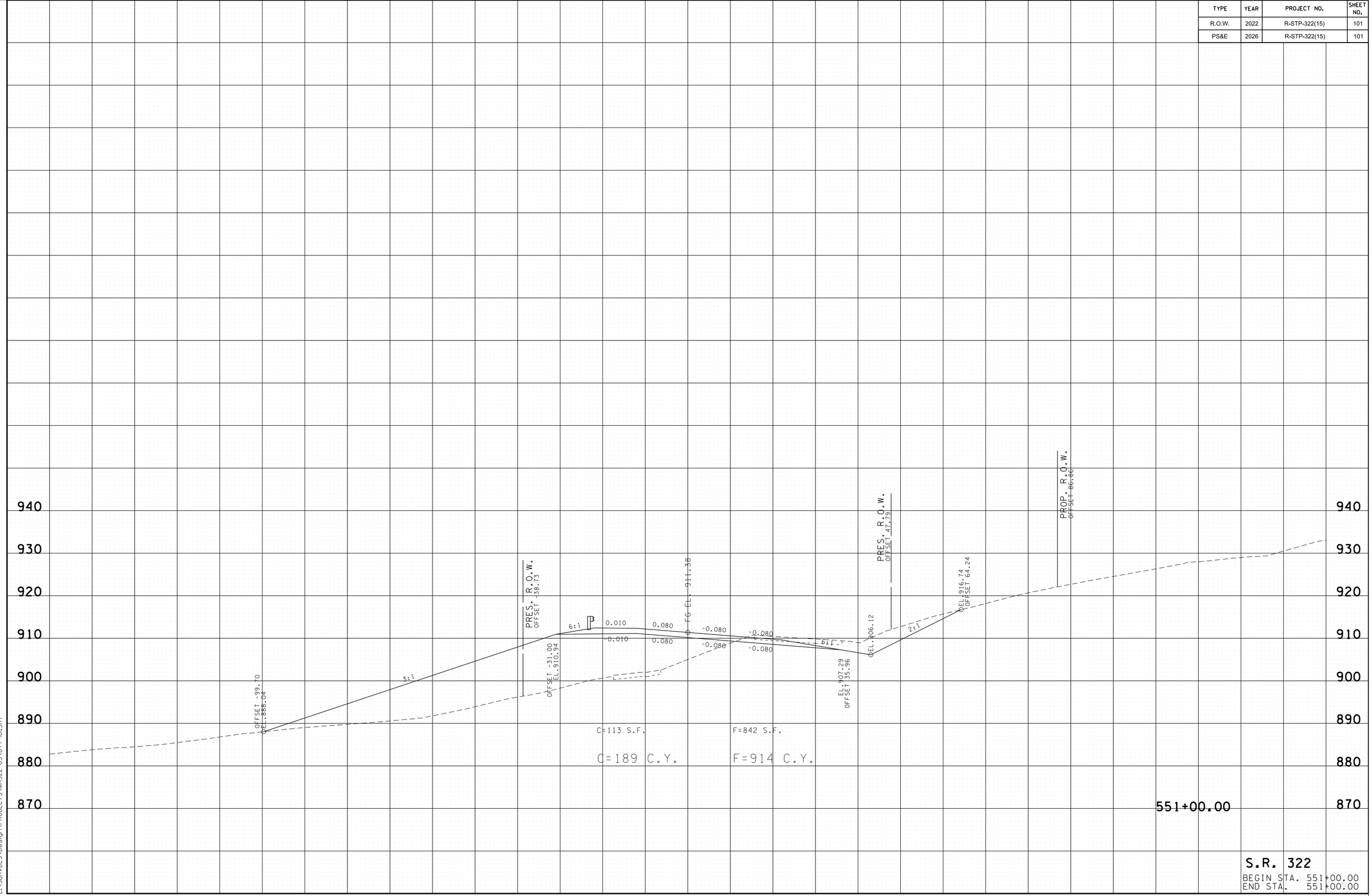
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	101
PS&E	2026	R-STP-322(15)	101



S.R. 322

BEGIN STA. 551+00.00

END STA. 551+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	102
PS&E	2026	R-STP-322(15)	102

PROP. R.O.W.
OFFSET -18.74

OFFSET -91.96
EL. 891.41

3:1

OFFSET -31.00
EL. 911.72

PRES. R.O.W.
OFFSET -25.31

6:1

0.010
-0.010
0.080
0.080
-0.080
-0.080
-0.080
-0.080

FG EL. 912.16

6:1

EL. 906.90

EL. 908.08
OFFSET 35.96

PRES. R.O.W.
OFFSET 47.78

2:1

EL. 917.10
OFFSET 63.39

PROP. R.O.W.
OFFSET 86.81

C=114 S.F.
C=209 C.Y.

F=574 S.F.
F=1311 C.Y.

940
930
920
910
900
890
880
870
860

551+50.00

S.R. 322
BEGIN STA. 551+50.00
END STA. 551+50.00

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	103
PS&E	2026	R-STP-322(15)	103

940
930
920
910
900
890
880
870
860
850

PROP. R.O.W.
OFFSET -125.00

OFFSET -111.52
EL. 885.50

3:1

OFFSET -31.00
EL. 912.34

6:1

0.010
-0.010

PRES. R.O.W.
OFFSET -15.70

0.080
0.080

FG EL. 912.78

-0.080
-0.080

C=122 S.F.

C=218 C.Y.

-0.080
-0.080

6:1

F=598 S.F.

F=1085 C.Y.

EL. 908.69
OFFSET 35.96

PRES. R.O.W.
OFFSET 44.02

EL. 907.52

2:1

EL. 918.48
OFFSET 64.93

PROP. R.O.W.
OFFSET 83.84

552+00.00

S.R. 322
BEGIN STA. 552+00.00
END STA. 552+00.00

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

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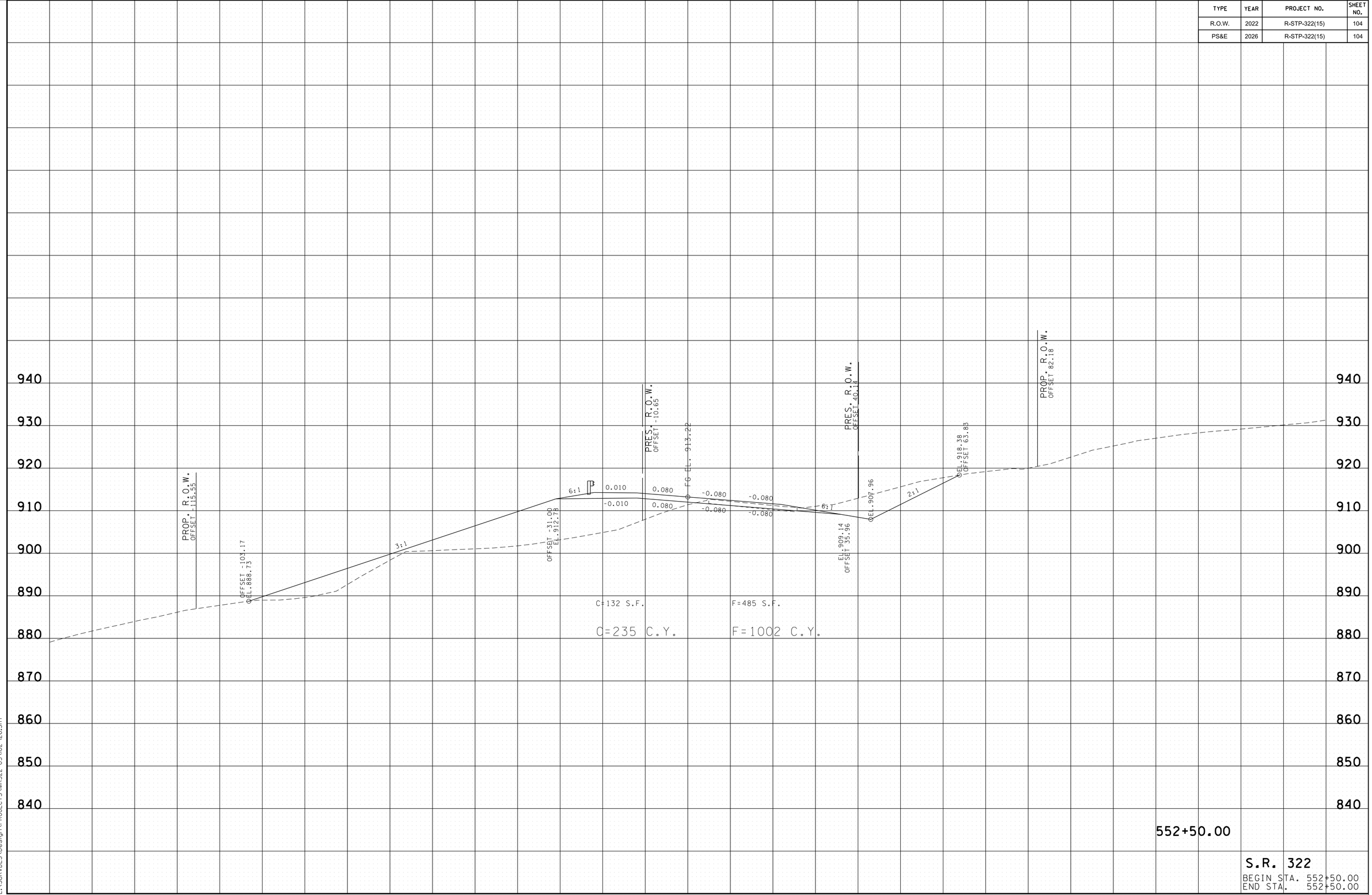
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	104
PS&E	2026	R-STP-322(15)	104



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	105
PS&E	2026	R-STP-322(15)	105

PROP. R.O.W.
OFFSET -110.00

OFFSET -97.42
EL.890.92

3:1

OFFSET -31.00
EL.913.06

6:1

PRES. R.O.W.
OFFSET -16.85

0.010
-0.010
0.080
0.080
-0.080
-0.080
-0.080
-0.080

FG EL. 913.50

PRES. R.O.W.
OFFSET 36.14

6:1

EL. 909.41
OFFSET 35.96

EL.908.24

2:1

EL.920.52
OFFSET 67.56

PROP. R.O.W.
OFFSET 87.49

C=131 S.F.
C=243 C.Y.

F=333 S.F.
F=757 C.Y.

940
930
920
910
900
890
880
870
860
850
840

553+00.00

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

S.R. 322
BEGIN STA. 553+00.00
END STA. 553+00.00

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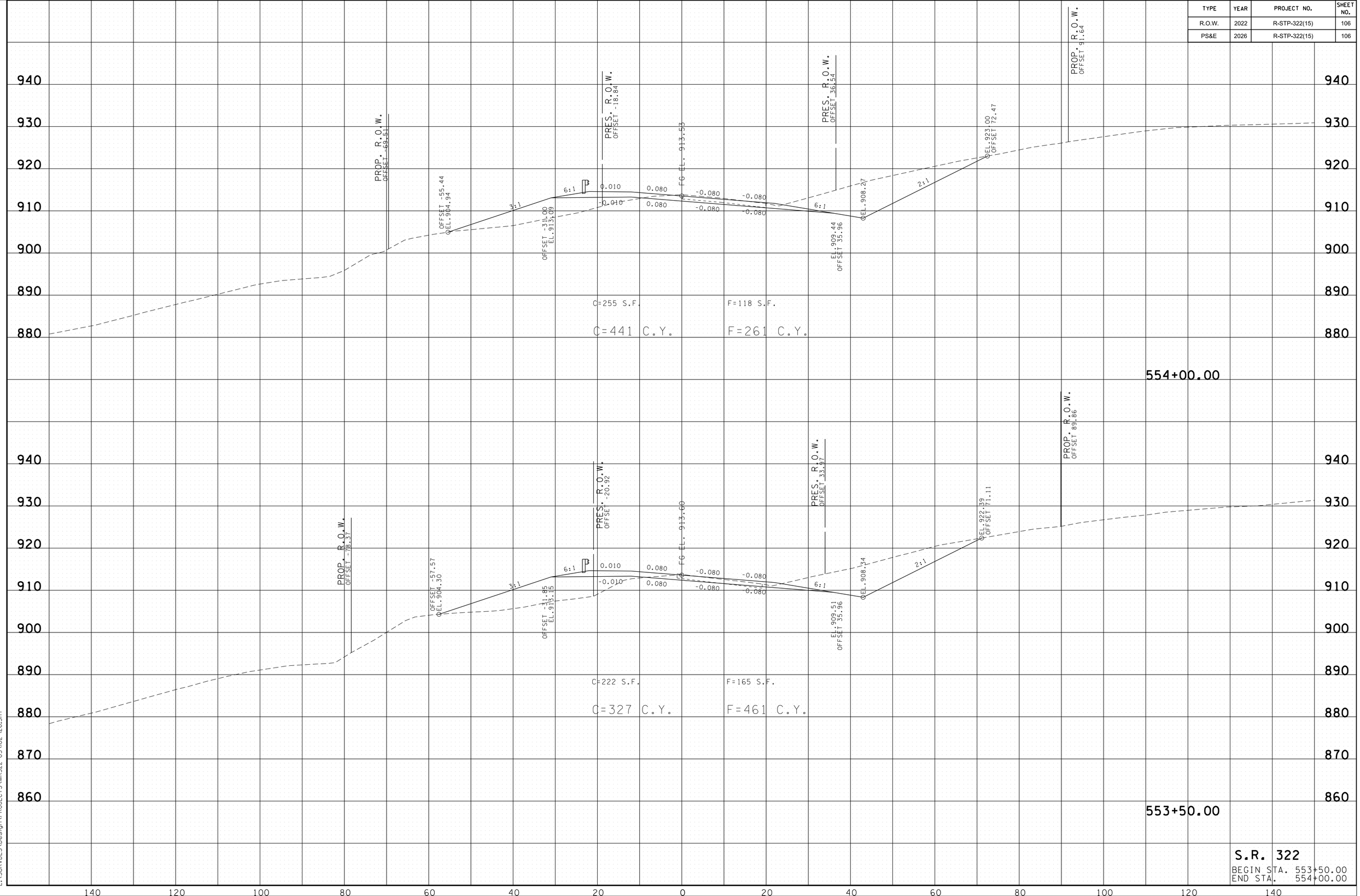
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	106
PS&E	2026	R-STP-322(15)	106



S.R. 322

BEGIN STA. 553+50.00
END STA. 554+00.00

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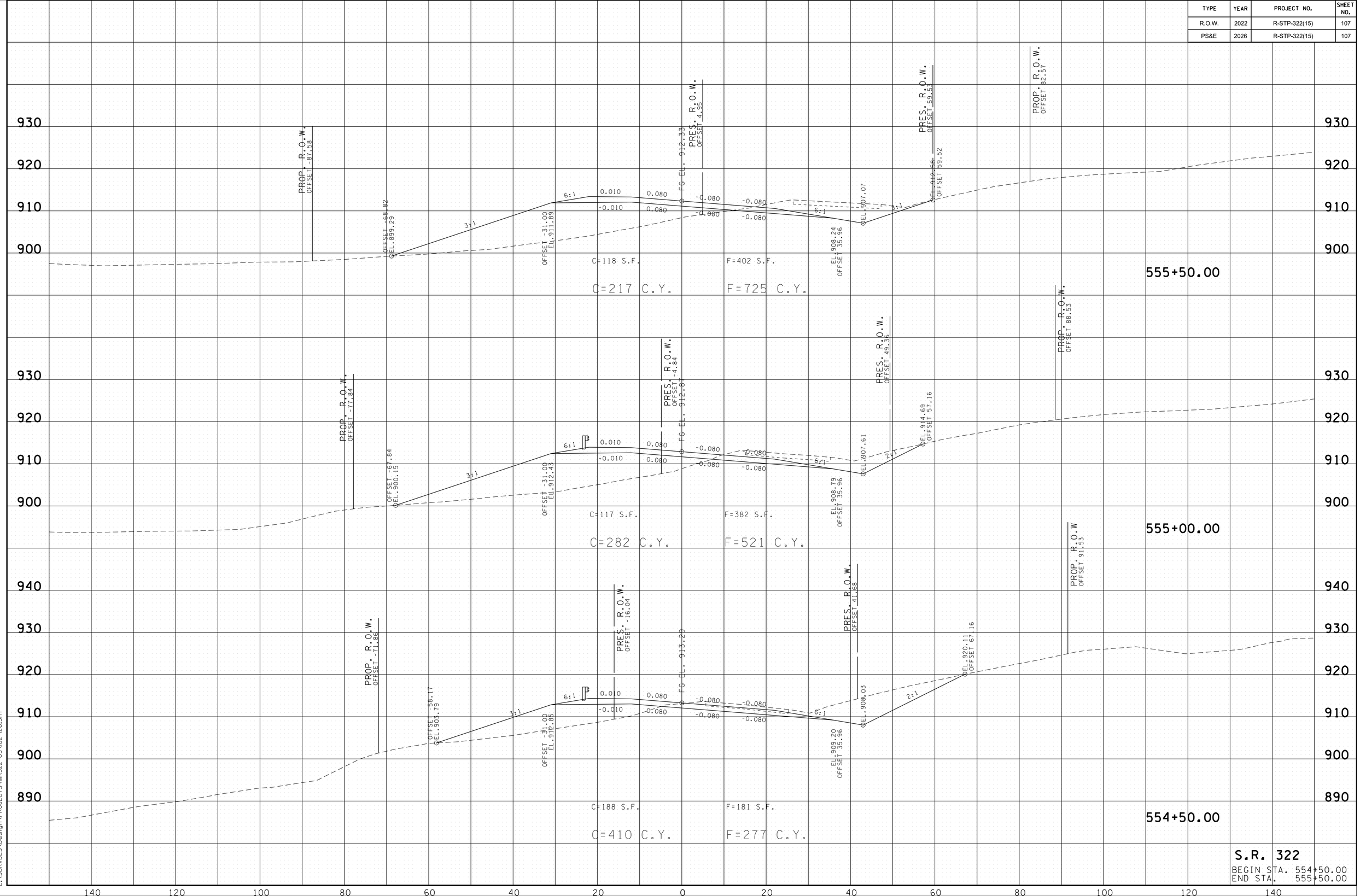
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	107
PS&E	2026	R-STP-322(15)	107



S.R. 322

BEGIN STA. 554+50.00
END STA. 555+50.00

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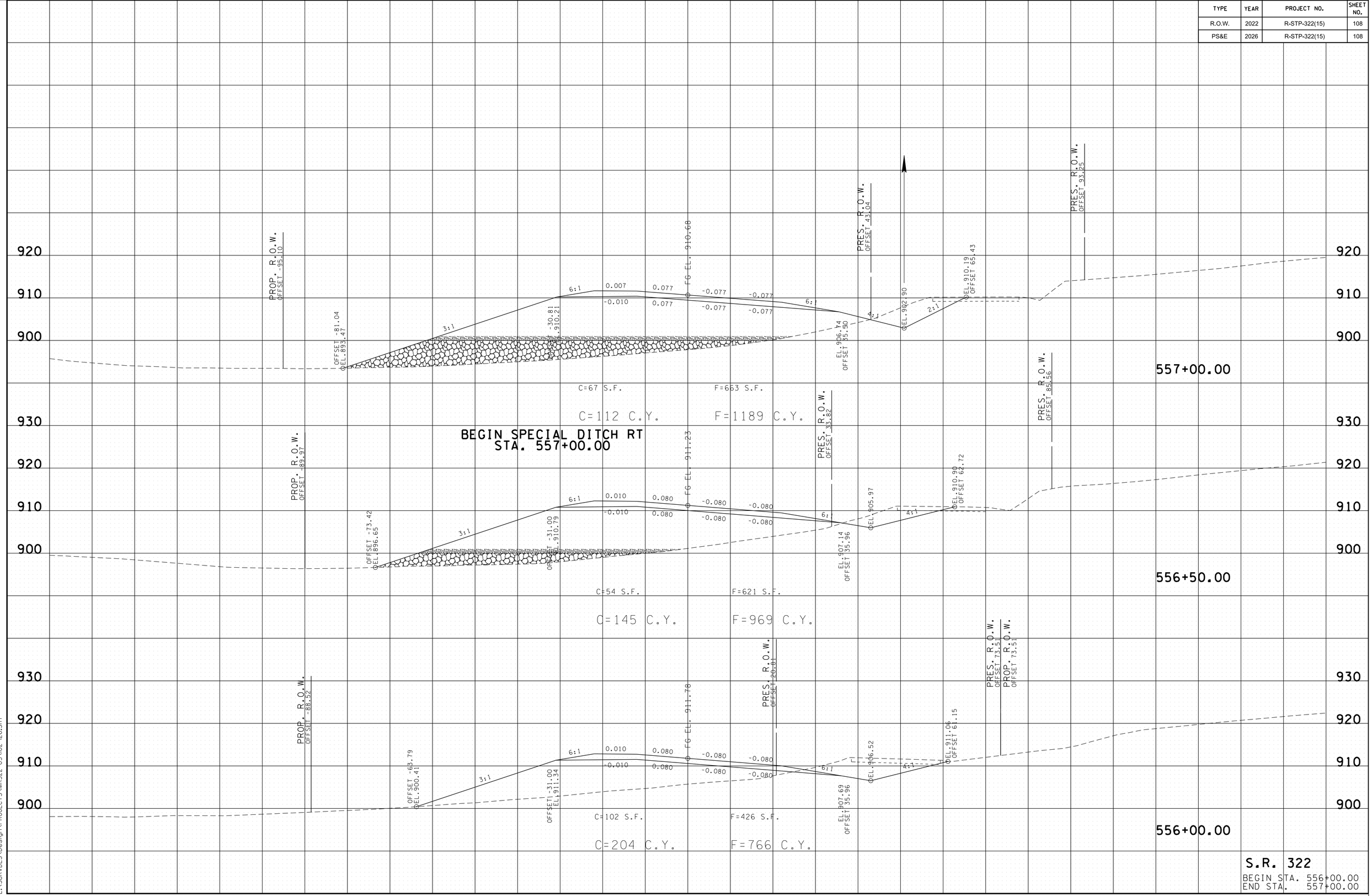
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	108
PS&E	2026	R-STP-322(15)	108



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	109
PS&E	2026	R-STP-322(15)	109

559+00.00

PROP. R.O.W. OFFSET -102.68
PRES. R.O.W. OFFSET -49.01
PRES. R.O.W. OFFSET 99.04
PROP. R.O.W. OFFSET 99.04
OFFSET -49.55 EL. 906.14
EL. 904.51
OFFSET -27.81 EL. 907.04
FG EL. 908.48
EL. 906.69 OFFSET 28.89
EL. 901.90
EL. 908.38 OFFSET 70.61
-0.040 -0.006 -0.020 -0.040
-0.010 -0.006 -0.020 -0.020
4:1 6:1 6:1 2:1
920 910 900

C=102 S.F. F=124 S.F.
C=122 C.Y. F=512 C.Y.

558+50.00

PROP. R.O.W. OFFSET -105.07
PRES. R.O.W. OFFSET -49.50
PRES. R.O.W. OFFSET 99.45
PROP. R.O.W. OFFSET 99.45
OFFSET -53.97 EL. 899.12
EL. 902.15
OFFSET -27.81 EL. 907.84
FG EL. 909.03
EL. 907.24 OFFSET 28.89
EL. 907.85 OFFSET 60.65
-0.040 0.015 -0.020 -0.040
-0.010 0.015 -0.020 -0.020
3:1 6:1 6:1 4:1 2:1
920 910 900

C=29 S.F. F=429 S.F.
C=47 C.Y. F=894 C.Y.

558+00.00

PROP. R.O.W. OFFSET -107.68
PRES. R.O.W. OFFSET -49.88
PRES. R.O.W. OFFSET 99.75
PROP. R.O.W. OFFSET 99.75
OFFSET -70.59 EL. 894.49
EL. 902.40
OFFSET -28.15 EL. 908.63
FG EL. 909.58
EL. 907.28 OFFSET 30.86
EL. 908.73 OFFSET 63.08
-0.035 0.035 -0.035 -0.040
-0.010 0.035 -0.035 -0.035
3:1 6:1 6:1 4:1 2:1
920 910 900

C=21 S.F. F=536 S.F.
C=51 C.Y. F=1063 C.Y.

557+50.00

PROP. R.O.W. OFFSET -104.04
PRES. R.O.W. OFFSET -48.02
PRES. R.O.W. OFFSET 97.94
PROP. R.O.W. OFFSET 97.94
OFFSET -78.76 EL. 892.99
EL. 902.65
OFFSET -29.48 EL. 909.42
FG EL. 910.13
EL. 907.07 OFFSET 32.95
EL. 909.52 OFFSET 64.38
-0.014 0.056 -0.056 -0.056
-0.010 0.056 -0.056 -0.056
3:1 6:1 6:1 4:1 2:1
920 910 900

C=34 S.F. F=612 S.F.
C=93 C.Y. F=1181 C.Y.

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

S.R. 322
BEGIN STA. 557+50.00
END STA. 559+00.00

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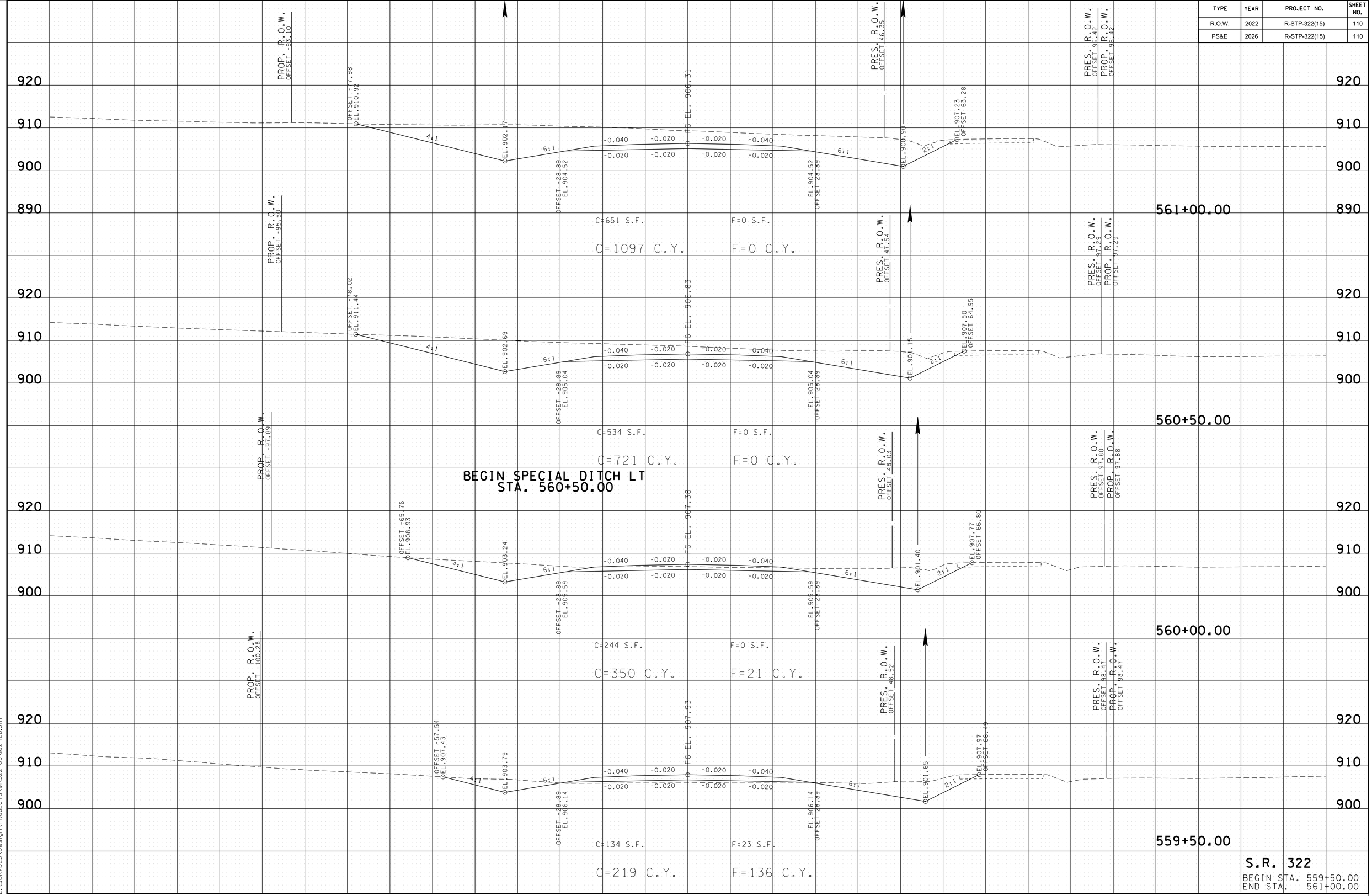
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	110
PS&E	2026	R-STP-322(15)	110



S.R. 322
BEGIN STA. 559+50.00
END STA. 561+00.00

2/24/2026 10:04:03 AM
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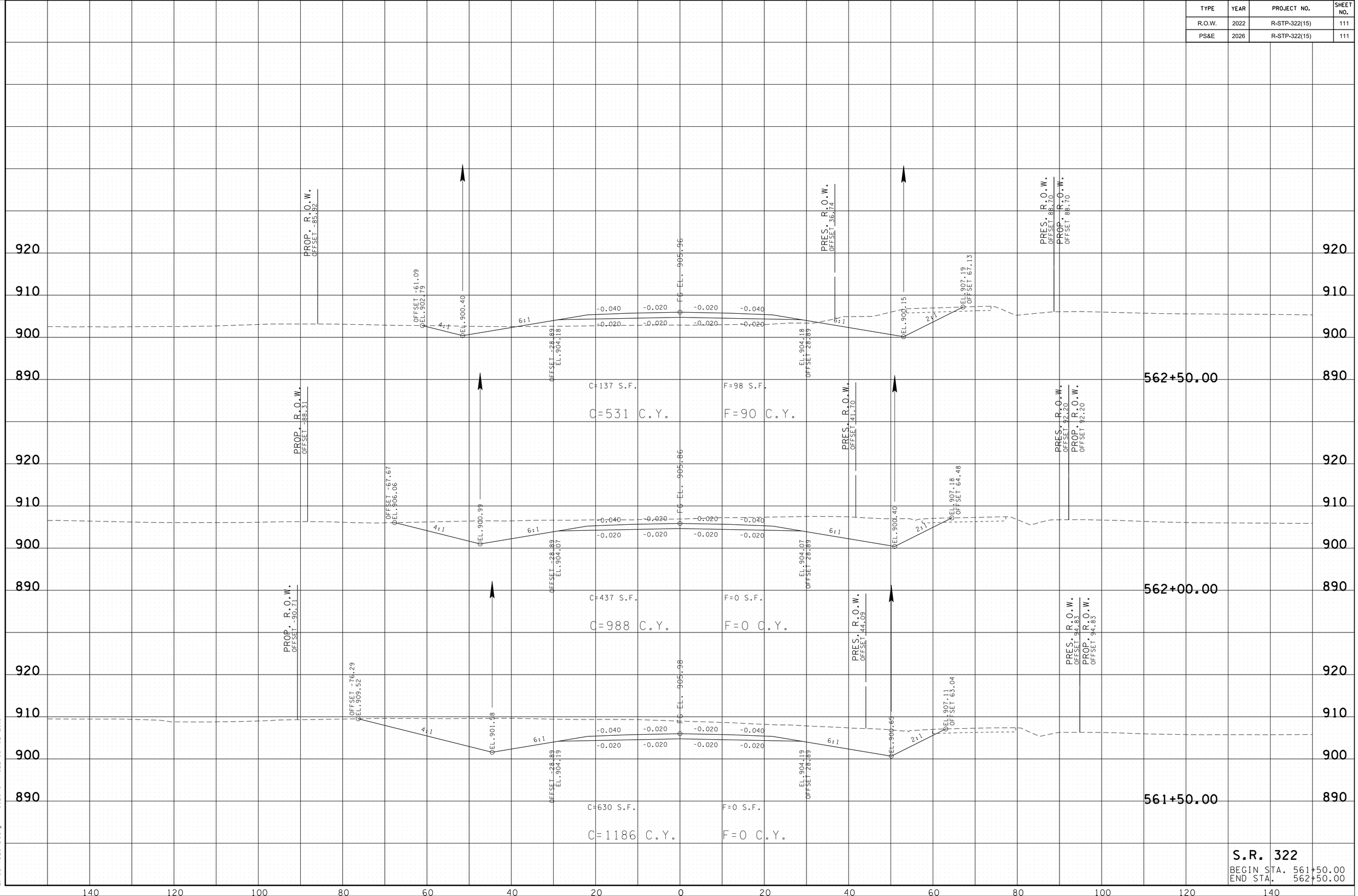
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	111
PS&E	2026	R-STP-322(15)	111



S.R. 322

BEGIN STA. 561+50.00
END STA. 562+50.00

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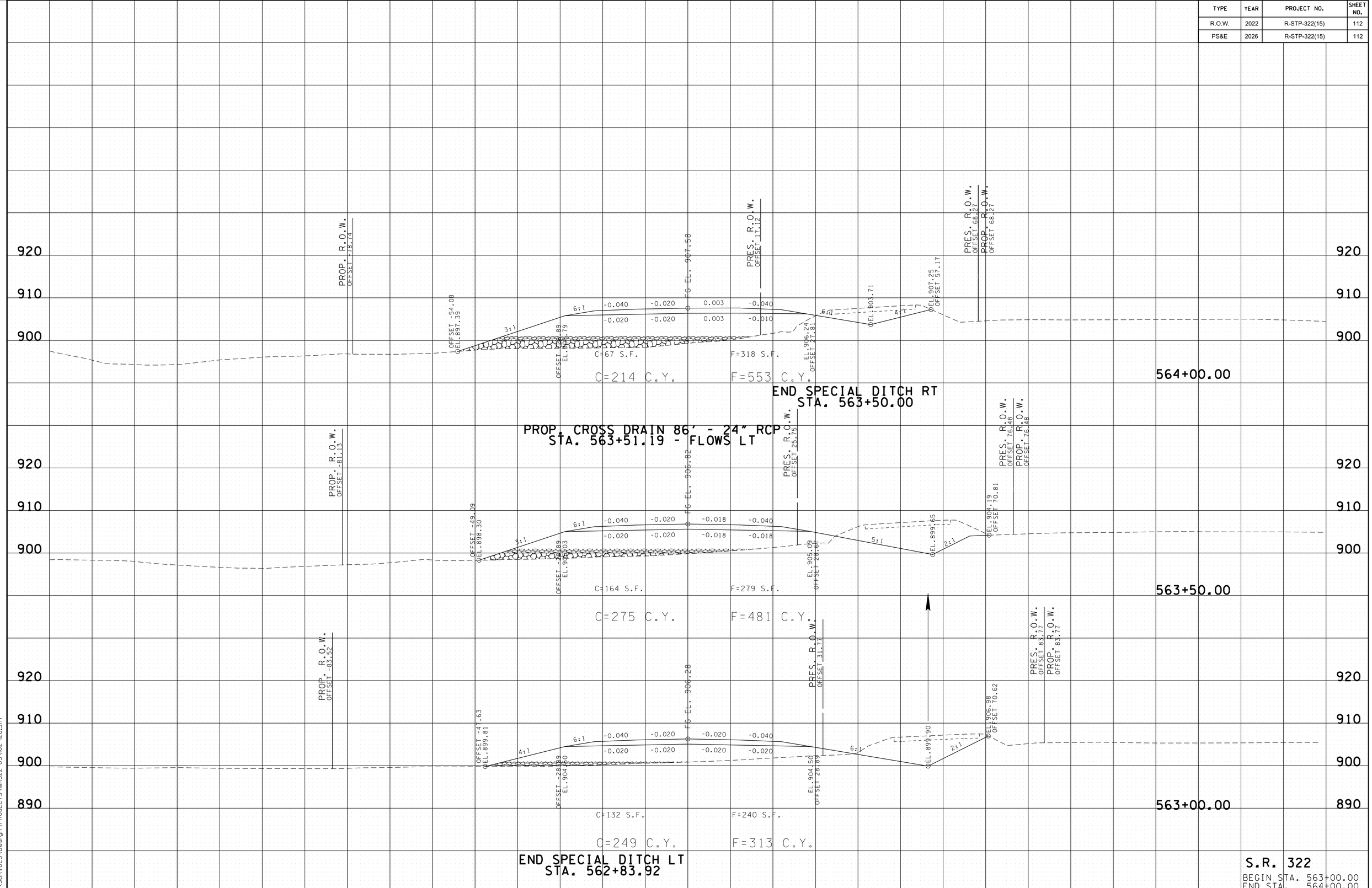
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	112
PS&E	2026	R-STP-322(15)	112



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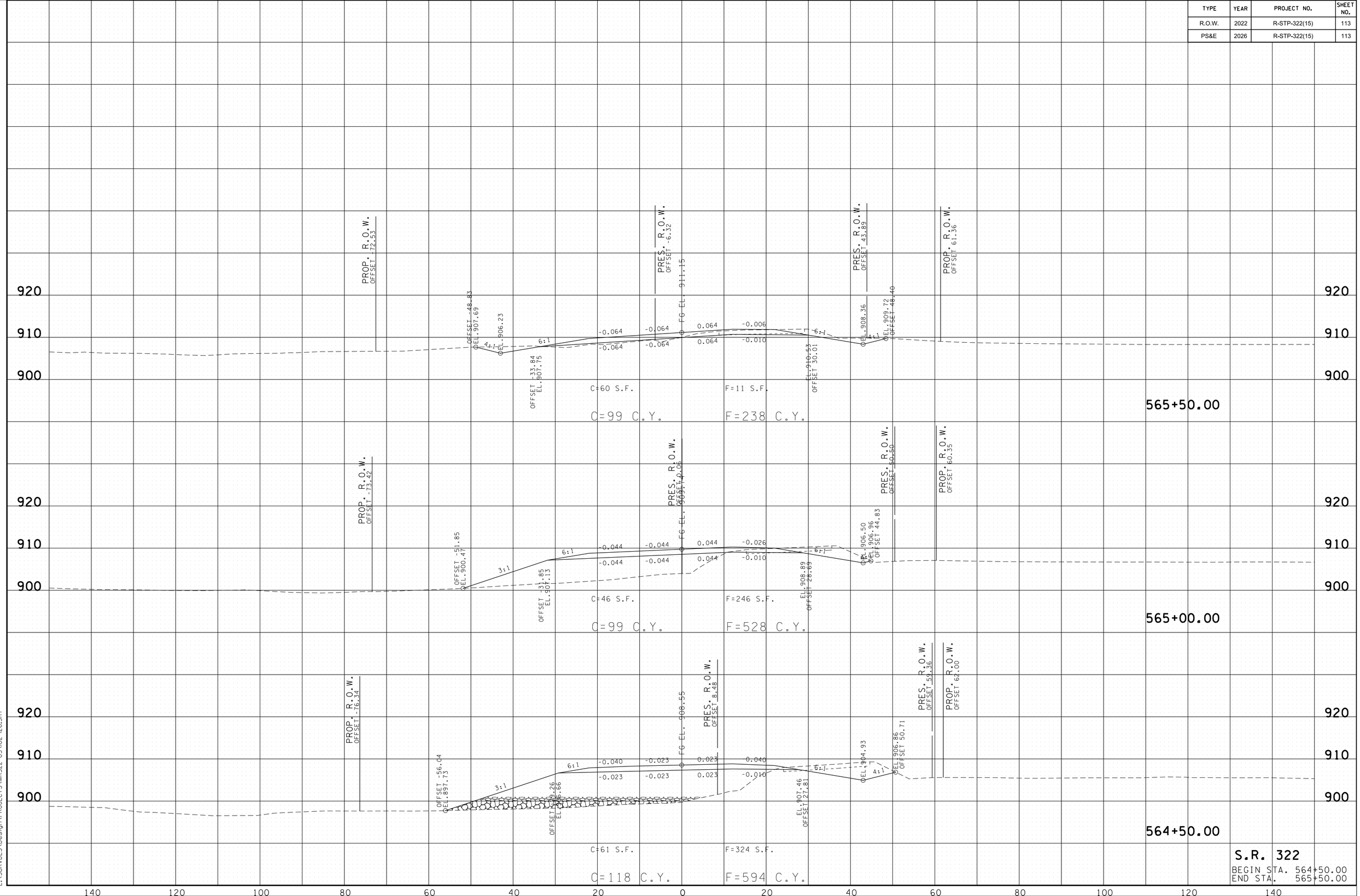
S.R. 322
BEGIN STA. 563+00.00
END STA. 564+00.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	113
PS&E	2026	R-STP-322(15)	113



S.R. 322
BEGIN STA. 564+50.00
END STA. 565+50.00

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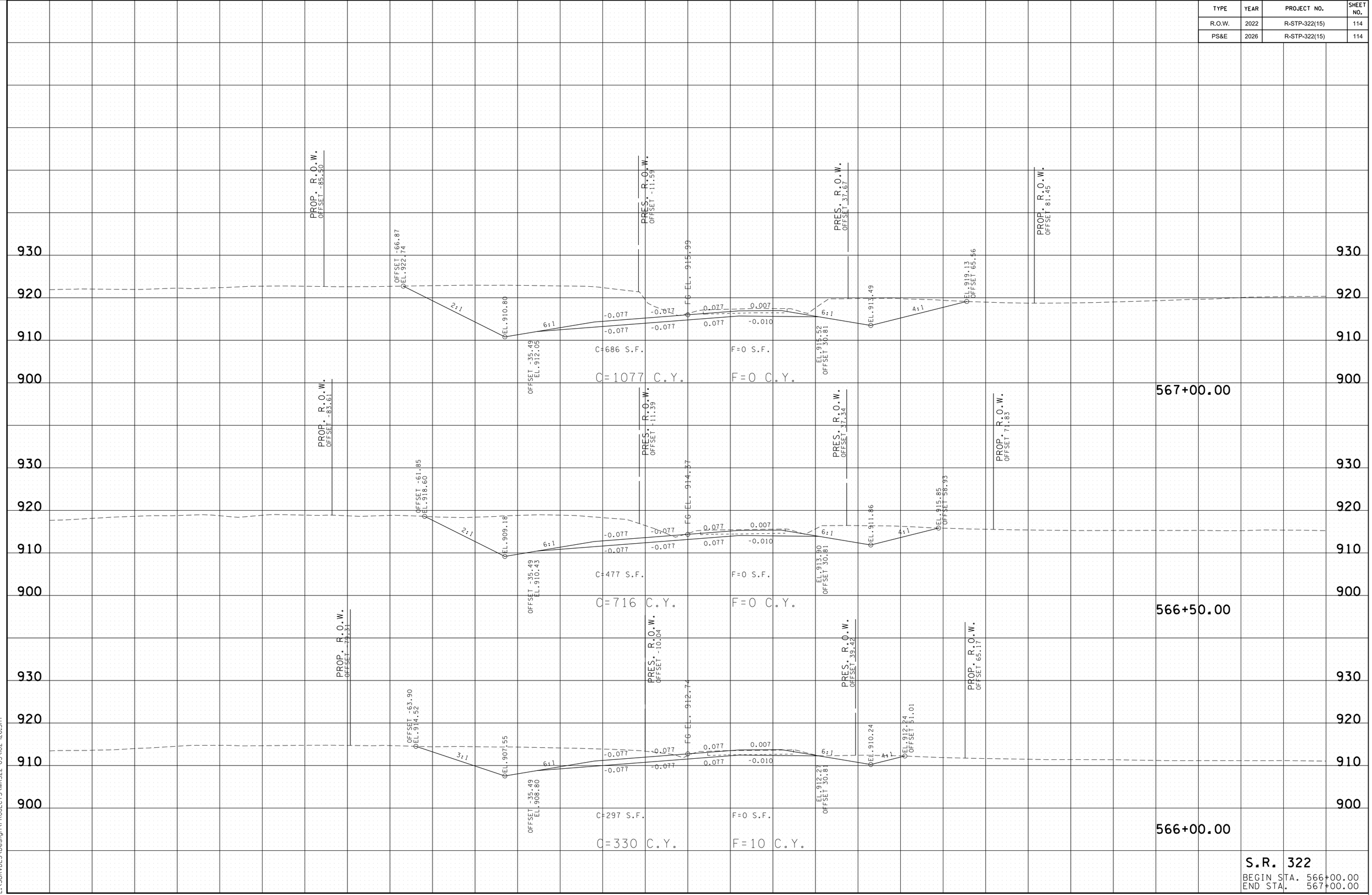
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	114
PS&E	2026	R-STP-322(15)	114



S.R. 322

BEGIN STA. 566+00.00

END STA. 567+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	115
PS&E	2026	R-STP-322(15)	115

PRES. R.O.W. OFFSET -148.18
PRES. R.O.W. OFFSET -61.81
PRES. R.O.W. OFFSET -31.51
PROP. R.O.W. OFFSET -86.00
PRES. R.O.W. OFFSET 16.33
PRES. R.O.W. OFFSET 51.73
PROP. R.O.W. OFFSET 80.18
PRES. R.O.W. OFFSET 89.63
PRES. R.O.W. OFFSET 40.73
PRES. R.O.W. OFFSET 98.87
PRES. R.O.W. OFFSET -9.19

SIDEROAD *** OFFSET -12.00 EL.918.74
FG EL. 920.87
SIDEROAD *** OFFSET 12.00 EL.920.58
-0.077 0.077 -0.077 0.077

C=44 S.F. C=82 C.Y.
F=0 S.F. F=0 C.Y.

568+50.00

SIDEROAD *** OFFSET -12.00 EL.917.11
FG EL. 919.24
SIDEROAD *** OFFSET 12.00 EL.918.96
-0.077 0.077 -0.077 0.077

C=44 S.F. C=572 C.Y.
F=0 S.F. F=0 C.Y.

568+00.00

OFFSET -69.05 EL. 925.45
2:1
EL. 912.43
6:1
OFFSET -35.49 EL. 913.68
FG EL. 917.62
SIDEROAD *** OFFSET 12.00 EL.917.33
-0.077 -0.077 0.077 -0.077 -0.077 0.077

C=574 S.F. C=1167 C.Y.
F=0 S.F. F=0 C.Y.

567+50.00

930 920 910 900

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

S.R. 322
BEGIN STA. 567+50.00
END STA. 568+50.00

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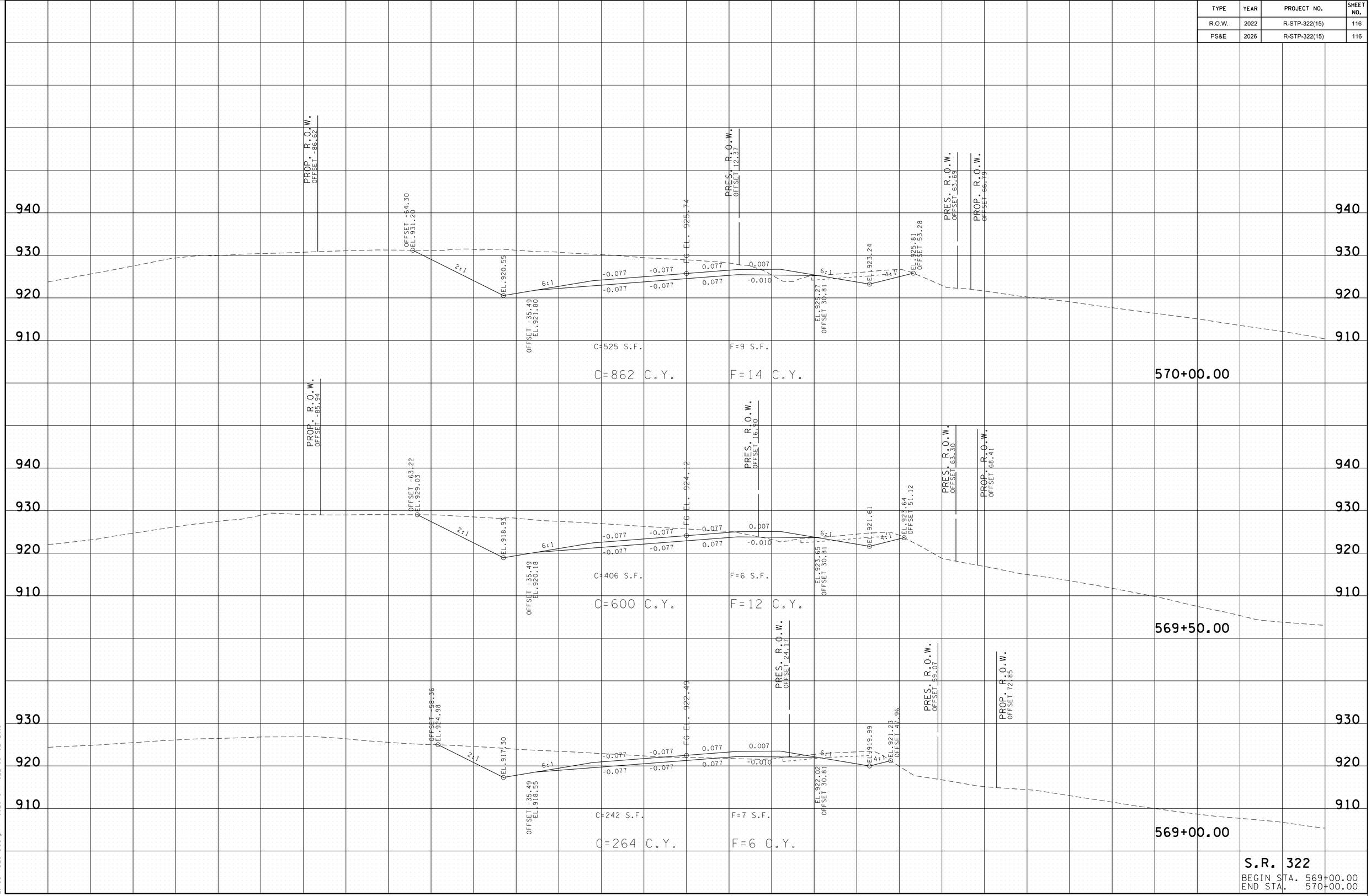
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	116
PS&E	2026	R-STP-322(15)	116



S.R. 322

BEGIN STA. 569+00.00

END STA. 570+00.00

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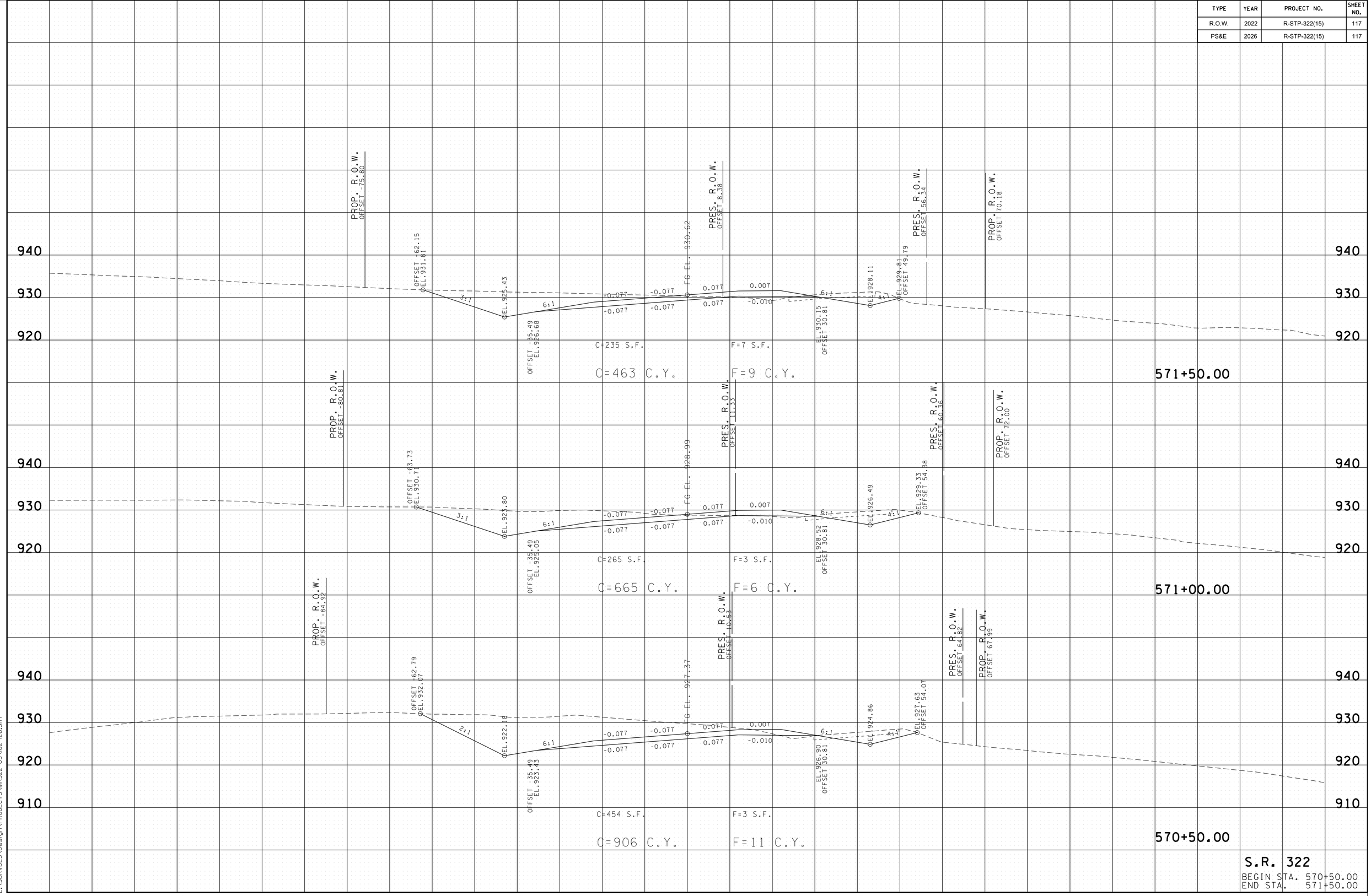
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	117
PS&E	2026	R-STP-322(15)	117



S.R. 322
BEGIN STA. 570+50.00
END STA. 571+50.00

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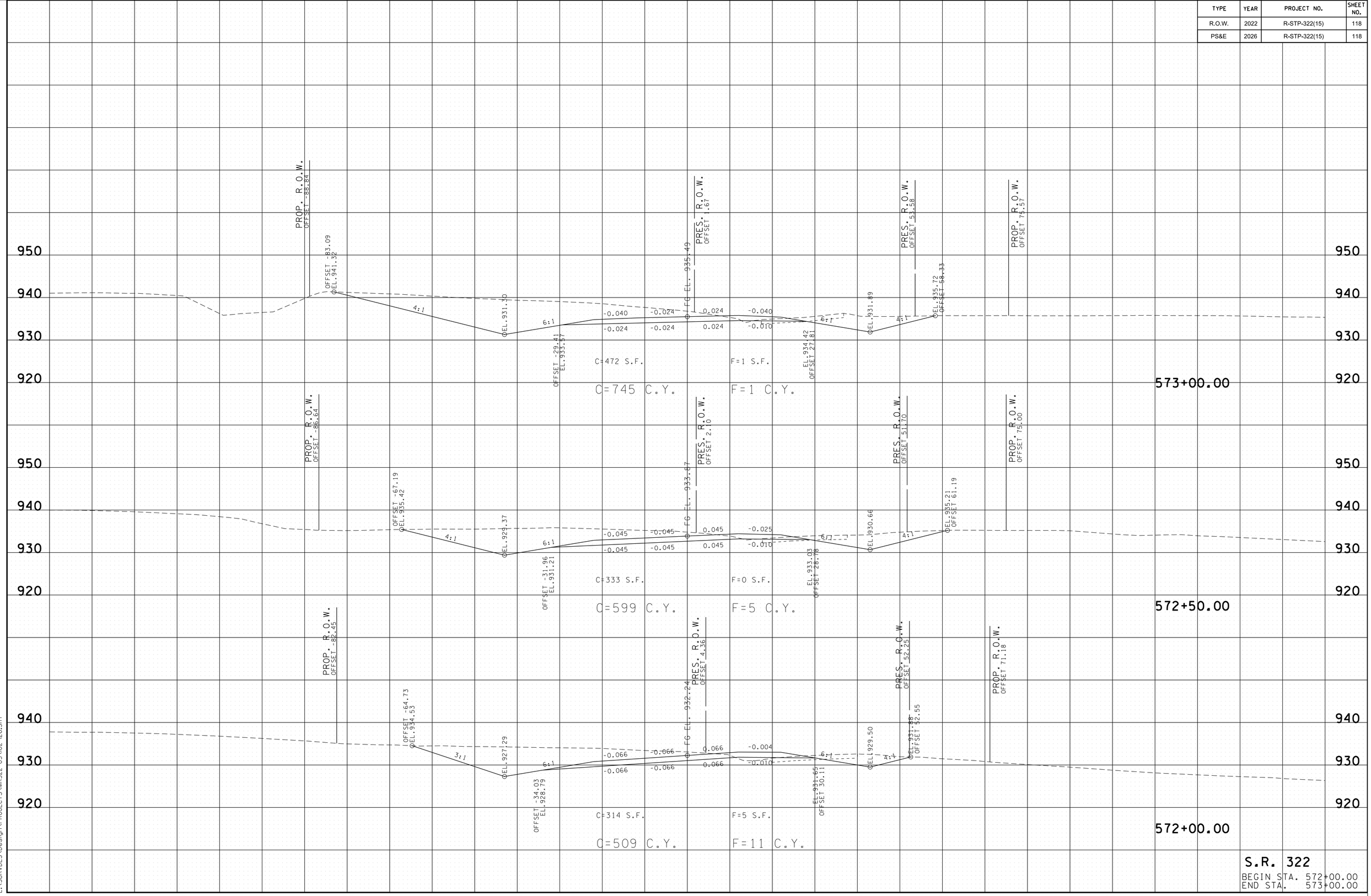
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	118
PS&E	2026	R-STP-322(15)	118



S.R. 322

BEGIN STA. 572+00.00

END STA. 573+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	119
PS&E	2026	R-STP-322(15)	119

575+00.00

PROP. R.O.W. OFFSET -80.39
PRES. R.O.W. OFFSET -9.63
PRES. R.O.W. OFFSET 42.77
PROP. R.O.W. OFFSET 75.68
PRES. R.O.W. OFFSET 143.99
OFFSET -64.80 EL.941.28
EL. 938.28
OFFSET -29.65 EL.940.50
FG EL. 941.18
EL.936.39
EL.940.79 OFFSET 60.61
EL. 938.02 OFFSET 33.23
-0.011 0.059 -0.059 -0.059
-0.010 0.059 -0.059 -0.059
4:1 6:1 6:1 4:1
C=185 S.F. F=0 S.F.
C=444 C.Y. F=0 C.Y.

574+50.00

PROP. R.O.W. OFFSET -93.47
PRES. R.O.W. OFFSET -1.02
PRES. R.O.W. OFFSET 129.47
OFFSET -66.15 EL.942.52
EL. 936.73
OFFSET -28.33 EL.939.18
FG EL. 940.09
EL.935.74
EL.939.75 OFFSET 59.05
EL. 937.69 OFFSET 31.26
-0.032 0.038 -0.038 -0.040
-0.010 0.038 -0.038 -0.038
4:1 6:1 6:1 4:1
C=295 S.F. F=0 S.F.
C=572 C.Y. F=0 C.Y.

574+00.00

PROP. R.O.W. OFFSET -92.84
PRES. R.O.W. OFFSET 1.44
PRES. R.O.W. OFFSET 53.71
PROP. R.O.W. OFFSET 77.30
OFFSET -72.23 EL.942.35
EL. 935.03
OFFSET -27.81 EL.937.56
FG EL. 938.72
EL.934.61
EL.937.81 OFFSET 55.79
EL. 937.02 OFFSET 28.98
-0.040 0.017 -0.017 -0.040
-0.010 0.017 -0.017 -0.017
4:1 6:1 6:1 4:1
C=323 S.F. F=0 S.F.
C=673 C.Y. F=1 C.Y.

573+50.00

PROP. R.O.W. OFFSET -90.84
PRES. R.O.W. OFFSET 1.55
PRES. R.O.W. OFFSET 53.79
PROP. R.O.W. OFFSET 76.43
OFFSET -80.97 EL.942.67
EL. 933.18
OFFSET -21.81 EL.935.71
FG EL. 937.12
EL.933.26
EL.936.91 OFFSET 57.61
EL. 935.79 OFFSET 27.81
-0.040 -0.004 0.004 -0.040
-0.010 -0.004 0.004 -0.010
4:1 6:1 6:1 4:1
C=403 S.F. F=1 S.F.
C=811 C.Y. F=1 C.Y.

S.R. 322
BEGIN STA. 573+50.00
END STA. 575+00.00

950 940 930

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

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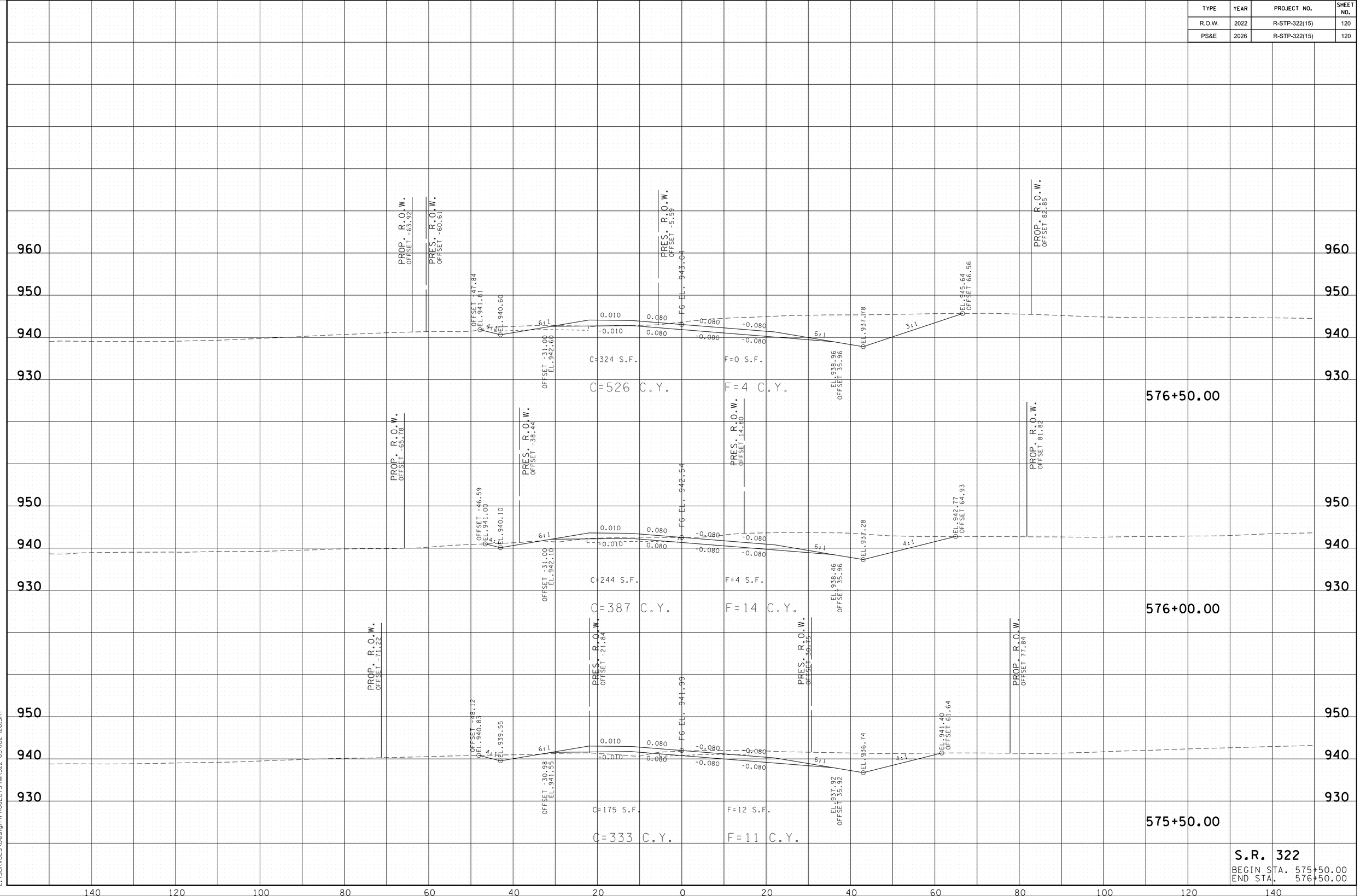
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	120
PS&E	2026	R-STP-322(15)	120



S.R. 322

BEGIN STA. 575+50.00
END STA. 576+50.00

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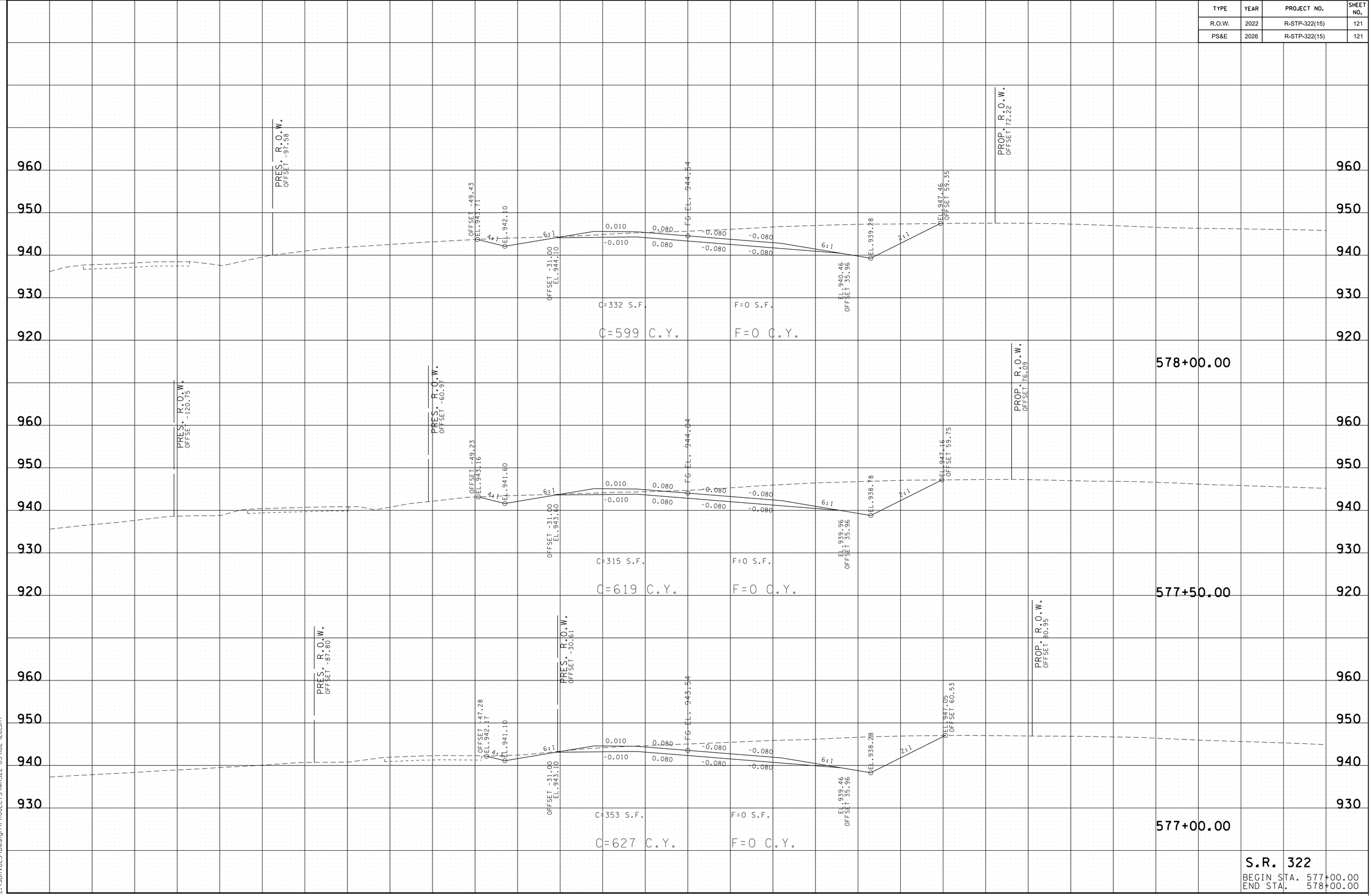
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	121
PS&E	2026	R-STP-322(15)	121



S.R. 322
BEGIN STA. 577+00.00
END STA. 578+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	122
PS&E	2026	R-STP-322(15)	122

PROP. R.O.W.
OFFSET -71.25

PROP. R.O.W.
OFFSET 90.50

960
950
940
930

SIDEROAD *** OFFSET -12.00
EL. 945.53

FG EL. 945.78

0.080 -0.080 -0.080
0.080 -0.080 -0.080

6:1

EL. 941.69
OFFSET 35.96

EL. 940.52

2:1

EL. 948.30
OFFSET 58.55

C=261 S.F.
C=484 C.Y.

F=0 S.F.
F=0 C.Y.

579+50.00

PROP. R.O.W.
OFFSET 87.42

960
950
940
930

SIDEROAD *** OFFSET -12.00
EL. 945.20

FG EL. 945.45

0.080 -0.080 -0.080
0.080 -0.080 -0.080

6:1

EL. 941.36
OFFSET 35.96

EL. 940.19

2:1

EL. 948.08
OFFSET 58.79

C=262 S.F.
C=546 C.Y.

F=0 S.F.
F=0 C.Y.

579+00.00

PROP. R.O.W.
OFFSET 81.37

PRES. R.O.W.
OFFSET -141.73

960
950
940
930
920

SIDEROAD *** OFFSET -12.00
EL. 944.78

FG EL. 945.03

0.080 -0.080 -0.080
0.080 -0.080 -0.080

6:1

EL. 940.95
OFFSET 35.96

EL. 939.77

2:1

EL. 948.67
OFFSET 60.79

C=327 S.F.
C=610 C.Y.

F=0 S.F.
F=0 C.Y.

578+50.00

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

S.R. 322
BEGIN STA. 578+50.00
END STA. 579+50.00

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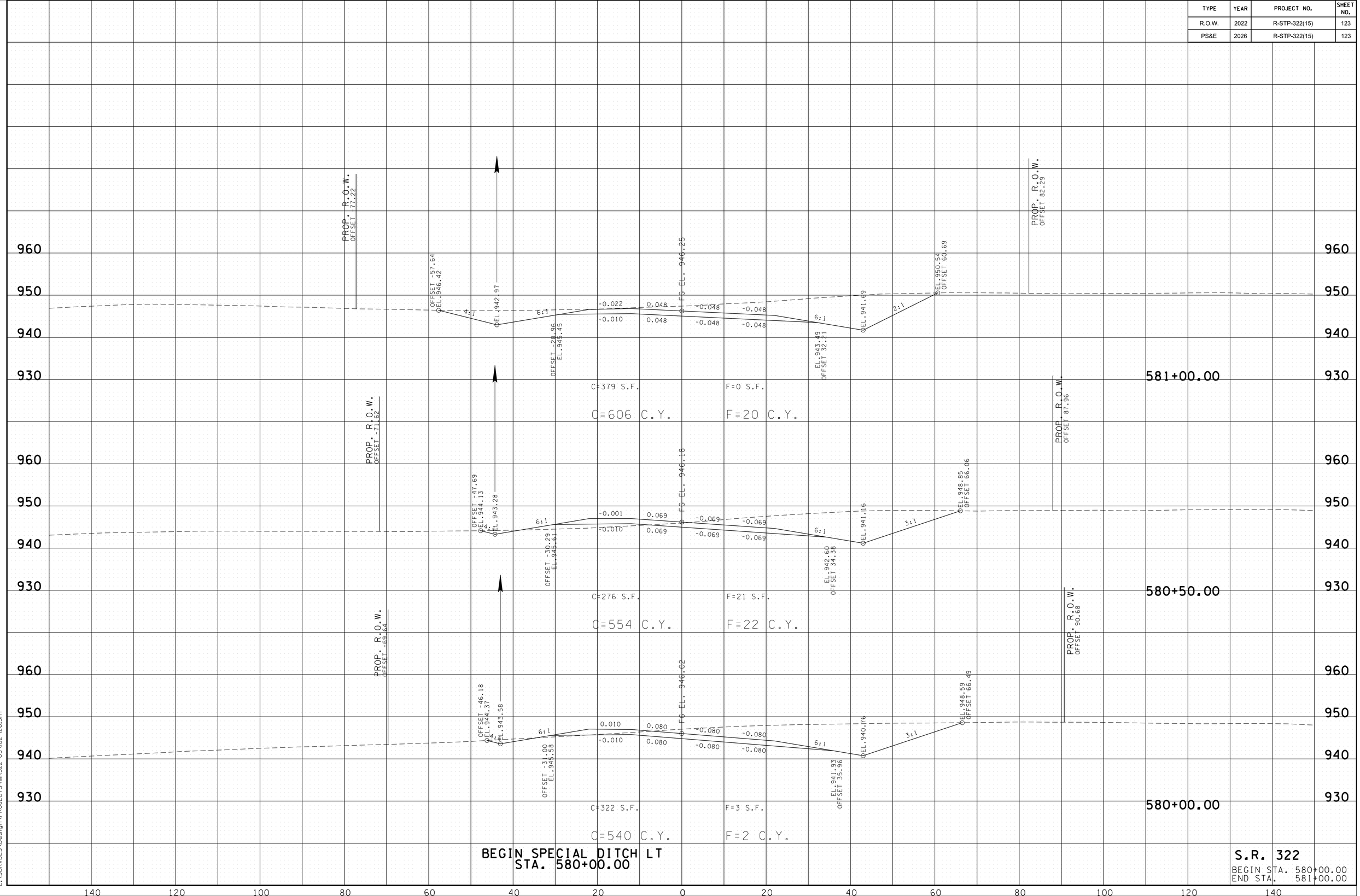
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	123
PS&E	2026	R-STP-322(15)	123



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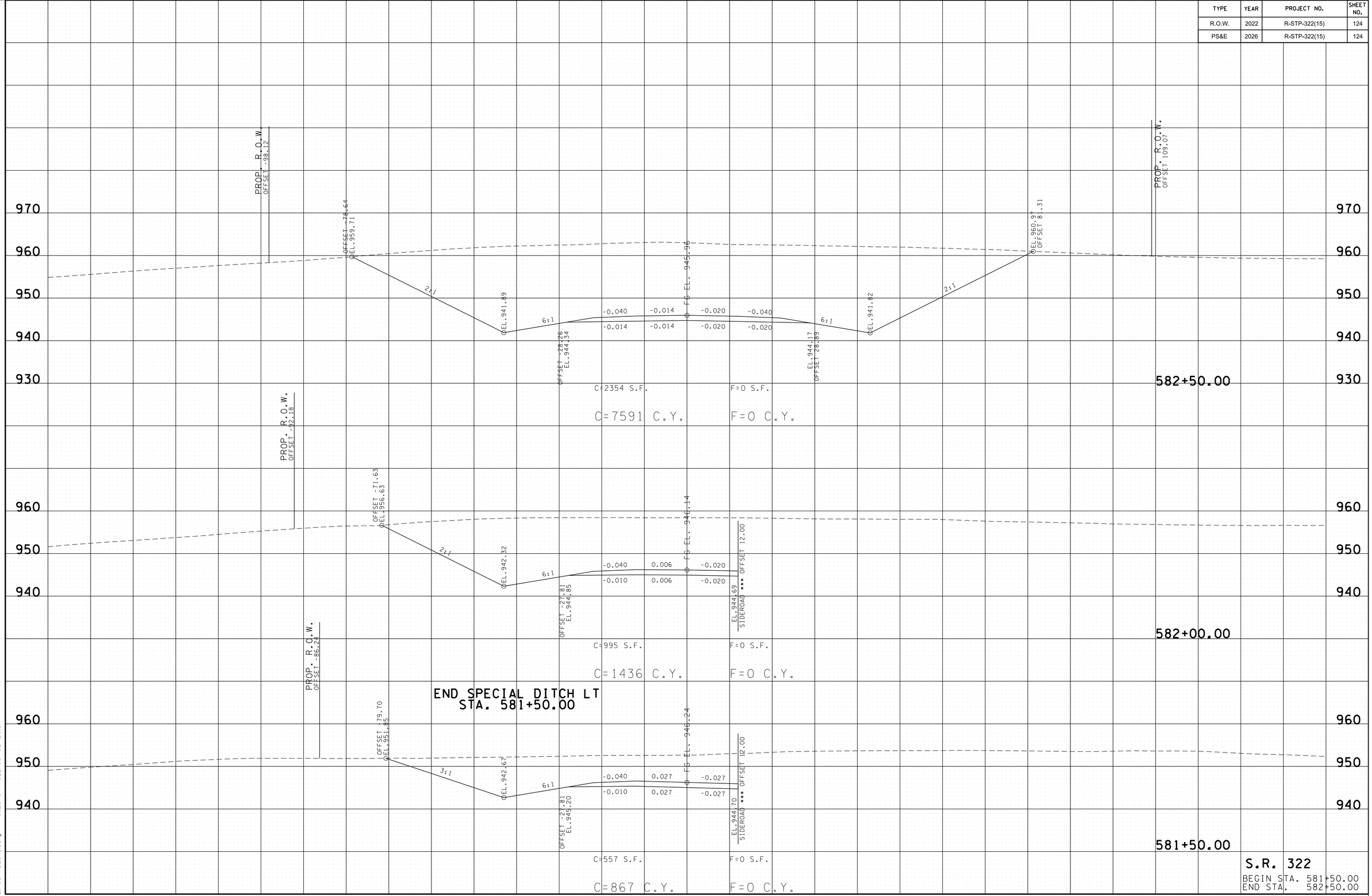
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	124
PS&E	2026	R-STP-322(15)	124



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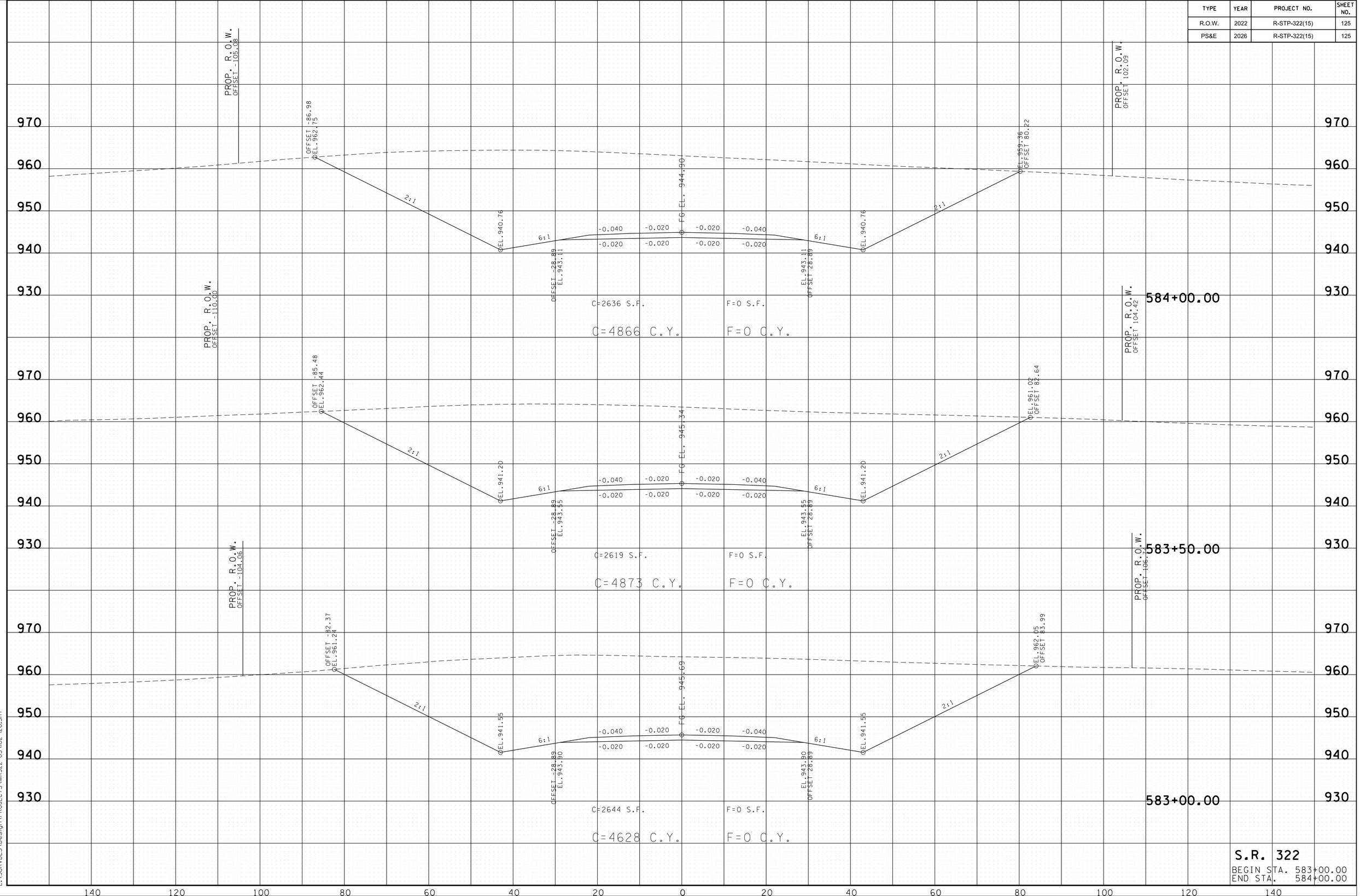
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	125
PS&E	2026	R-STP-322(15)	125



S.R. 322

BEGIN STA. 583+00.00

END STA. 584+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	126
PS&E	2026	R-STP-322(15)	126

PROP. R.O.W.
OFFSET -90.32

OFFSET -76.21
EL. 955.53

2:1

EL. 938.92

6:1

OFFSET -28.89
EL. 941.28

-0.040 -0.020 -0.020 -0.040
-0.020 -0.020 -0.020 -0.020

℄ FG EL. 943.06

EL. 941.28
OFFSET 28.89

6:1

EL. 938.92

2:1

EL. 951.40
OFFSET 67.95

PROP. R.O.W.
OFFSET 95.11

C=1662 S.F. F=0 S.F.

C=3675 C.Y. F=0 C.Y.

585+50.00

PROP. R.O.W.
OFFSET -95.24

OFFSET -82.92
EL. 959.58

2:1

EL. 939.62

6:1

OFFSET -28.89
EL. 941.97

-0.040 -0.020 -0.020 -0.040
-0.020 -0.020 -0.020 -0.020

℄ FG EL. 943.76

EL. 941.97
OFFSET 28.89

6:1

EL. 939.62

2:1

EL. 955.58
OFFSET 74.91

PROP. R.O.W.
OFFSET 97.44

C=2308 S.F. F=0 S.F.

C=4591 C.Y. F=0 C.Y.

585+00.00

PROP. R.O.W.
OFFSET -100.16

OFFSET -86.38
EL. 961.92

2:1

EL. 940.23

6:1

OFFSET -28.89
EL. 942.58

-0.040 -0.020 -0.020 -0.040
-0.020 -0.020 -0.020 -0.020

℄ FG EL. 944.37

EL. 942.58
OFFSET 28.89

6:1

EL. 940.23

2:1

EL. 958.42
OFFSET 79.38

PROP. R.O.W.
OFFSET 99.76

C=2650 S.F. F=0 S.F.

C=4894 C.Y. F=0 C.Y.

584+50.00

960 950 940 930 970

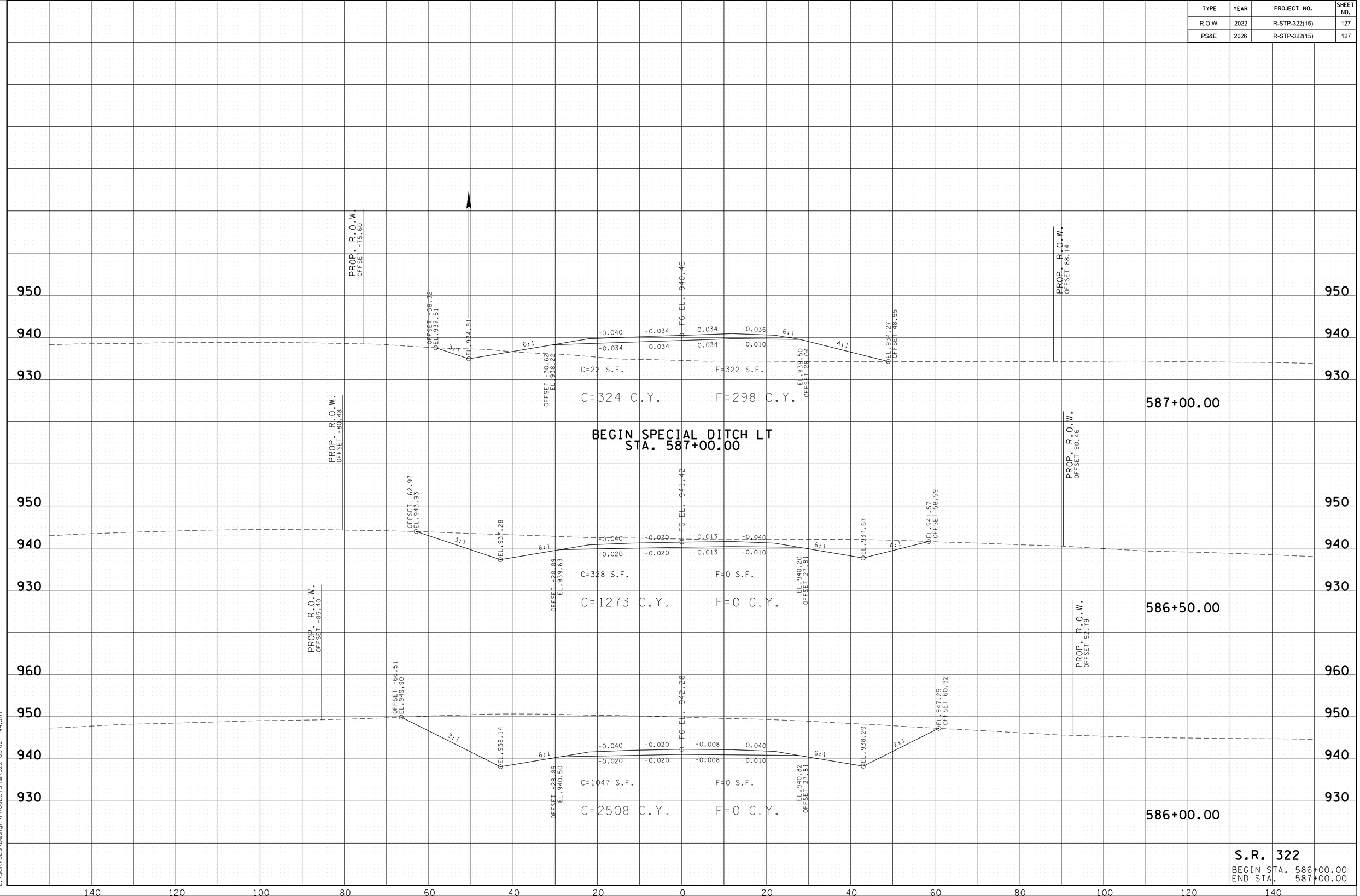
140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

S.R. 322

BEGIN STA. 584+50.00
END STA. 585+50.00

2/24/2026 10:04:30 AM
L:\SURVDES\Design\PROJECTS\MR322-05\102-126.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	127
PS&E	2026	R-STP-322(15)	127



S.R. 322
BEGIN STA. 586+00.00
END STA. 587+00.00

2/24/2026 10:04:32 AM
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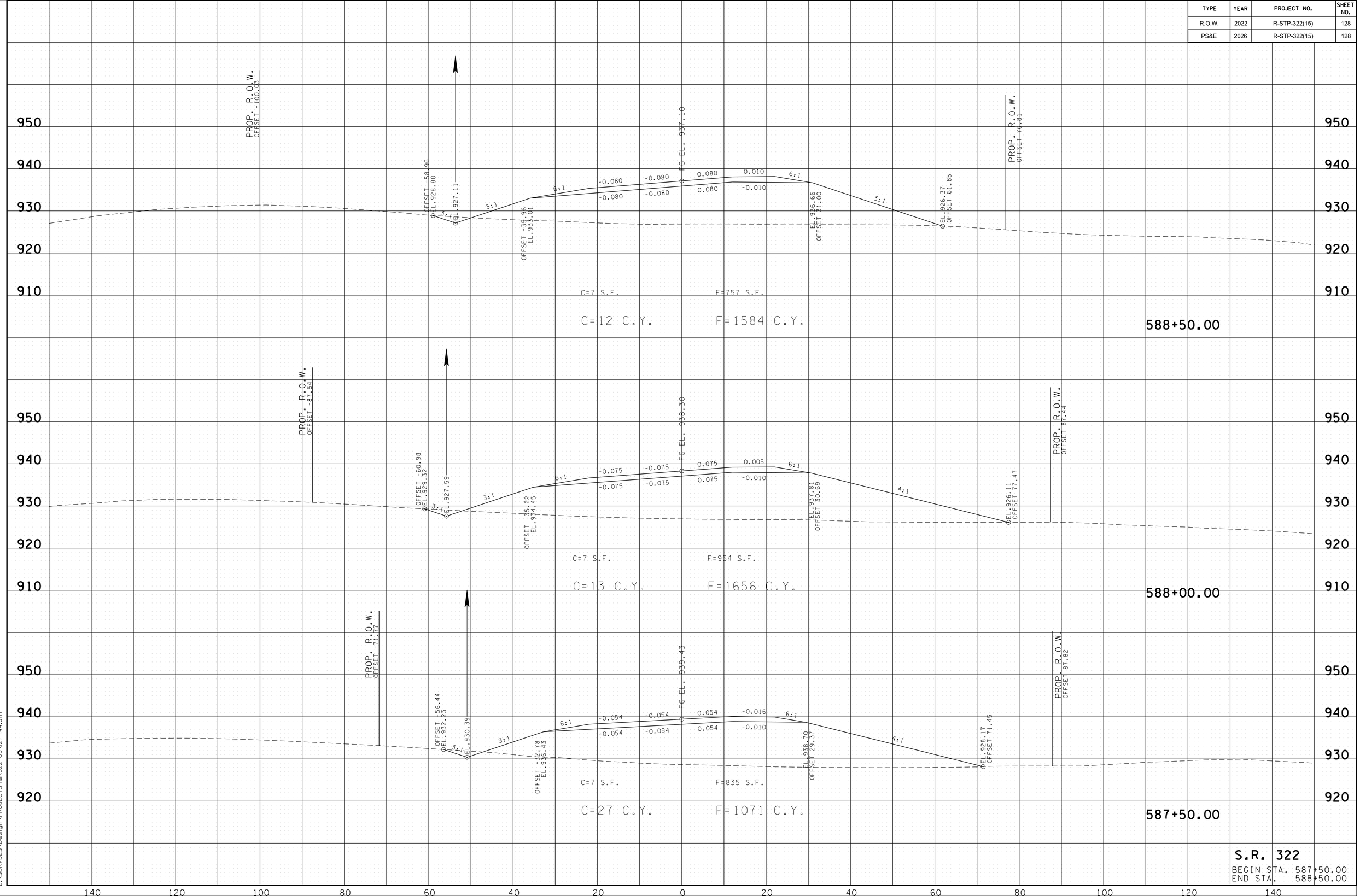
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	128
PS&E	2026	R-STP-322(15)	128



S.R. 322
BEGIN STA. 587+50.00
END STA. 588+50.00

2/24/2026 10:04:33 AM
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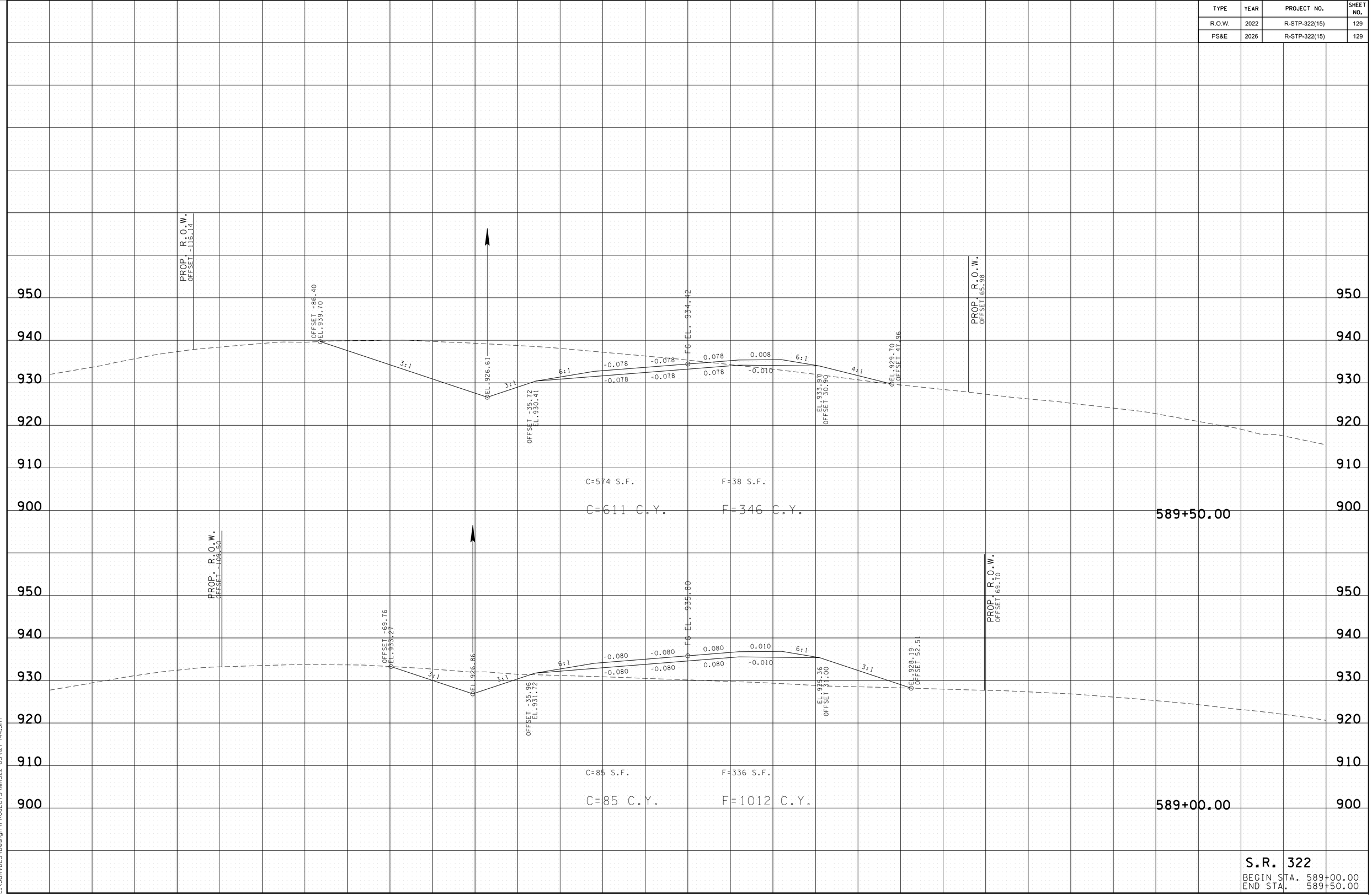
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	129
PS&E	2026	R-STP-322(15)	129



S.R. 322

BEGIN STA. 589+00.00

END STA. 589+50.00

2/24/2026 10:04:35 AM

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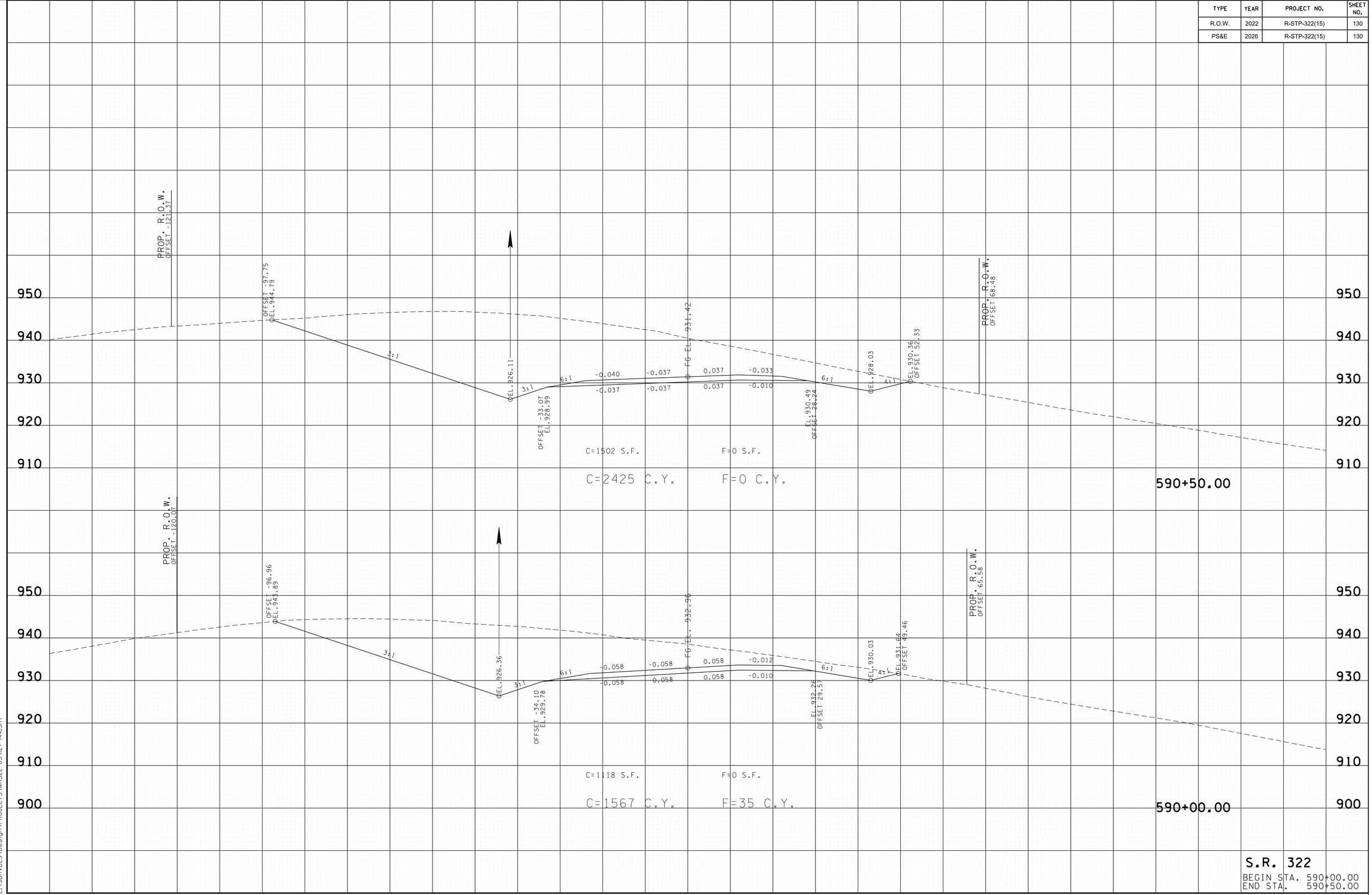
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	130
PS&E	2026	R-STP-322(15)	130



S.R. 322

BEGIN STA. 590+00.00
END STA. 590+50.00

2/24/2026 10:04:36 AM
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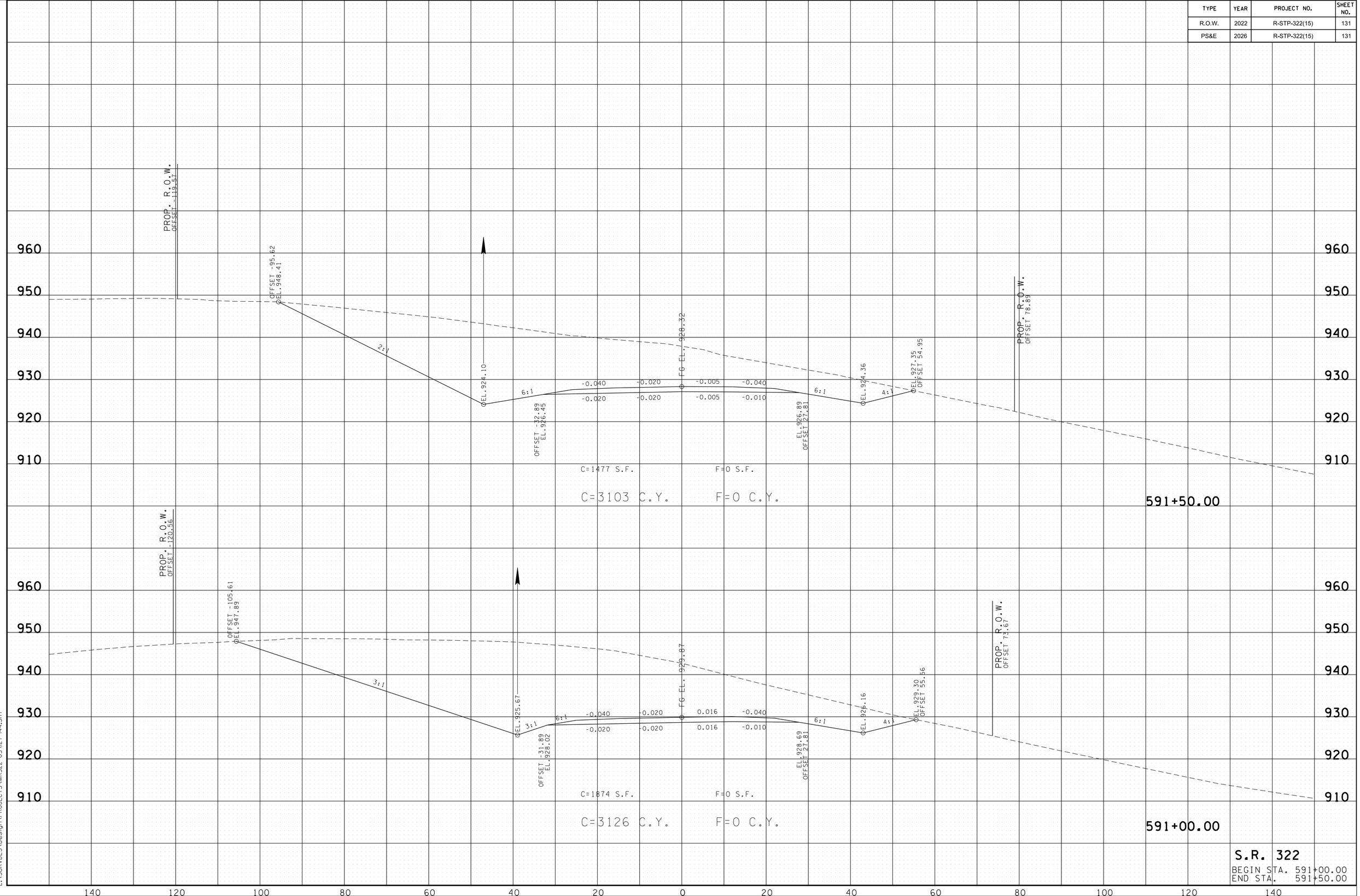
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	131
PS&E	2026	R-STP-322(15)	131



S.R. 322

BEGIN STA. 591+00.00
END STA. 591+50.00

2/24/2026 10:04:37 AM
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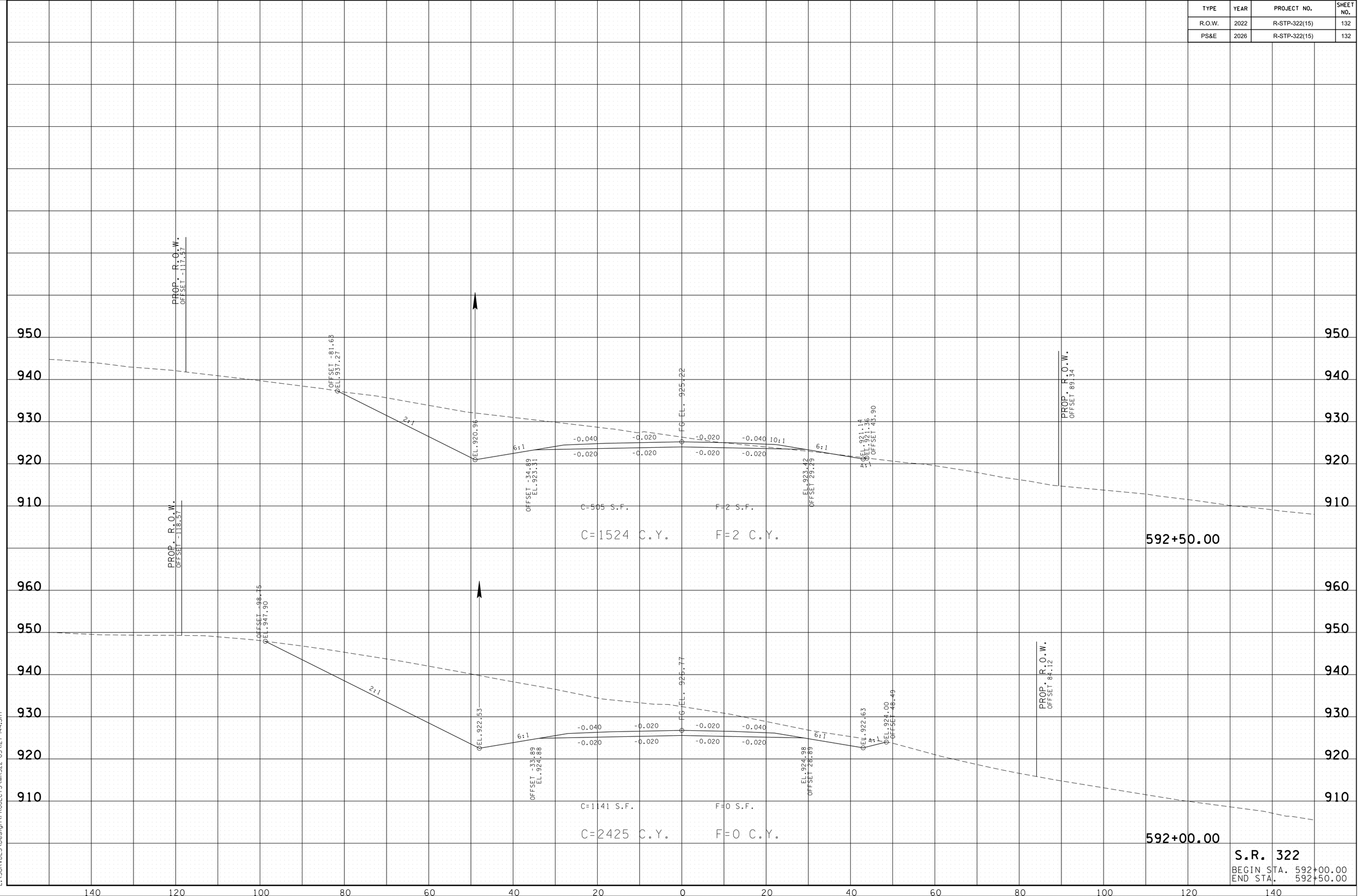
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	132
PS&E	2026	R-STP-322(15)	132



S.R. 322
BEGIN STA. 592+00.00
END STA. 592+50.00

2/24/2026 10:04:38 AM
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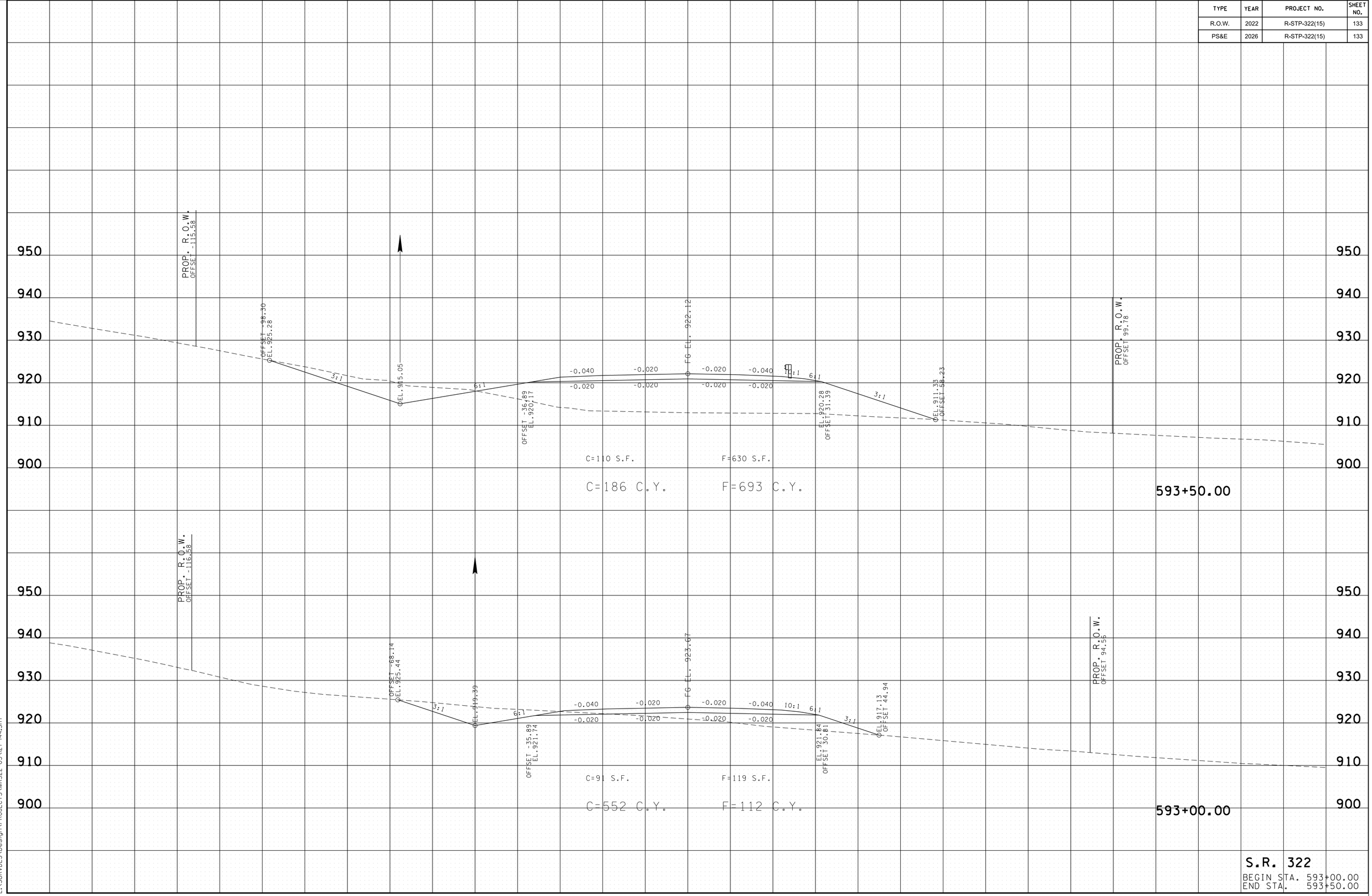
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	133
PS&E	2026	R-STP-322(15)	133



S.R. 322
BEGIN STA. 593+00.00
END STA. 593+50.00

2/24/2026 10:04:40 AM
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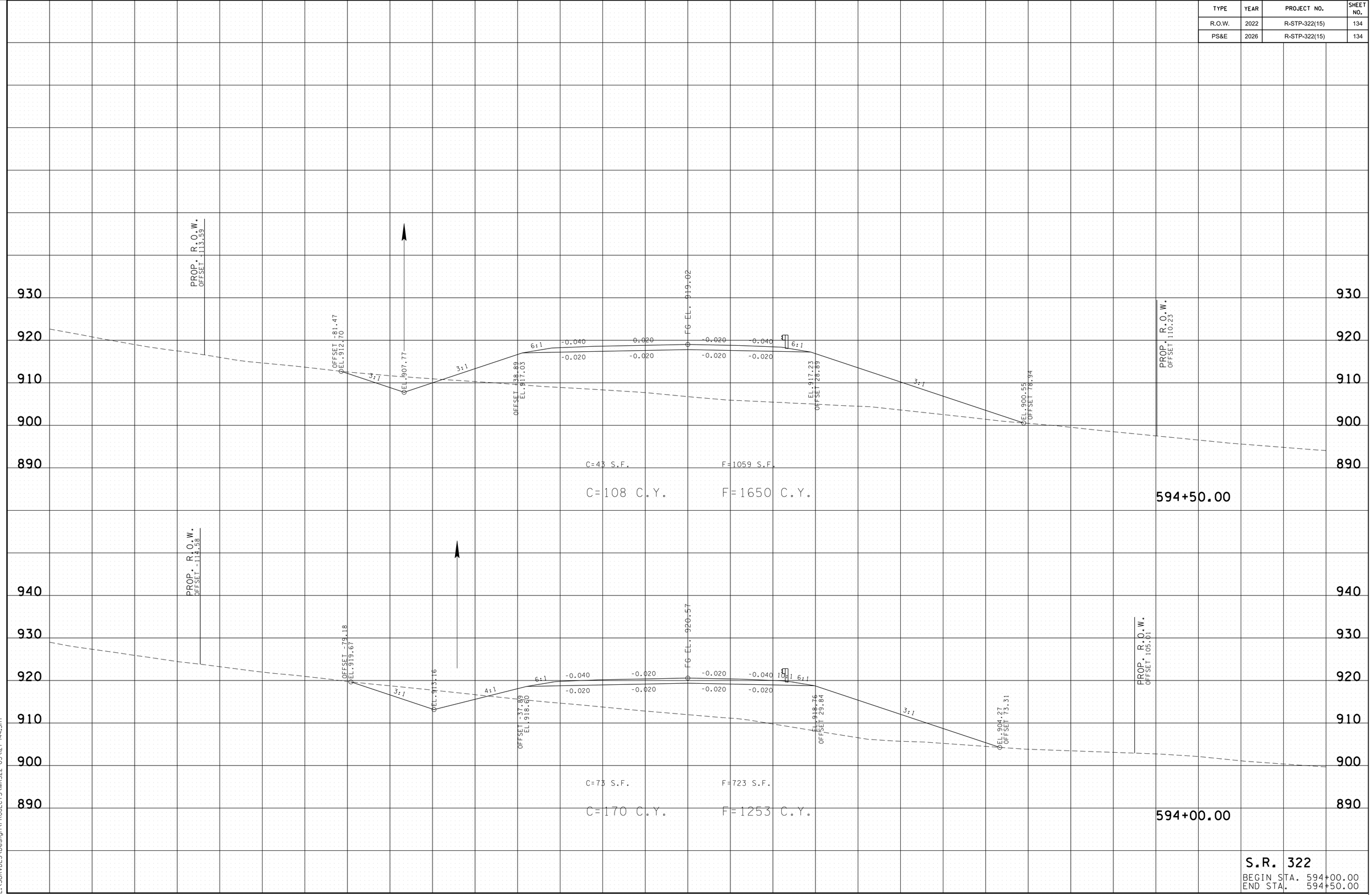
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	134
PS&E	2026	R-STP-322(15)	134



S.R. 322
BEGIN STA. 594+00.00
END STA. 594+50.00

2/24/2026 10:04:41 AM
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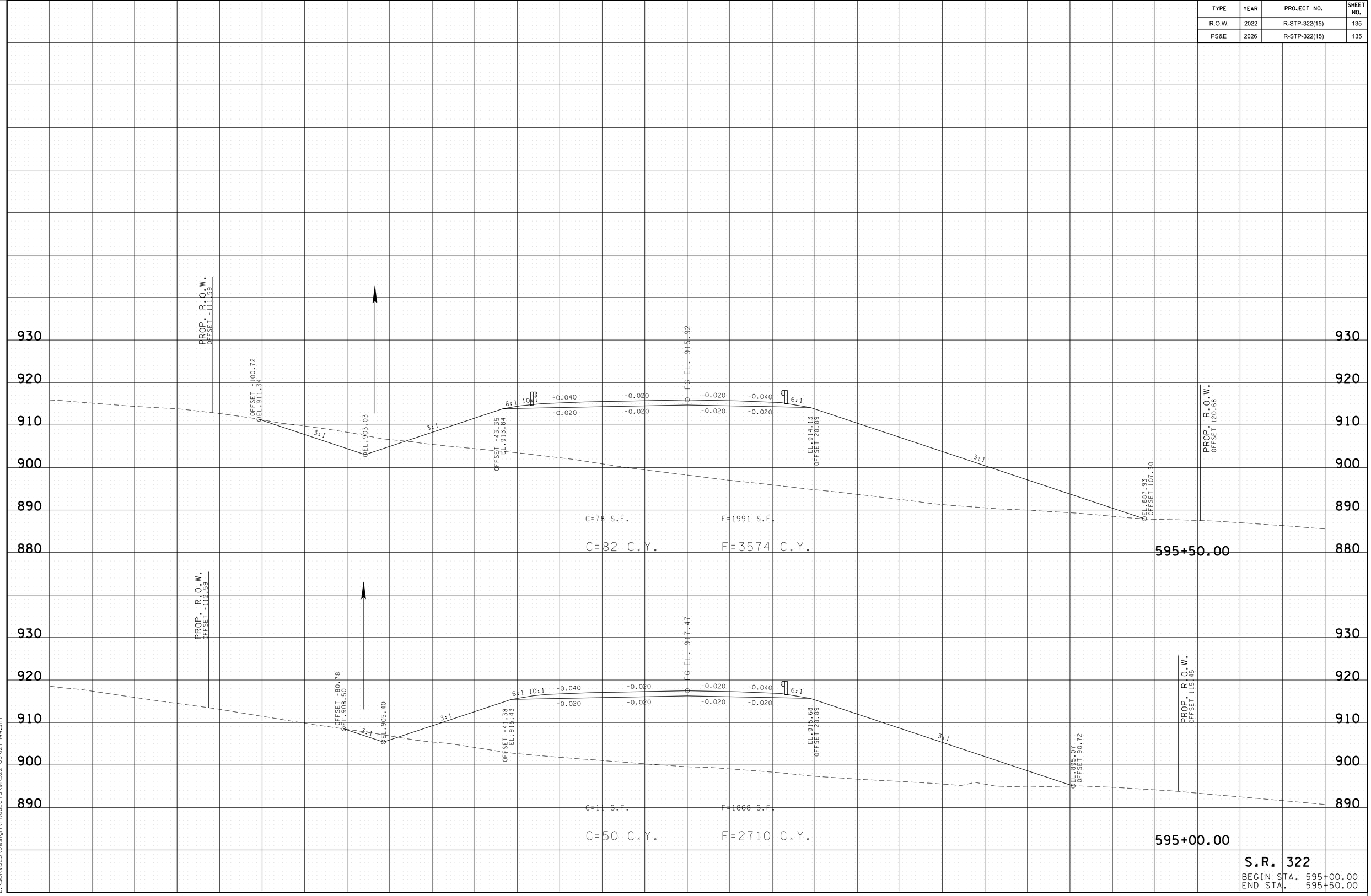
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	135
PS&E	2026	R-STP-322(15)	135



S.R. 322
BEGIN STA. 595+00.00
END STA. 595+50.00

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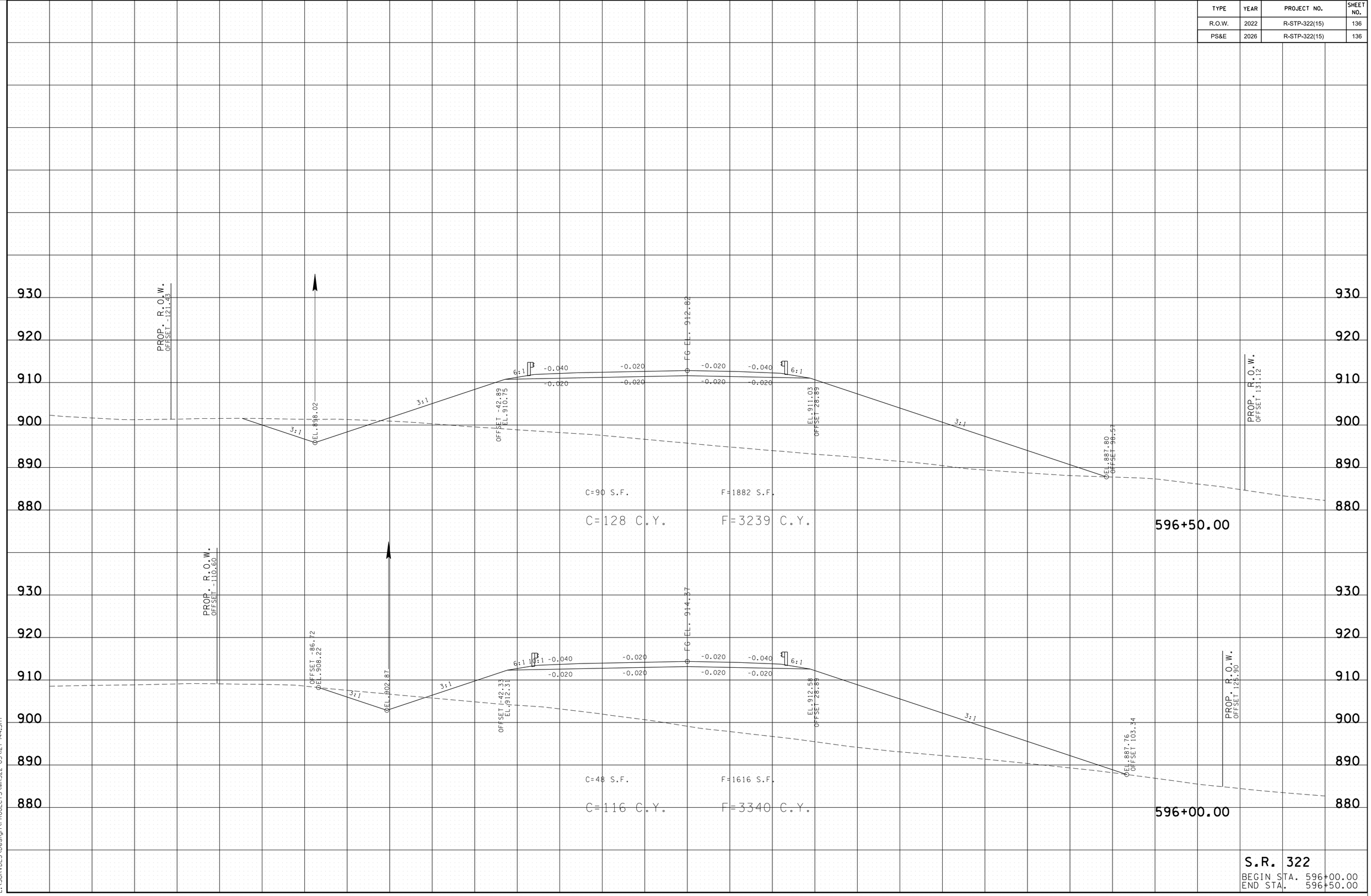
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	136
PS&E	2026	R-STP-322(15)	136



S.R. 322

BEGIN STA. 596+00.00
END STA. 596+50.00

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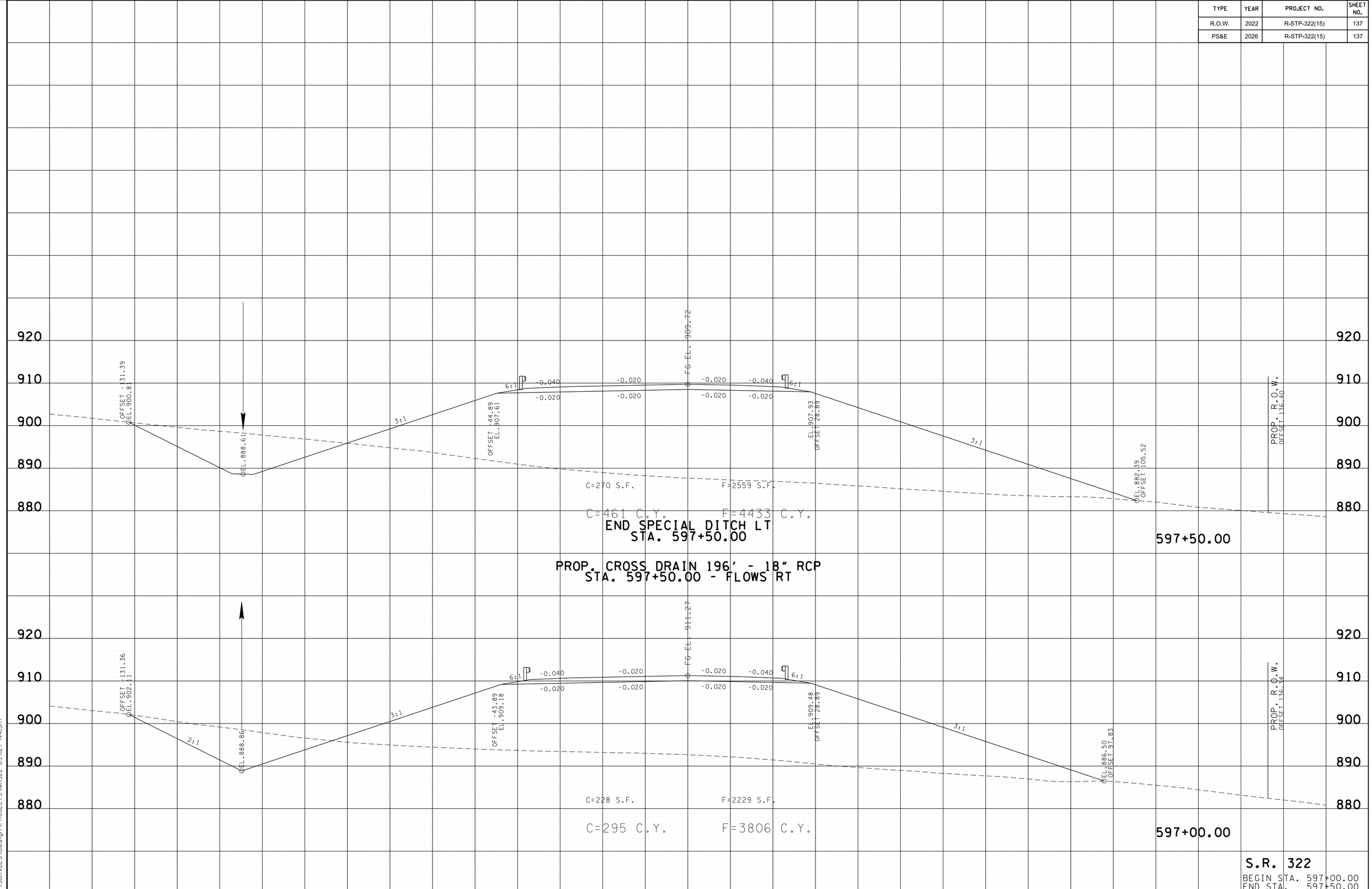
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	137
PS&E	2026	R-STP-322(15)	137



S.R. 322
BEGIN STA. 597+00.00
END STA. 597+50.00

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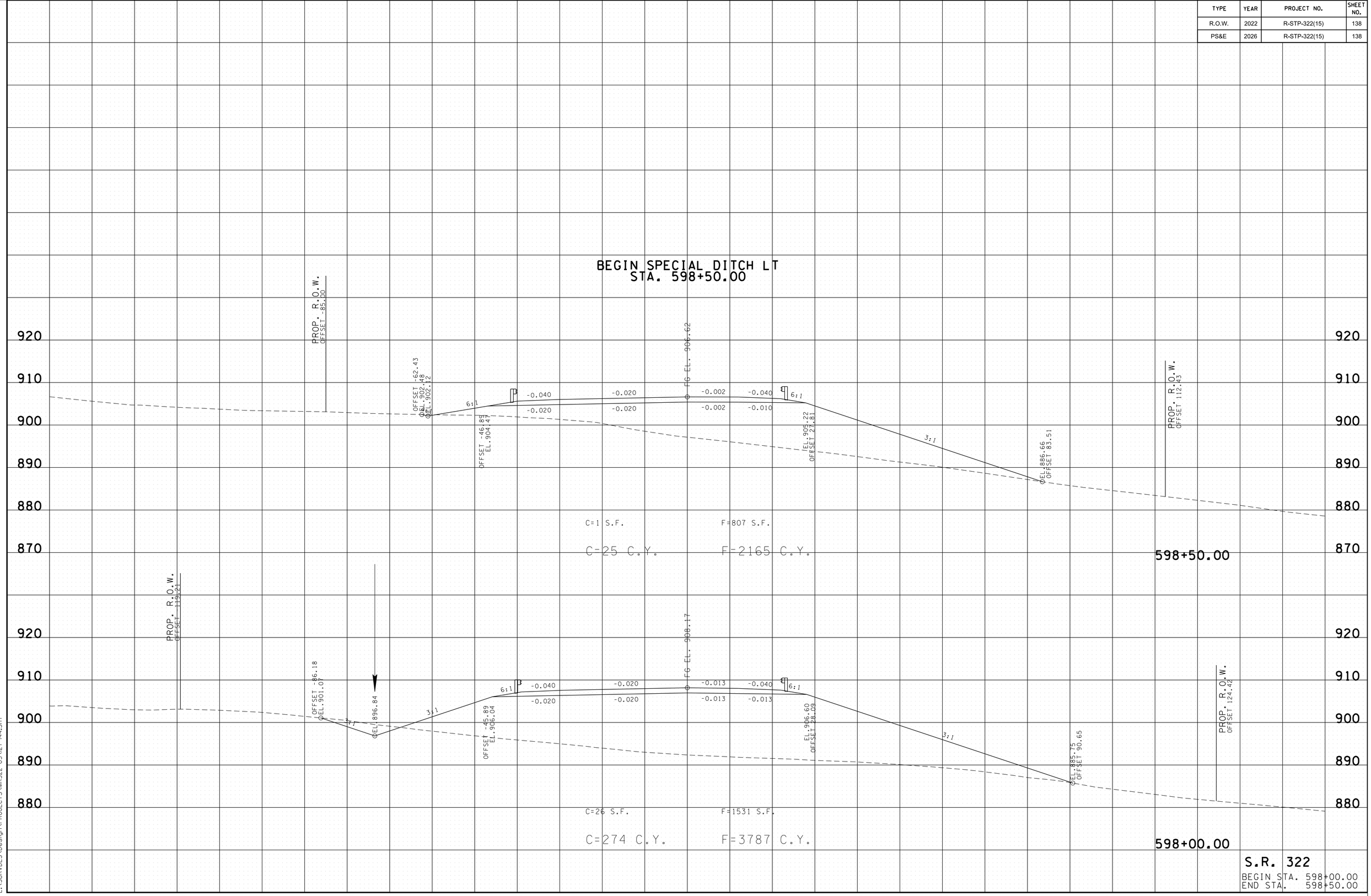
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	138
PS&E	2026	R-STP-322(15)	138



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	139
PS&E	2026	R-STP-322(15)	139

PROP. R.O.W.
OFFSET -104.16

OFFSET -77.43
EL. 900.47

EL. 897.11

OFFSET -50.99
EL. 899.28

FG EL. 901.97

EL. 900.96
OFFSET 27.81

EL. 898.22
OFFSET 38.72

PROP. R.O.W.
OFFSET 76.47

-0.040 -0.029 0.029 -0.040
-0.029 -0.029 0.029 -0.010

6:1 4:1 6:1 6:1 4:1

C=48 S.F. F=129 S.F.

C=61 C.Y. F=330 C.Y.

600+00.00

PROP. R.O.W.
OFFSET -97.77

OFFSET -71.30
EL. 901.06

EL. 898.98

OFFSET -48.89
EL. 901.33

FG EL. 903.52

EL. 902.37
OFFSET 27.81

EL. 894.75
OFFSET 50.67

PROP. R.O.W.
OFFSET 88.46

-0.040 -0.020 0.019 -0.040
-0.020 -0.020 0.019 -0.010

6:1 4:1 6:1 6:1 3:1

C=19 S.F. F=228 S.F.

C=22 C.Y. F=675 C.Y.

599+50.00

PROP. R.O.W.
OFFSET -91.39

OFFSET -66.56
EL. 901.69

EL. 900.55

OFFSET -47.89
EL. 902.90

FG EL. 905.07

EL. 903.80
OFFSET 27.81

EL. 885.46
OFFSET 82.82

PROP. R.O.W.
OFFSET 100.44

-0.040 -0.020 0.008 -0.040
-0.020 -0.020 0.008 -0.010

6:1 4:1 6:1 6:1 3:1

C=5 S.F. F=501 S.F.

C=5 C.Y. F=1211 C.Y.

599+00.00

910 900 890 880 920 910 900 890 880 920 910 900 890 880 870

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

S.R. 322
BEGIN STA. 599+00.00
END STA. 600+00.00

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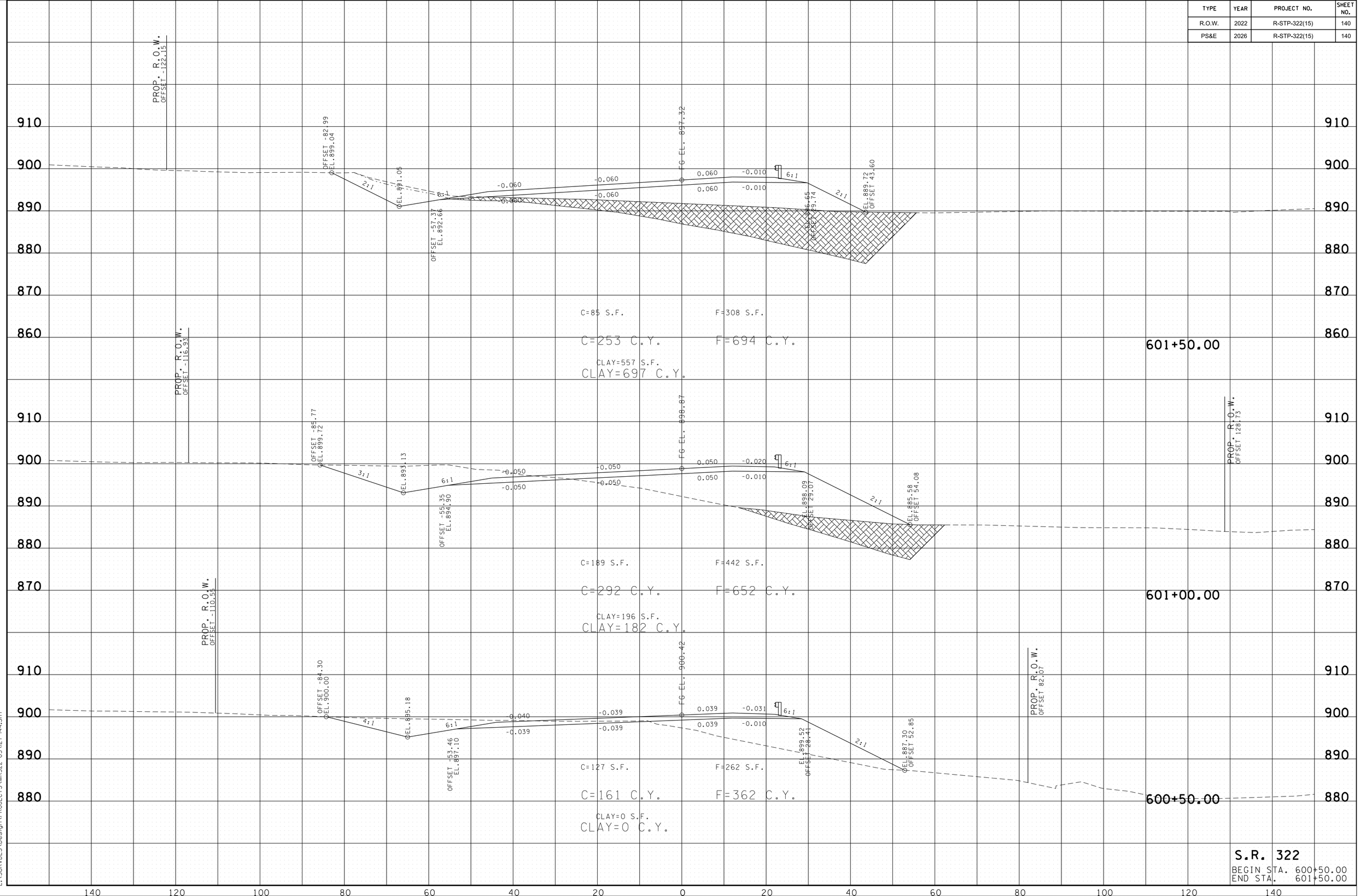
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	140
PS&E	2026	R-STP-322(15)	140



S.R. 322

BEGIN STA. 600+50.00

END STA. 601+50.00

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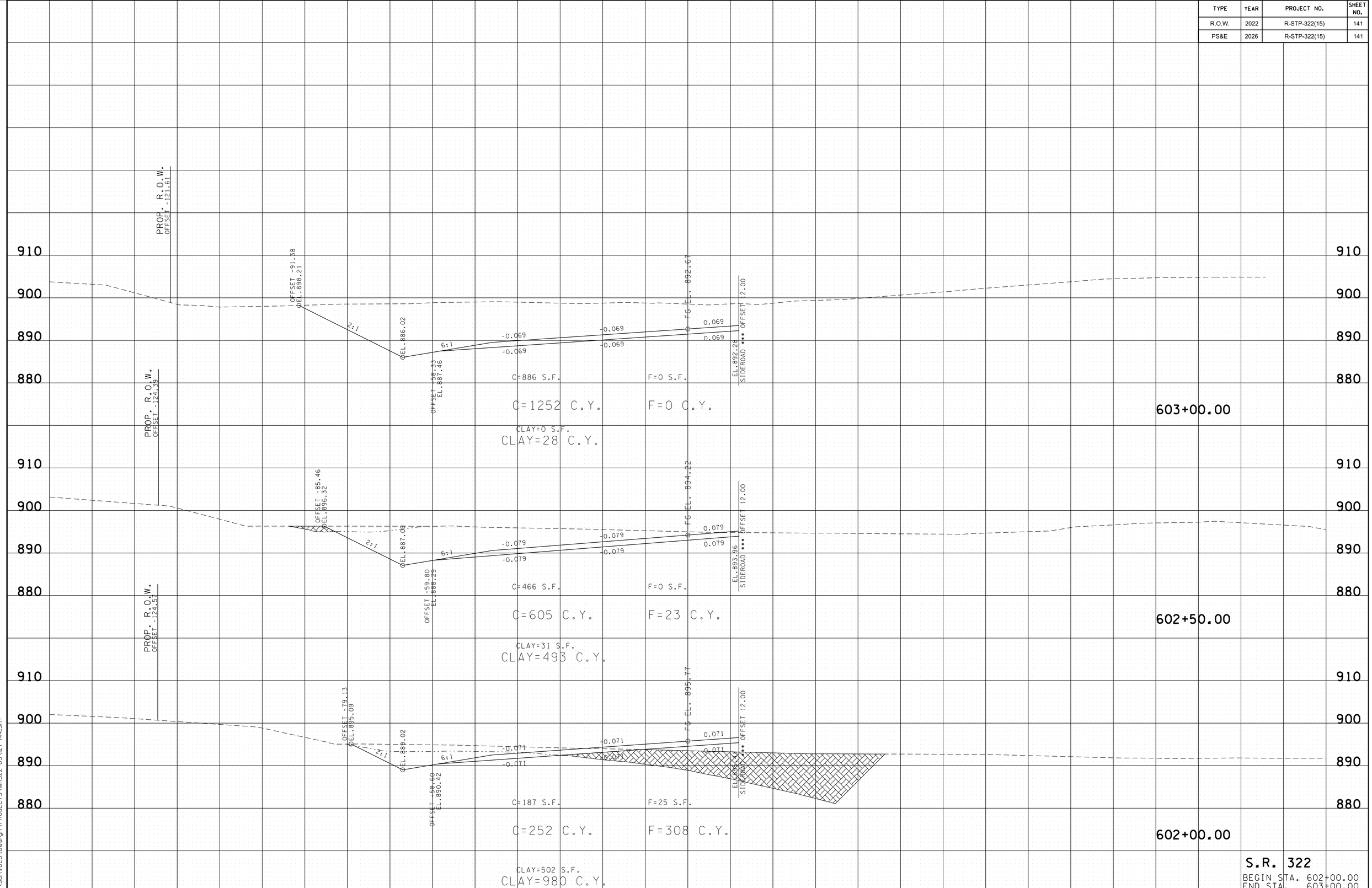
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	141
PS&E	2026	R-STP-322(15)	141



S.R. 322
BEGIN STA. 602+00.00
END STA. 603+00.00

2/24/2026 10:04:50 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	142
PS&E	2026	R-STP-322(15)	142

PRES. R.O.W. OFFSET -138.6

OFFSET -103.80 EL.901.22

2:1

EL.882.81

6:1

-0.040 -0.037

-0.037 -0.037

OFFSET 55.14 EL.884.79

C=1445 S.F.

C=2600 C.Y.

FG EL. 888.06

0.037 -0.033

0.037 -0.010

F=0 S.F.

F=0 C.Y.

EL. 887.13 OFFSET 28.27

6:1

EL.884.68

2:1

EL.893.44 OFFSET 60.52

PROP. R.O.W. OFFSET 73.70

604+50.00

PRES. R.O.W. OFFSET -94.58

PROP. R.O.W. OFFSET 81.26

PRES. R.O.W. OFFSET 149.95

OFFSET -104.56 EL.902.66

2:1

EL.883.87

6:1

-0.048 -0.048

-0.048 -0.048

OFFSET -59.17 EL.885.68

C=1363 S.F.

C=2765 C.Y.

FG EL. 889.57

0.048 -0.022

0.048 -0.010

F=0 S.F.

F=0 C.Y.

EL. 888.76 OFFSET 28.94

6:1

EL.886.42

2:1

EL.894.85 OFFSET 59.86

PROP. R.O.W. OFFSET -126.72

PRES. R.O.W. OFFSET -111.17

OFFSET -98.98 EL.900.94

2:1

EL.884.95

6:1

-0.058 -0.058

-0.058 -0.058

OFFSET -57.15 EL.886.59

C=1623 S.F.

C=2323 C.Y.

FG EL. 891.12

0.058 -0.012

0.058 -0.010

F=0 S.F.

F=0 C.Y.

EL. 890.43 OFFSET 29.60

6:1

EL.888.20

2:1

EL.900.75 OFFSET 68.10

604+00.00

PRES. R.O.W. OFFSET 109.57

603+50.00

910 900 890 880

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

S.R. 322

BEGIN STA. 603+50.00
END STA. 604+50.00

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L:\SURVDES\Design\PROJECTS\MR322-05\27-144.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	143
PS&E	2026	R-STP-322(15)	143

606+00.00

PROP. R.O.W.
OFFSET 71.25

OFFSET -103.16
EL.898.66

EL.880.58

2:1

6:1

-0.040
-0.010

-0.006
-0.006

FG EL. 884.70

0.006
0.006

-0.040
-0.010

6:1

4:1

EL.880.87

2:1

EL.891.62
OFFSET 59.44

OFFSET -51.81
EL.883.11

EL.883.40
OFFSET 27.81

C=1538 S.F.

F=0 S.F.

C=2927 C.Y.

F=0 C.Y.

BEGIN SPECIAL DITCH RT
STA. 606+00.00

605+50.00

PROP. R.O.W.
OFFSET 68.74

OFFSET -104.82
EL.900.03

EL.881.12

2:1

6:1

-0.040
-0.016

-0.016
-0.016

FG EL. 885.61

0.016
0.016

-0.040
-0.010

6:1

EL.881.91

2:1

EL.891.53
OFFSET 62.24

OFFSET -52.49
EL.883.54

EL.884.44
OFFSET 27.81

C=1624 S.F.

F=0 S.F.

C=2888 C.Y.

F=0 C.Y.

PRES. R.O.W.
OFFSET -150.09

PROP. R.O.W.
OFFSET 69.56

OFFSET -103.78
EL.900.25

EL.881.86

2:1

6:1

-0.040
-0.027

-0.027
-0.027

FG EL. 886.73

0.027
0.027

-0.040
-0.010

6:1

EL.883.15

2:1

EL.892.49
OFFSET 61.68

OFFSET -63.72
EL.884.08

EL.885.69
OFFSET 27.81

C=1496 S.F.

F=0 S.F.

C=2723 C.Y.

F=0 C.Y.

605+00.00

910
900
890
880
870

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

S.R. 322
BEGIN STA. 605+00.00
END STA. 606+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	144
PS&E	2026	R-STP-322(15)	144

880

870

880

C=0 S.F. F=0 S.F.

C=37 C.Y. F=96 C.Y.

880

607+50.00

900

890

880

870

OFFSET -110.18
EL. 884.10

4:1

EL. 880.55

6:1

OFFSET -80.77
EL. 883.08

-0.040
-0.010

0.015
0.015

FG EL. 883.48

-0.015
-0.015

-0.040
-0.015

6:1

EL. 878.88

EL. 879.79
OFFSET 82.16

C=55 S.F. F=142 S.F.

C=1095 C.Y. F=132 C.Y.

EL. 881.33
OFFSET 63.84

PROP. CROSS DRAIN 153' - 36" RCP
STA. 606+92.51 - FLOWS RT

607+00.00

END SPECIAL DITCH RT
STA. 606+50.00

900

890

880

870

OFFSET -96.78
EL. 892.94

2:1

EL. 880.17

6:1

PRES. R.O.W.
OFFSET 49.38

-0.040
-0.010

0.004
0.004

FG EL. 883.99

-0.004
-0.004

-0.040
-0.010

6:1

4:1

EL. 879.92

2:1

EL. 890.37
OFFSET 64.62

C=1128 S.F. F=0 S.F.

C=2468 C.Y. F=0 C.Y.

OFFSET -55.65
EL. 882.77

EL. 882.53
OFFSET 32.28

606+50.00

S.R. 322
BEGIN STA. 606+50.00
END STA. 608+00.00

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

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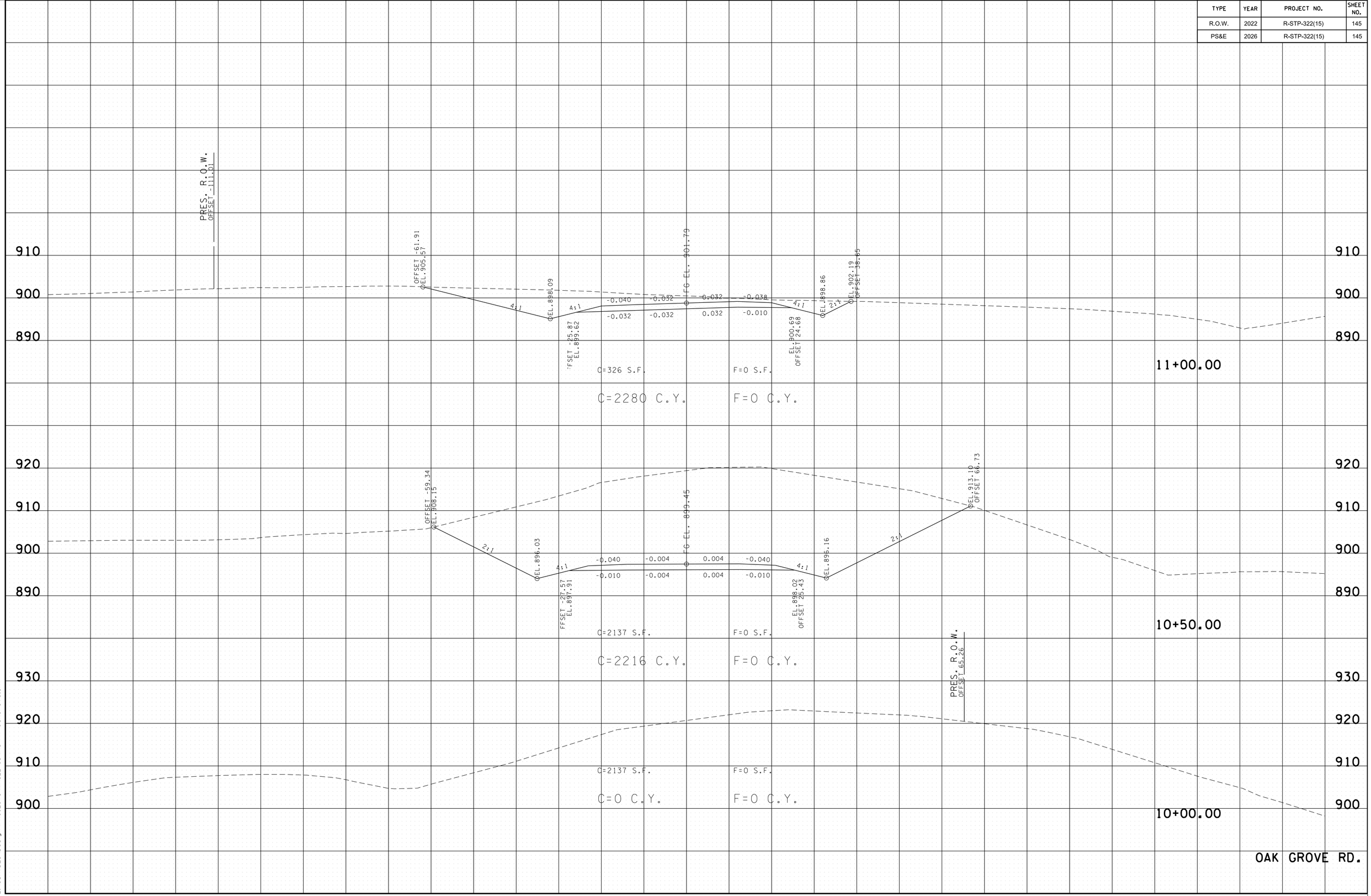
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	145
PS&E	2026	R-STP-322(15)	145



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	146
PS&E	2026	R-STP-322(15)	146

PROP. R.O.W. OFFSET -78.56

PRES. R.O.W. OFFSET -41.61

PRES. R.O.W. OFFSET 94.21

OFFSET -40.58
EL. 904.69

EL. 900.40

OFFSET -24.63
EL. 902.24

FG EL. 903.80

EL. 900.41
OFFSET 32.58

EL. 902.40
OFFSET 24.62

-0.040 -0.007 0.007 -0.040
-0.010 -0.007 0.007 -0.010

4:1 4:1

C=94 S.F. F=8 S.F.

C=265 C.Y. F=8 C.Y.

12+50.00

PROP. R.O.W. OFFSET -92.59

PRES. R.O.W. OFFSET -36.49

PRES. R.O.W. OFFSET 134.10

OFFSET -65.07
EL. 905.78

EL. 900.27

OFFSET -26.05
EL. 901.76

FG EL. 904.00

EL. 901.18
OFFSET 33.97

EL. 902.94
OFFSET 24.77

-0.040 -0.034 0.034 -0.036
-0.034 -0.034 0.034 -0.010

6:1 4:1 4:1

C=192 S.F. F=0 S.F.

C=436 C.Y. F=0 C.Y.

12+00.00

PROP. R.O.W. OFFSET -90.63

PRES. R.O.W. OFFSET -47.49

OFFSET -75.02
EL. 906.32

EL. 899.15

OFFSET -27.07
EL. 900.38

FG EL. 903.33

EL. 900.95
OFFSET 35.45

EL. 902.56
OFFSET 25.60

-0.059 -0.059 0.059 -0.011
-0.059 -0.059 0.059 -0.010

6:1 4:1 4:1

C=279 S.F. F=0 S.F.

C=559 C.Y. F=0 C.Y.

11+50.00

OAK GROVE RD.

930 920 910 900 890

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

2/24/2026 10:04:55 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	147
PS&E	2026	R-STP-322(15)	147

14+00.00

PRES. R.O.W.
OFFSET -41.34

PRES. R.O.W.
OFFSET 53.41

C=0 S.F.
C=43 C.Y.

F=0 S.F.
F=0 C.Y.

LIMIT OF CONSTRUCTION
END GRADE AND DRAIN
13+80.00

PRES. R.O.W.
OFFSET -41.99

PRES. R.O.W.
OFFSET 55.48

OFFSET -37.11
@EL.901.25

FG EL. 902.52

4:1 0.040 0.030 -0.048 -0.048 4:1 2:1

-0.010 0.030 -0.048 -0.048

@EL.906.14
OFFSET 36.62

OFFSET -21.38
EL.901.41

@EL. 899.83

EL. 900.05
OFFSET 23.10

13+50.00

C=77 S.F.
C=237 C.Y.

F=0 S.F.
F=5 C.Y.

PRES. R.O.W.
OFFSET -39.53

PRES. R.O.W.
OFFSET 42.67

OFFSET 903.85

FG EL. 903.16

@EL. 900.09

4:1 4:1 -0.040 0.021 -0.021 -0.040 4:1 2:1

-0.010 0.021 -0.021 -0.021

@EL. 911.68
OFFSET 56.17

PRES. R.O.W.
OFFSET 63.49

OFFSET -24.63
EL. 901.93

EL. 901.28
OFFSET 25.22

@EL. 899.59

13+00.00

C=179 S.F.
C=253 C.Y.

F=5 S.F.
F=12 C.Y.

OAK GROVE RD.

920 910 900 890 930

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	151
PS&E	2026	R-STP-322(15)	148

PROP. R.O.W.
OFFSET -51.08

PRES. R.O.W.
OFFSET -16.38

PRES. R.O.W.
OFFSET 13.53

PROP. R.O.W.
OFFSET 34.90

OFFSET -24.79
EL. 858.15

OFFSET -13.29
EL. 854.10

EL. 853.25

0.019 -0.019 -0.055 -0.055

0.019 -0.019 -0.055 -0.055

50:1

EL. 853.51
OFFSET 18.91

EL. 853.62
OFFSET 13.47

C=51 S.F. F=0 S.F.

C=83 C.Y. F=0 C.Y.

21+00.00

END SPECIAL DITCH LT
STA. 20+70.00

PROP. R.O.W.
OFFSET -43.10

PRES. R.O.W.
OFFSET -17.36

PRES. R.O.W.
OFFSET 12.54

PROP. R.O.W.
OFFSET 40.00

OFFSET -15.65
EL. 854.75

EL. 852.75

0.019 -0.019 -0.082 -0.082

0.019 -0.019 -0.082 -0.082

50:1

EL. 851.92
OFFSET 31.29

OFFSET -11.07
EL. 853.04

EL. 852.32
OFFSET 11.37

C=39 S.F. F=0 S.F.

C=36 C.Y. F=0 C.Y.

20+50.00

BEGIN GRADE AND DRAIN
STA. 20+35.00

PRES. R.O.W.
OFFSET -17.00

PRES. R.O.W.
OFFSET 12.90

C=0 S.F. F=0 S.F.

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

20+00.00

EL. 852.48

STA. 19+70.00
BEGIN CLEAN &
RESHAPE DITCH

LIMIT OF CONSTRUCTION
STA. 19+70.00
BEGIN SPECIAL DITCH LT
STA. 19+70.00

19+70.00 HENDRIX LOOP RD.

870 860 850 840

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

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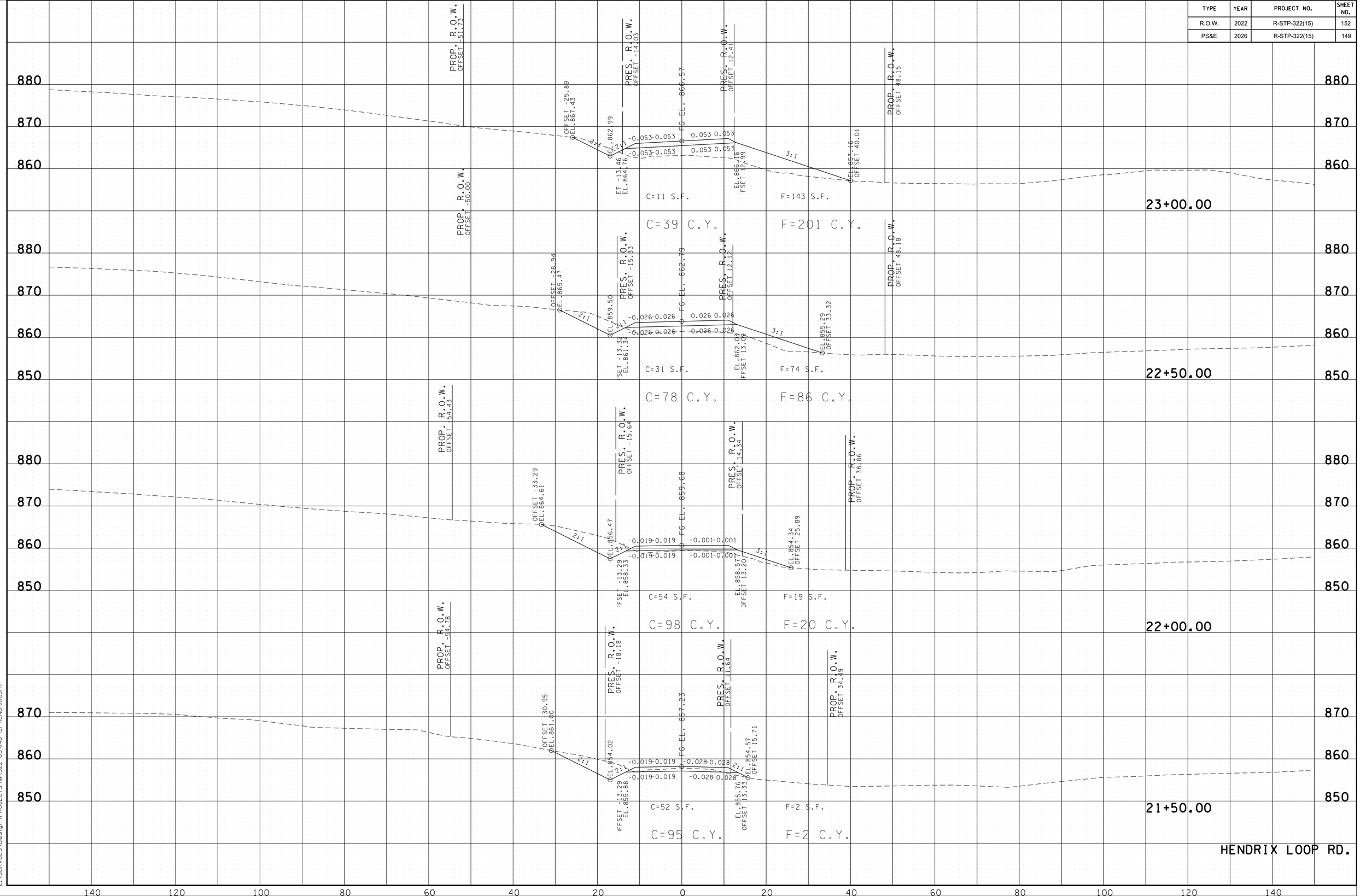
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	152
PS&E	2026	R-STP-322(15)	149



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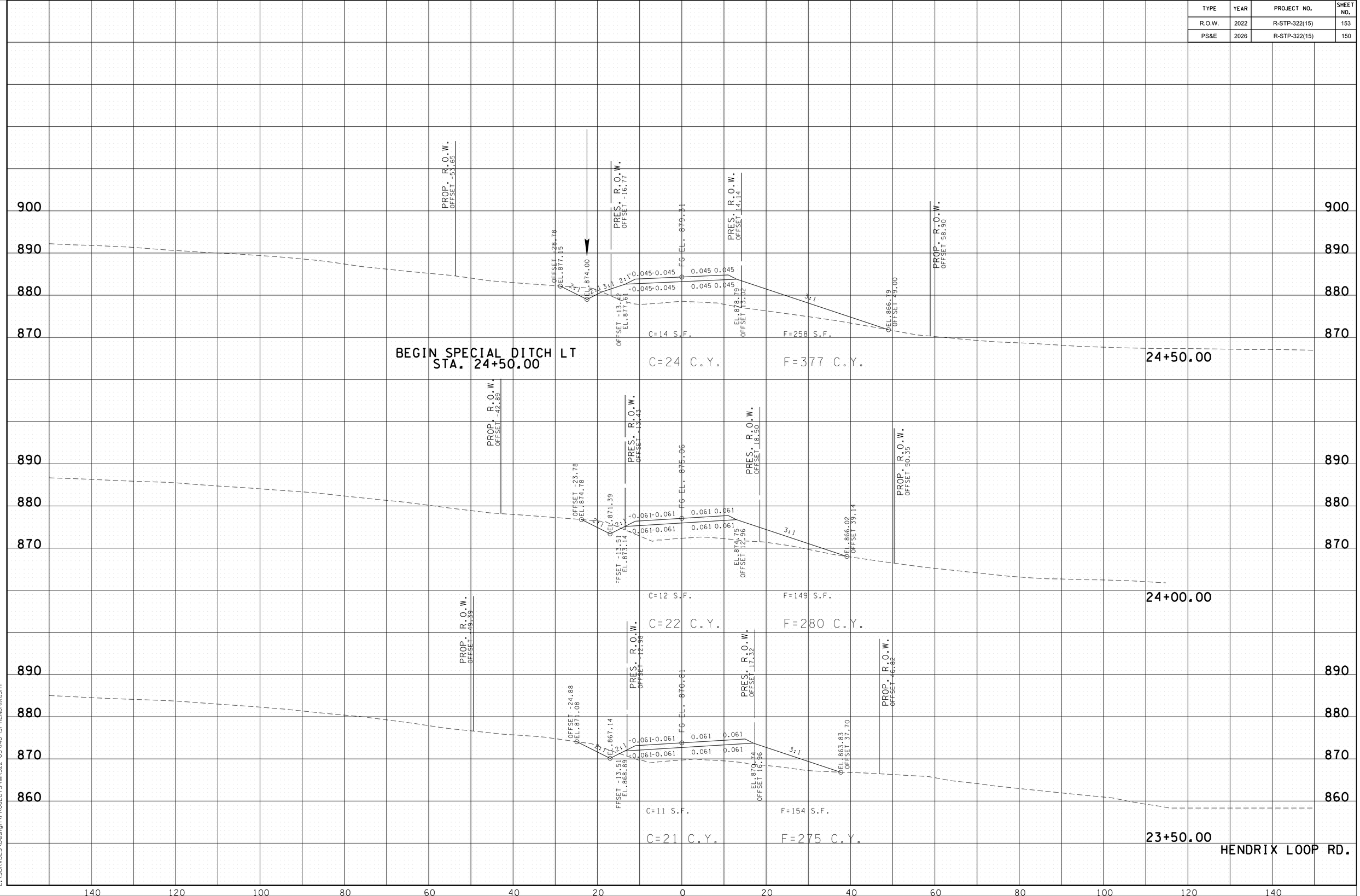
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	153
PS&E	2026	R-STP-322(15)	150



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	154
PS&E	2026	R-STP-322(15)	151

C=19 S.F.

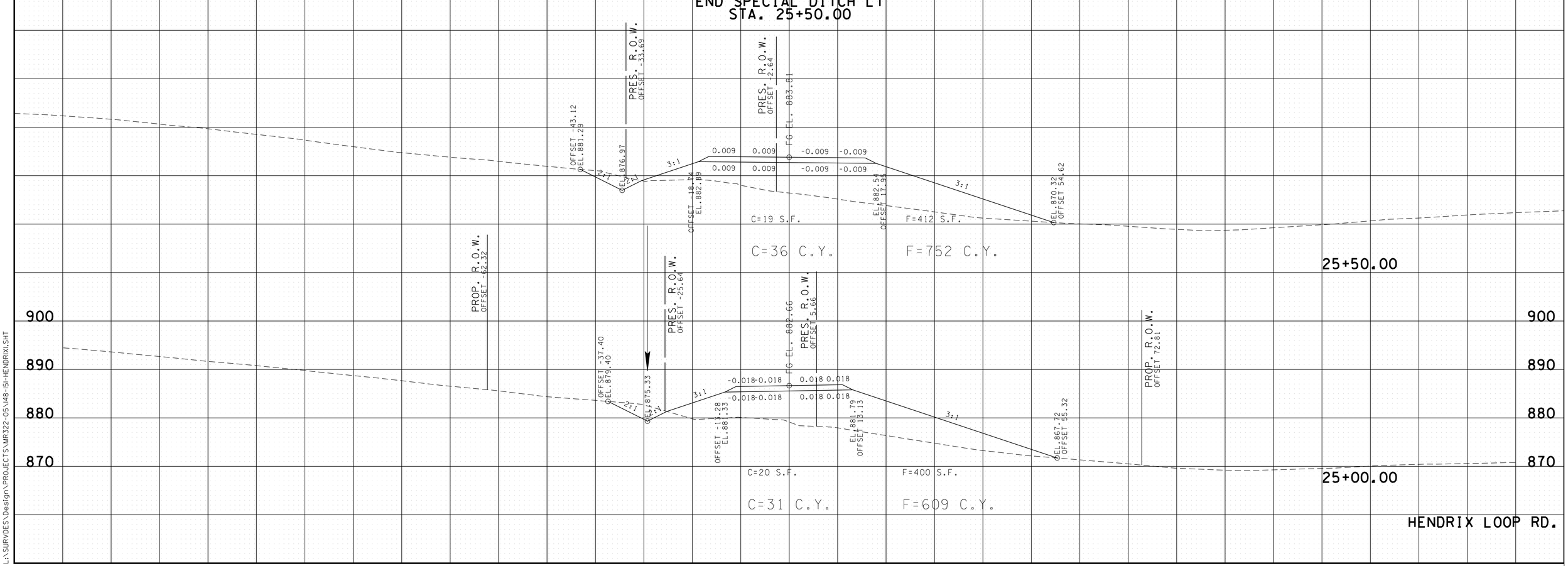
F=412 S.F.

26+00.00

C=20 C.Y.

F=427 C.Y.

END SPECIAL DITCH LT
STA. 25+50.00



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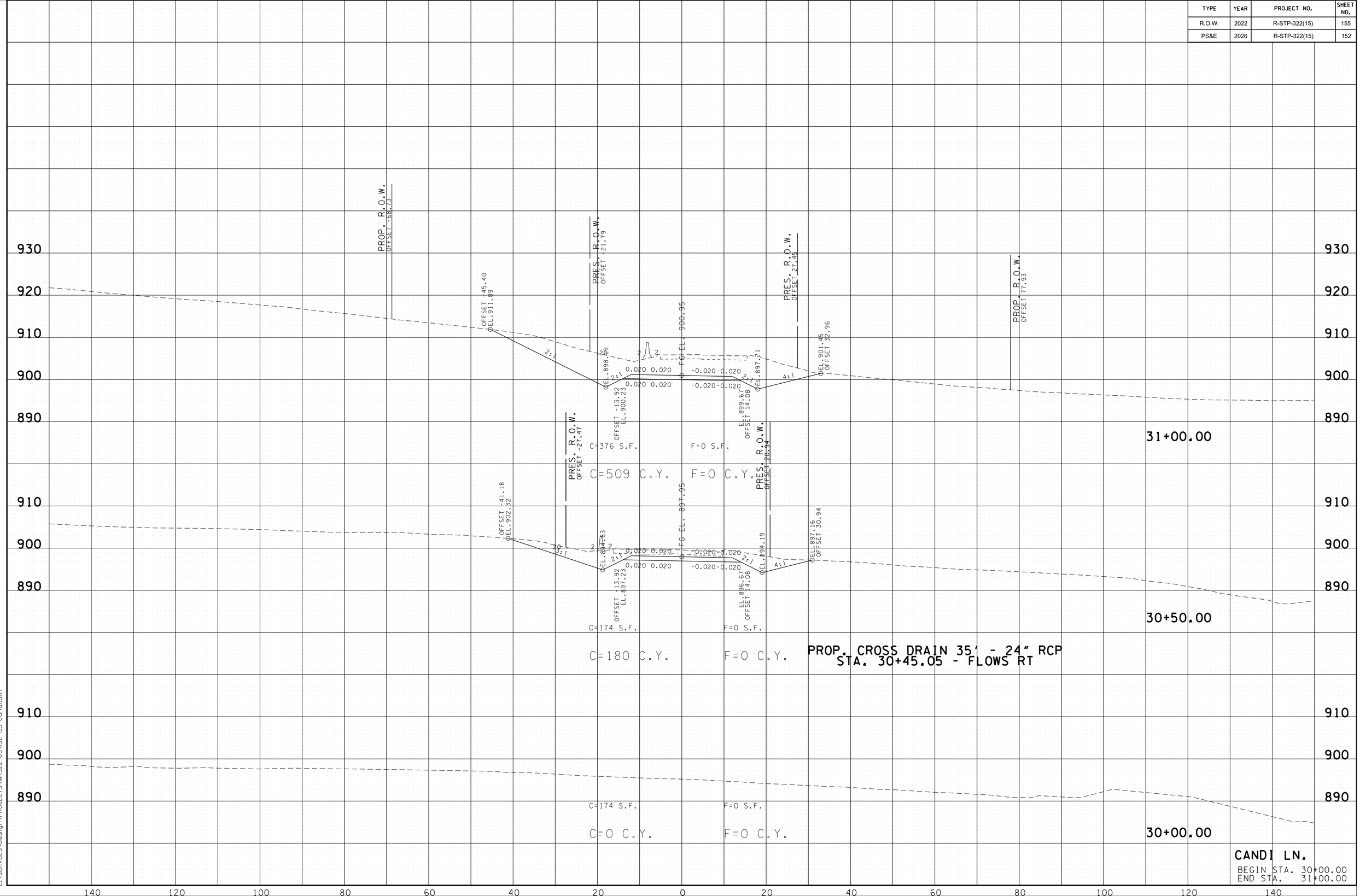
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	155
PS&E	2026	R-STP-322(15)	152



CANDI LN.
BEGIN STA. 30+00.00
END STA. 31+00.00

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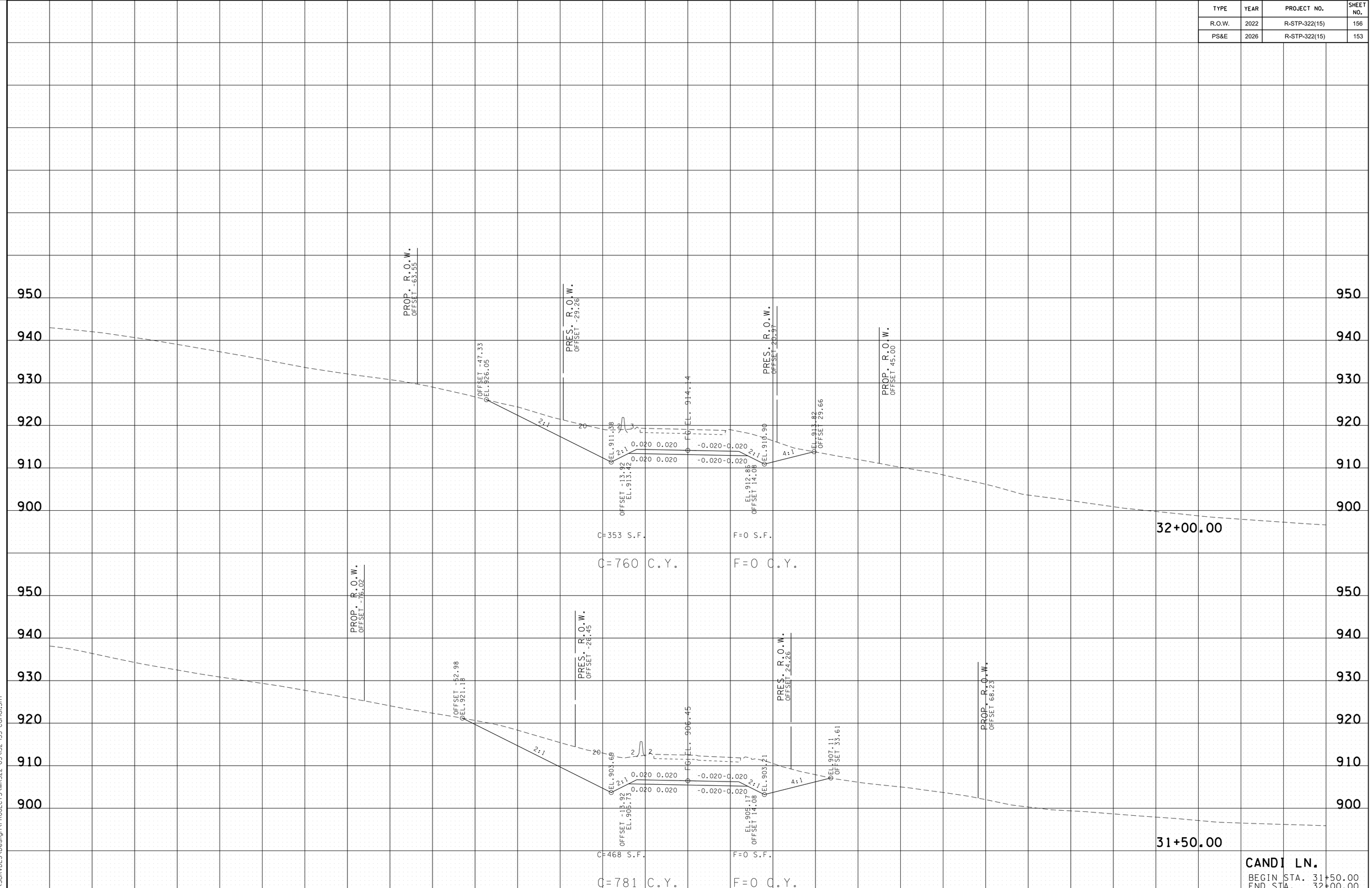
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	156
PS&E	2026	R-STP-322(15)	153



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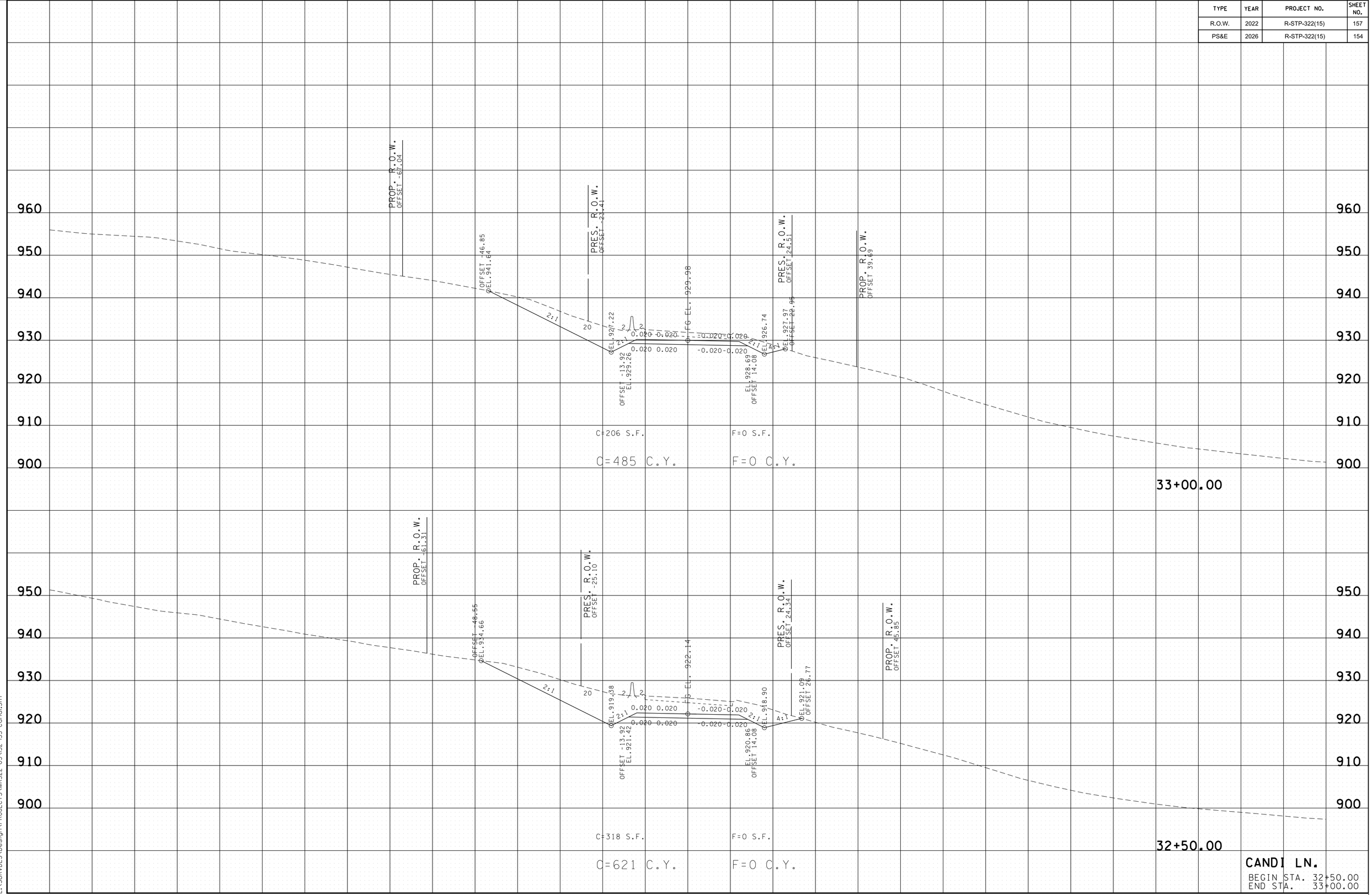
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	157
PS&E	2026	R-STP-322(15)	154



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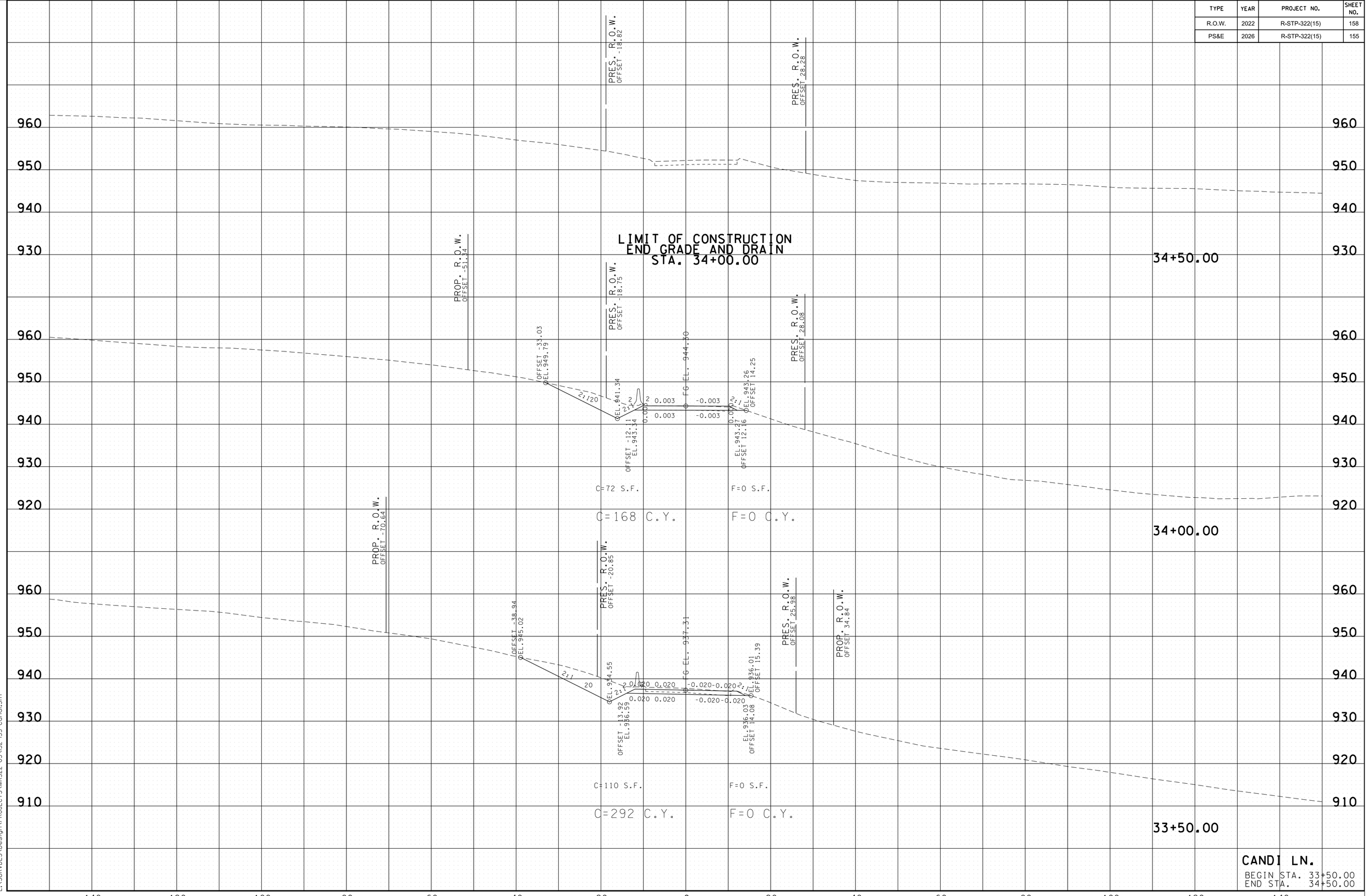
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	158
PS&E	2026	R-STP-322(15)	155



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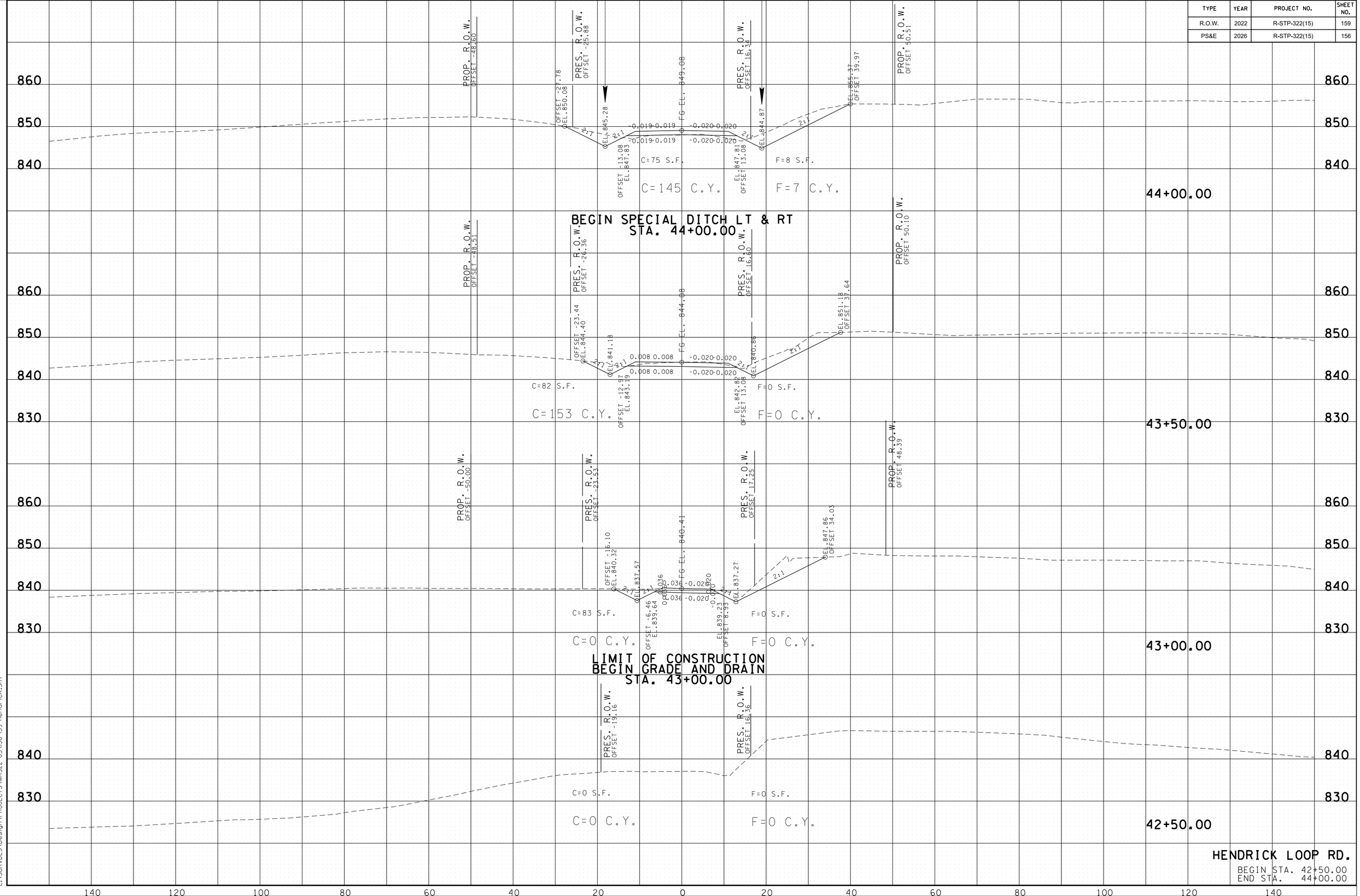
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	159
PS&E	2026	R-STP-322(15)	156



HENDRICK LOOP RD.
BEGIN STA. 42+50.00
END STA. 44+00.00

2/24/2026 10:05:03 AM
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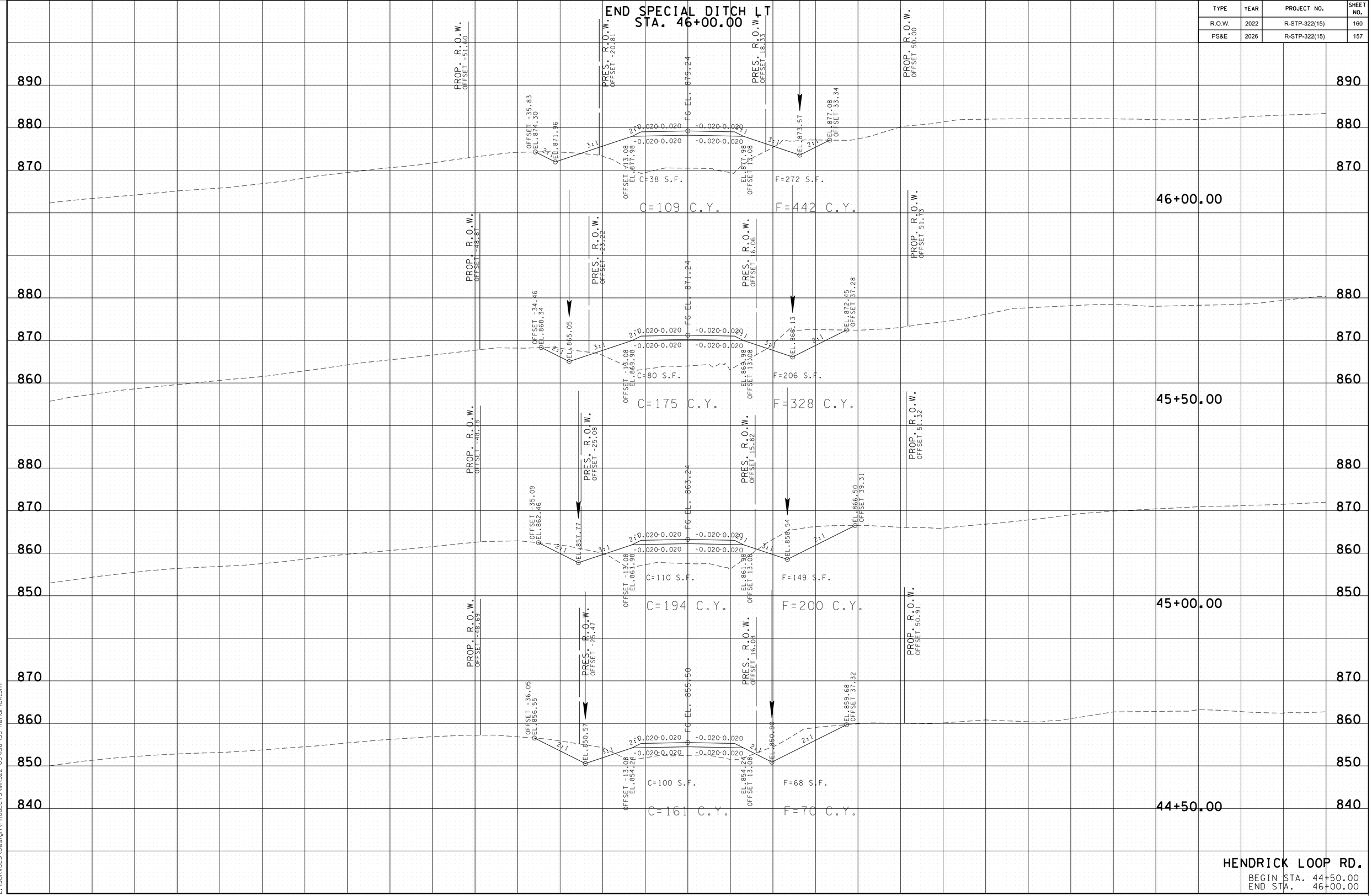
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	160
PS&E	2026	R-STP-322(15)	157



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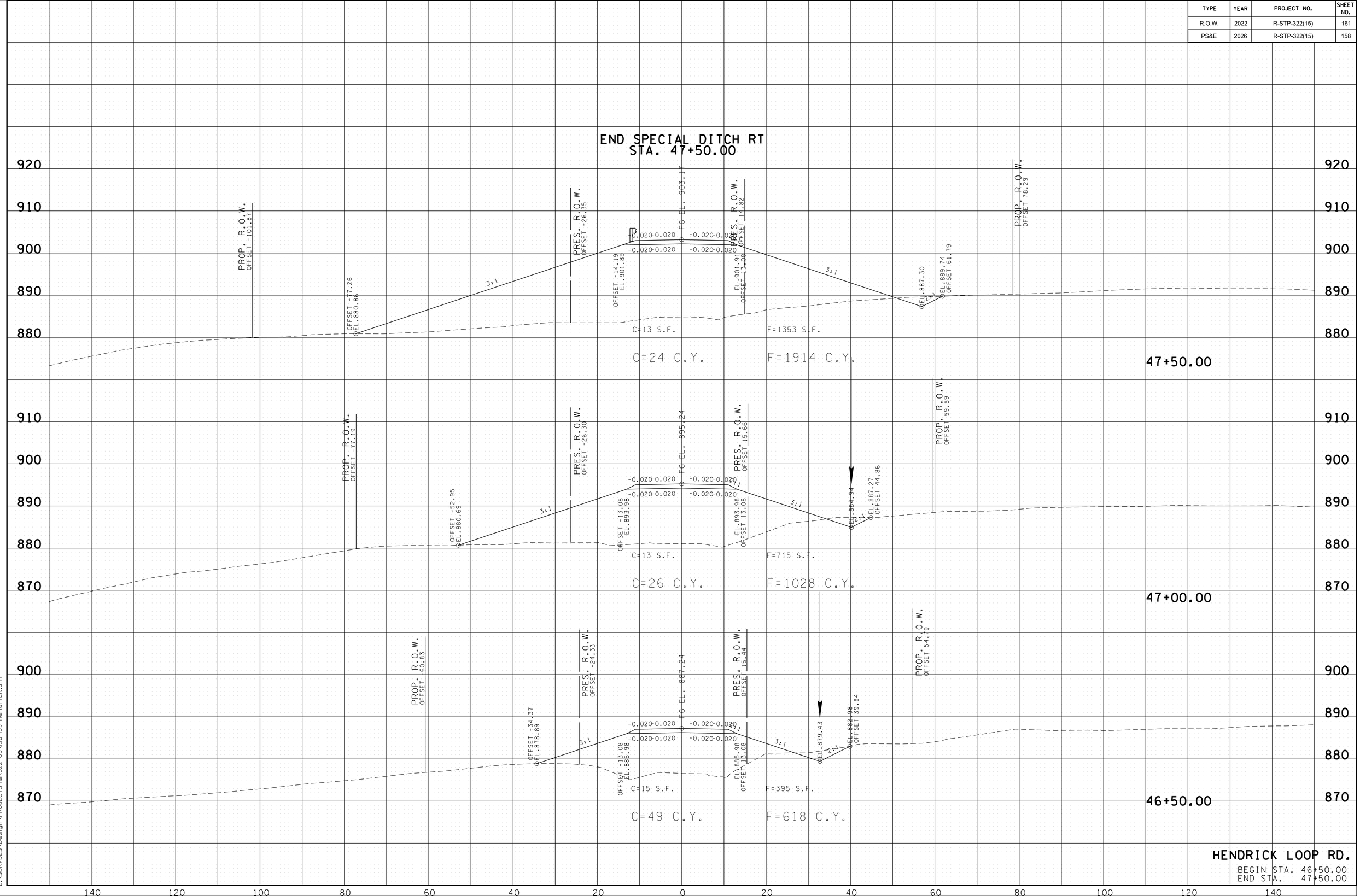
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	161
PS&E	2026	R-STP-322(15)	158



HENDRICK LOOP RD.
BEGIN STA. 46+50.00
END STA. 47+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	162
PS&E	2026	R-STP-322(15)	159

900

PRES. R.O.W.
OFFSET 26.56

C=0 S.F.
C=11 C.Y.

F=1342 S.F.
F=1392 C.Y.

49+00.00

900

920
910
900

PROP. R.O.W.
OFFSET -52.01

OFFSET -60.44
EL. 892.91

3:1

FG EL. 910.72

-0.002 -0.002
-0.002 -0.002

PRES. R.O.W.
OFFSET 2.87

-0.021 -0.021
-0.021 -0.021

OFFSET -17.91
EL. 909.75

EL. 909.36
OFFSET 17.36

3:1

EL. 893.70
OFFSET 64.31

C=0 S.F.
C=11 C.Y.

F=1342 S.F.
F=2752 C.Y.

48+50.00

920
910
900
890

PROP. R.O.W.
OFFSET -136.81

OFFSET -76.18
EL. 886.76

3:1

PRES. R.O.W.
OFFSET -29.90

FG EL. 908.71

0.020 0.020
-0.020 -0.020

PRES. R.O.W.
OFFSET 11.68

-0.020 -0.020
-0.020 -0.020

OFFSET +14.19
EL. 907.42

EL. 907.44
OFFSET 13.08

3:1

EL. 888.90

EL. 891.17
OFFSET 73.26

PROP. R.O.W.
OFFSET 90.96

C=11 S.F.
C=22 C.Y.

F=1630 S.F.
F=2762 C.Y.

48+00.00

HENDRICK LOOP RD.

BEGIN STA. 48+00.00
END STA. 49+00.00

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

2/24/2026 10:05:17 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	163
PS&E	2026	R-STP-322(15)	160

940
930
920

PROP. R.O.W.
OFFSET -50.00

PRES. R.O.W.
OFFSET -8.06

PRES. R.O.W.
OFFSET 16.80

PROP. R.O.W.
OFFSET 45.00

OFFSET -28.32
EL. 930.99

EL. 926.42

3:1

-0.047 0.047

-0.028 0.040

FG EL. 929.90

-0.047 0.047

-0.028 0.028

3:1

EL. 926.60

3:1

EL. 929.42
OFFSET 24.84

OFFSET -13.66
EL. 928.26

C=93 S.F.
C=26 C.Y.

EL. 928.53
OFFSET 13.41

F=0 S.F.
F=0 C.Y.

51+00.00

LIMIT OF CONSTRUCTION
STA. 50+85.00

PRES. R.O.W.
OFFSET -27.28

PRES. R.O.W.
OFFSET 15.50

PROP. R.O.W.
OFFSET 15.50

930

C=93 S.F.
C=0 C.Y.

F=0 S.F.
F=0 C.Y.

50+50.00

930

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

LAKESIDE RD.
BEGIN STA. 50+50.00
END STA. 51+00.00

2/24/2026 10:05:18 AM
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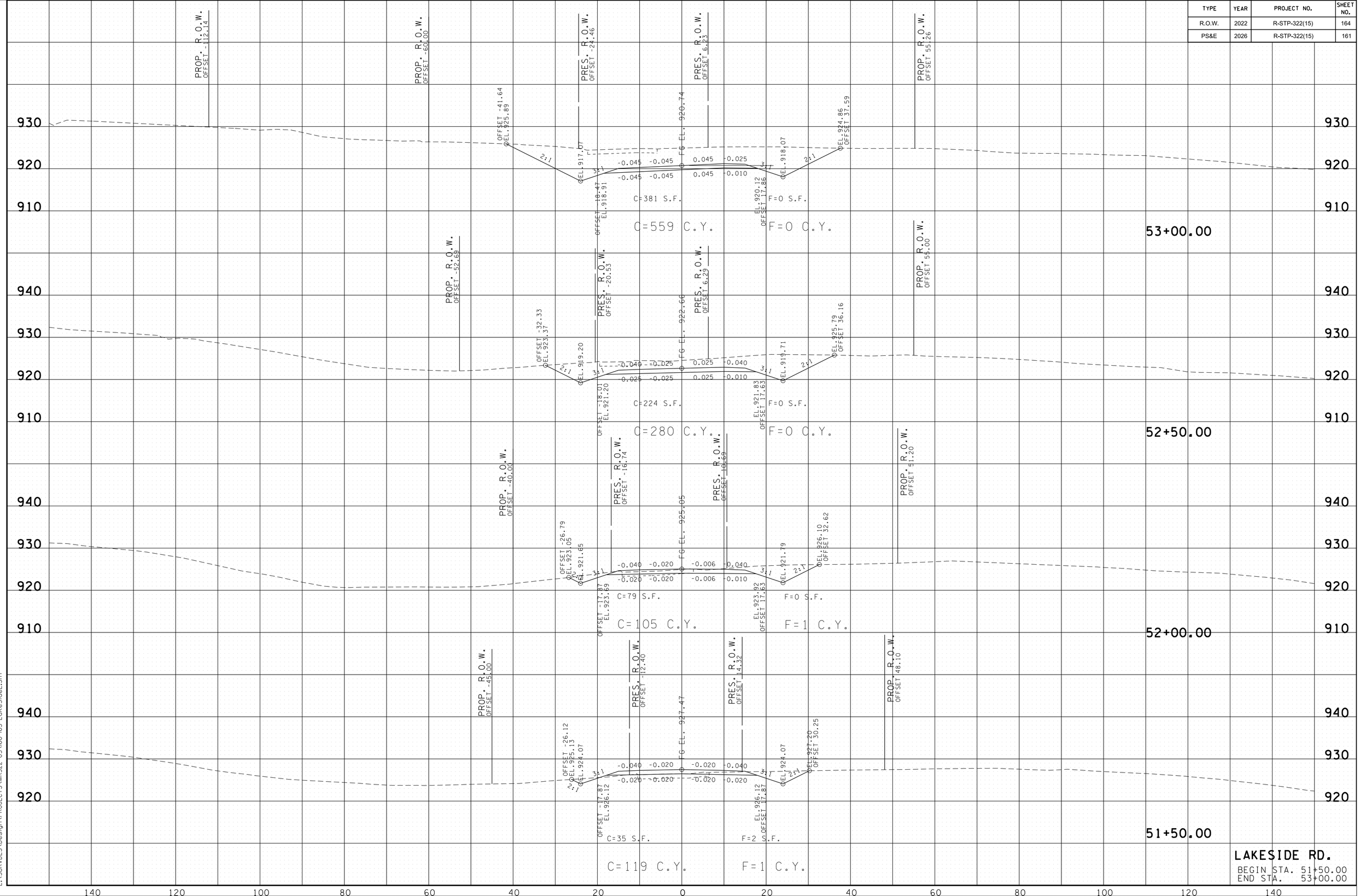
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	164
PS&E	2026	R-STP-322(15)	161



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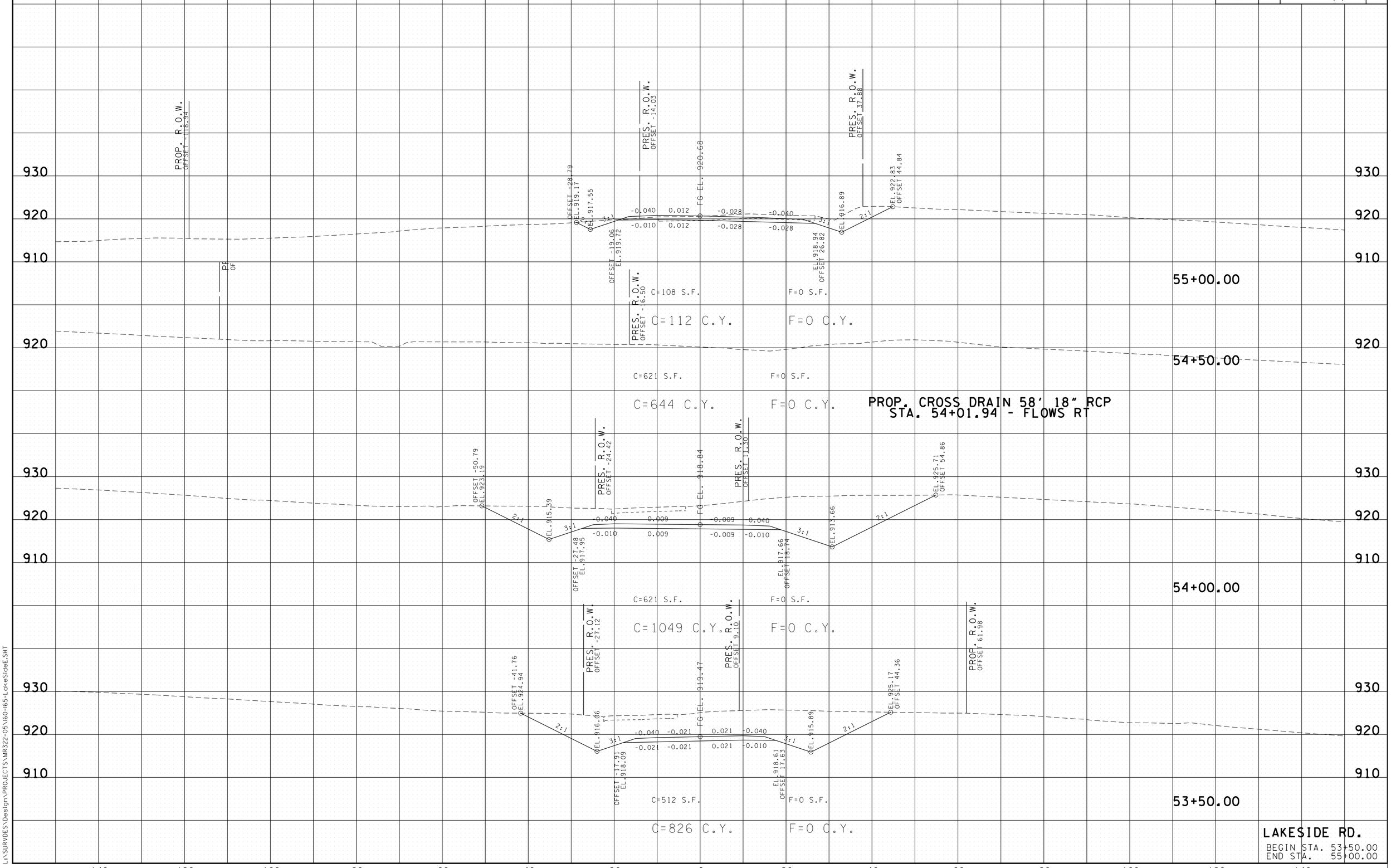
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	165
PS&E	2026	R-STP-322(15)	162



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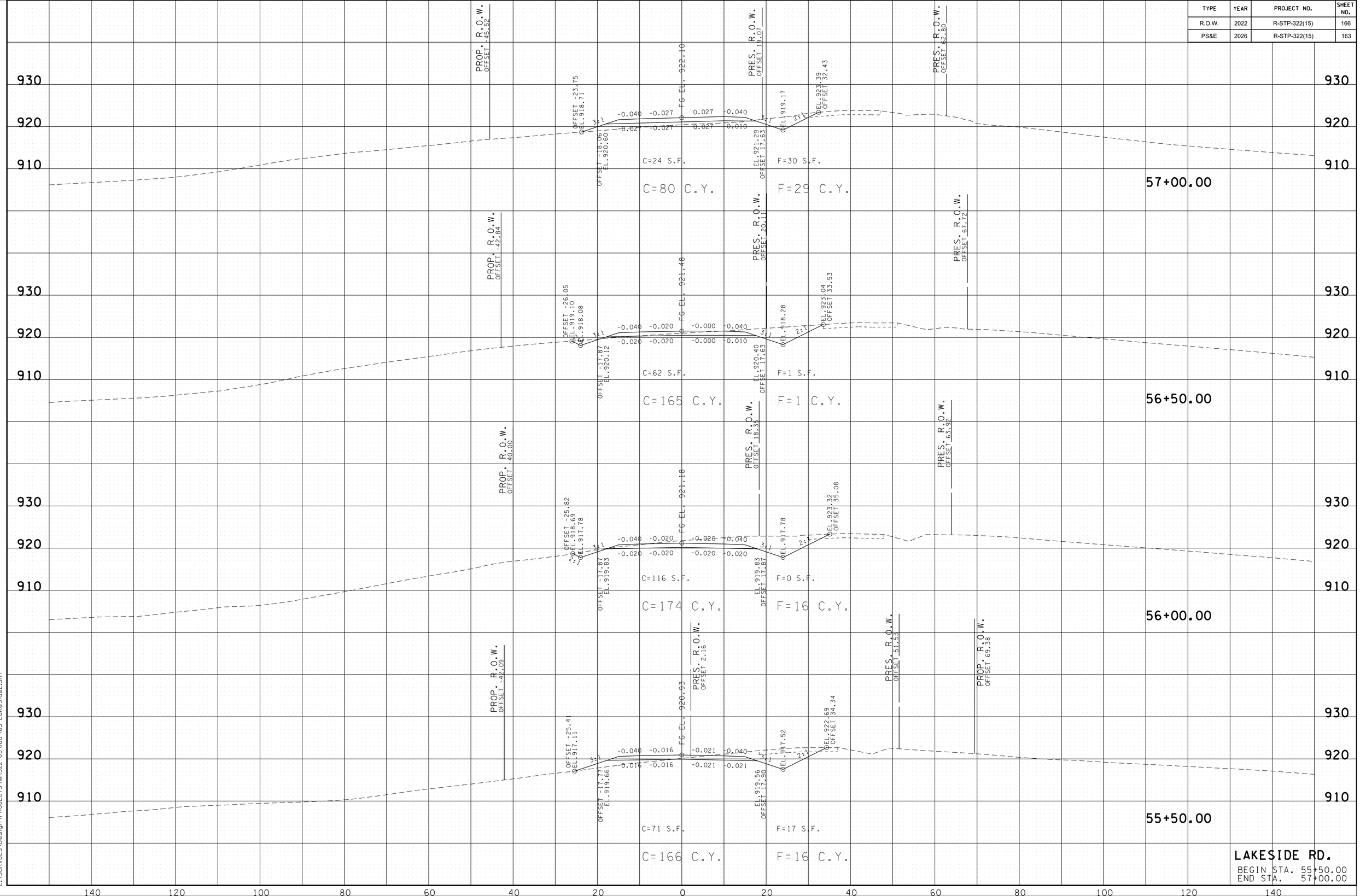
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	166
PS&E	2026	R-STP-322(15)	163



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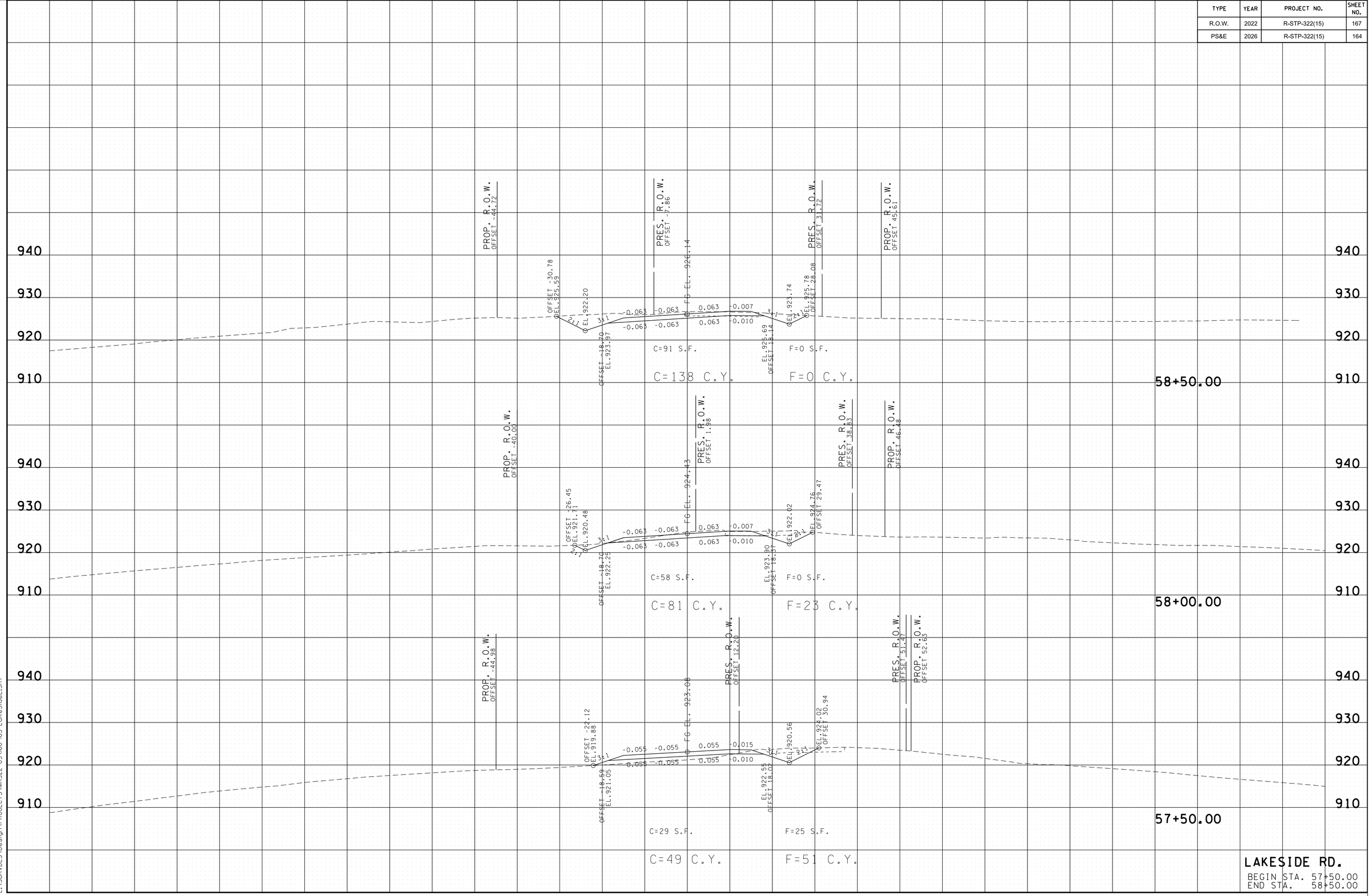
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	167
PS&E	2026	R-STP-322(15)	164



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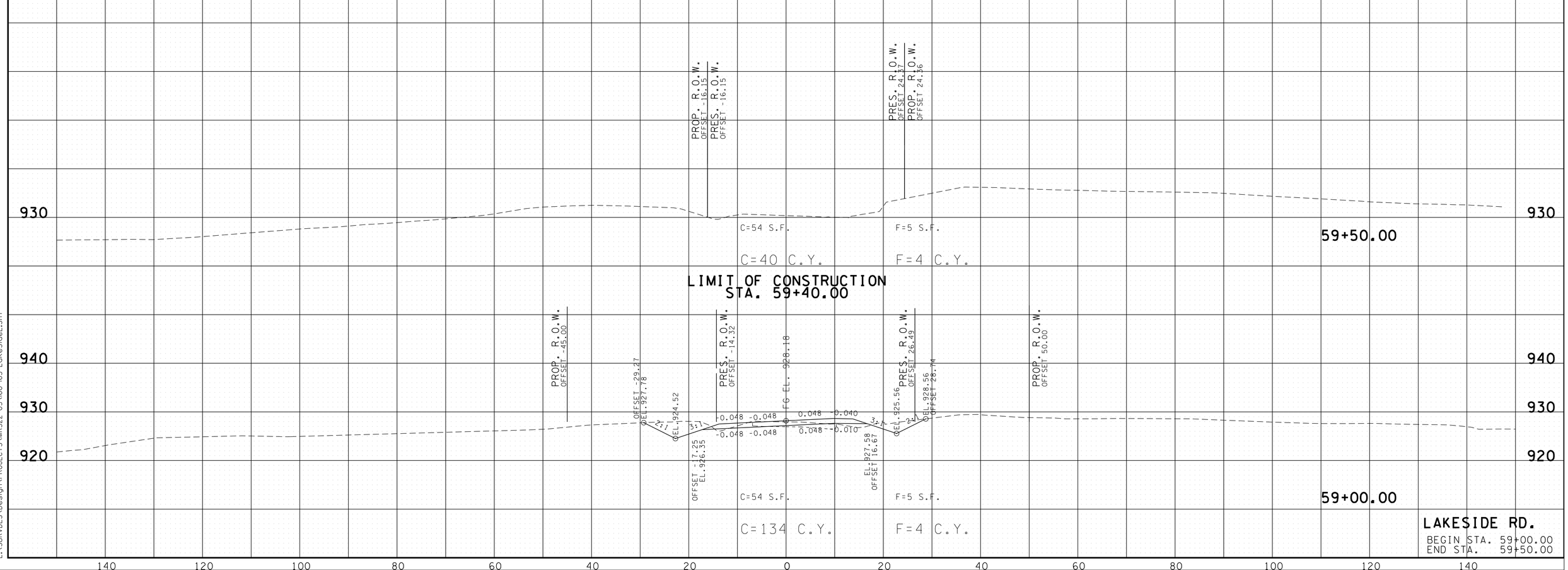
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	168
PS&E	2026	R-STP-322(15)	165



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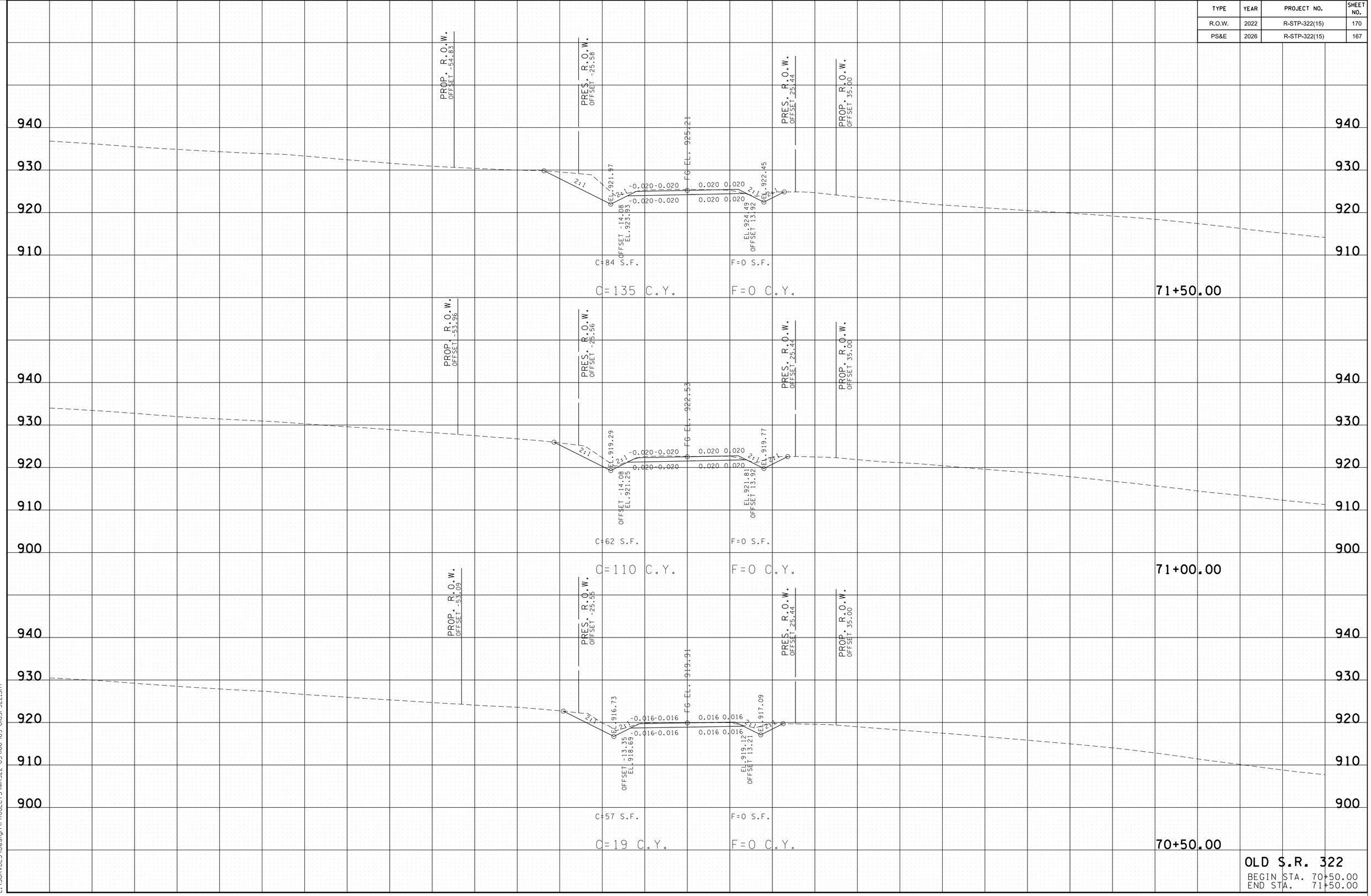
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	170
PS&E	2026	R-STP-322(15)	167



OLD S.R. 322
BEGIN STA. 70+50.00
END STA. 71+50.00

2/24/2026 10:05:22 AM
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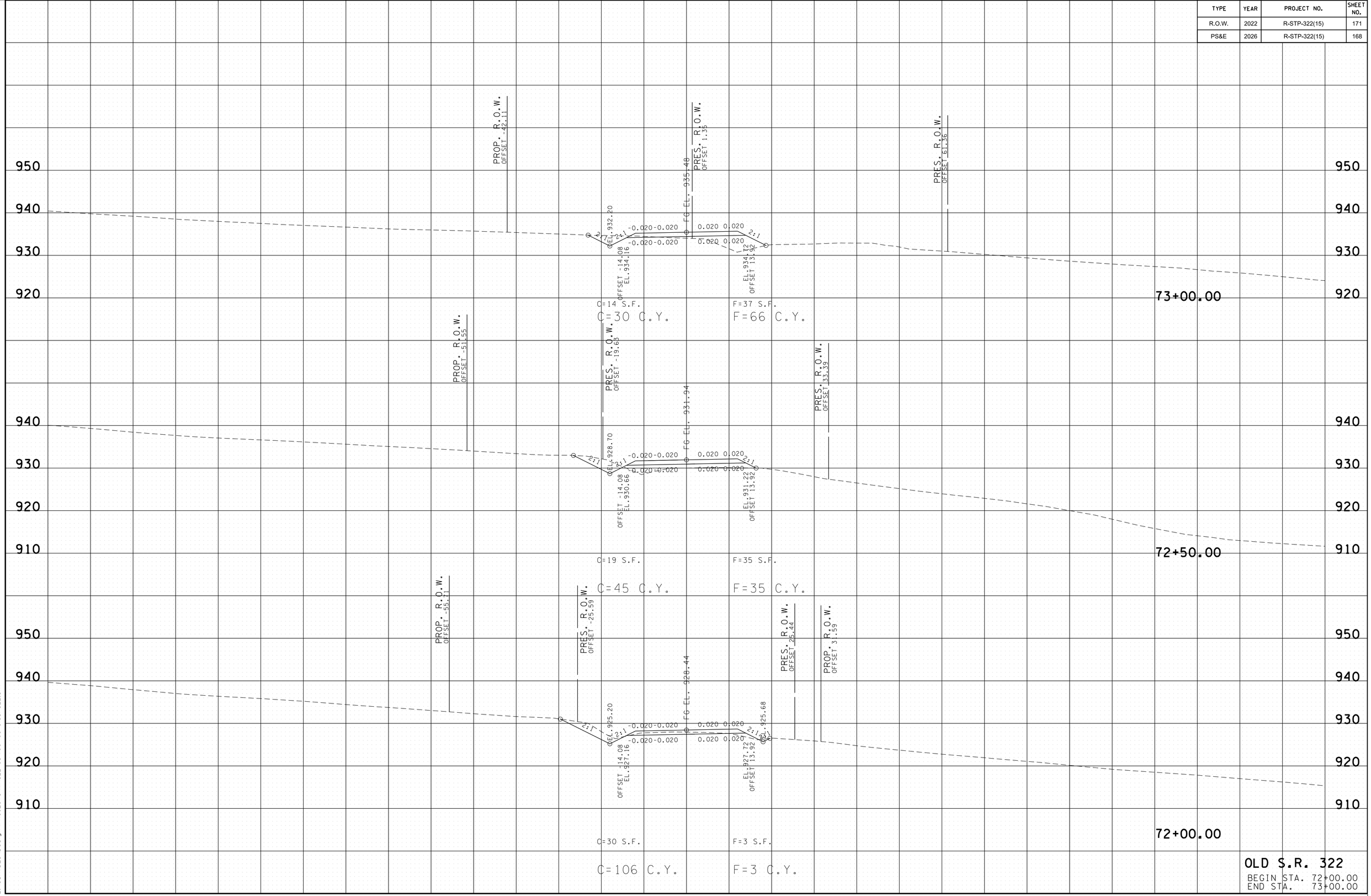
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	171
PS&E	2026	R-STP-322(15)	168



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	172
PS&E	2026	R-STP-322(15)	169

950
960
950
940
930
950
940
930
950
940
930

75+00.00

C=14 S.F.
C=15 C.Y.
F=5 S.F.
F=5 C.Y.

OFFSET -18.11
EL. 943.43
EL. 941.47
FG EL. 944.72
EL. 944.01
OFFSET 17.98
-0.016 -0.016 0.016 0.016
-0.016 -0.016 0.016 0.016
2:1

74+50.00

C=14 S.F.
C=17 C.Y.
F=5 S.F.
F=30 C.Y.

PROP. R.O.W.
OFFSET -44.56

PRES. R.O.W.
OFFSET 101.98

OFFSET -14.08
EL. 941.16
EL. 939.20
FG EL. 942.44
EL. 941.72
OFFSET 13.92
-0.020 -0.020 0.020 0.020
-0.020 -0.020 0.020 0.020
2:1

74+00.00

C=4 S.F.
C=9 C.Y.
F=28 S.F.
F=51 C.Y.

PROP. R.O.W.
OFFSET -45.91

PRES. R.O.W.
OFFSET 48.33

PRES. R.O.W.
OFFSET 123.18

OFFSET -14.08
EL. 937.66
EL. 935.70
FG EL. 938.94
EL. 938.22
OFFSET 13.92
-0.020 -0.020 0.020 0.020
-0.020 -0.020 0.020 0.020
2:1

73+50.00

C=6 S.F.
C=18 C.Y.
F=27 S.F.
F=59 C.Y.

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

OLD S.R. 322
BEGIN STA. 73+50.00
END STA. 75+00.00

2/24/2026 10:05:24 AM
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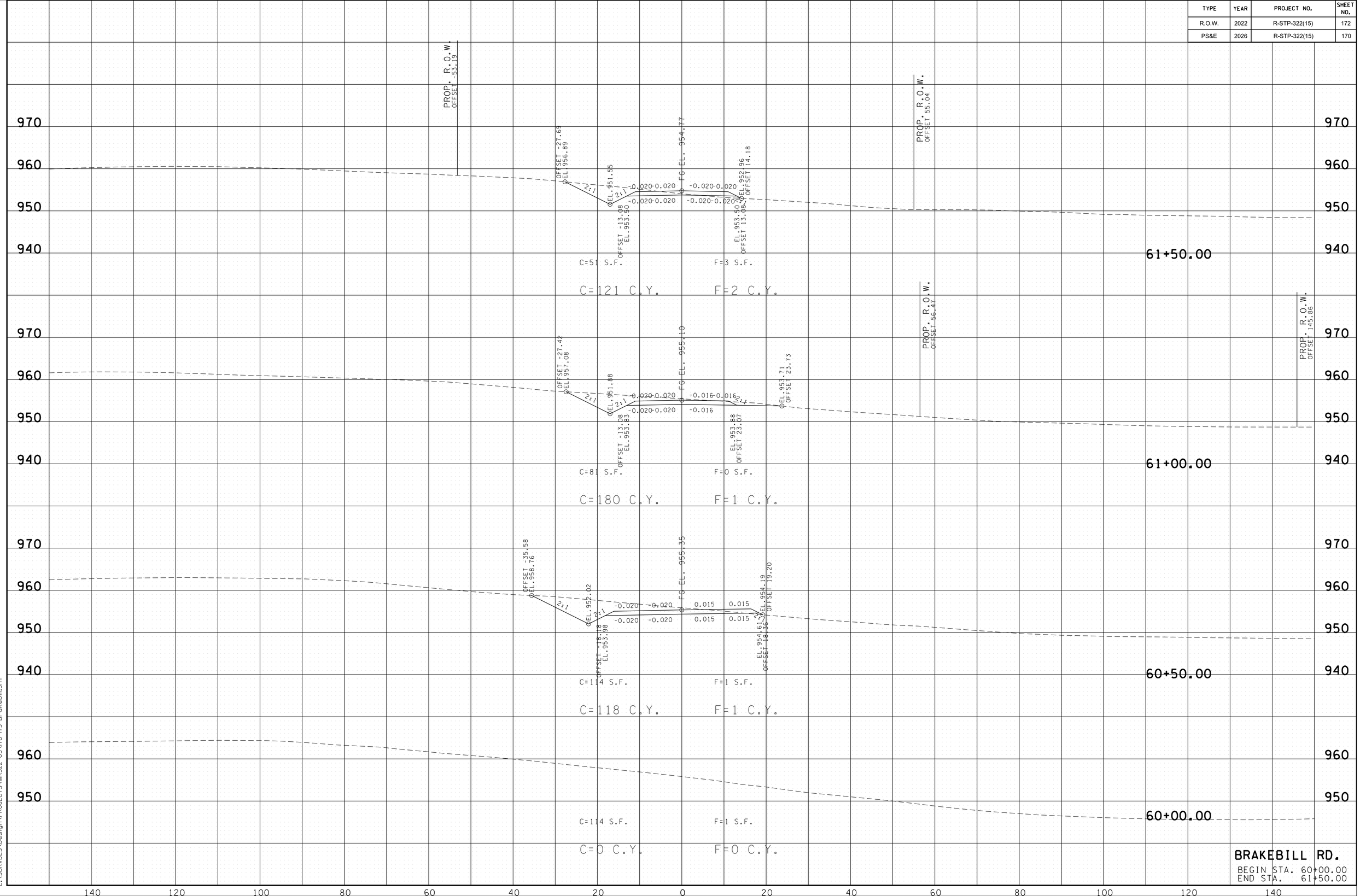
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	172
PS&E	2026	R-STP-322(15)	170



BRAKEBILL RD.

BEGIN STA. 60+00.00
END STA. 61+50.00

2/24/2026 10:05:25 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	173
PS&E	2026	R-STP-322(15)	171

970
960
950
940

PROP. R.O.W.
OFFSET -46.42

OFFSET -23.53
EL. 953.32

EL. 950.05

OFFSET -13.08
EL. 952.01

-0.020 -0.020
-0.020 -0.020

FG EL. 953.27

-0.020 -0.020
-0.020 -0.020

EL. 952.01
OFFSET 13.08

EL. 951.11
OFFSET 14.89

PROP. R.O.W.
OFFSET 50.73

63+00.00

C=20 S.F.
C=41 C.Y.

F=9 S.F.
F=24 C.Y.

970
960
950
940

PROP. R.O.W.
OFFSET -48.68

OFFSET -24.51
EL. 954.31

EL. 950.55

OFFSET -13.08
EL. 952.51

-0.020 -0.020
-0.020 -0.020

FG EL. 953.77

-0.020 -0.020
-0.020 -0.020

EL. 952.51
OFFSET 13.08

EL. 950.64
OFFSET 16.82

PROP. R.O.W.
OFFSET 52.17

62+50.00

C=24 S.F.
C=60 C.Y.

F=16 S.F.
F=32 C.Y.

970
960
950
940

PROP. R.O.W.
OFFSET -50.94

OFFSET -26.46
EL. 955.78

EL. 951.05

OFFSET -13.08
EL. 953.01

-0.020 -0.020
-0.020 -0.020

FG EL. 954.27

-0.020 -0.020
-0.020 -0.020

EL. 953.01
OFFSET 13.08

EL. 950.16
OFFSET 21.63

PROP. R.O.W.
OFFSET 53.60

62+00.00

C=41 S.F.
C=85 C.Y.

F=18 S.F.
F=19 C.Y.

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

BRAKEBILL RD.
BEGIN STA. 62+00.00
END STA. 63+00.00

2/24/2026 10:05:25 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	174
PS&E	2026	R-STP-322(15)	172

PROP. R.O.W.
OFFSET -37.39

PROP. R.O.W.
OFFSET -44.59

OFFSET -30.48
EL.950.63

EL.948.14

FG EL. 951.99

EL.947.94

EL.947.90
OFFSET 22.03

-0.020-0.020 -0.004-0.004
-0.020-0.020 -0.004-0.004

18" RCP
0.65%

OFFSET -13.29
EL.950.63

EL.950.84
OFFSET 13.22

960
950
940

65+00.00

PROP. CROSS DRAIN 30' - 18" RCP
STA. 65+00.00 - FLOWS RT

C=20 S.F.
C=28 C.Y.

F=61 S.F.
F=78 C.Y.

PROP. R.O.W.
OFFSET -39.64

PROP. R.O.W.
OFFSET 46.43

OFFSET -21.96
EL.951.27

EL.948.80

FG EL. 952.02

EL.949.14
OFFSET 16.32

-0.020-0.020 -0.020-0.020
-0.020-0.020 -0.020-0.020

OFFSET -13.08
EL.950.75

EL.950.75
OFFSET 13.08

960
950
940

64+50.00

C=10 S.F.
C=19 C.Y.

F=22 S.F.
F=37 C.Y.

PROP. R.O.W.
OFFSET -41.90

PROP. R.O.W.
OFFSET 47.86

OFFSET -21.97
EL.951.55

EL.949.07

FG EL. 952.29

EL.949.65
OFFSET 15.83

-0.020-0.020 -0.020-0.020
-0.020-0.020 -0.020-0.020

OFFSET -13.08
EL.951.03

EL.951.03
OFFSET 13.08

960
950
940

64+00.00

C=11 S.F.
C=21 C.Y.

F=18 S.F.
F=28 C.Y.

PROP. R.O.W.
OFFSET -44.16

PROP. R.O.W.
OFFSET 49.30

OFFSET -22.15
EL.952.13

EL.949.55

FG EL. 952.77

EL.950.33
OFFSET 15.44

-0.020-0.020 -0.020-0.020
-0.020-0.020 -0.020-0.020

OFFSET -13.08
EL.951.51

EL.951.51
OFFSET 13.08

970
960
950
940

63+50.00

C=12 S.F.
C=30 C.Y.

F=13 S.F.
F=20 C.Y.

BRAKEBILL RD.
BEGIN STA. 63+50.00
END STA. 65+00.00

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

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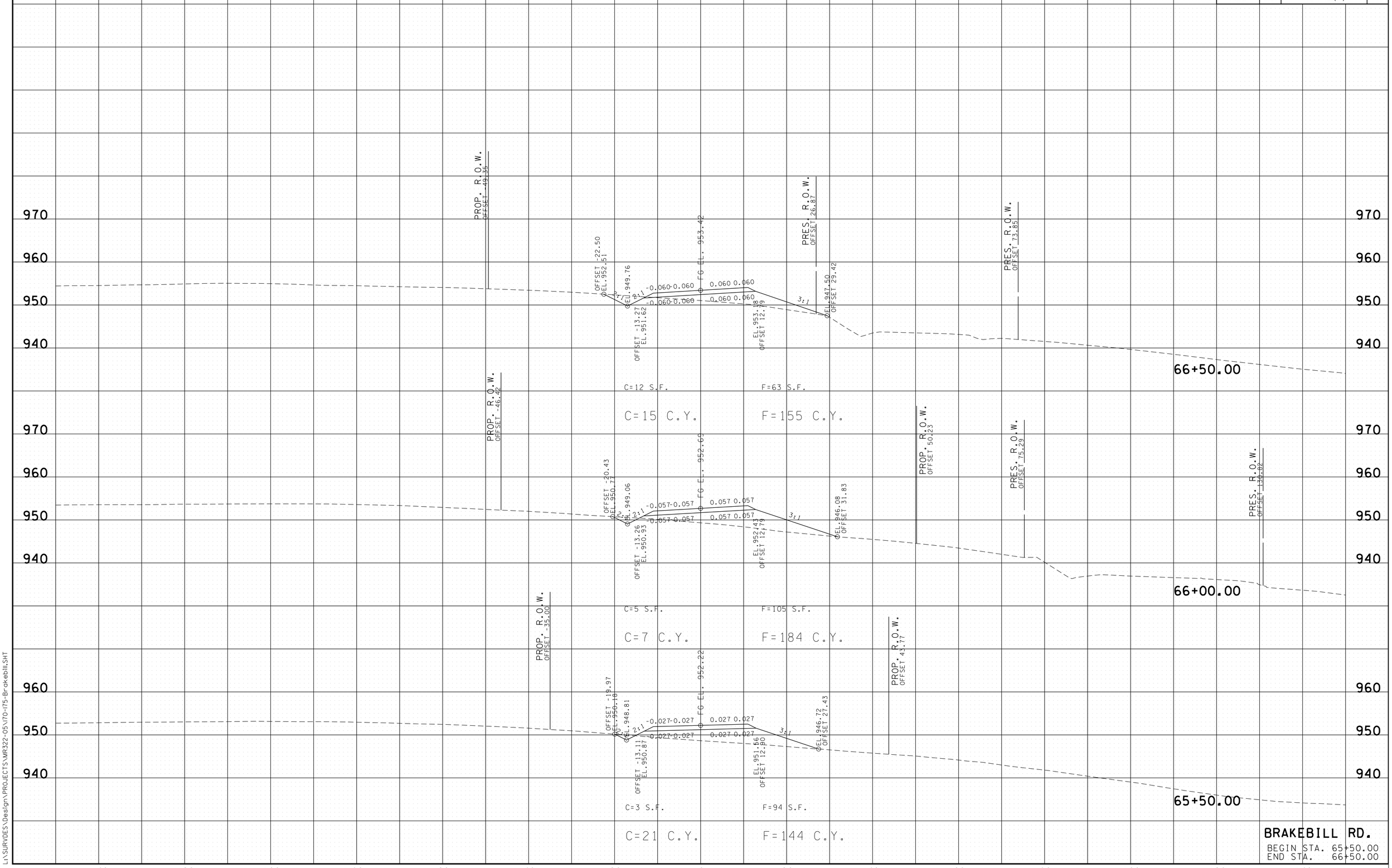
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	175
PS&E	2026	R-STP-322(15)	173



BRAKEBILL RD.
BEGIN STA. 65+50.00
END STA. 66+50.00

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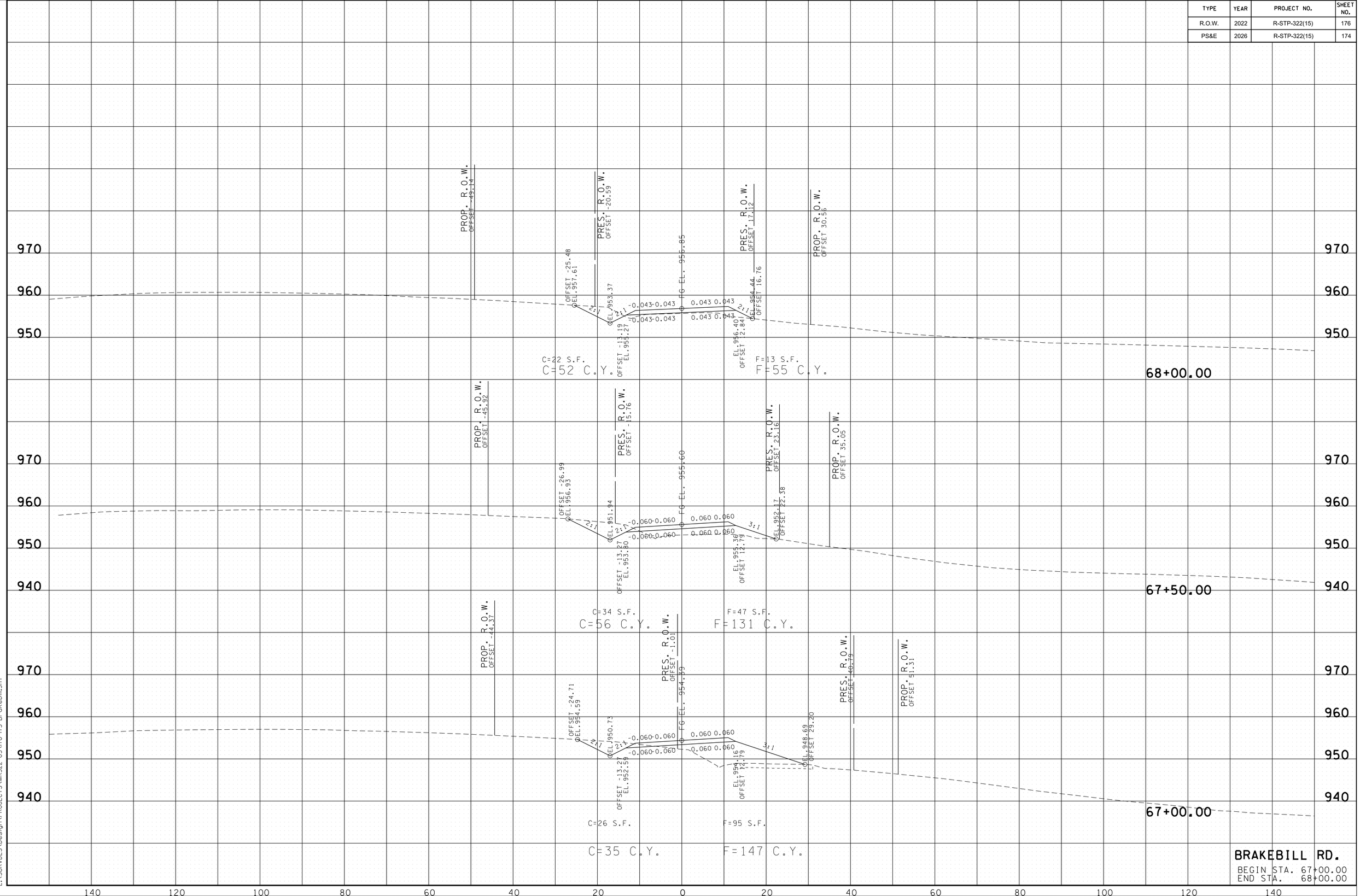
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	176
PS&E	2026	R-STP-322(15)	174



BRAKEBILL RD.
BEGIN STA. 67+00.00
END STA. 68+00.00

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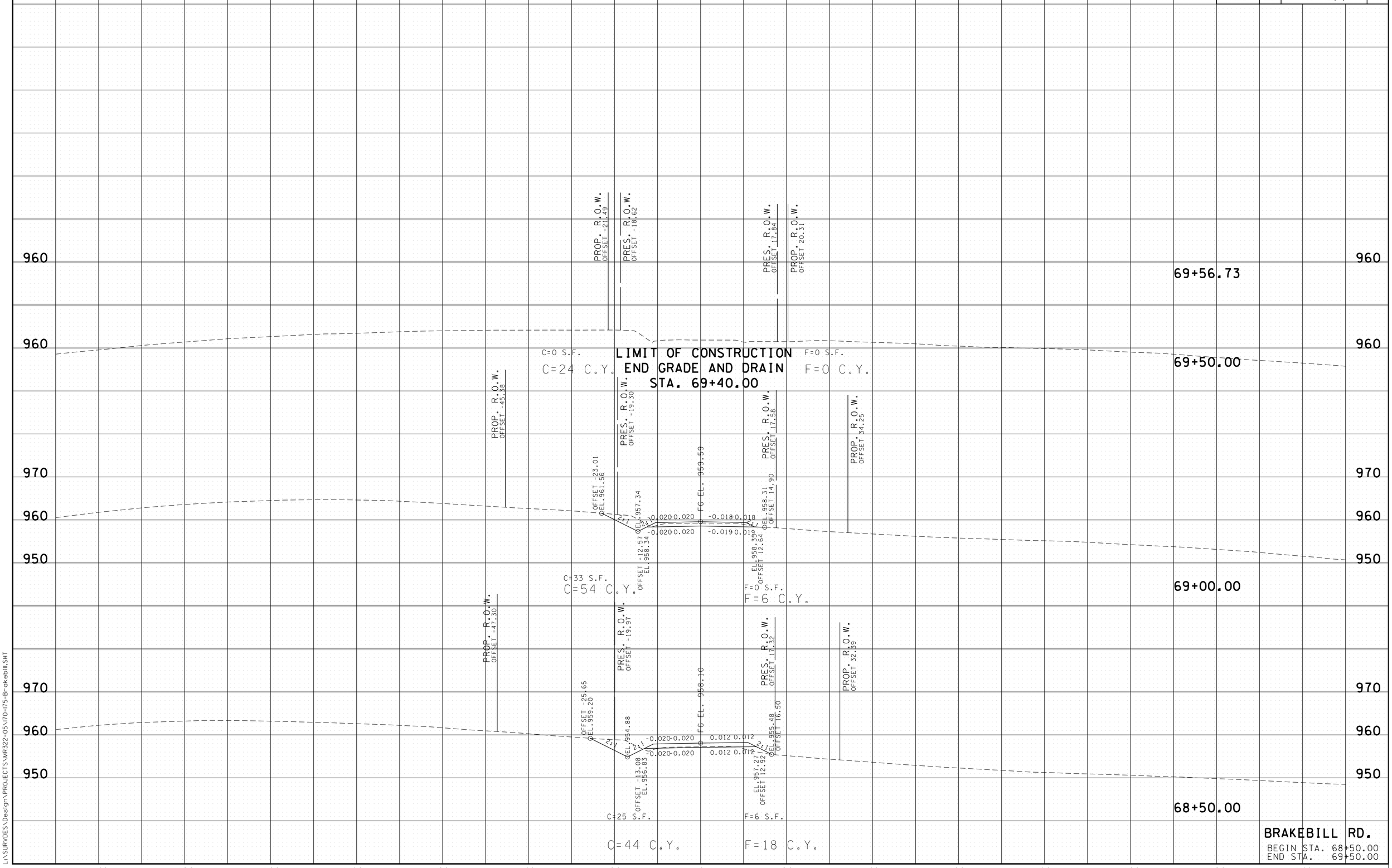
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	177
PS&E	2026	R-STP-322(15)	175



BRAKEBILL RD.
BEGIN STA. 68+50.00
END STA. 69+50.00

2/24/2026 10:05:28 AM
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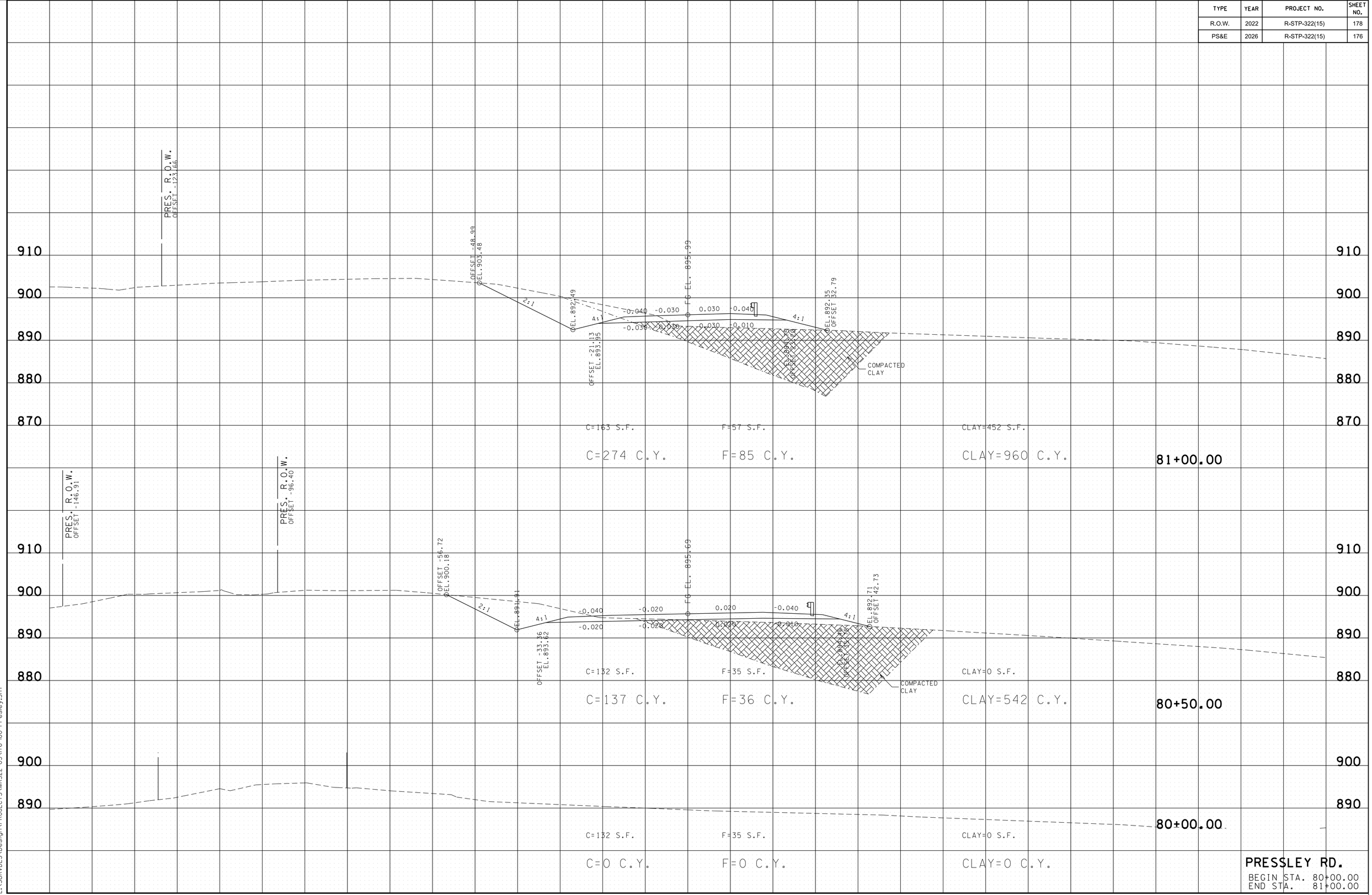
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	178
PS&E	2026	R-STP-322(15)	176



PRESSLEY RD.
BEGIN STA. 80+00.00
END STA. 81+00.00

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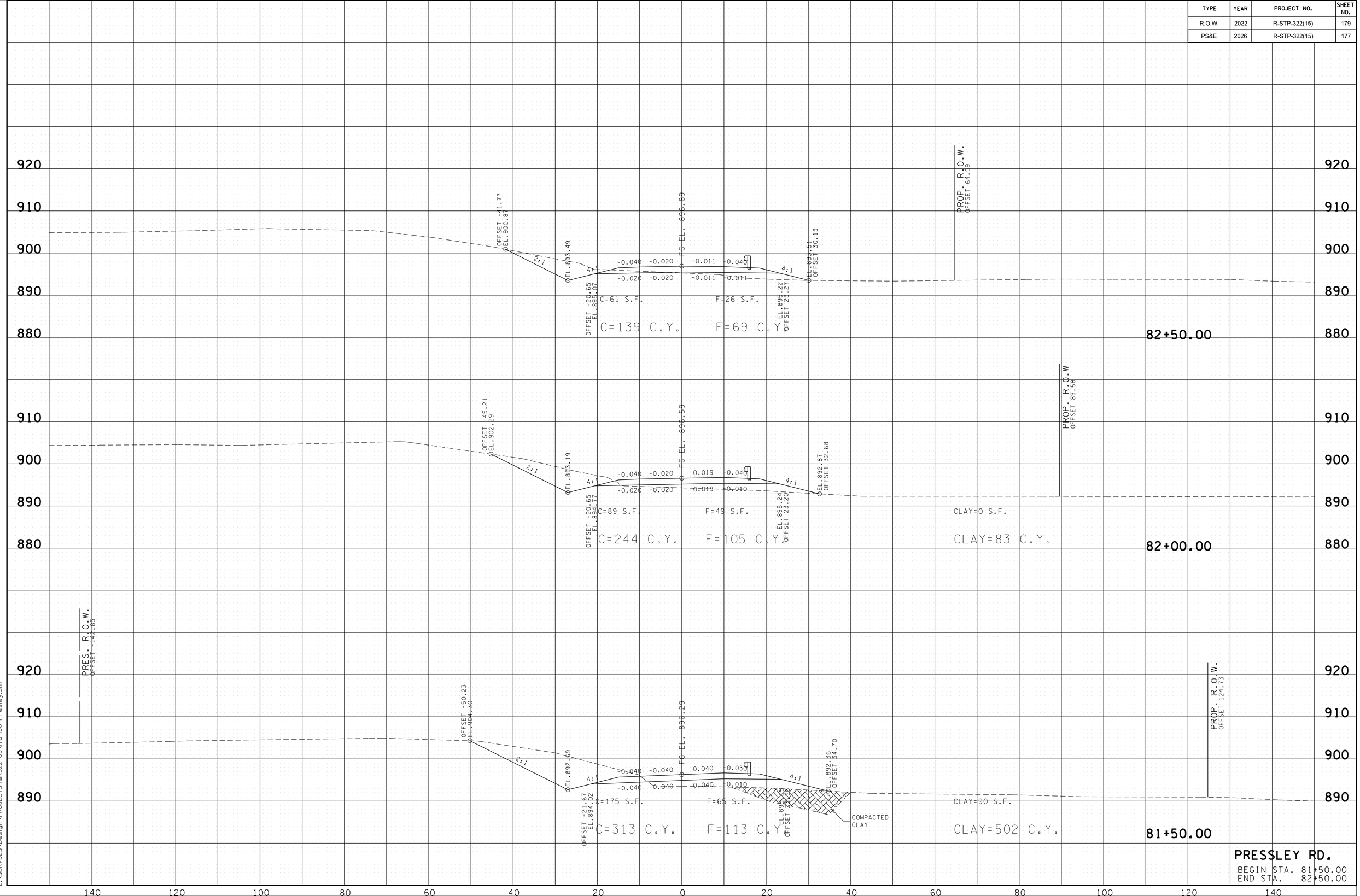
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	179
PS&E	2026	R-STP-322(15)	177



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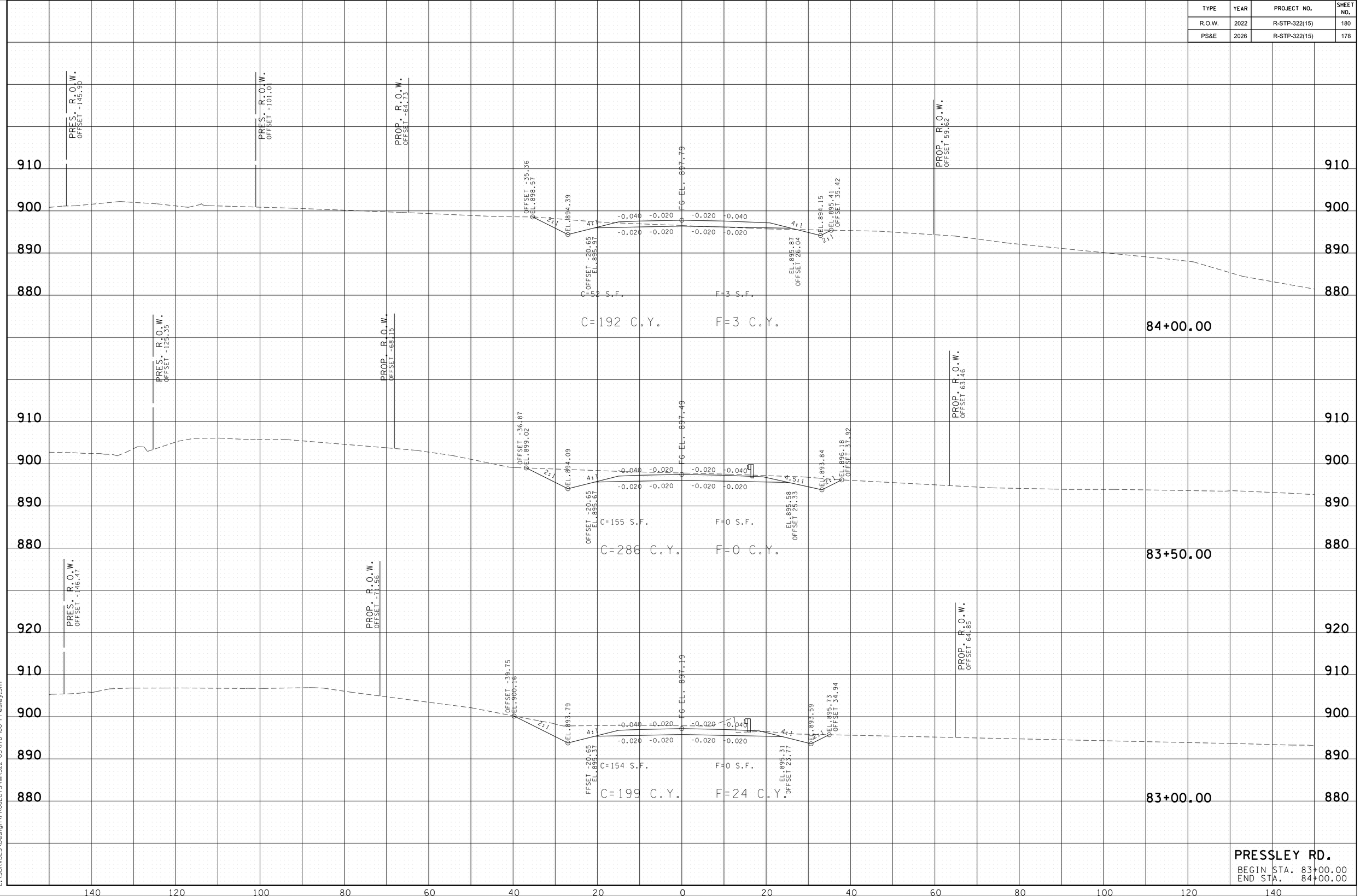
PRESSLEY RD.

BEGIN STA. 81+50.00
END STA. 82+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	180
PS&E	2026	R-STP-322(15)	178



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	181
PS&E	2026	R-STP-322(15)	179

BEGIN SPECIAL DITCH LT
STA. 85+50.00

PROP. R.O.W. OFFSET -54.45
PRES. R.O.W. OFFSET -49.33
PRES. R.O.W. OFFSET -0.67
FG EL. 898.76
PROP. R.O.W. OFFSET 48.16
OFFSET -35.66 EL. 895.18
EL. 894.62
0.003 0.073 -0.073 -0.073
-0.010 0.073 -0.073 -0.073
4:1
OFFSET -21.11 EL. 897.98
EL. 895.67 OFFSET 21.93
EL. 893.74 OFFSET 30.68
C=4 S.F. F=160 S.F. CLAY=0 S.F.
C=27 C.Y. F=666 C.Y. CLAY=130 C.Y.
85+50.00

PRES. R.O.W. OFFSET -86.31
PRES. R.O.W. OFFSET -36.80
FG EL. 898.39
PROP. R.O.W. OFFSET 51.93
OFFSET 55.09 EL. 896.31
EL. 891.20
0.029 0.042 -0.042 -0.042
-0.010 0.042 -0.042 -0.042
4:1
OFFSET -20.46 EL. 897.30
EL. 896.07 OFFSET 21.74
EL. 891.66 OFFSET 39.38
C=25 S.F. F=560 S.F. CLAY=140 S.F.
C=51 C.Y. F=754 C.Y. CLAY=130 C.Y.
85+00.00

PROP. CROSS DRAIN 72' - 18" RCP
STA. 84+80.00 - FLOWS RT
END SPECIAL DITCH LT
STA. 84+80.00

PRES. R.O.W. OFFSET -118.71
PRES. R.O.W. OFFSET -71.33
PROP. R.O.W. OFFSET -61.32
FG EL. 898.09
PROP. R.O.W. OFFSET 55.78
OFFSET -48.85 EL. 895.28
EL. 891.45
-0.040 0.011 -0.020 -0.040
-0.010 0.011 -0.020 -0.020
4:1
OFFSET -20.21 EL. 896.53
EL. 896.23 OFFSET 21.03
EL. 889.82 OFFSET 46.81
C=30 S.F. F=254 S.F.
C=76 C.Y. F=239 C.Y.
84+50.00

BEGIN SPECIAL DITCH LT
STA. 84+50.00

PRESSLEY RD.
BEGIN STA. 84+50.00
END STA. 85+50.00

910 900 890 880

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

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	182
PS&E	2026	R-STP-322(15)	180

PROP. R.O.W. OFFSET -44.75
PRES. R.O.W. OFFSET -21.98
PRES. R.O.W. OFFSET 18.14
PROP. R.O.W. OFFSET 42.96

LIMIT OF CONSTRUCTION
STA. 87+00.00

C=0 S.F. F=0 S.F.
C=0 C.Y. F=0 C.Y.

87+00.00

PROP. R.O.W. OFFSET -42.25
PRES. R.O.W. OFFSET -21.59
PRES. R.O.W. OFFSET 18.52
PROP. R.O.W. OFFSET 46.11

OFFSET -25.52 EL. 900.65
OFFSET -20.21 EL. 900.54
FG EL. 901.79
EL. 899.10 OFFSET 20.91
EL. 900.54 OFFSET 26.84
EL. 899.69
A:1
-0.040 0.025 -0.025 -0.040
-0.010 0.025 -0.025 -0.025
C=27 S.F. F=0 S.F.
C=33 C.Y. F=23 C.Y.

86+50.00

PROP. R.O.W. OFFSET -41.27
PRES. R.O.W. OFFSET -22.78
PRES. R.O.W. OFFSET 17.78
PROP. R.O.W. OFFSET 48.03

OFFSET -30.16 EL. 898.91
OFFSET -20.75 EL. 898.89
FG EL. 899.84
EL. 897.19 OFFSET 22.21
EL. 896.00 OFFSET 28.88
EL. 897.33
A:1
-0.014 0.056 -0.056 -0.056
-0.010 0.056 -0.056 -0.056
C=8 S.F. F=25 S.F.
C=12 C.Y. F=171 C.Y.

86+00.00

PRESSLEY RD.
BEGIN STA. 86+00.00
END STA. 87+50.00

920 910 900 890

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

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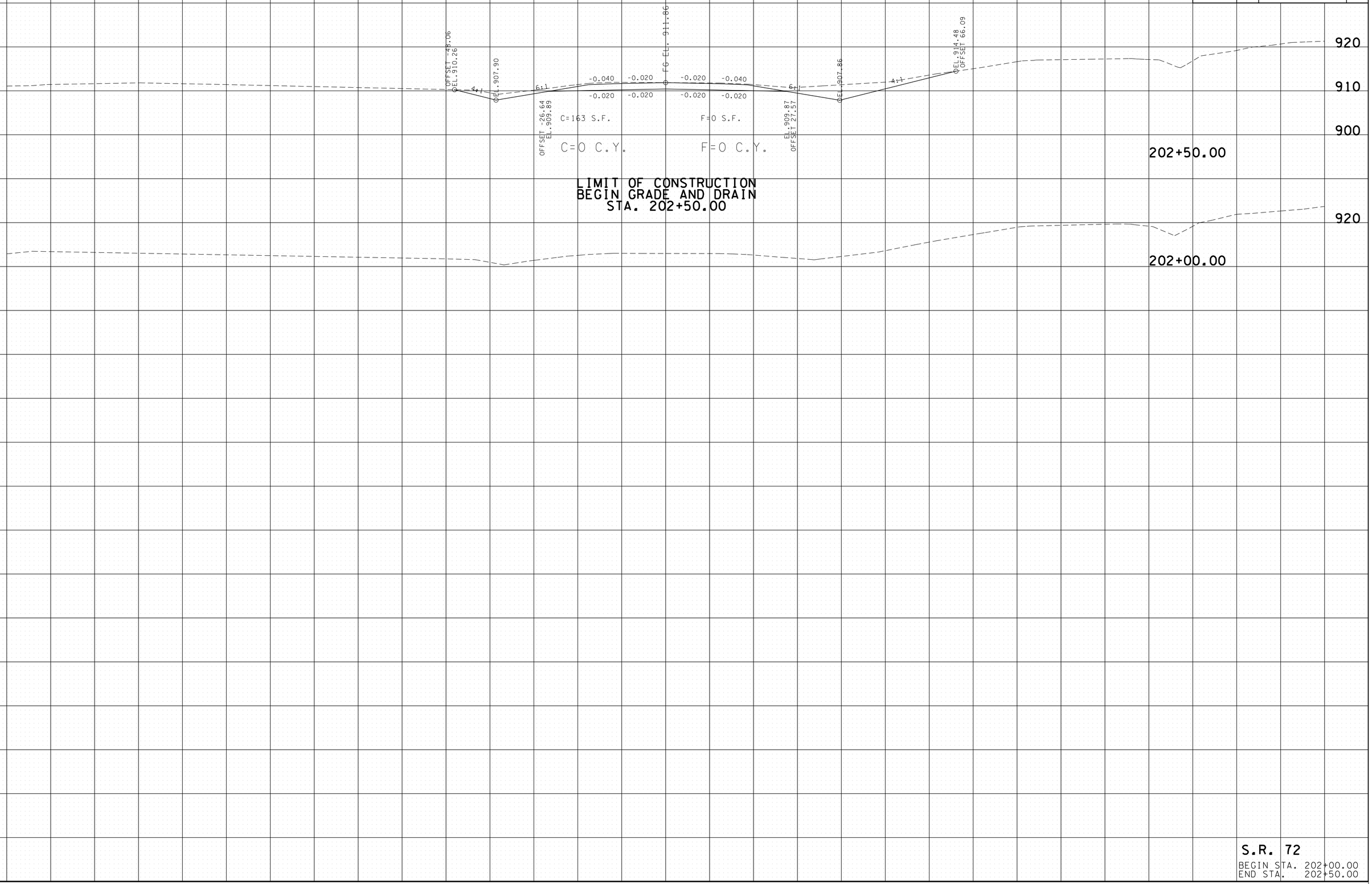
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	183
PS&E	2026	R-STP-322(15)	181



S.R. 72

BEGIN STA. 202+00.00
END STA. 202+50.00

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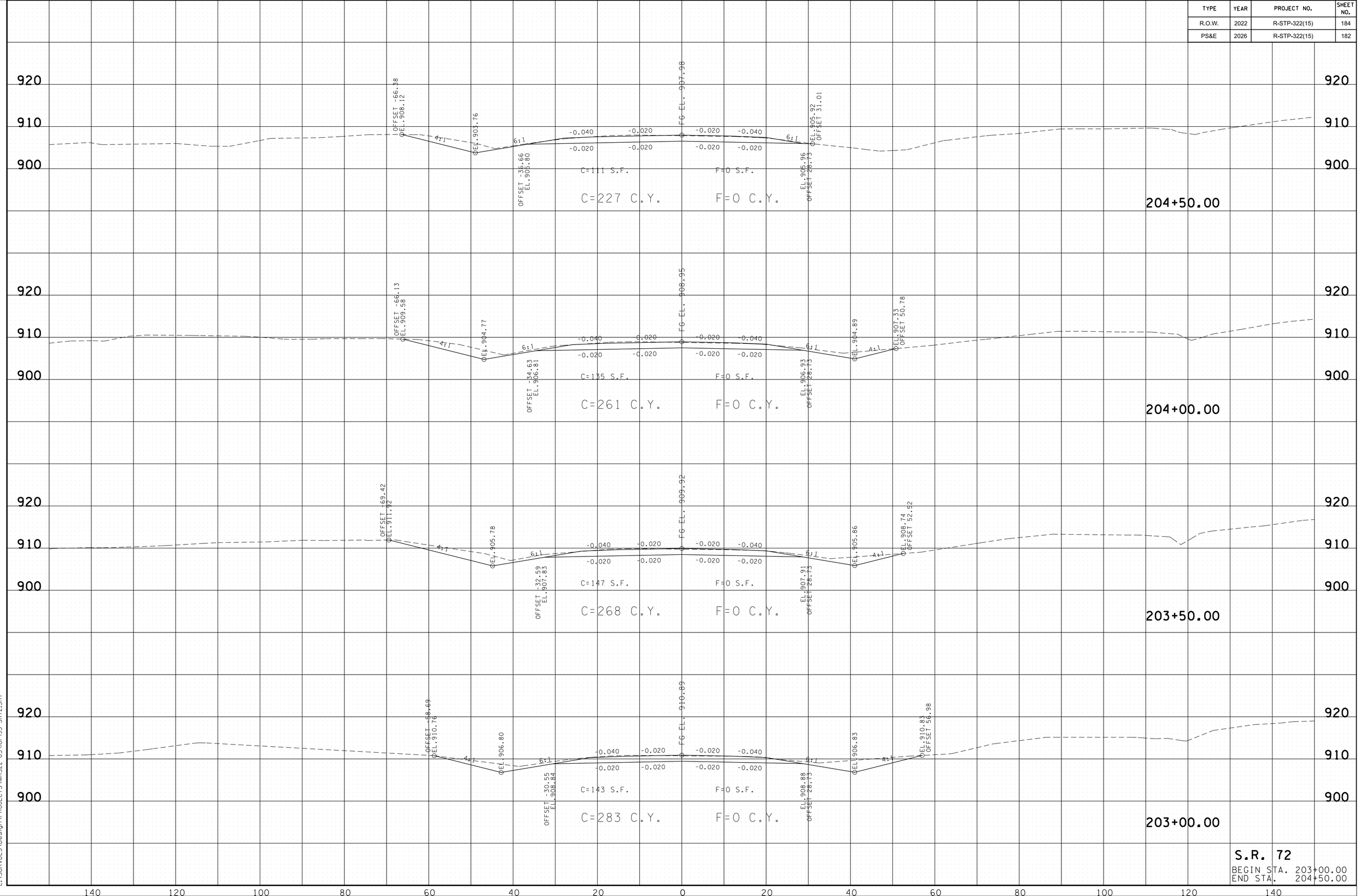
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	184
PS&E	2026	R-STP-322(15)	182



S.R. 72

BEGIN STA. 203+00.00
END STA. 204+50.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	185
PS&E	2026	R-STP-322(15)	183

S.R. 72
BEGIN STA. 205+00.00
END STA. 206+00.00

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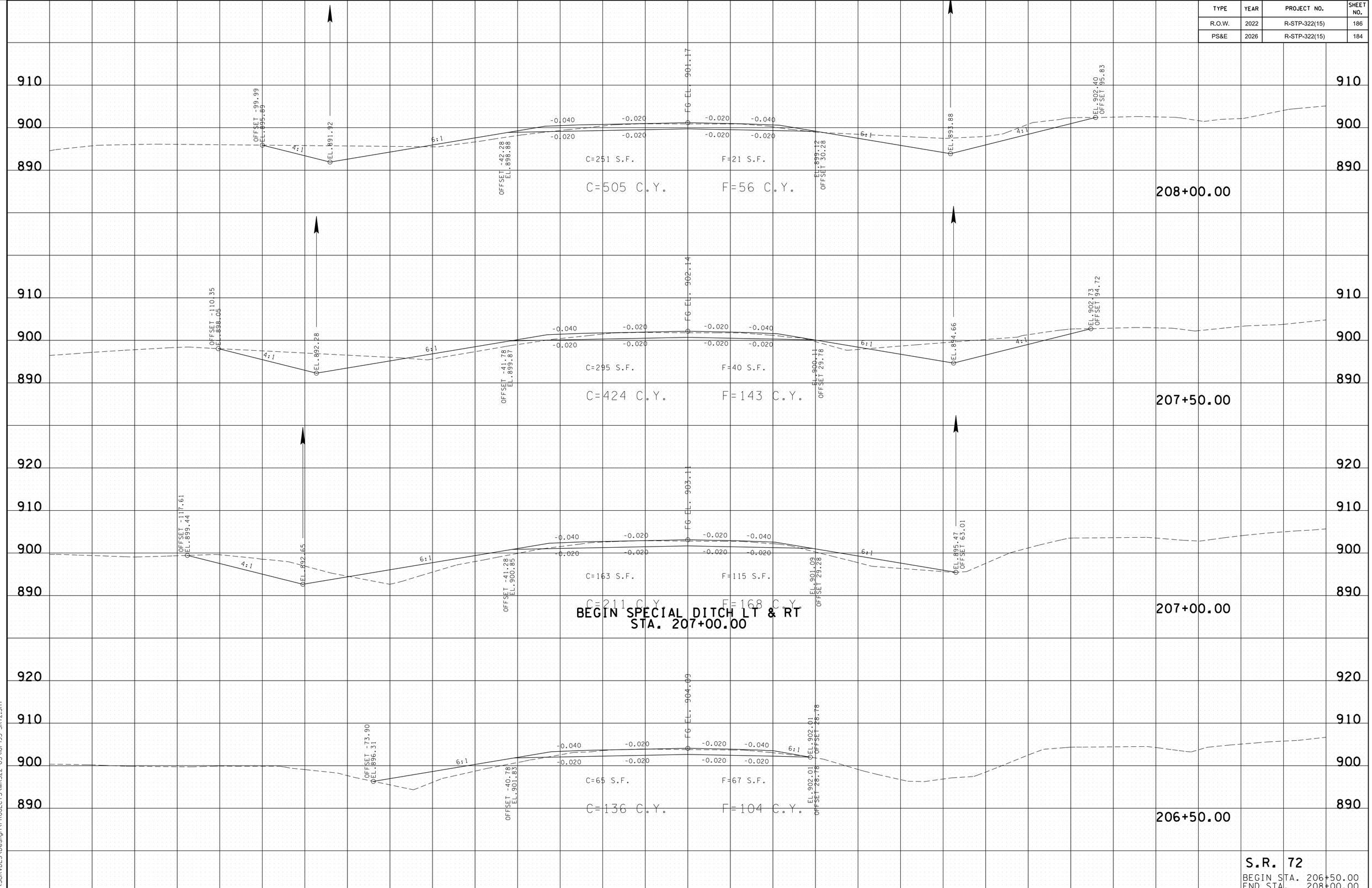
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	186
PS&E	2026	R-STP-322(15)	184



S.R. 72
BEGIN STA. 206+50.00
END STA. 208+00.00

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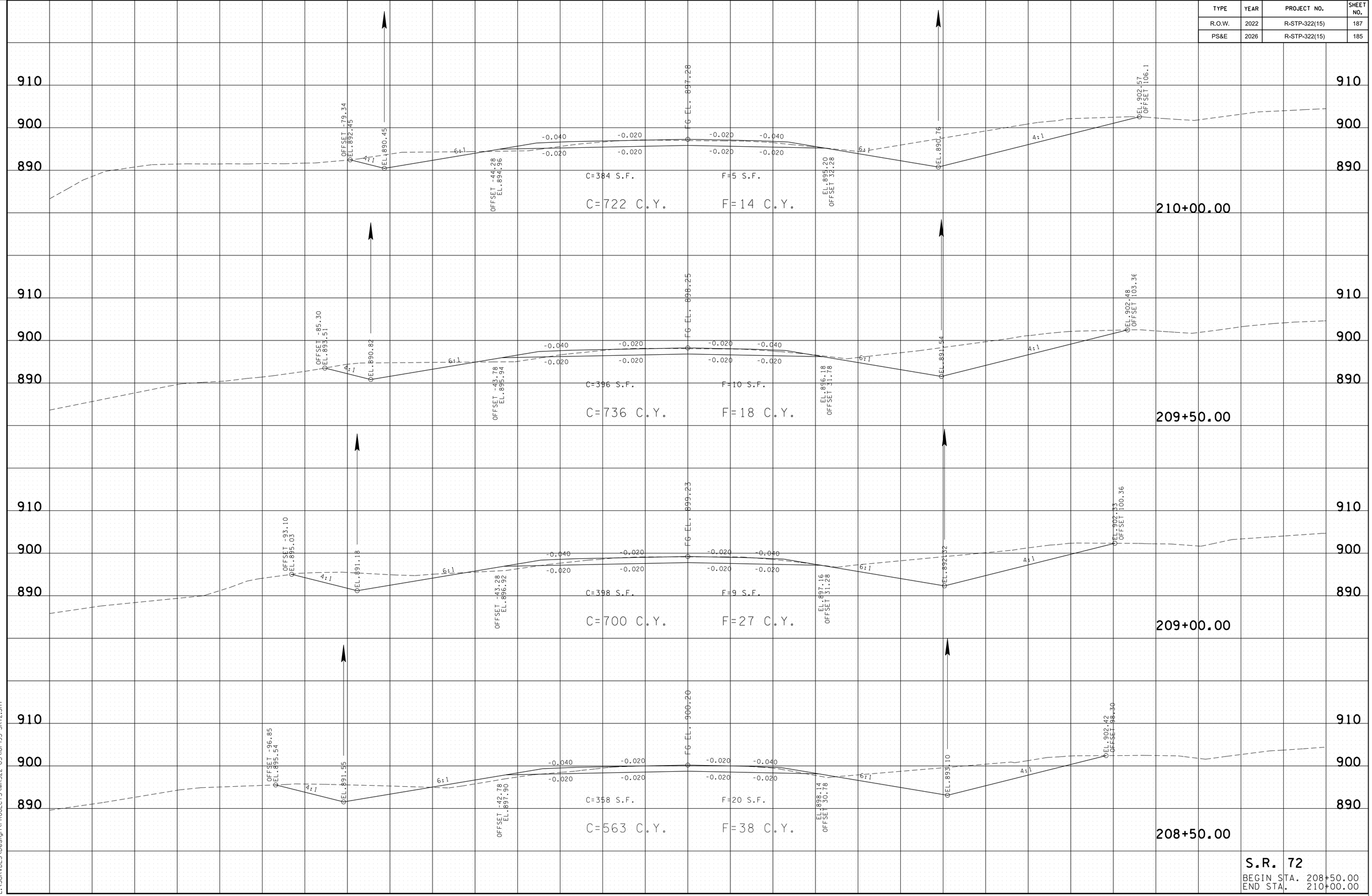
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	187
PS&E	2026	R-STP-322(15)	185



S.R. 72

BEGIN STA. 208+50.00
END STA. 210+00.00

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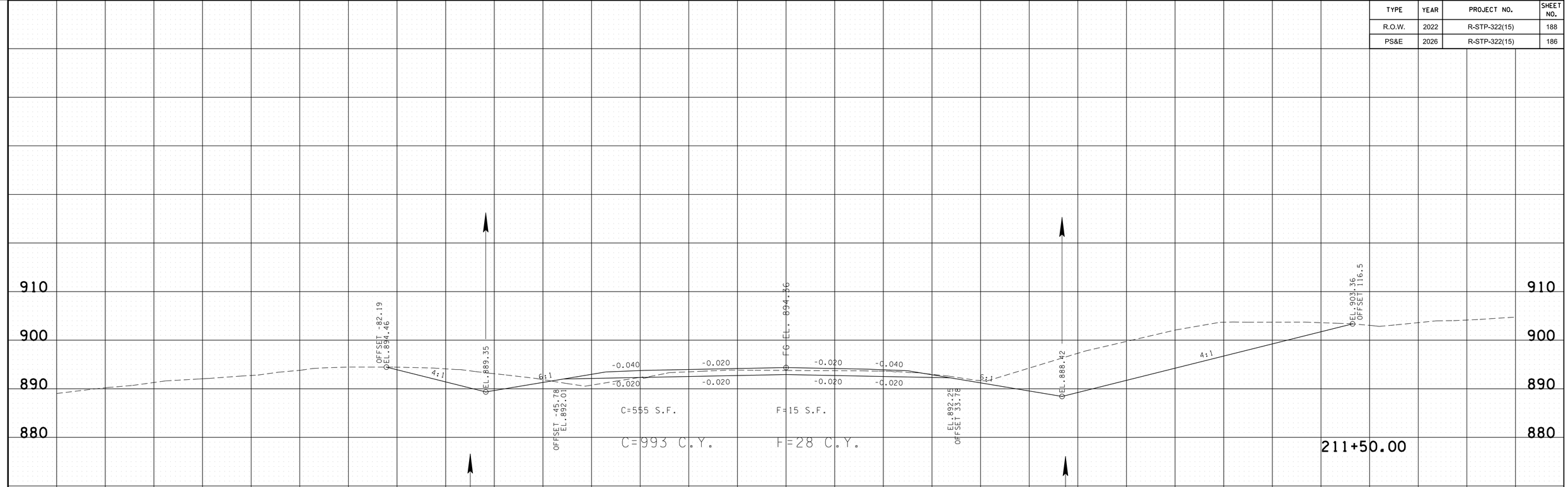
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	188
PS&E	2026	R-STP-322(15)	186



S.R. 72

BEGIN STA. 210+50.00
END STA. 211+50.00

2/24/2026 10:05:39 AM
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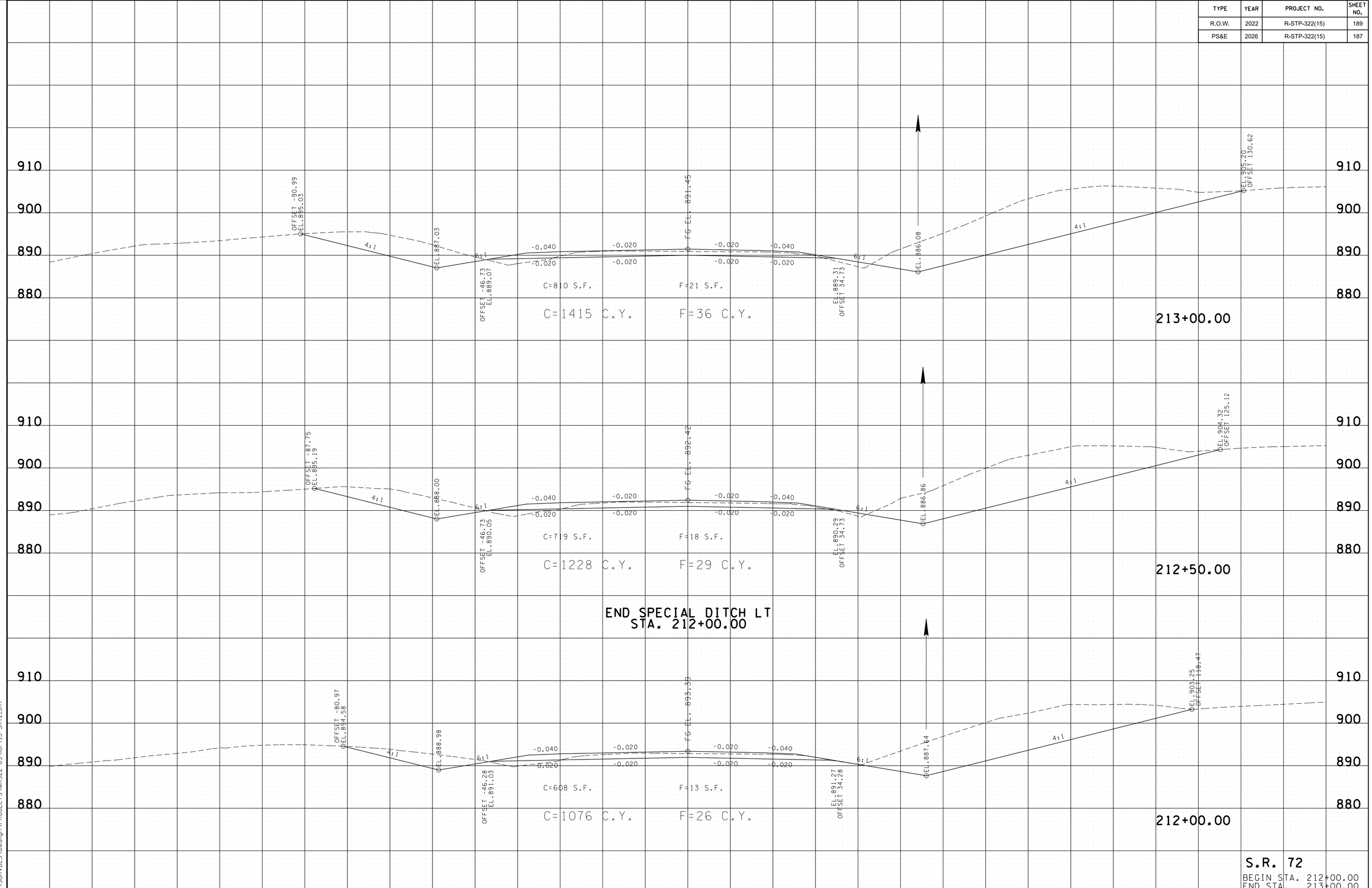
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	189
PS&E	2026	R-STP-322(15)	187



S.R. 72

BEGIN STA. 212+00.00
END STA. 213+00.00

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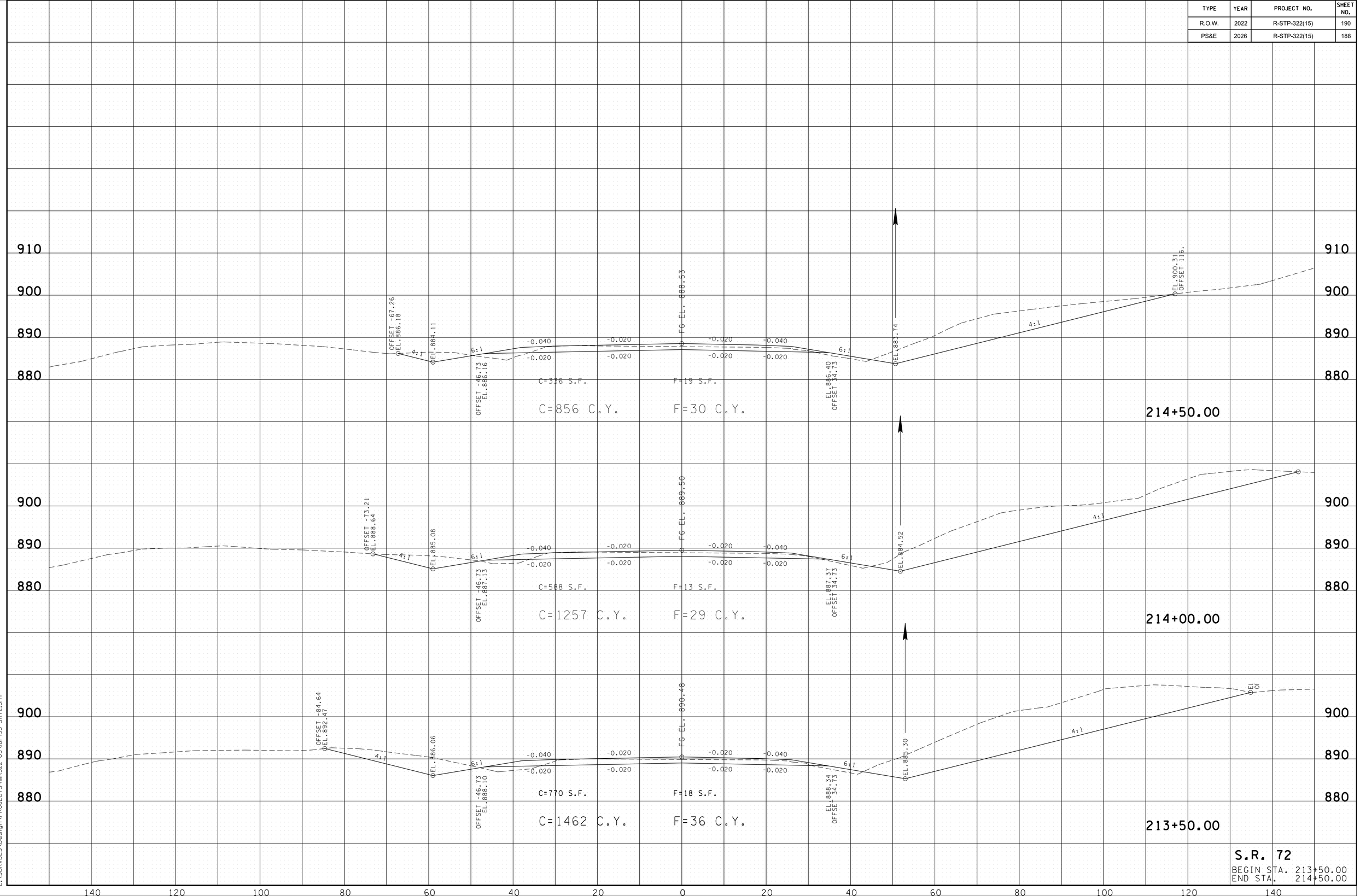
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	190
PS&E	2026	R-STP-322(15)	188



S.R. 72

BEGIN STA. 213+50.00

END STA. 214+50.00

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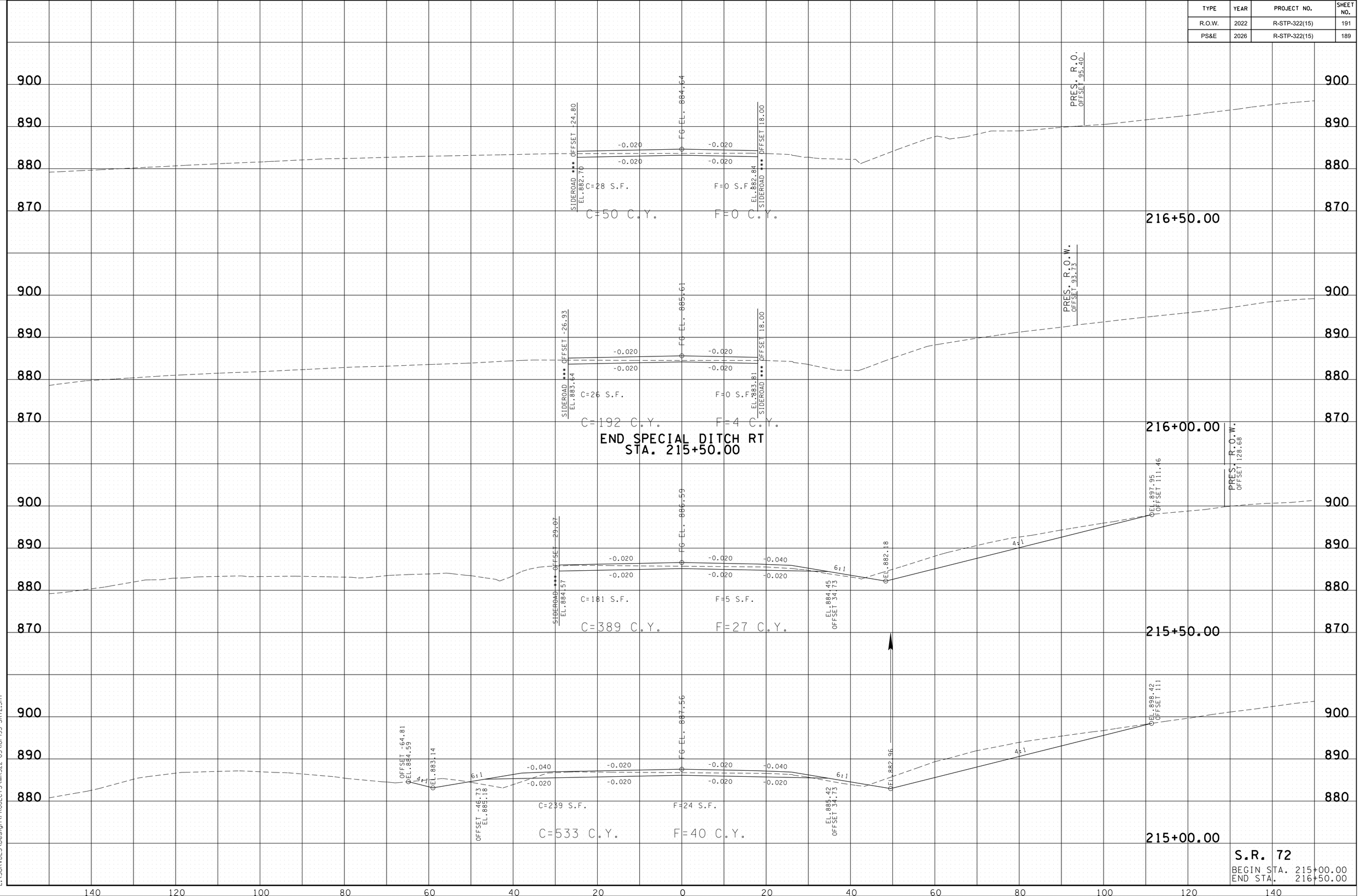
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	191
PS&E	2026	R-STP-322(15)	189



S.R. 72

BEGIN STA. 215+00.00
END STA. 216+50.00

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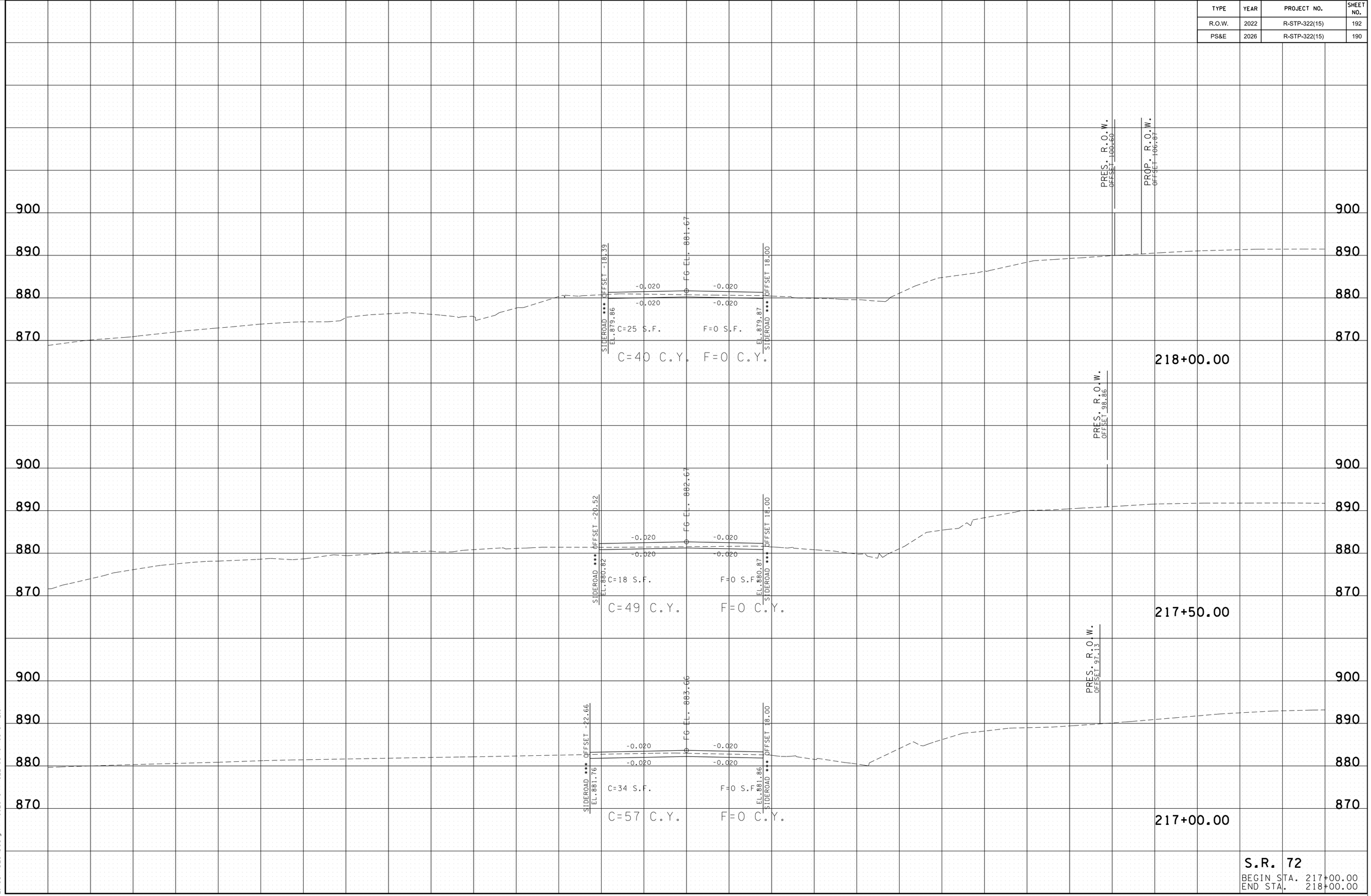
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	192
PS&E	2026	R-STP-322(15)	190



S.R. 72
BEGIN STA. 217+00.00
END STA. 218+00.00

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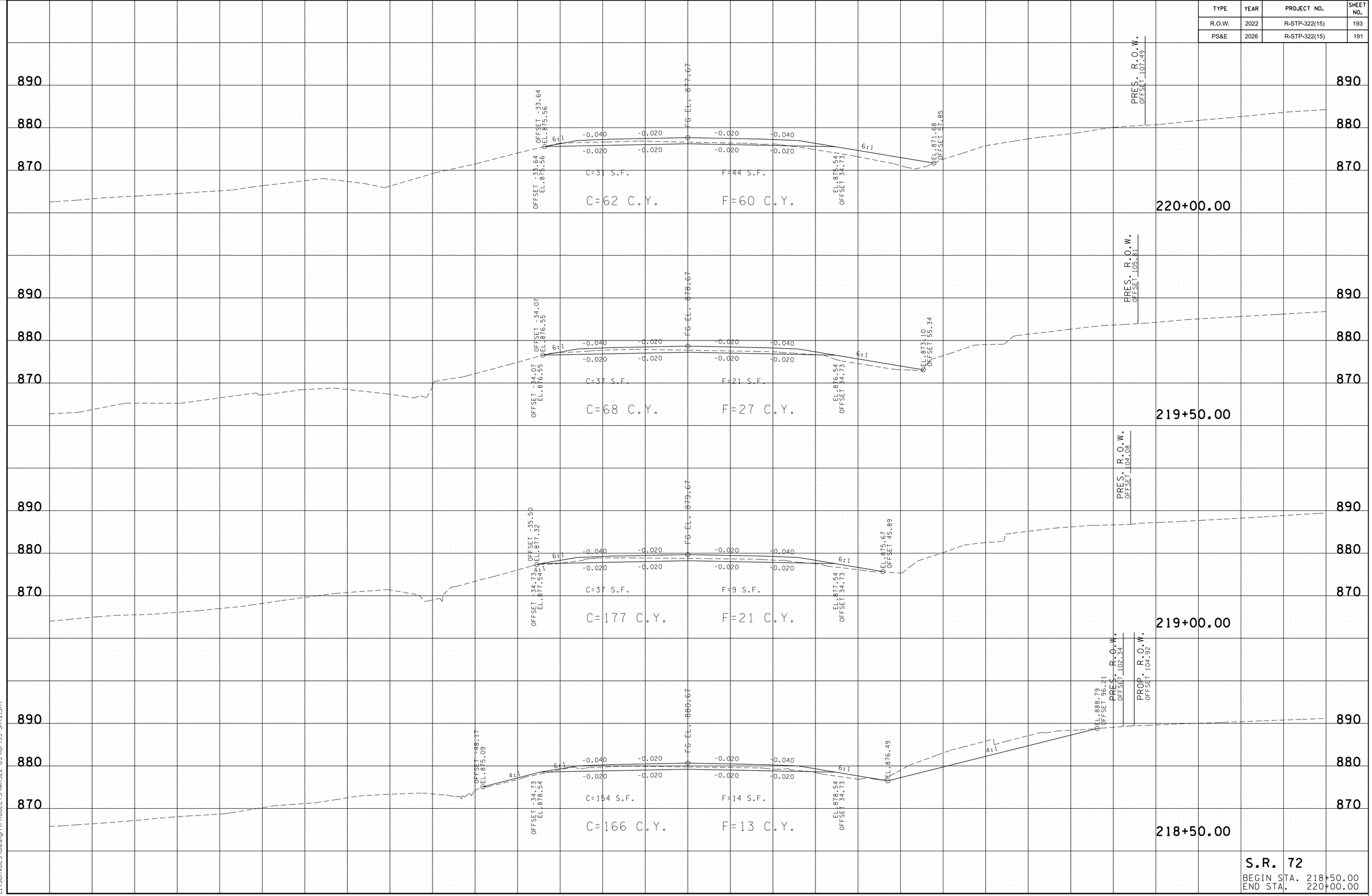
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	193
PS&E	2026	R-STP-322(15)	191



S.R. 72
BEGIN STA. 218+50.00
END STA. 220+00.00

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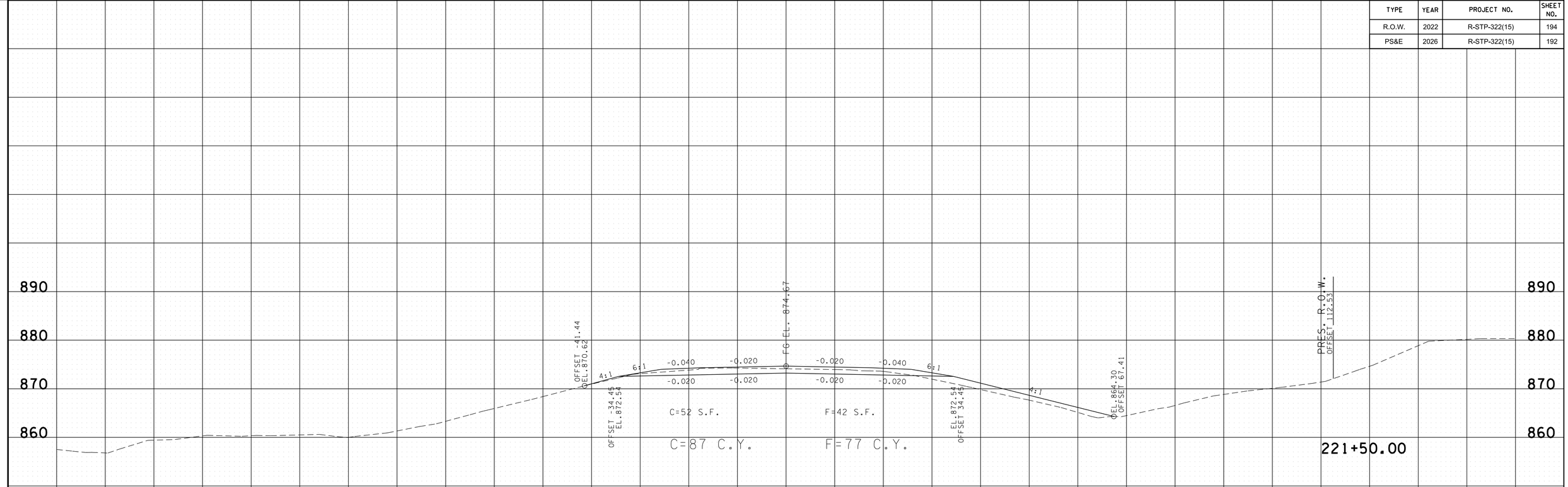
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	194
PS&E	2026	R-STP-322(15)	192



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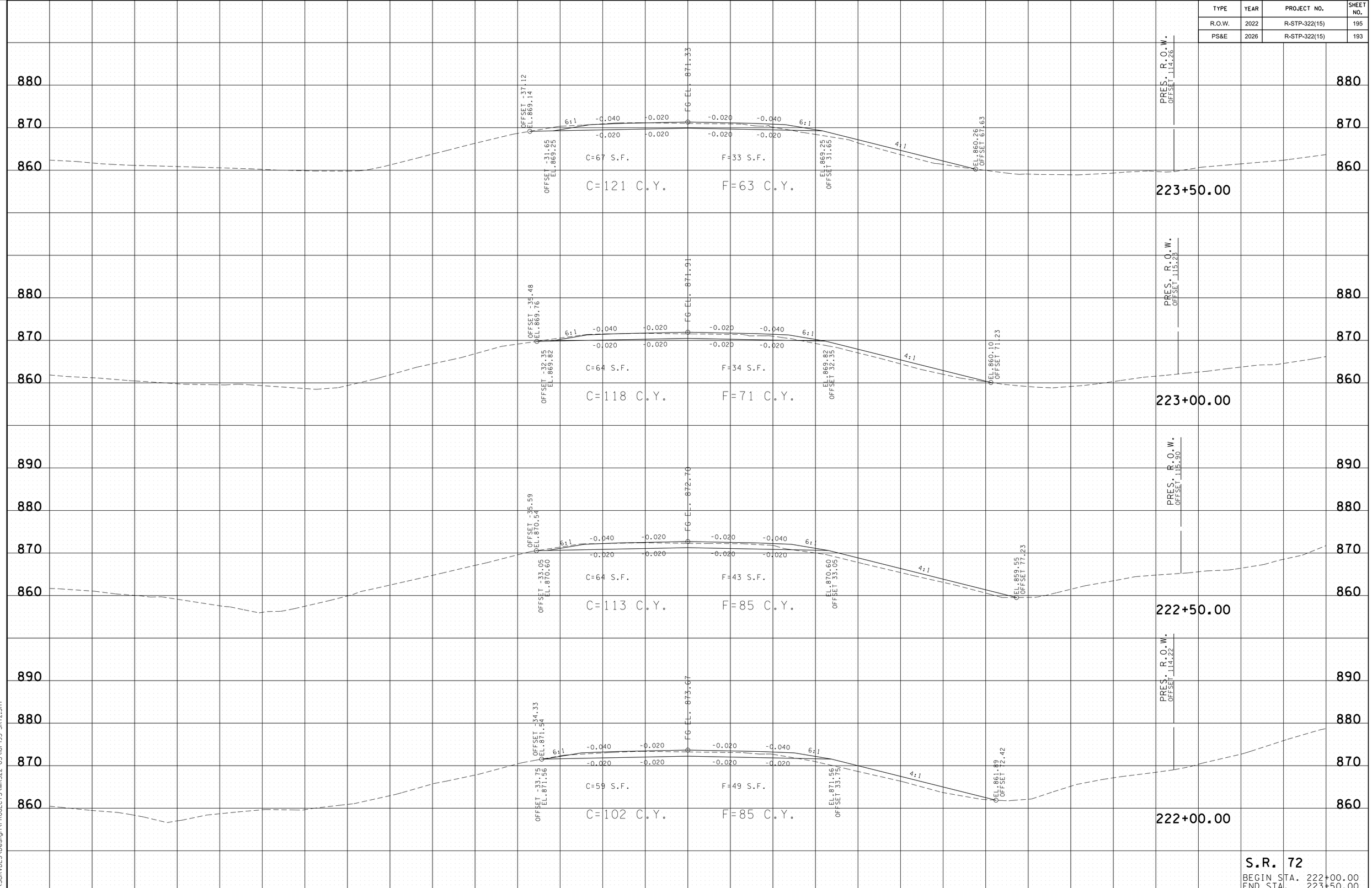
S.R. 72
BEGIN STA. 220+50.00
END STA. 221+50.00

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	195
PS&E	2026	R-STP-322(15)	193



S.R. 72
BEGIN STA. 222+00.00
END STA. 223+50.00

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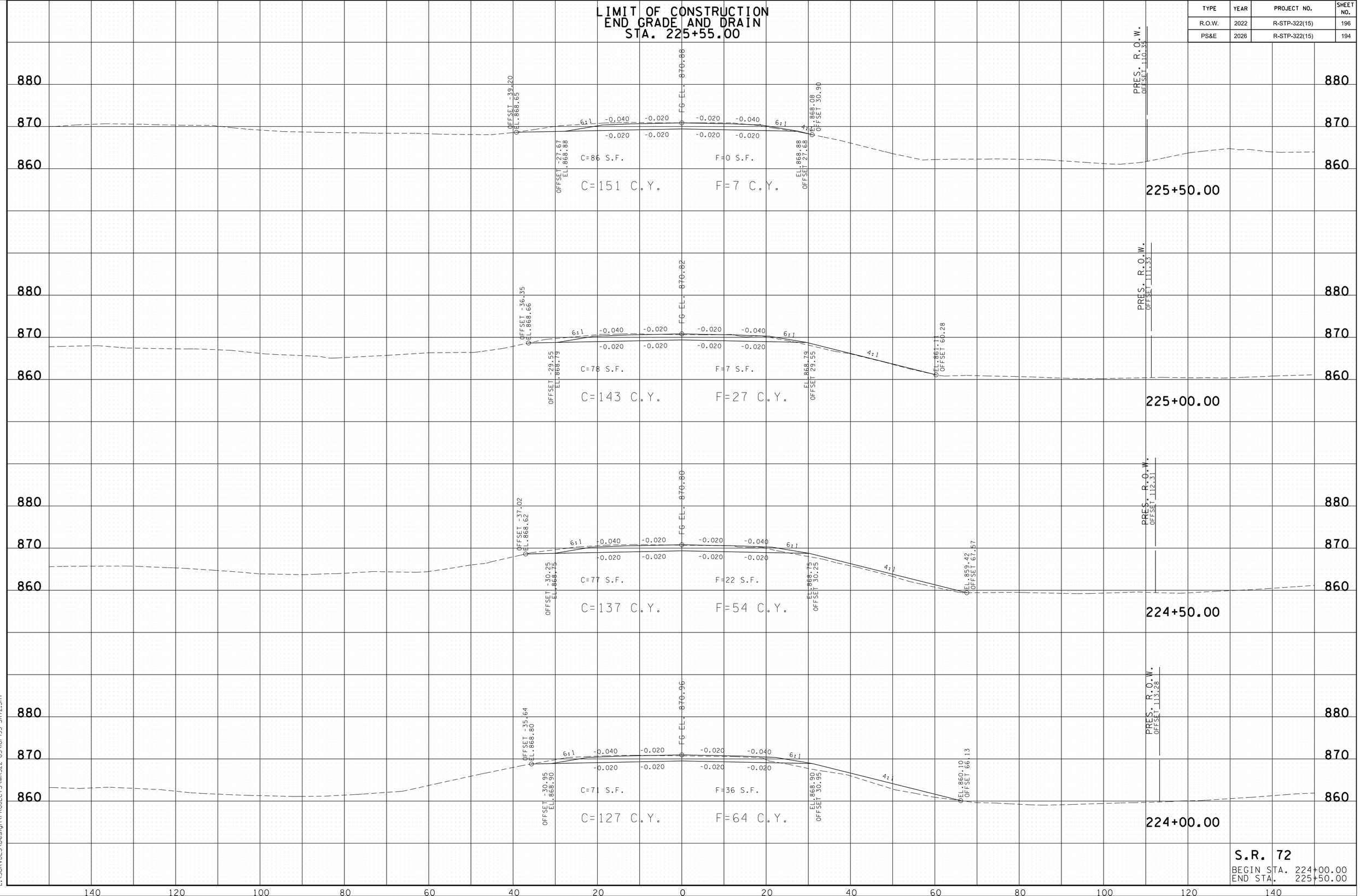
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	196
PS&E	2026	R-STP-322(15)	194



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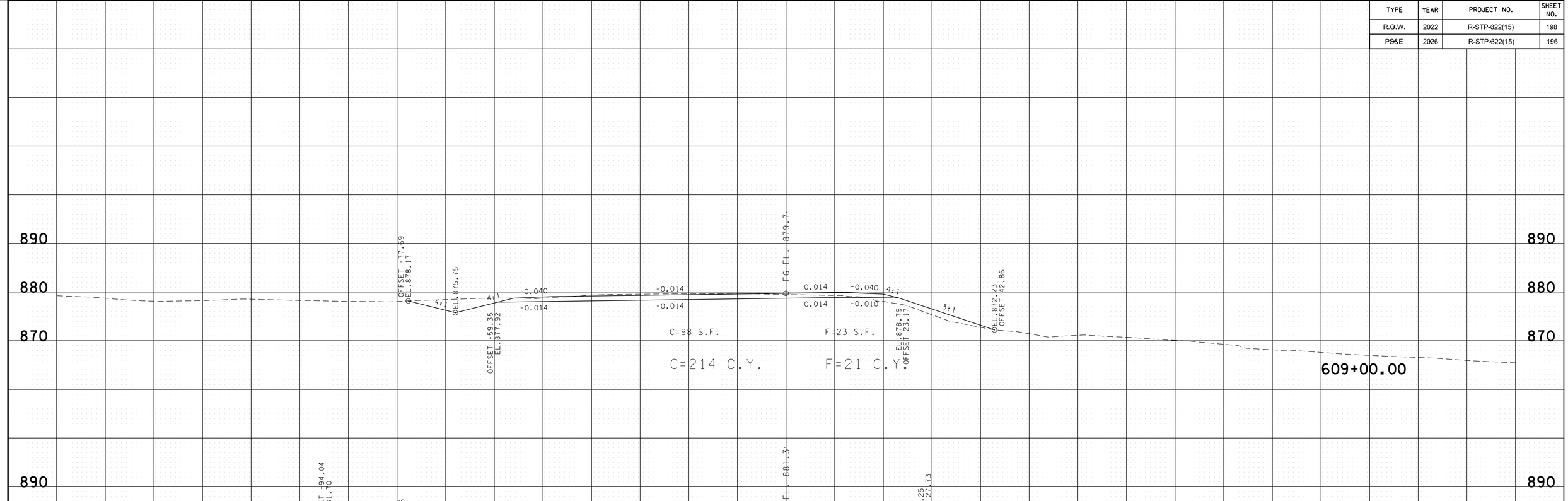
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	198
PS&E	2026	R-STP-322(15)	196



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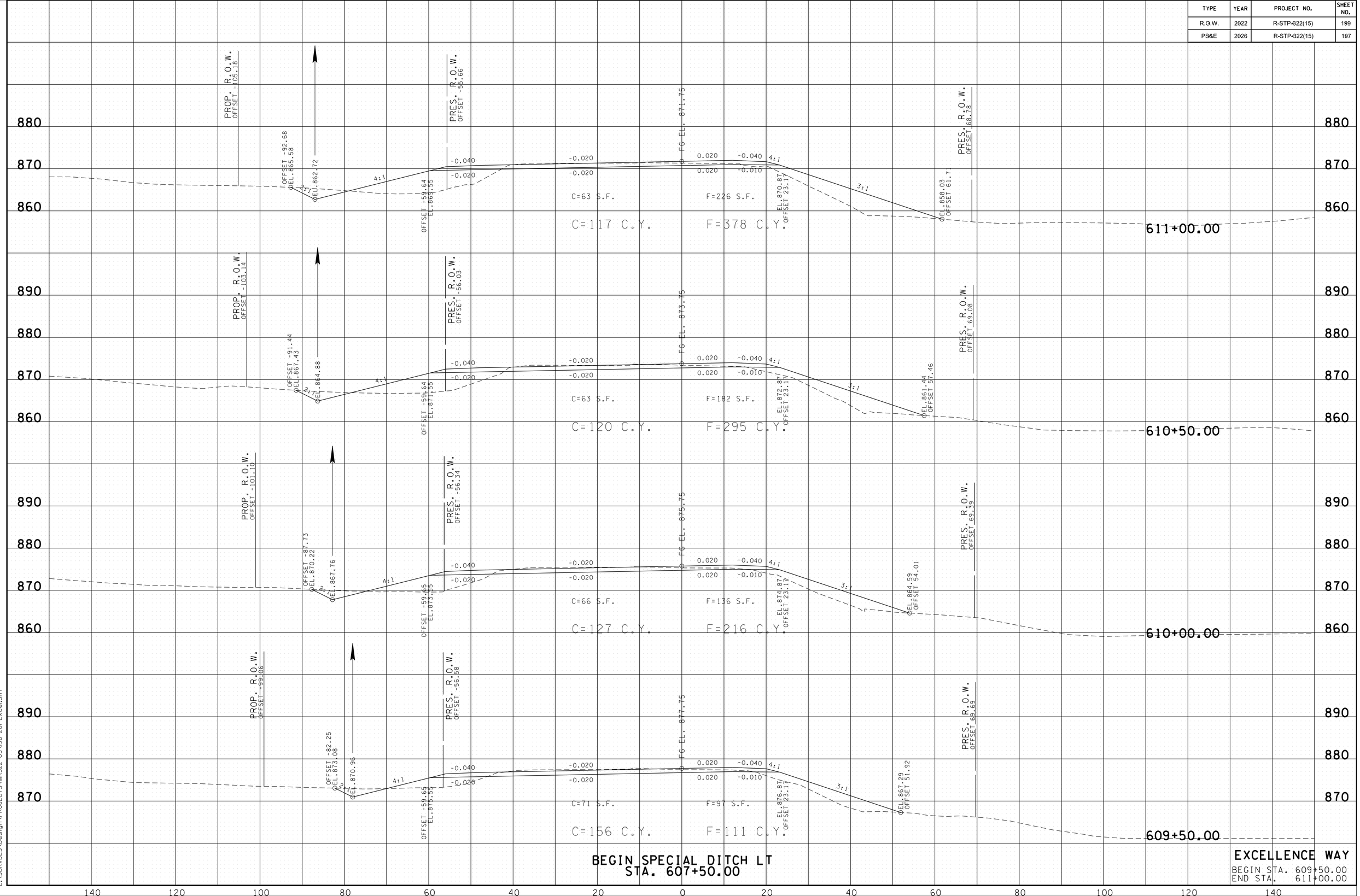
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	199
PS&E	2026	R-STP-322(15)	197



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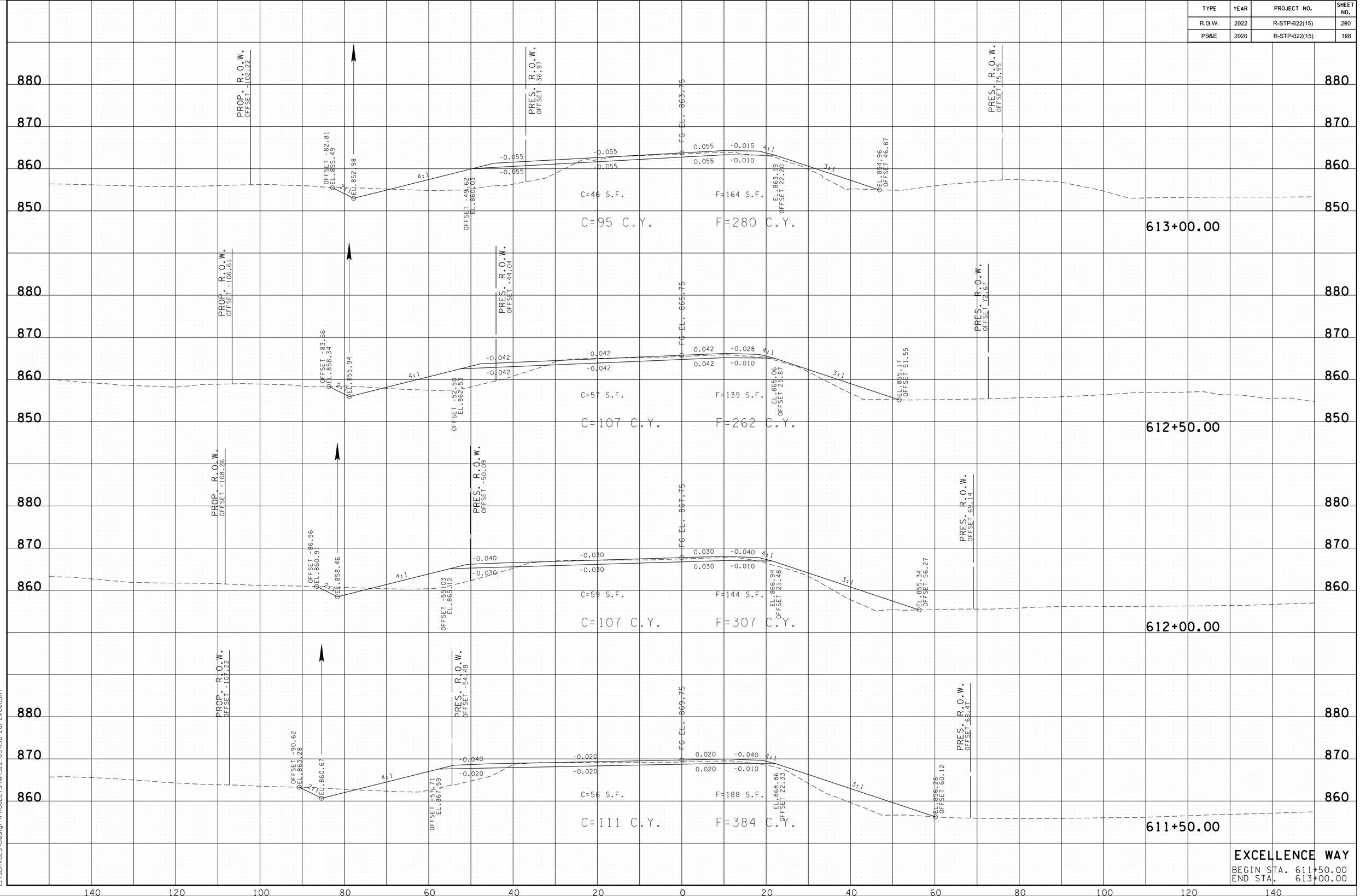
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	280
PS&E	2026	R-STP-322(15)	198



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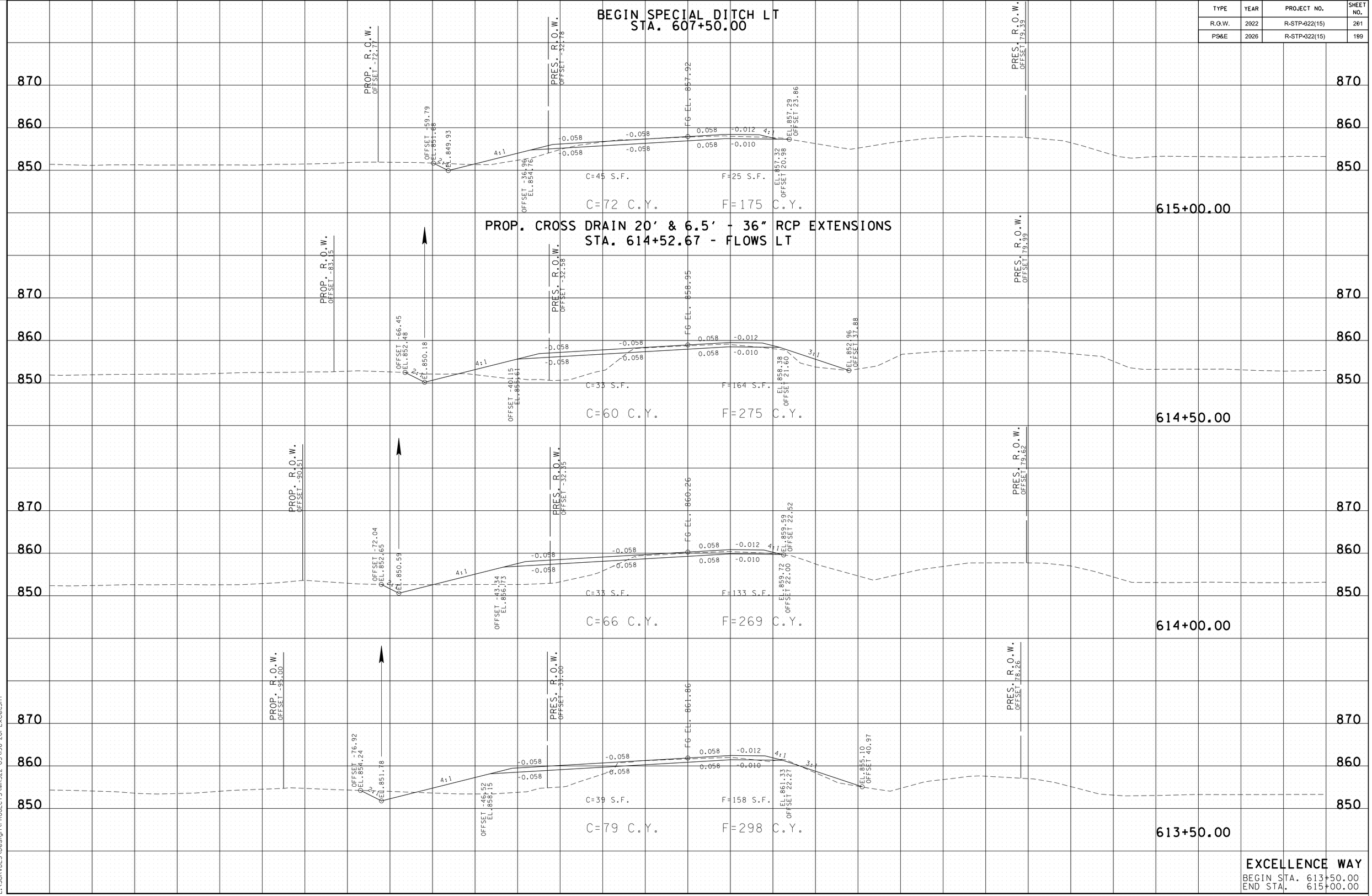
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	201
PS&E	2026	R-STP-322(15)	199



EXCELLENCE WAY
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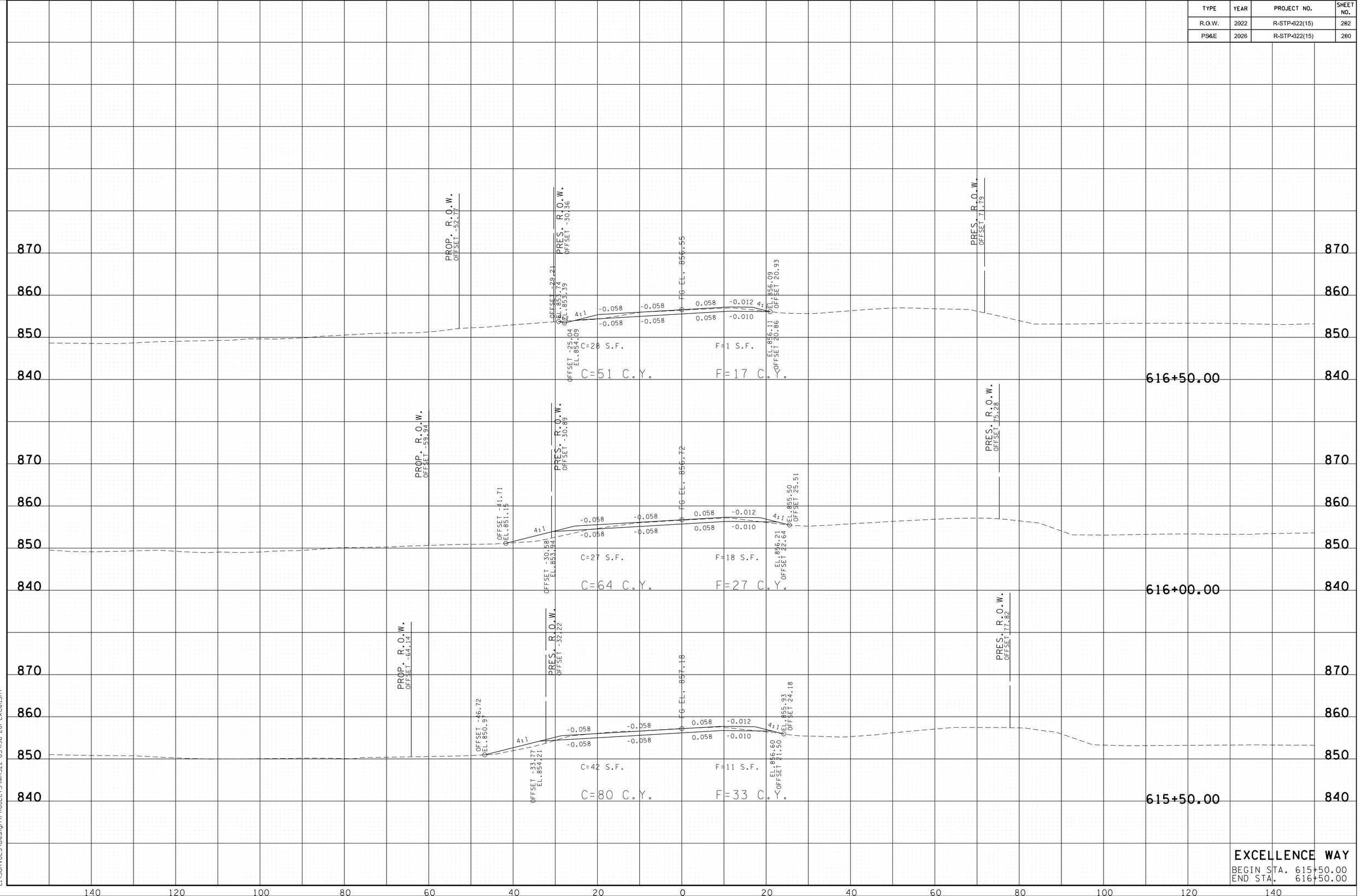
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	202
PS&E	2026	R-STP-322(15)	200



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TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	203
PS&E	2026	R-STP-322(15)	201

PROP. R.O.W.
OFFSET -42.47

PRES. R.O.W.
OFFSET -31.18

PRES. R.O.W.
OFFSET -31.91

PRES. R.O.W.
OFFSET 62.06

PRES. R.O.W.
OFFSET 67.37

C=0 S.F.
F=0 S.F.
C=5 C.Y.
F=0 C.Y.

LIMIT OF CONSTRUCTION
END GRADE AND DRAIN
STA. 617+10.00

617+50.00

617+00.00

OFFSET -15.72
EL. 855.22

OFFSET -15.72
EL. 855.02

FG EL. 856.66

EL. 856.90
OFFSET 12.60

EL. 856.10
OFFSET 12.60

-0.041-0.041
0.041
-0.041-0.041
0.041 -0.010
-0.02

C=25 S.F.
F=0 S.F.
C=49 C.Y.
F=0 C.Y.

860
850
870
860
850

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

EXCELLENCE WAY
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END STA. 618+00.00

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T1

PAVEMENT EDGE DROP-OFF TRAFFIC CONTROL NOTES

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

   SEPARATION WILL BE PROVIDED BY USE OF PORTABLE BARRIER RAIL.

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

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

1. IF THE DIFFERENCE IN ELEVATION IS WITHIN 8 FEET OF THE NEAREST TRAFFIC LANE WITH DIFFERENCE IN ELEVATION GREATER THAN 0.75 INCH AND NOT EXCEEDING 2 INCHES.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SEALED BY

STACY L. WEAVER
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE & INSURANCE
No. 111982
STATE OF TENNESSEE

2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PAVEMENT EDGE DROP-OFF NOTES FOR TRAFFIC CONTROL

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T2

TRAFFIC CONTROL SIGN TABULATION

M.U.T.C.D. SIGN NO.	LEGEND	SIZE IN INCHES L	X	W	S.F.	NO. REQUIRED PHASE I	NO. REQUIRED PHASE II	NO. REQUIRED PHASE III	NO. REQUIRED PHASE IV	NO. REQUIRED PHASE V	TOTAL NO. REQUIRED	ITEM NO. 712-06 S.F.	STANDARD DRAWING NO.	REMARKS
G20-1	ROAD WORK NEXT XX MILES	64"	X	20"	9	3	3				3	27	T-WZ-10	
G20-2	END ROAD WORK	48"	X	24"	8	14	9				14	112		DETOUR SIGN - PHASE 1 AND PHASE 2
M4-9L	DETOUR LEFT	30"	X	24"	5	1	1				1	5		DETOUR SIGN - PHASE 1 AND PHASE 2
M4-9R	DETOUR RIGHT	30"	X	24"	5	1	1				1	5		
R11-2	ROAD CLOSED	48"	X	30"	10	9	1				9	90		INCLUDES DETOUR SIGNS.
R11-4	ROAD CLOSED TO THRU TRAFFIC	60"	X	30"	13	1	1				1	13		DETOUR SIGN - PHASE 1 AND PHASE 2
SPECIAL	STREET NAME (HENDRIX LOOP)	30"	X	24"	5	2	2				2	10		DETOUR SIGN - PHASE 1 AND PHASE 2
W1-4L	LANE SHIFT	48"	X	48"	16	2	5				5	80	T-WZ-16	
W3-4	BE PREPARED TO STOP	48"	X	48"	16	2	2				2	32		TO BE USED WHEN CONST. OPS. WARRANT
W8-11	UNEVEN LANES	48"	X	48"	16	2	2				2	32		TO BE USED WHEN CONST. OPS. WARRANT
W8-15	GROOVED PAVEMENT	48"	X	48"	16	2	2				2	32		TO BE USED WHEN CONST. OPS. WARRANT
W8-15P	MOTORCYCLE (PLAQUE)	30"	X	24"	5	2	2				2	10		TO BE USED WHEN CONST. OPS. WARRANT
W8-17	SHOULDER DROP OFF (SYMBOL)	48"	X	48"	16	2	2				2	32		TO BE USED WHEN CONST. OPS. WARRANT
W8-17P	SHOULDER DROP OFF (PLAQUE)	30"	X	24"	5	2	2				2	10		TO BE USED WHEN CONST. OPS. WARRANT
W20-1 (1 MILE)	ROAD WORK 1 MILE	48"	X	48"	16	3					3	48	T-WZ-10	
W20-1 (1/2 MILE)	ROAD WORK 1/2 MILE	48"	X	48"	16	3					3	48	T-WZ-10	
W20-1 (1000 FT)	ROAD WORK 1000 FT	48"	X	48"	16	3					3	48	T-WZ-10	
W20-1 (AHEAD)	ROAD WORK AHEAD	48"	X	48"	16	12	16				16	256	T-WZ-10	
W20-4	ONE LANE ROAD AHEAD	36"	X	36"	9	2	2				2	18		TO BE USED WHEN CONST. OPS. WARRANT
W20-7	FLAGGER (SYMBOL)	48"	X	48"	16	2	2				2	32		TO BE USED WHEN CONST. OPS. WARRANT
											TOTAL	939	S.F.	

TABULATED TRAFFIC CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	PHASE I QUANTITY 62016-3206-14	PHASE II QUANTITY	TOTAL QUANTITY
712-02.10	PORTABLE BARRIER RAIL (MASH TL-3)	L.F.	2620	2101	4721
712-02.12	PORTABLE BARRIER RAIL, REDUCED DEFLECTION (MASH TL-3)	L.F.	870		870
(1) 712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	8	4	12
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	456	334	790
712-04.50	BARRIER RAIL DELINEATOR	EACH	159		159
712-05.01	WARNING LIGHTS (TYPE A)	EACH	232	17	249
712-06	SIGNS (CONSTRUCTION)	S.F.	939		939
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	719	456	1175
712-09.04	REMOVABLE PAVEMENT MARKING (STOP LINE)	L.F.	225		225
712-09.08	REMOVABLE PAVEMENT MARKING (6" LINE)	L.F.		4000	4000
716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	4	4	8

(1) THIS ITEM SHALL BE A PORTABLE ENGERGY ABSORBING TERMINAL MEETING THE REQUIREDMENTS OF AASHTO MASH FOR TEST LEVEL 3. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONETS AS SHOWN ON THE MANUFACTURING DRAWING.

TRAFFIC CONTROL NOTES

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

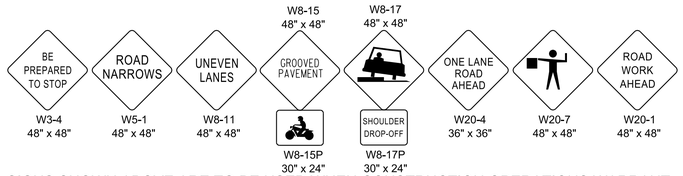
THIS TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."

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

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

ALL TRAFFIC CONTROL DEVICES SHALL BE APPROVED BY THE TDOT MANAGER.

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



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

SEALED BY



2/24/26

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC PHASING NOTES, LEGEND, AND TABULATION

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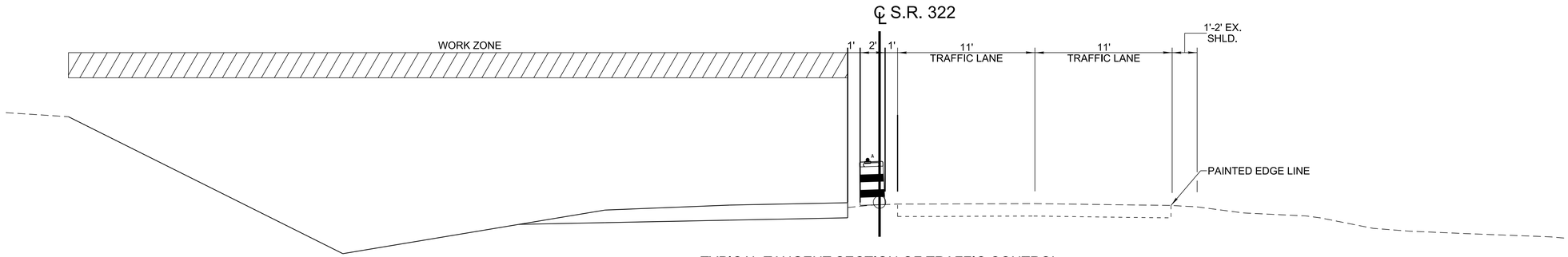
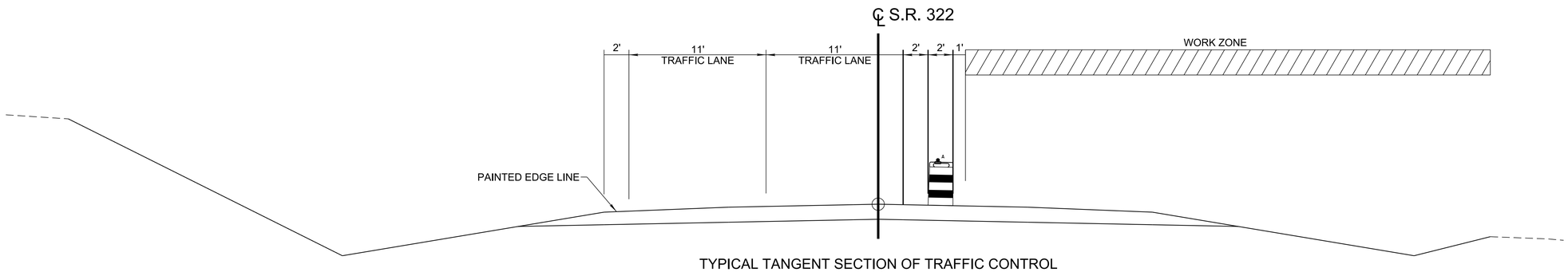
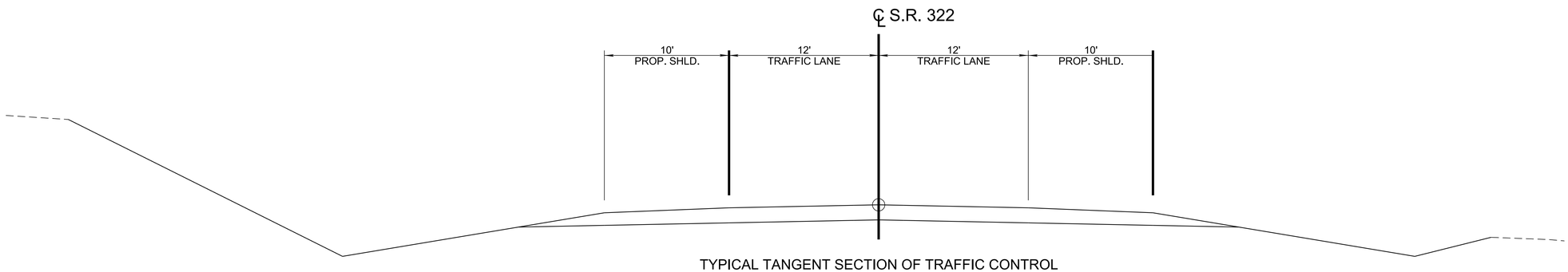
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T3



TYPICAL TANGENT SECTION OF TRAFFIC CONTROL
PHASE 1



TYPICAL TANGENT SECTION OF TRAFFIC CONTROL
PHASE 2



TYPICAL TANGENT SECTION OF TRAFFIC CONTROL
PHASE 3

PHASE 1

BUILD OUT THE LEFT SIDE OF THE PROPOSED SR 322 TYPICAL.

PHASE 2

PUT BOTH TRAFFIC LANES ON LEFT SIDE OF PROPOSED SR 322 AND FINISH OUT THE REMAINDER OF SR 322 TYPICAL.

PHASE 3

FINAL RESURFACE, STRIPE PAVEMENT MARKINGS PER THE ROADWAY PLANS, AND OPEN TRAFFIC TO NORMAL TRAFFIC OPERATIONS.

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TRAFFIC CONTROL PLANS

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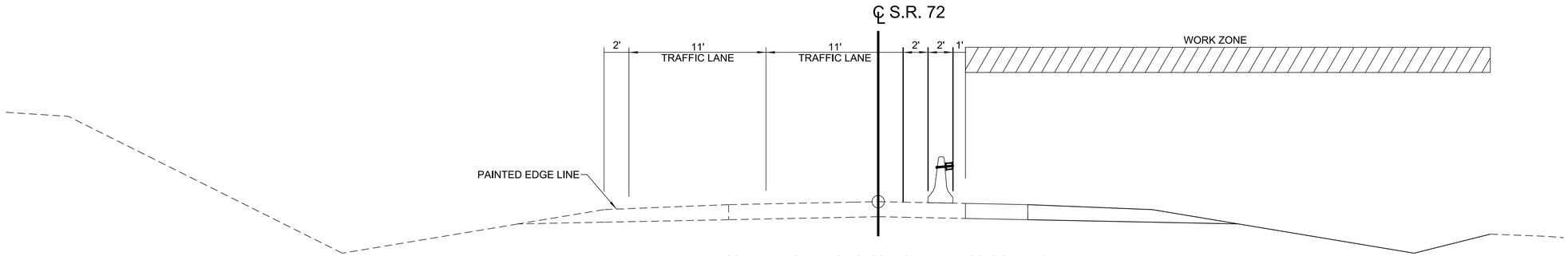
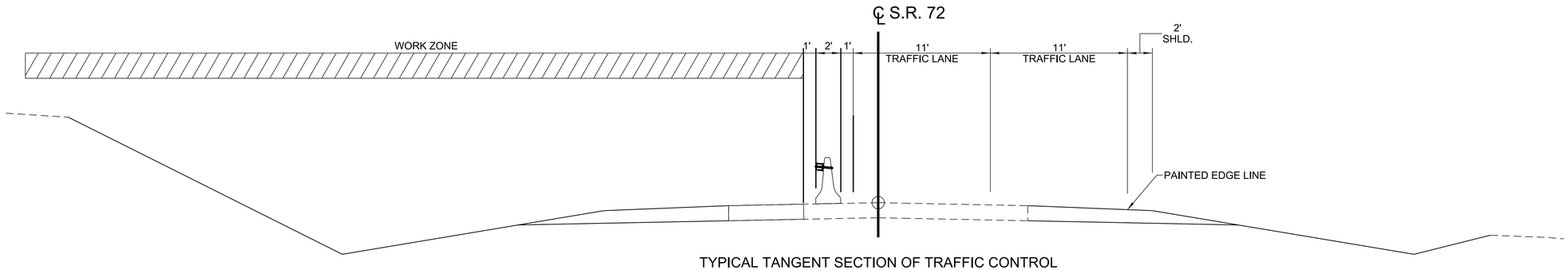
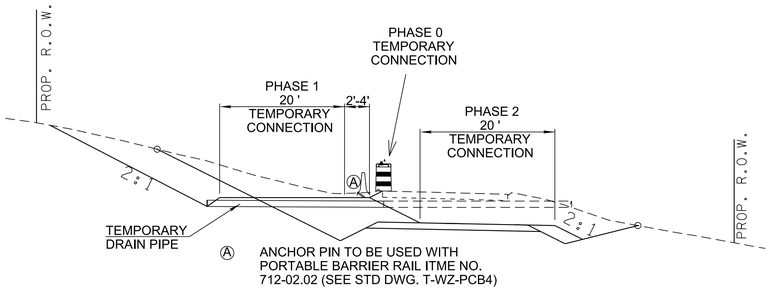


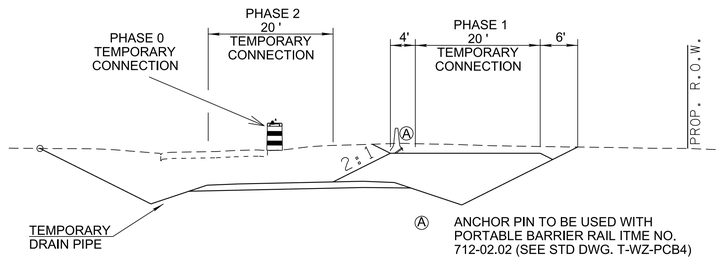
TYPICAL TANGENT SECTION OF TRAFFIC CONTROL
PHASE 1



TYPICAL TANGENT SECTION OF TRAFFIC CONTROL
PHASE 2



CANDI LANE PHASING



LAKESIDE ROAD PHASING

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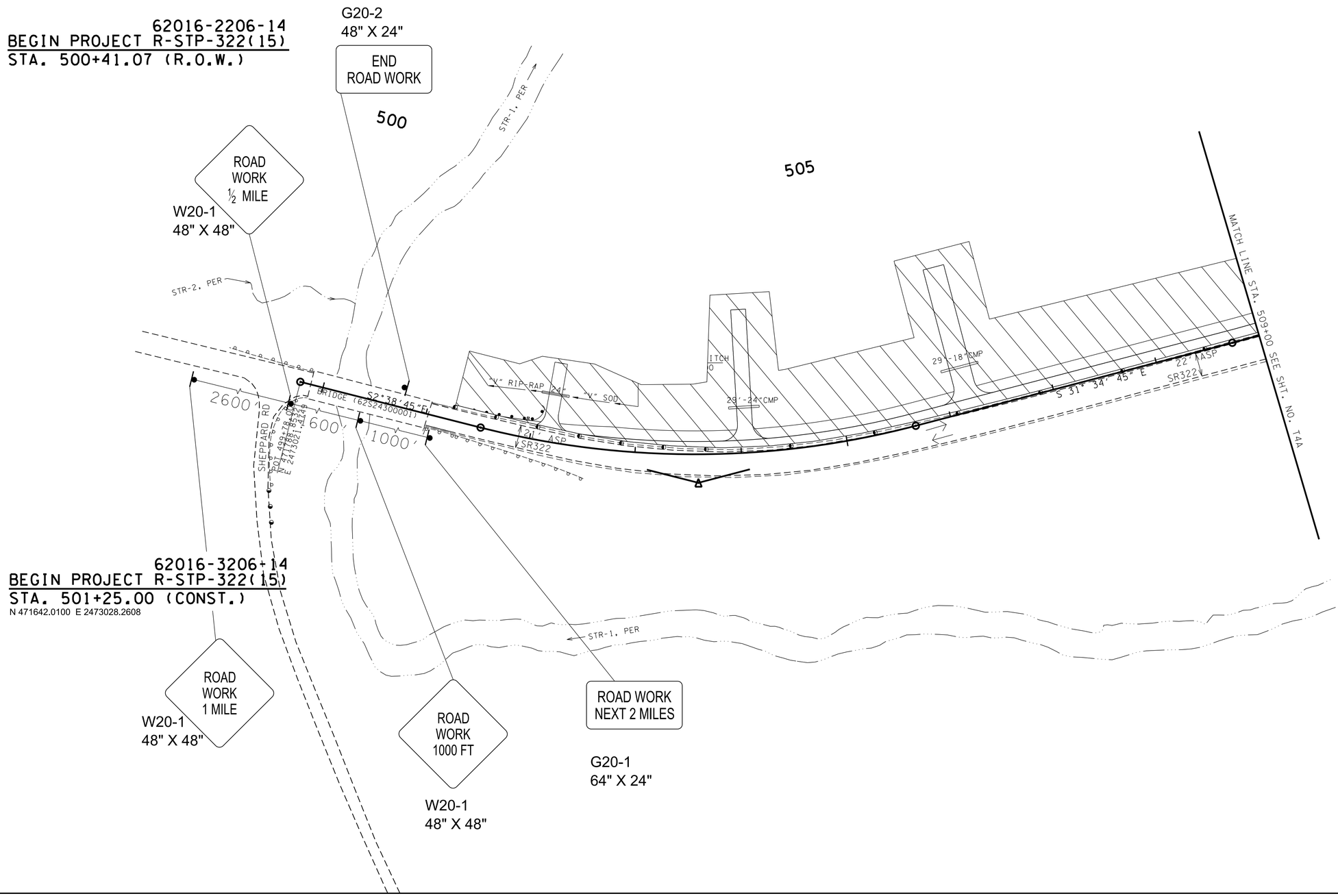

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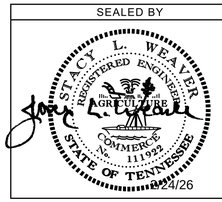

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PHASE 1

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TYPE	YEAR	PROJECT NO.	SHEET NO.
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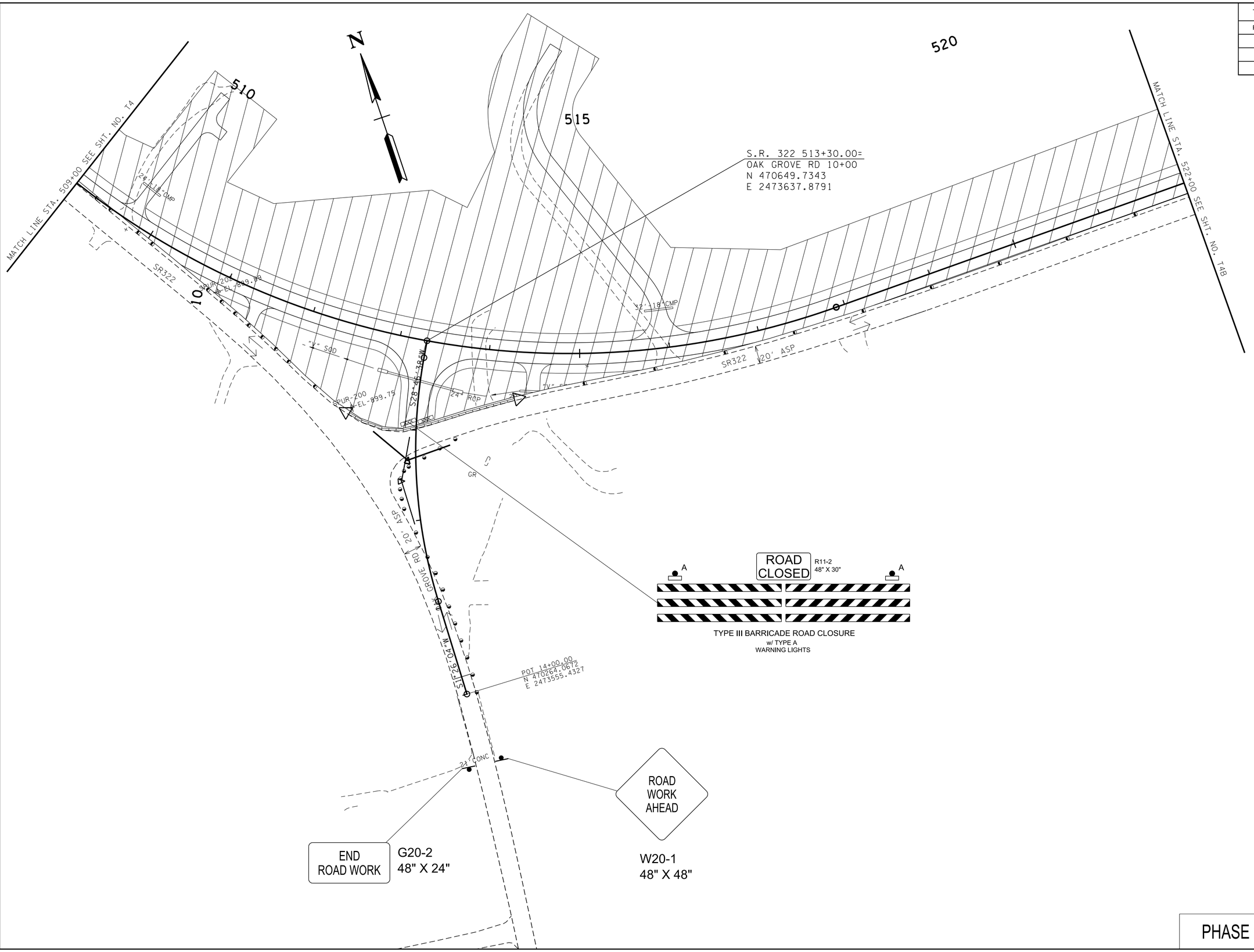

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

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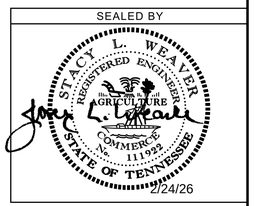

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PHASE 1

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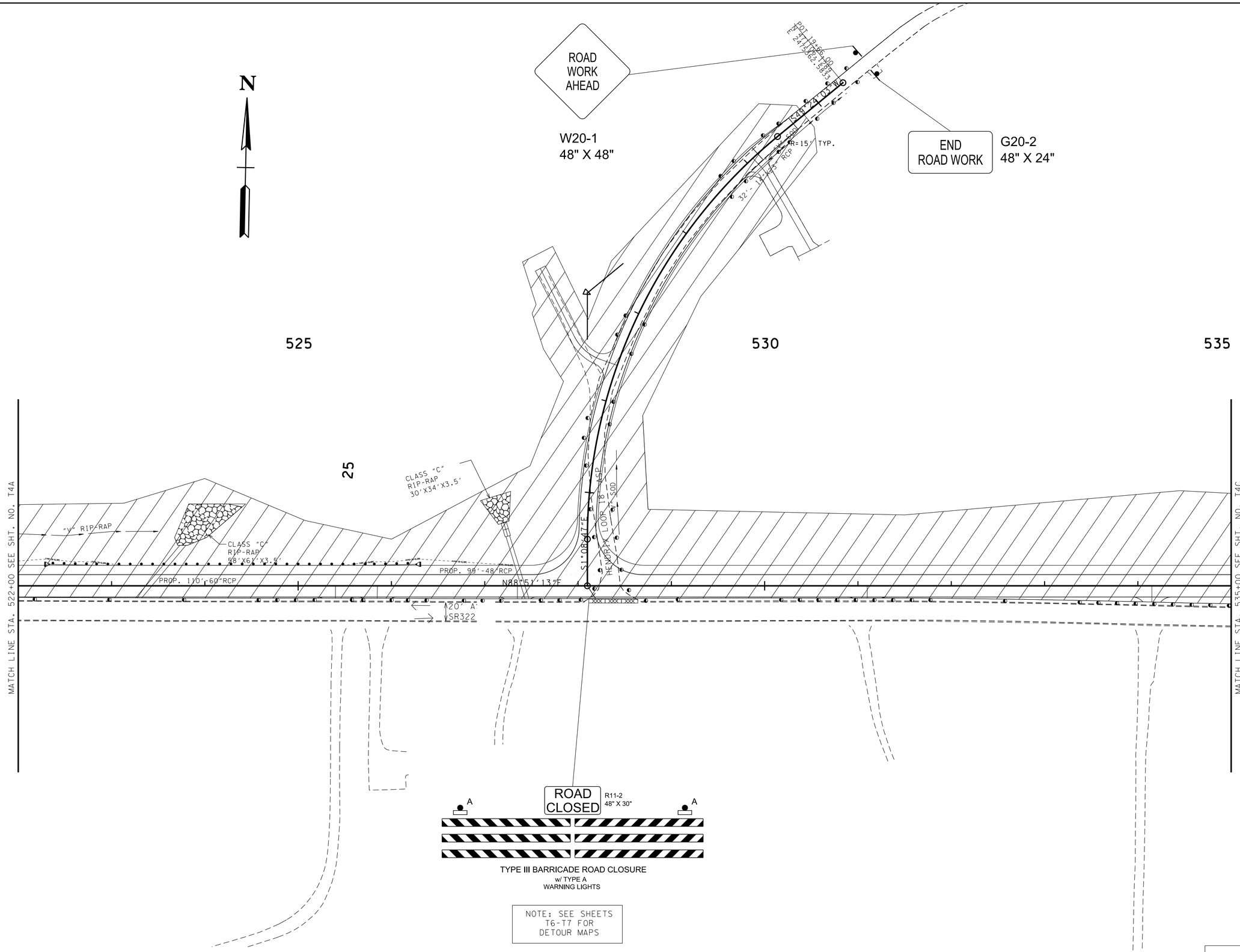

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

NOTE: SEE SHEETS T6-T7 FOR DETOUR MAPS

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PHASE 1

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T4C

N

535

540

545

54

MATCH LINE STA. 535+00 SEE SHT. NO. T4B

MATCH LINE STA. 548+00 SEE SHT. NO. T4D

40'X44'X2.5' CLASS "B" RIP-RAP

OUTLET EL. 866.35

PROP. 81"-48" RCP

WWC-1/UDF-1

20' ASP SR322

OUTLET EL. 875.16

PROP. 25"-42" RCP

WWC-2/UDF-2

STA. 544+81.50

OFF. -42.31

2 MH

CLASS "B" RIP-RAP 12'X14.5'X2.5'

TOP EL. 889.86

IN. EL. 884.20

OUT. EL. 875.29

PROP. 77"-42" RCP

N 75° 57' 22" E

SR322

S.R. 322 546+30.00=
CANDI LANE 30+00
N 470743.8899
E 2476900.8664

S 39° 02' 26" W

CANDI LANE

S 6° 20' 44" E

END ROAD WORK

G20-2
48" X 24"

ROAD WORK AHEAD

W20-1
48" X 48"

35

PHASE 1

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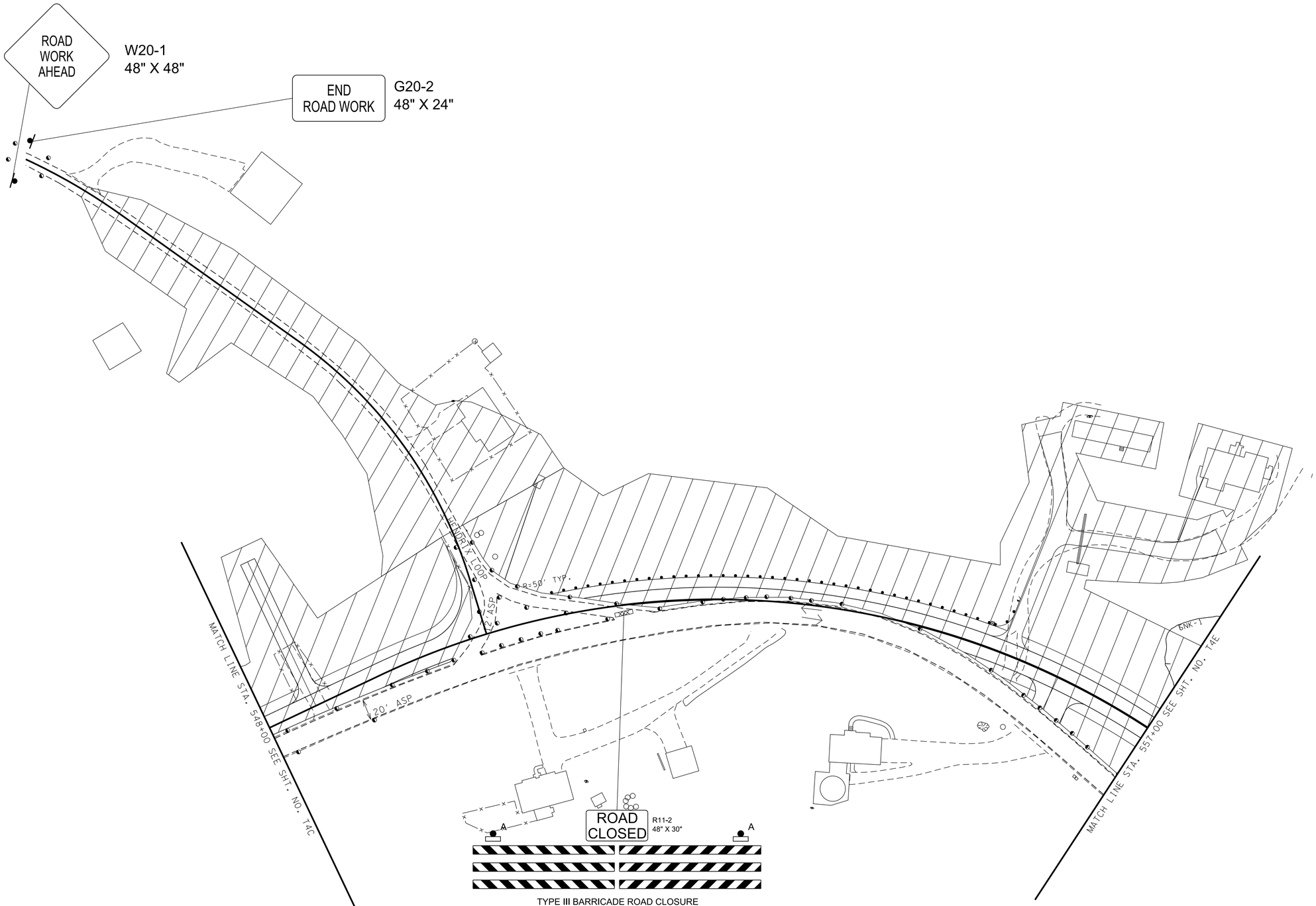

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

NOTE: SEE SHEETS T6-T7 FOR DETOUR MAPS

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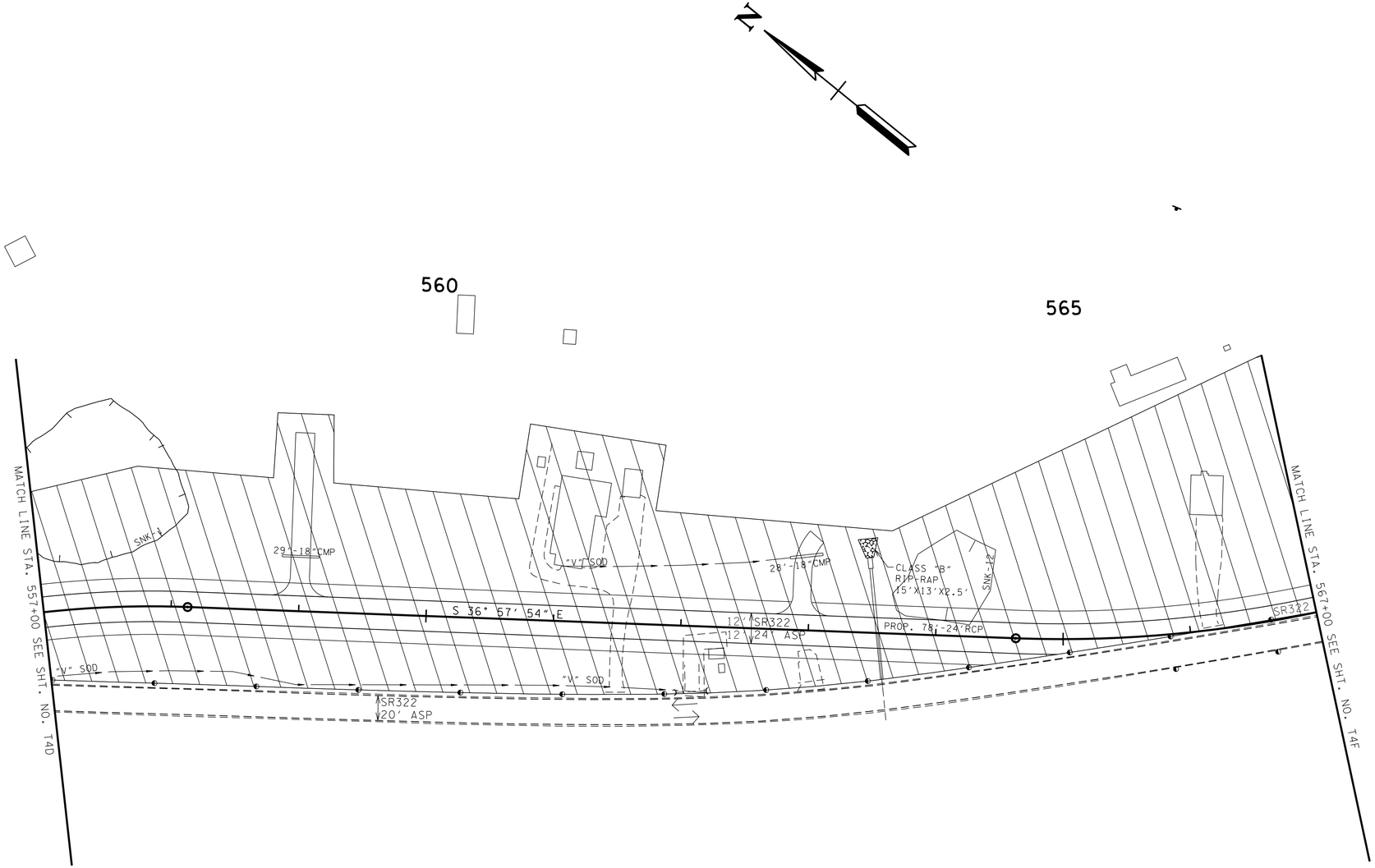

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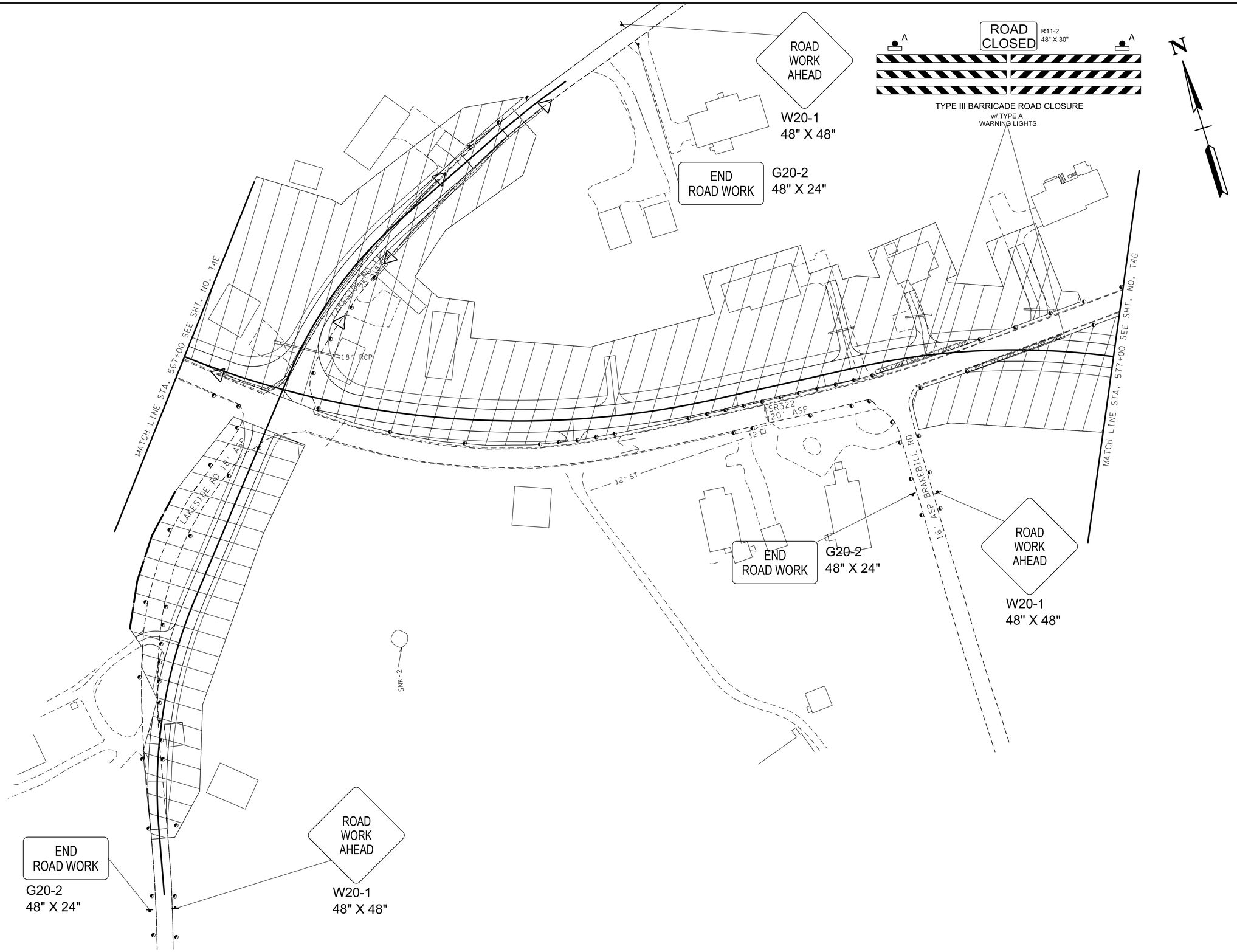

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TRAFFIC CONTROL PLANS

PHASE 1

TYPE	YEAR	PROJECT NO.	SHEET NO.
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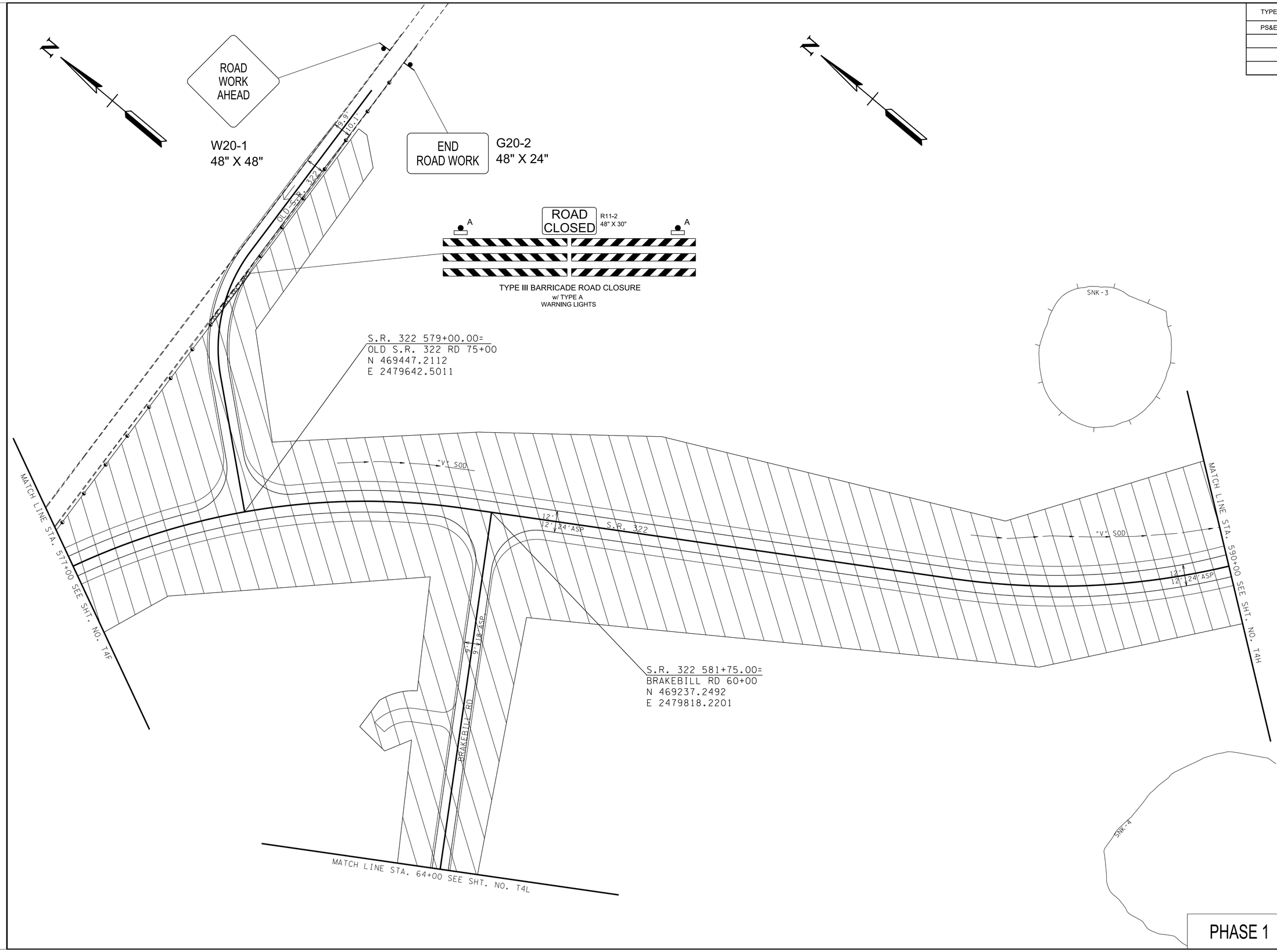

PHASE 1

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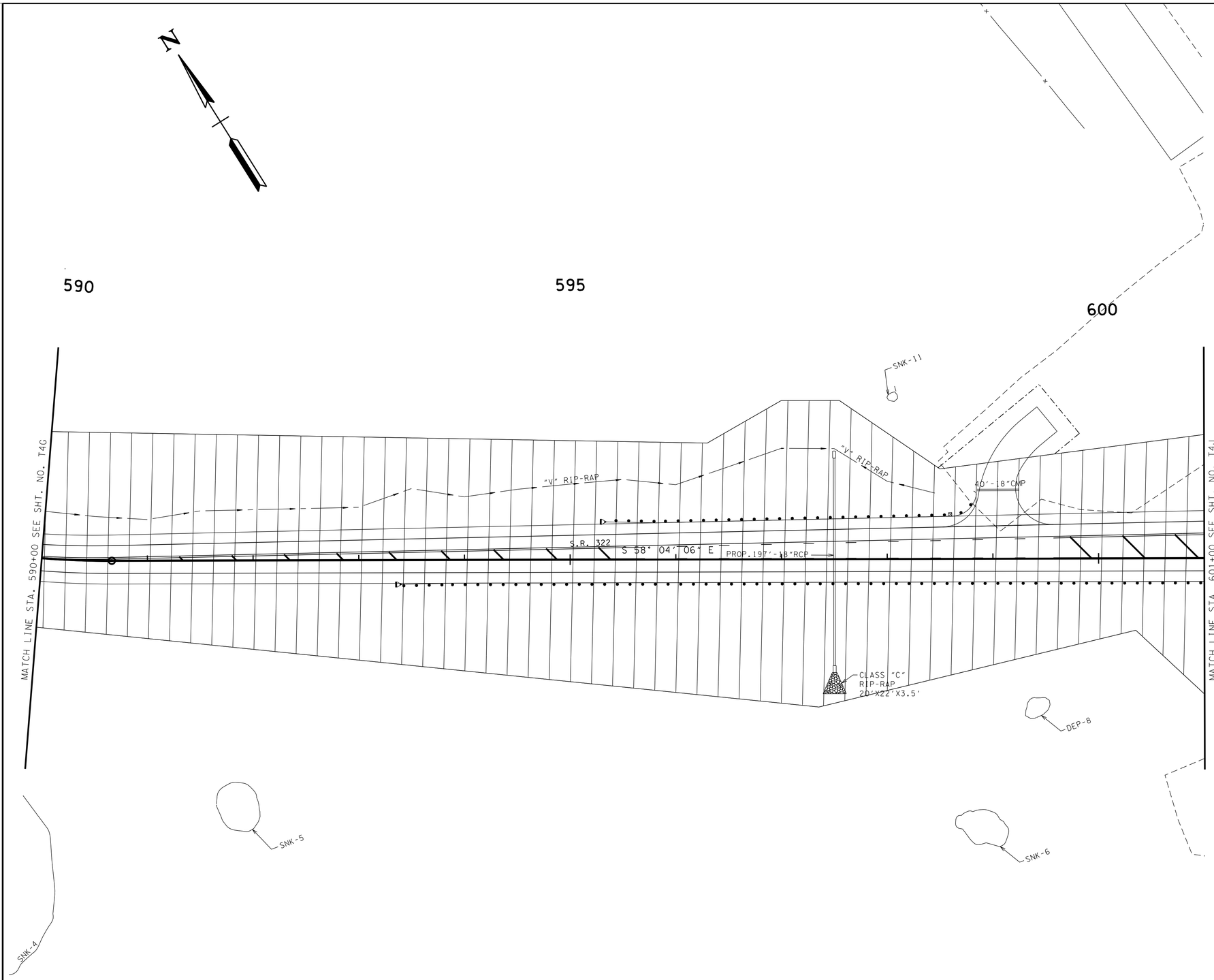

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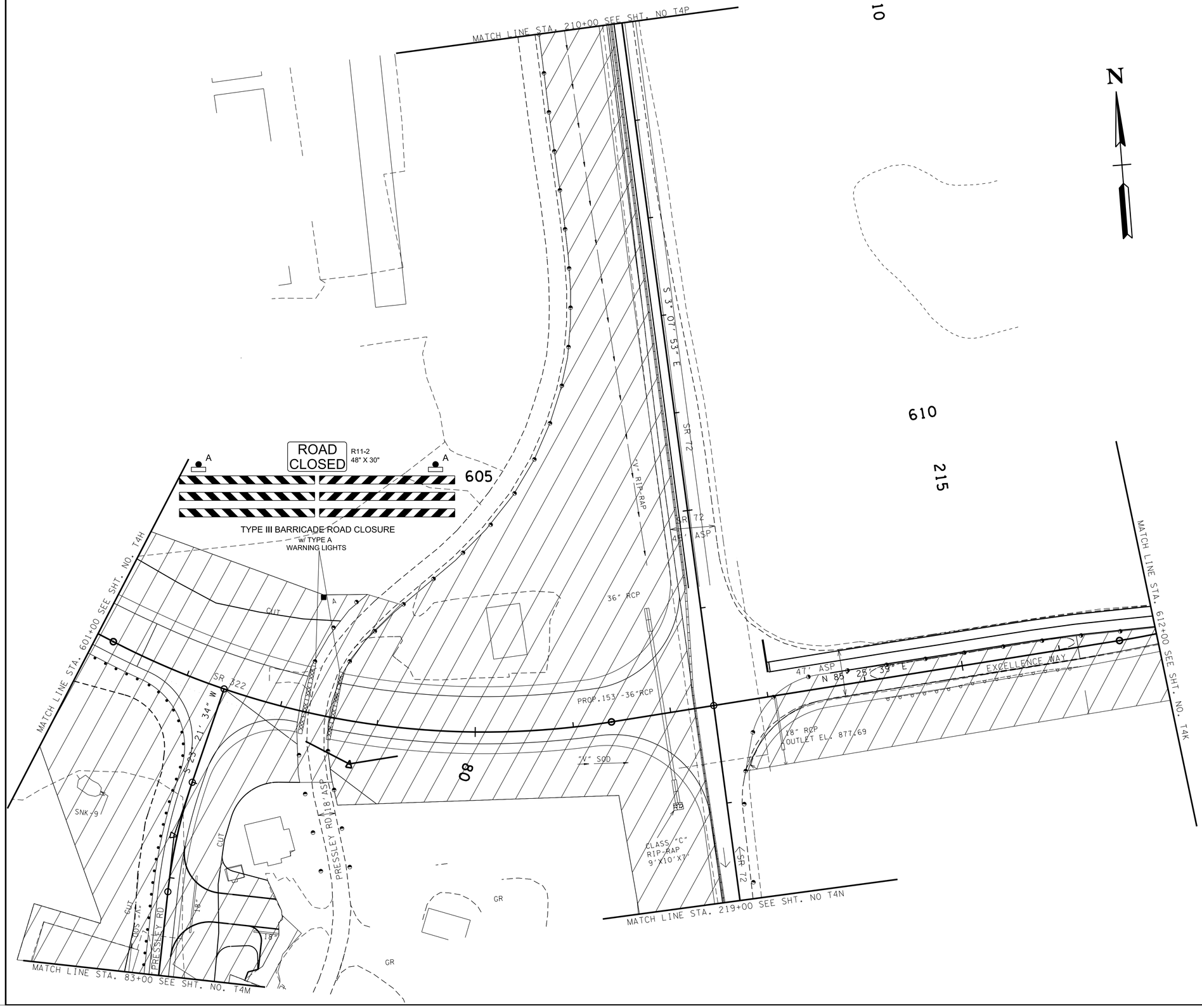

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TRAFFIC CONTROL PLANS

PHASE 1

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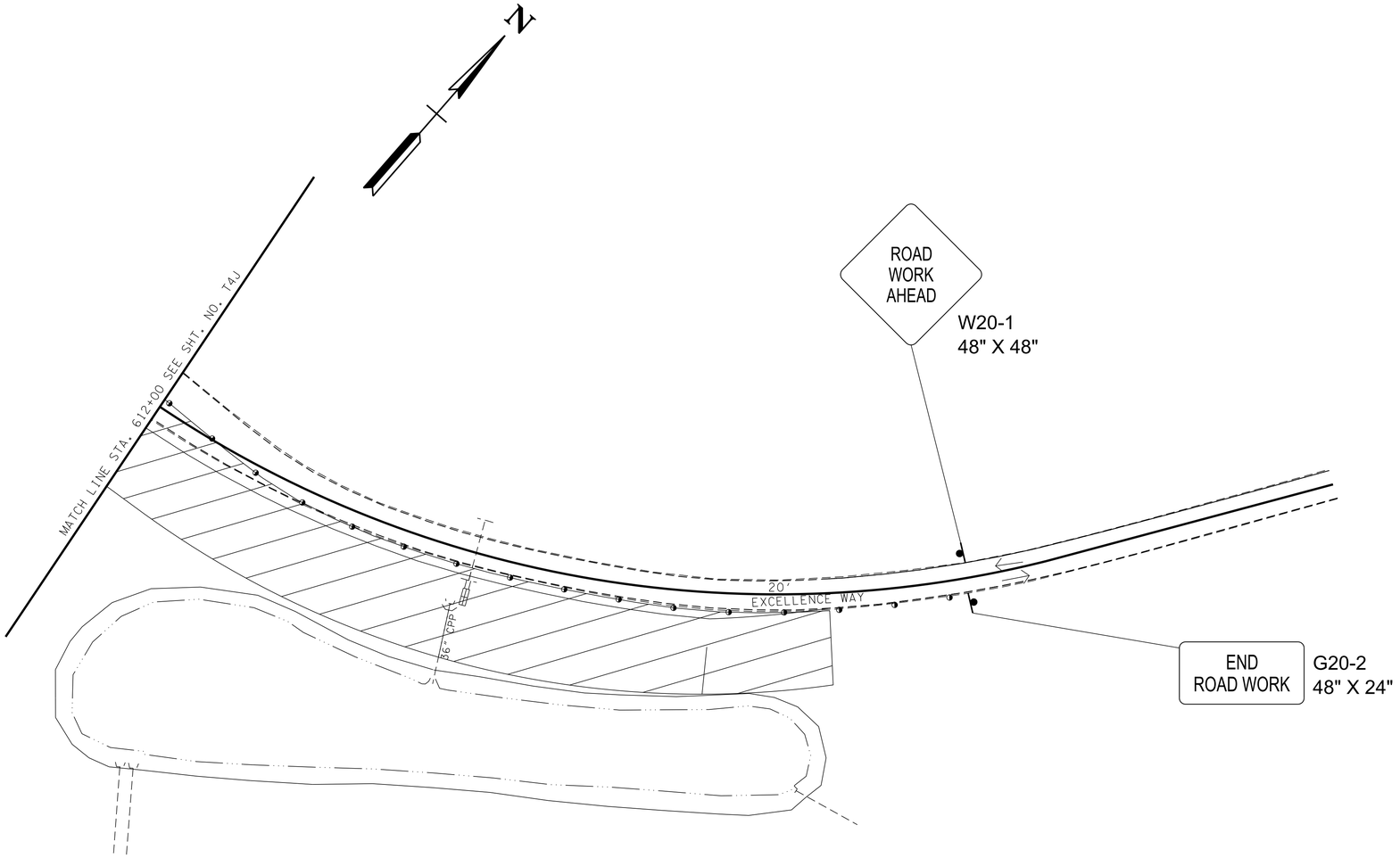

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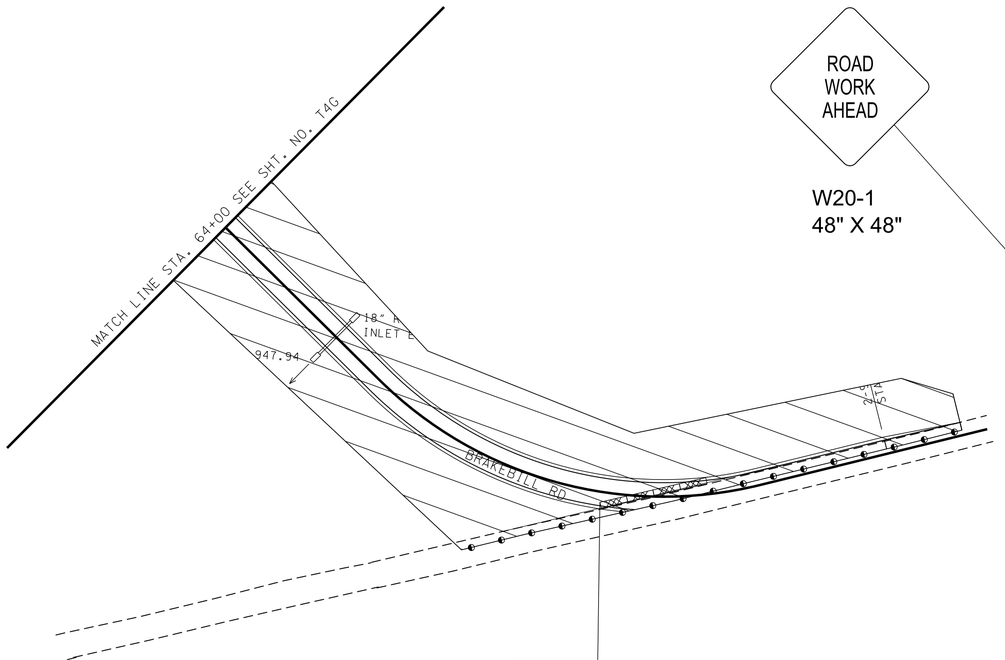
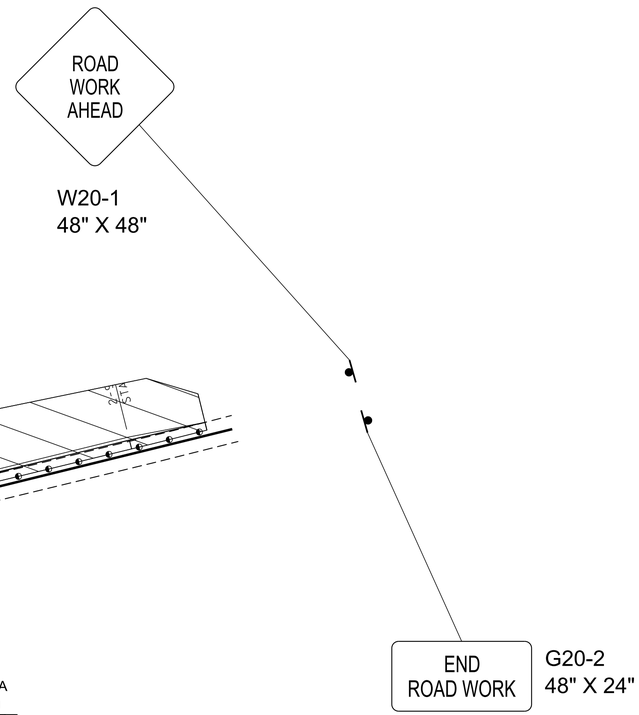


TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS



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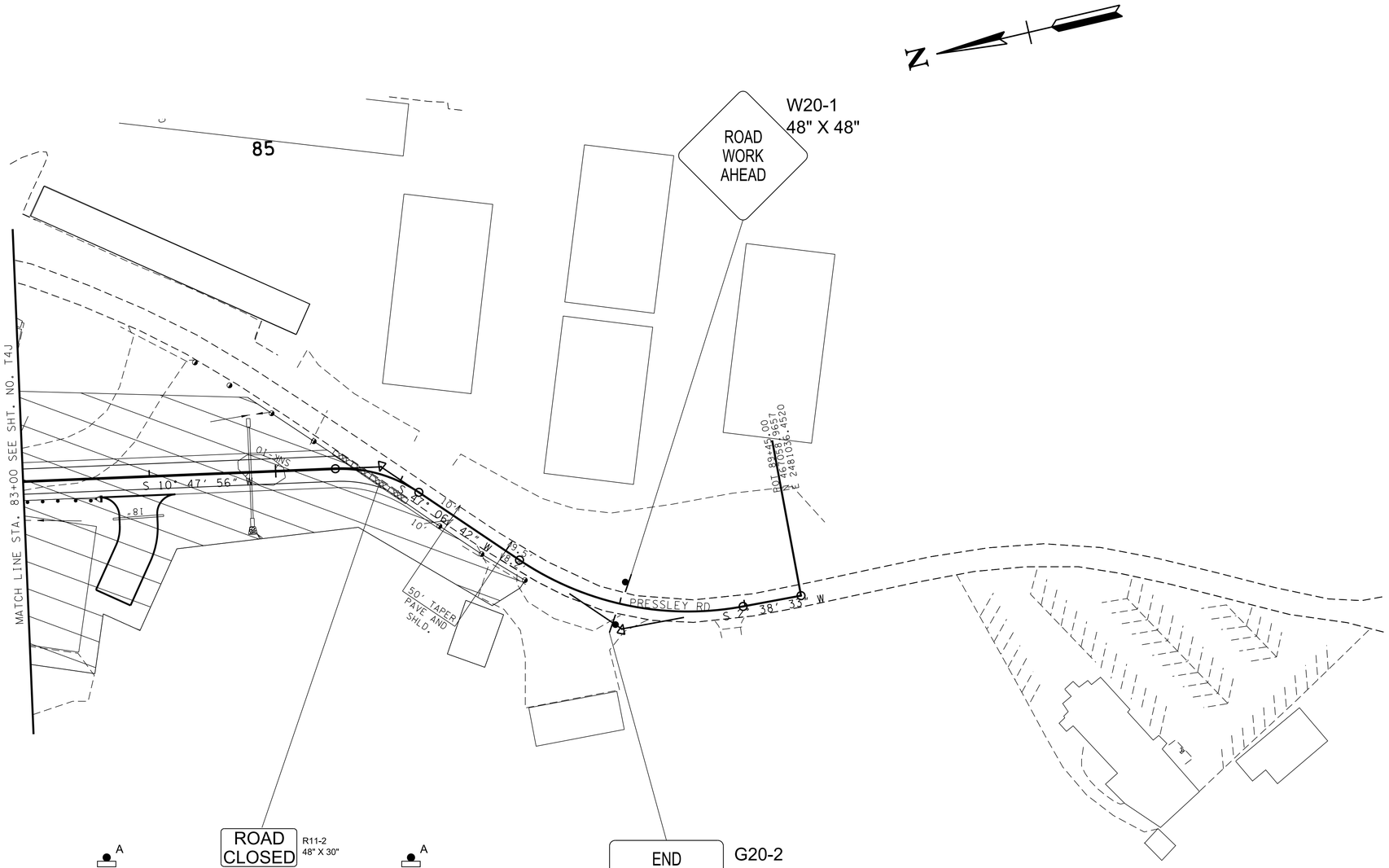

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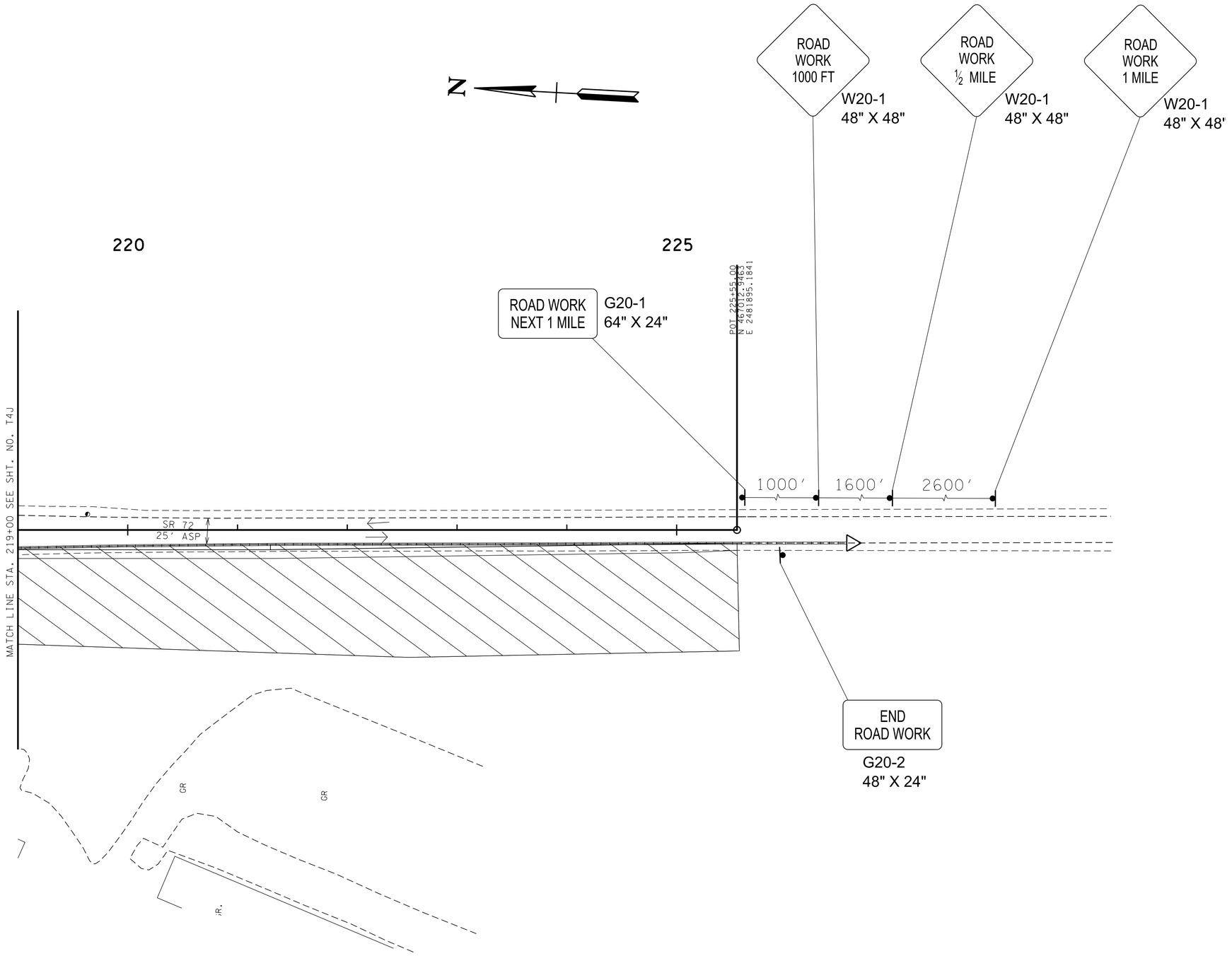

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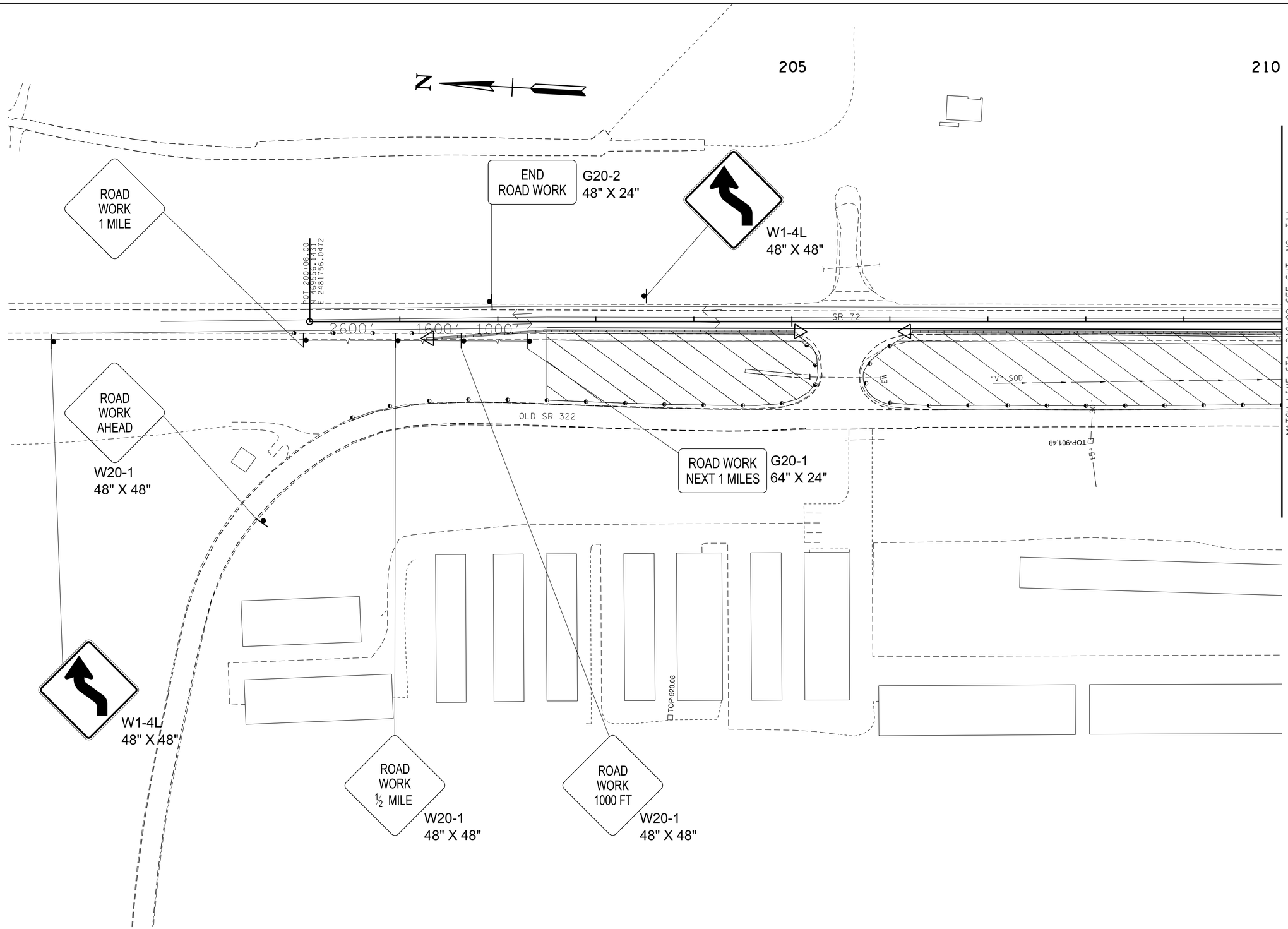

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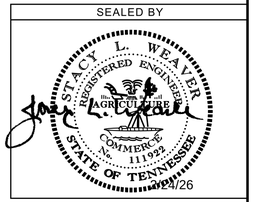

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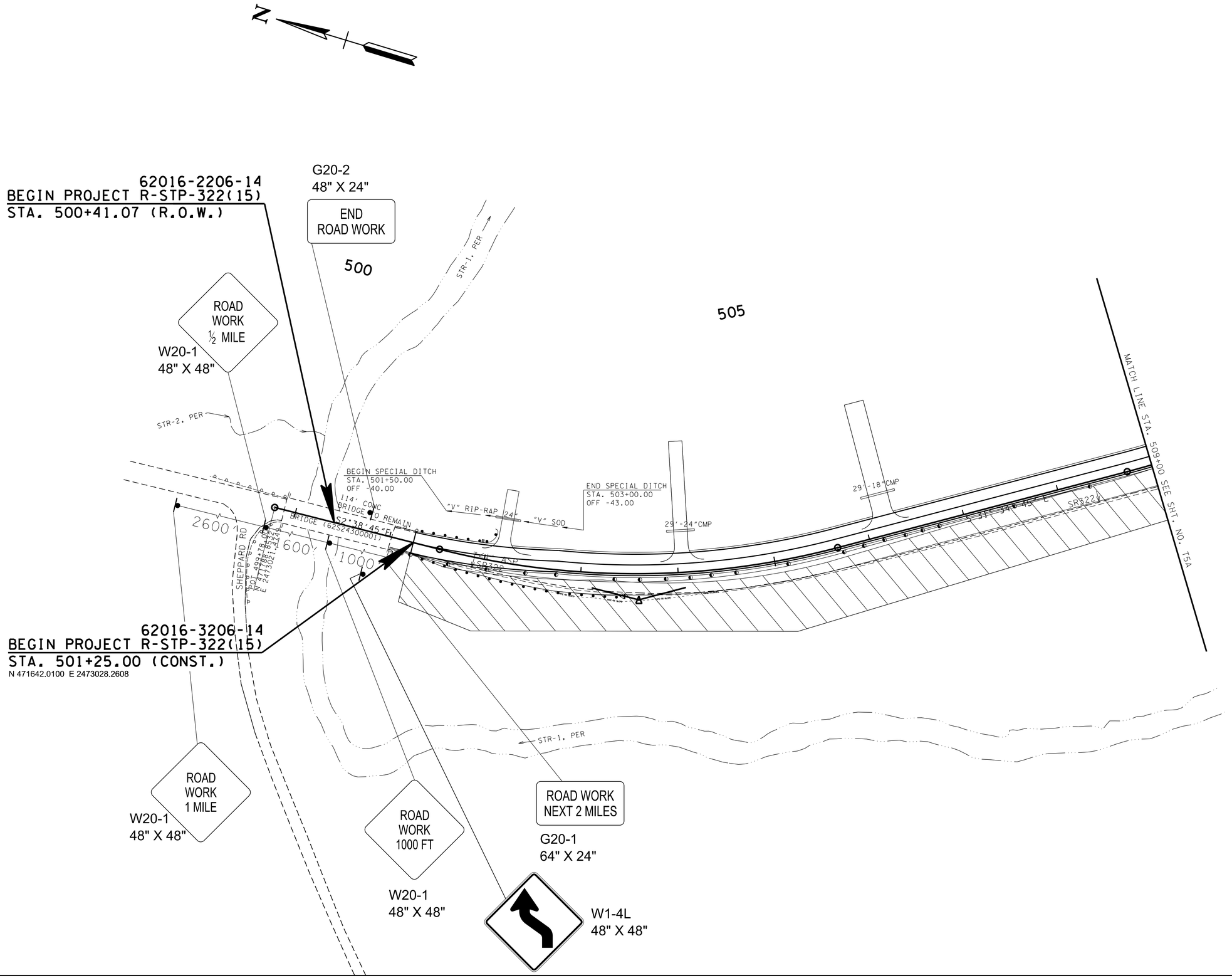
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5



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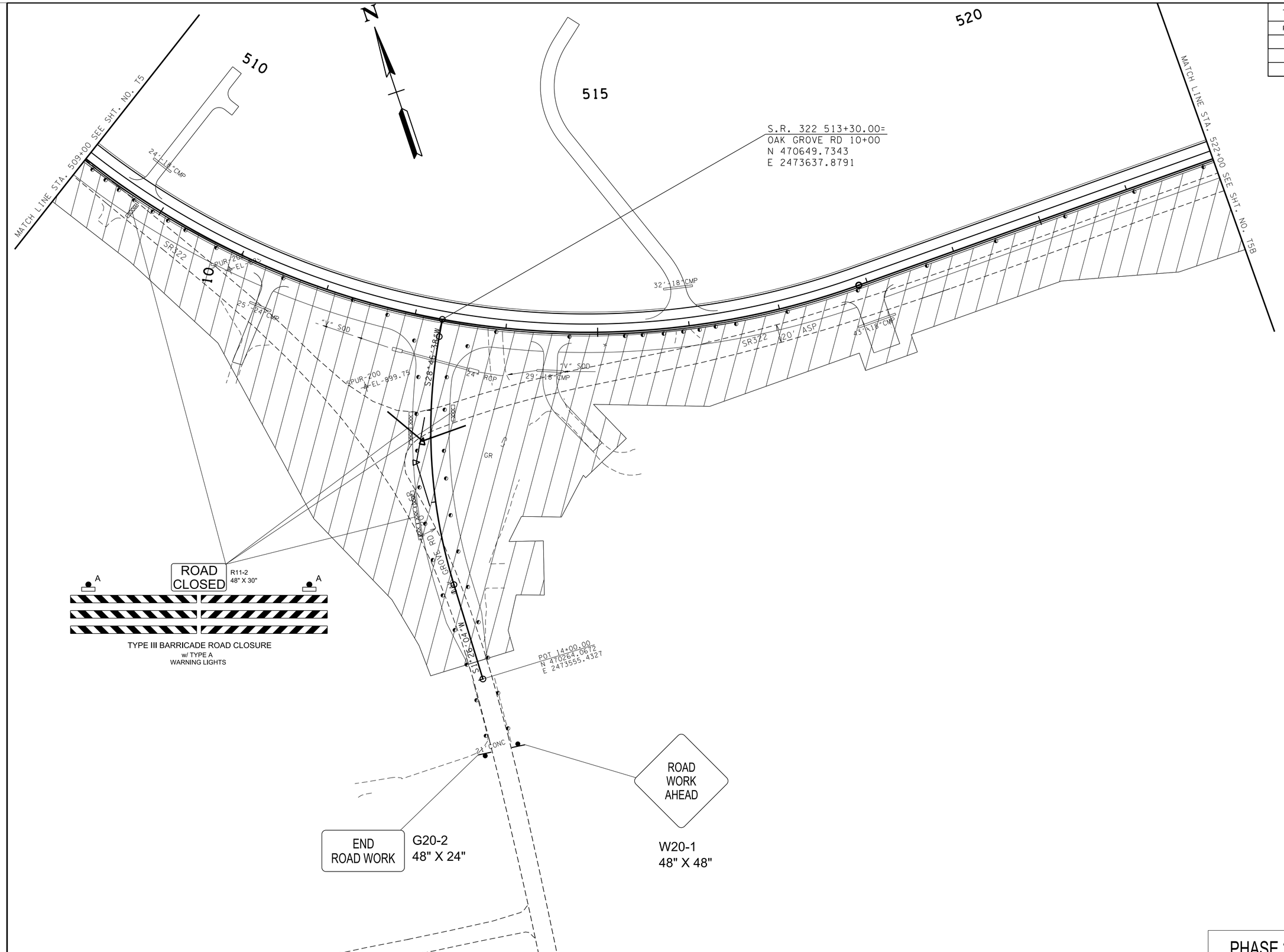

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TYPE	YEAR	PROJECT NO.	SHEET NO.
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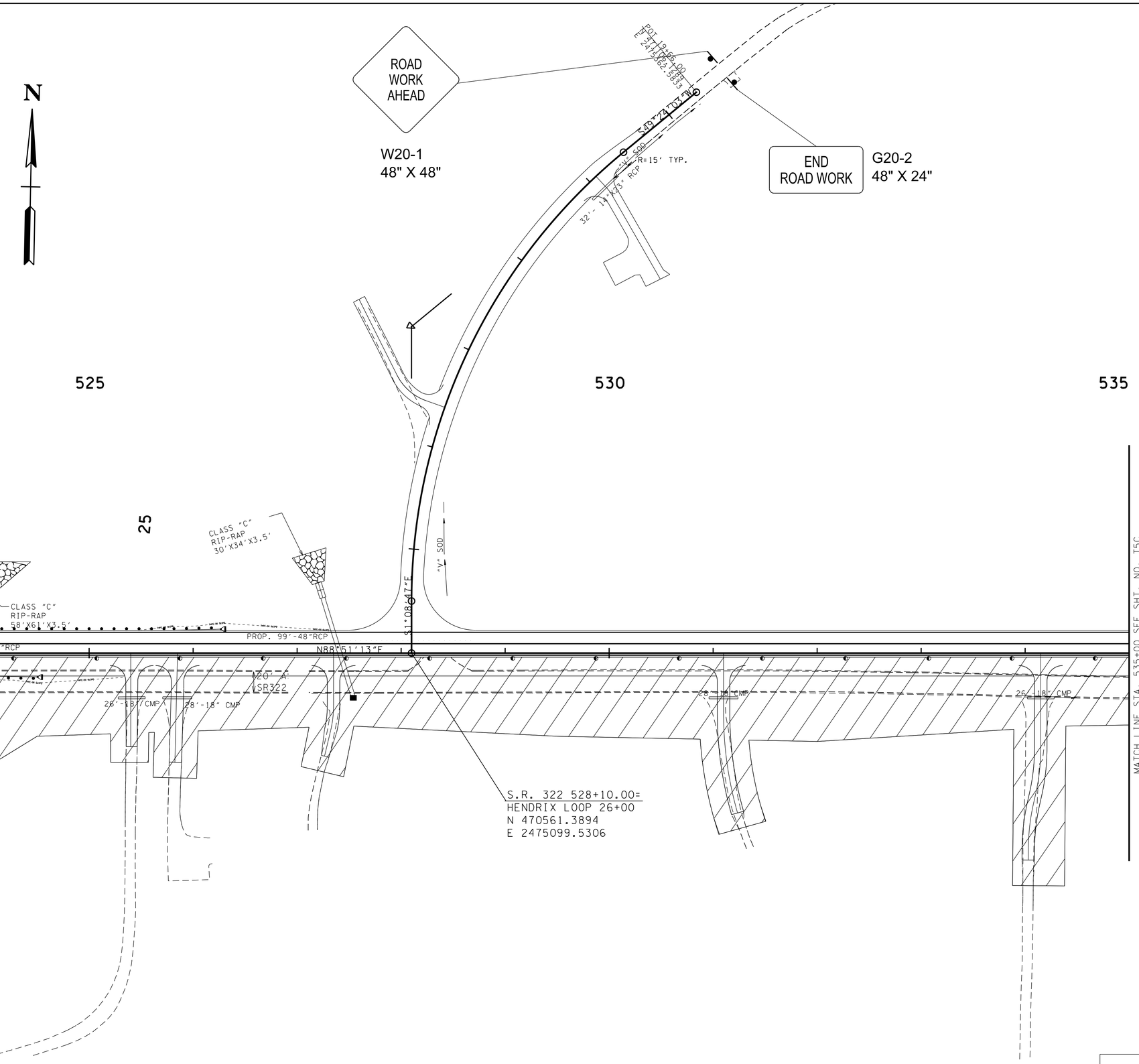

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PHASE 2

2/24/2026 10:24:29 AM
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5C

N

535

540

545

54

MATCH LINE STA. 535+00 SEE SHT. NO. 6B

MATCH LINE STA. 548+00 SEE SHT. NO. 8B

S.R. 322 546+30.00=
CANDI LANE 30+00
N 470743.8899
E 2476900.8664

WWC-1/UDF-1

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

20' ASE
SR322

N 75° 57' 22" E

SR322

S 39° 02' 26" W
CANDI LANE

S 39° 20' 44" E

ROAD CLOSED
R11-2
48" X 30"

A A

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

35

PHASE 2

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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
111922
STATE OF TENNESSEE
2/24/26

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

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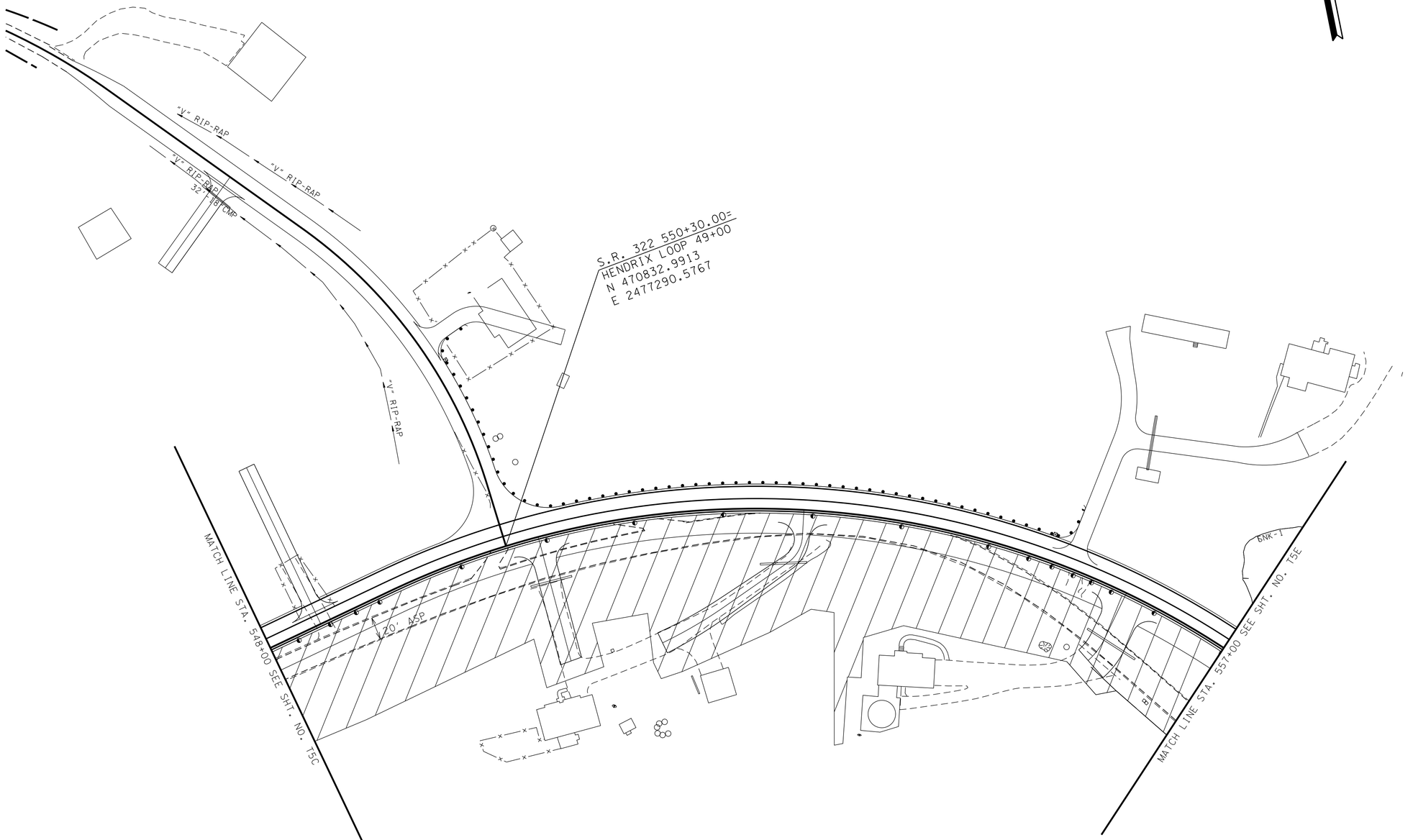
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5D



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

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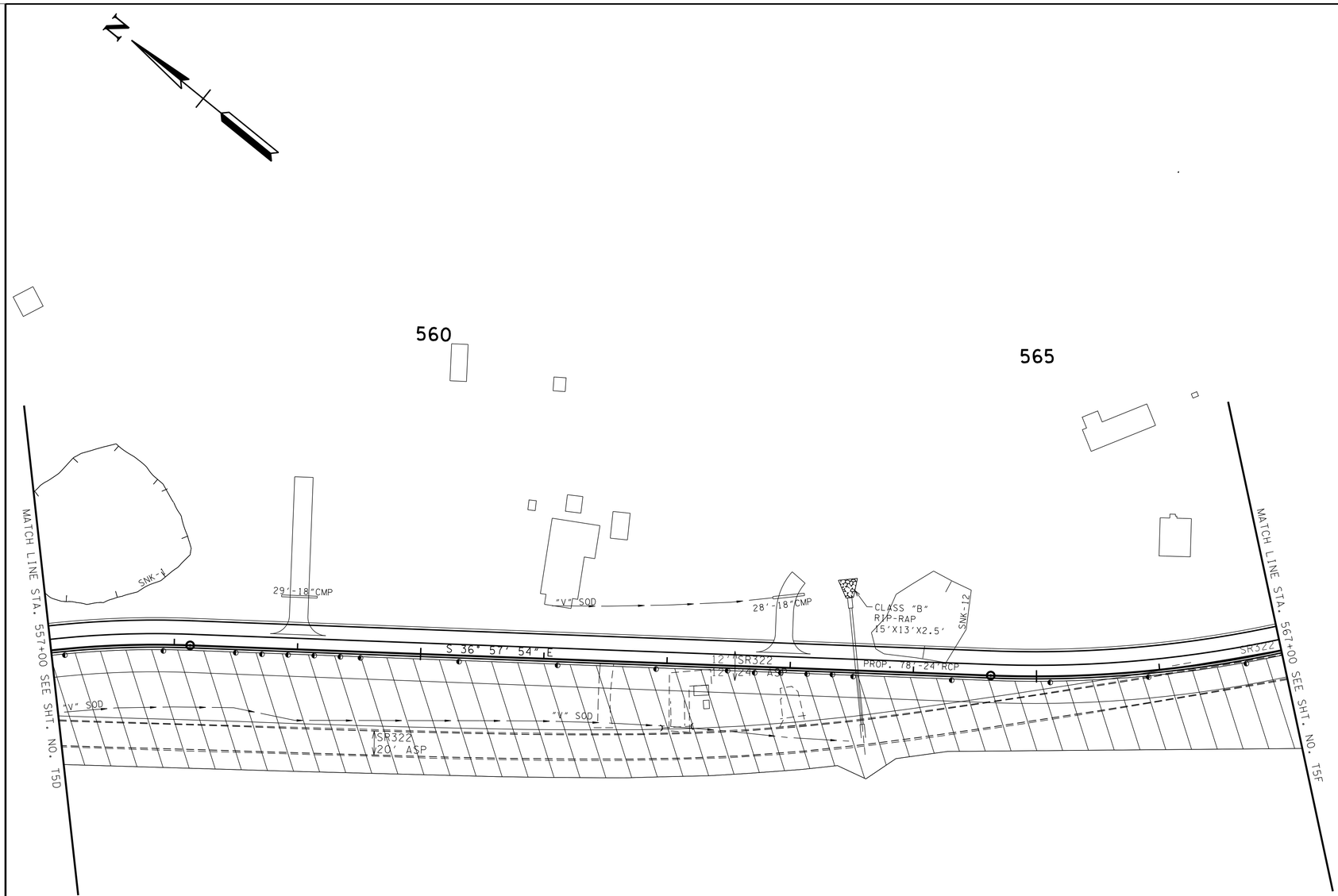
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5E



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TRAFFIC CONTROL PLANS

PHASE 2

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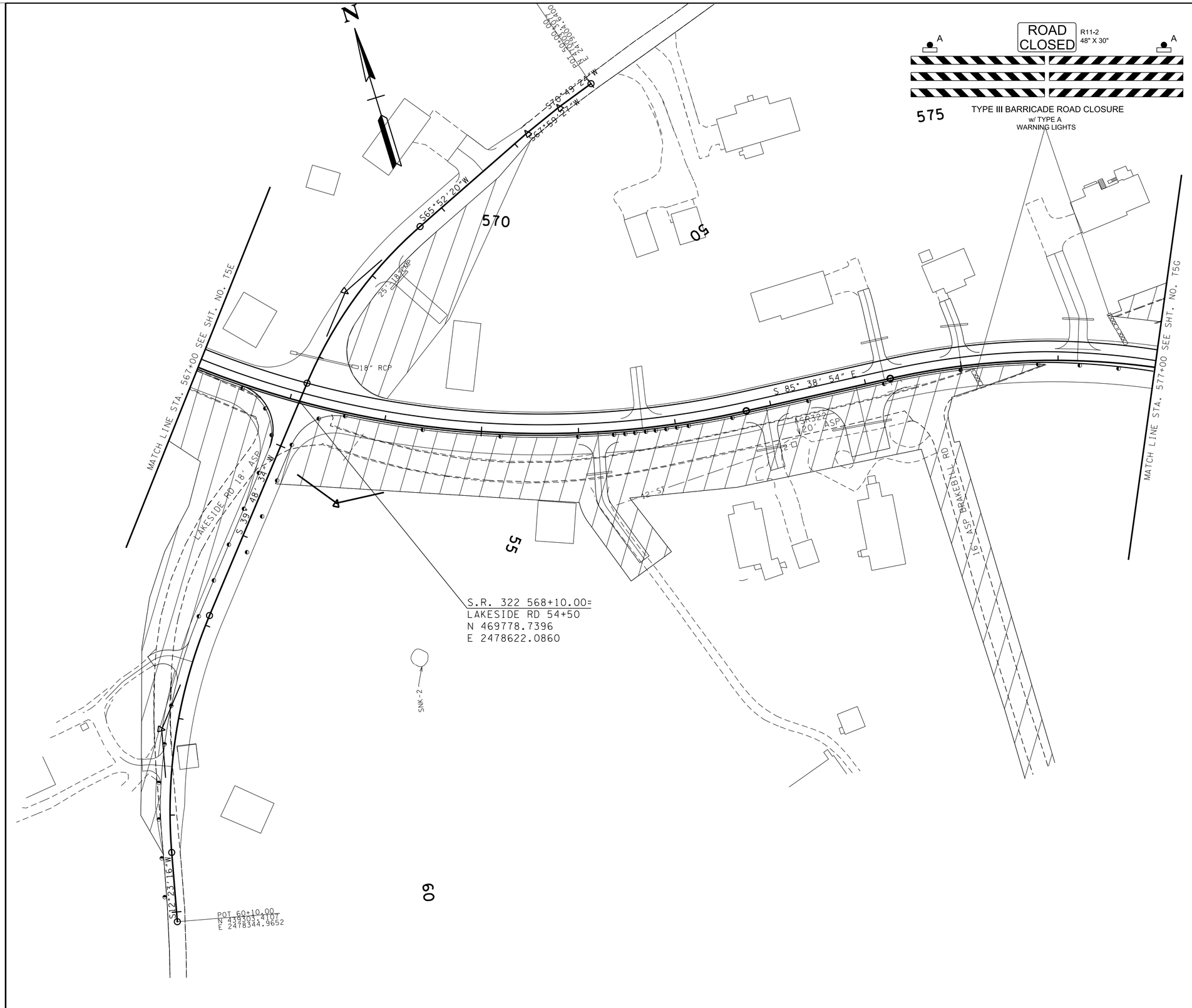
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5F



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

PHASE 2

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5G

N

ROAD WORK AHEAD

W20-1
48" X 48"

END ROAD WORK

G20-2
48" X 24"

ROAD CLOSED

R11-2
48" X 30"

A

A

TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

S.R. 322 579+00.00=
OLD S.R. 322 RD 75+00
N 469447.2112
E 2479642.5011

"V" SOD

"V" SOD

MATCH LINE STA. 577+00 SEE SHT. NO. T5F

MATCH LINE STA. 590+00 SEE SHT. NO. T5H

S.R. 322 581+75.00=
BRAKEBILL RD 60+00
N 469237.2492
E 2479818.2201

MATCH LINE STA. 64+00 SEE SHT. NO. T5L

SNK-3

SNK-4

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AGRICULTURE
COMMERCE
111923
STATE OF TENNESSEE

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PHASE 2

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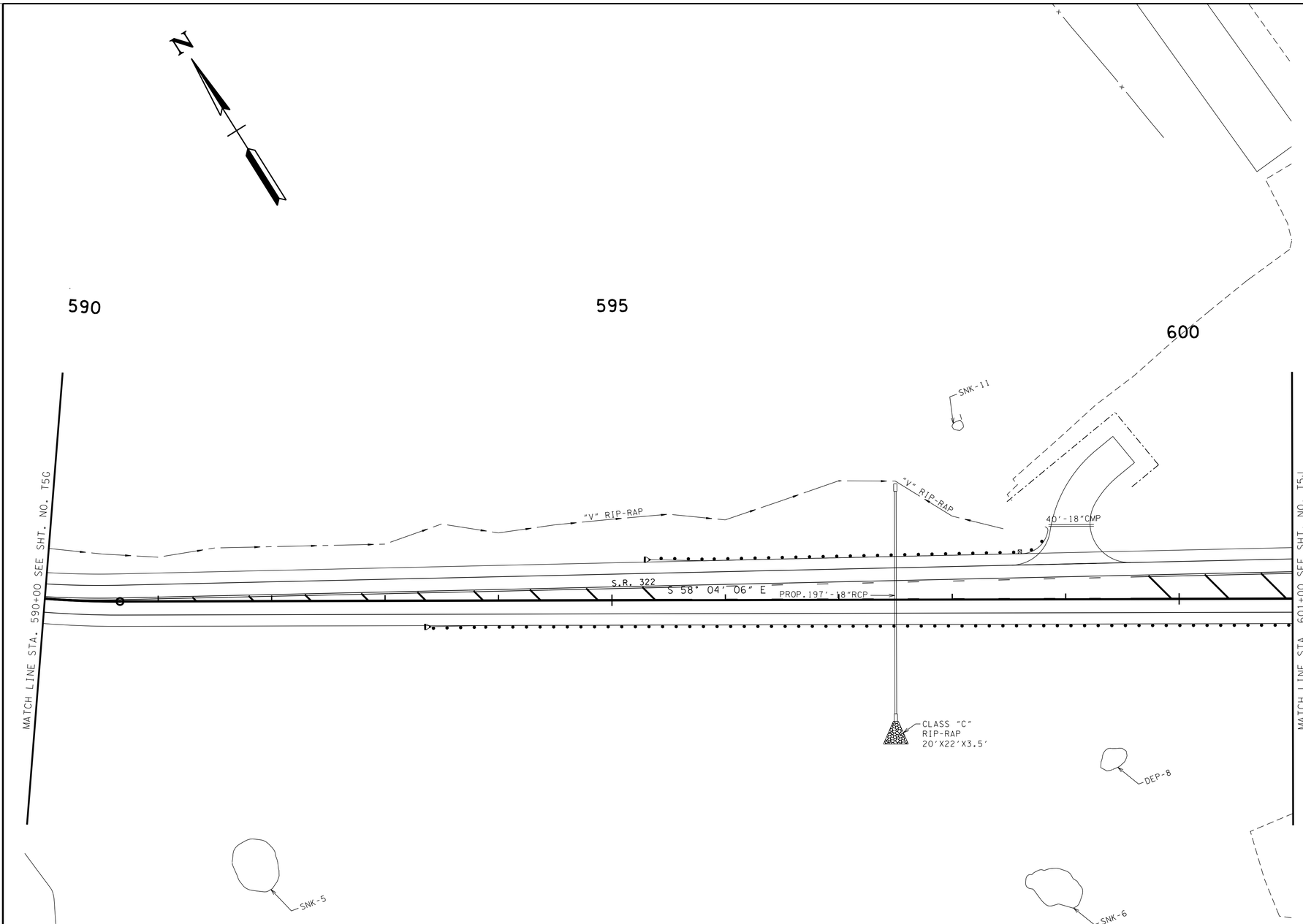
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5H



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TRAFFIC CONTROL PLANS

PHASE 2

2/24/2026 10:24:33 AM
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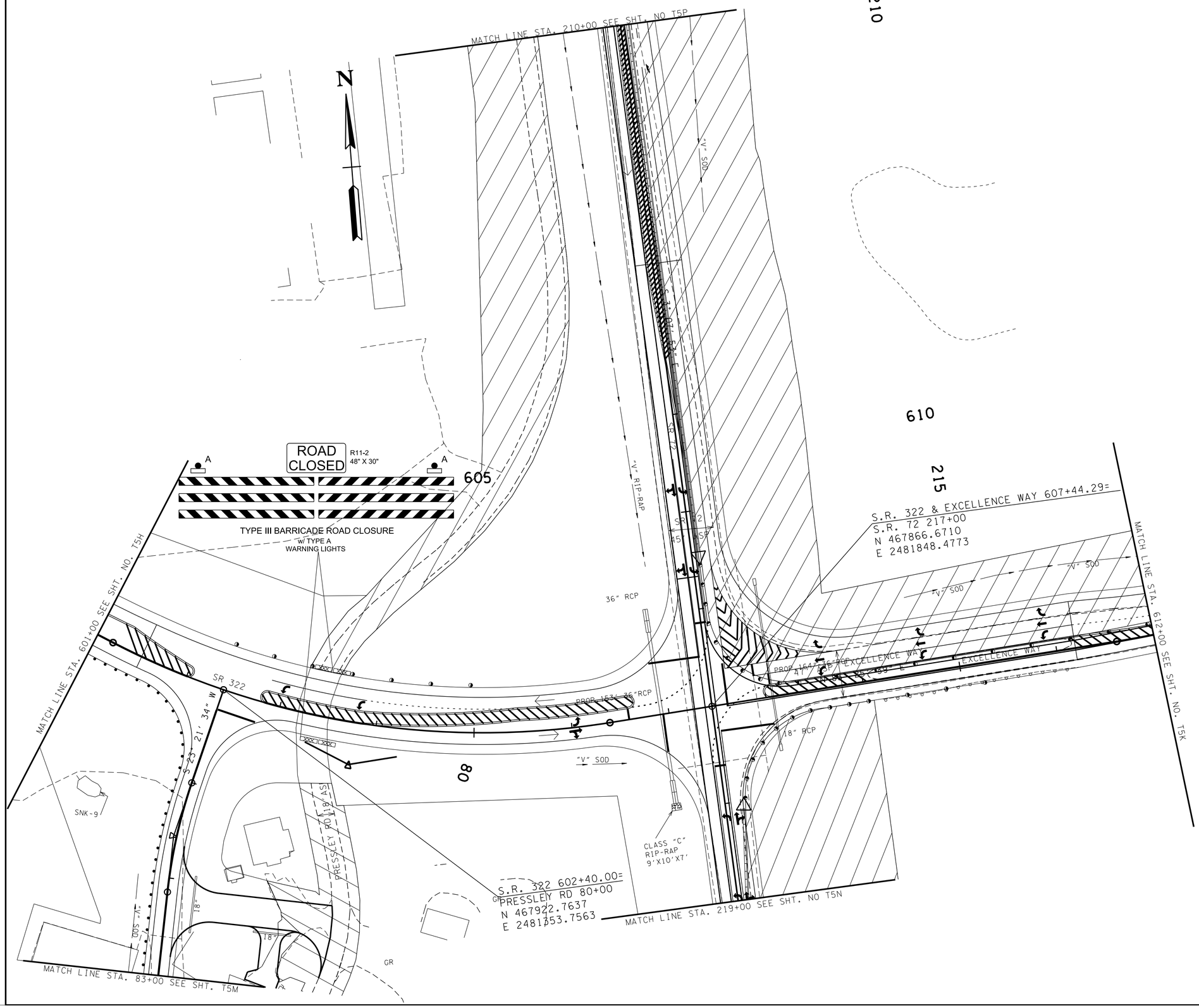
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5J



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COMMERCE
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

PHASE 2

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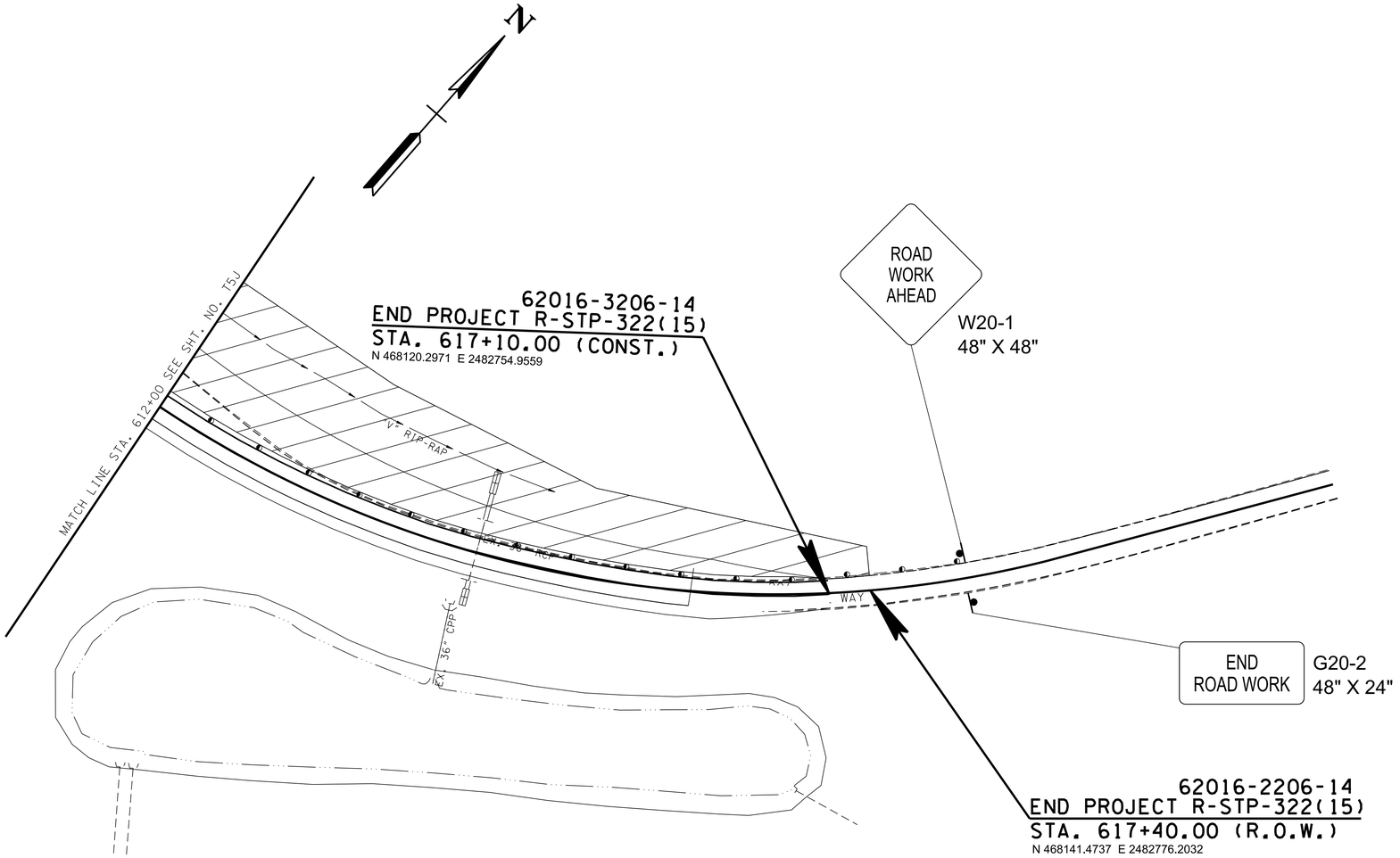
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5K



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COMMISSIONER OF AGRICULTURE
COMMERCE
No. 111929
STATE OF TENNESSEE

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DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

PHASE 2

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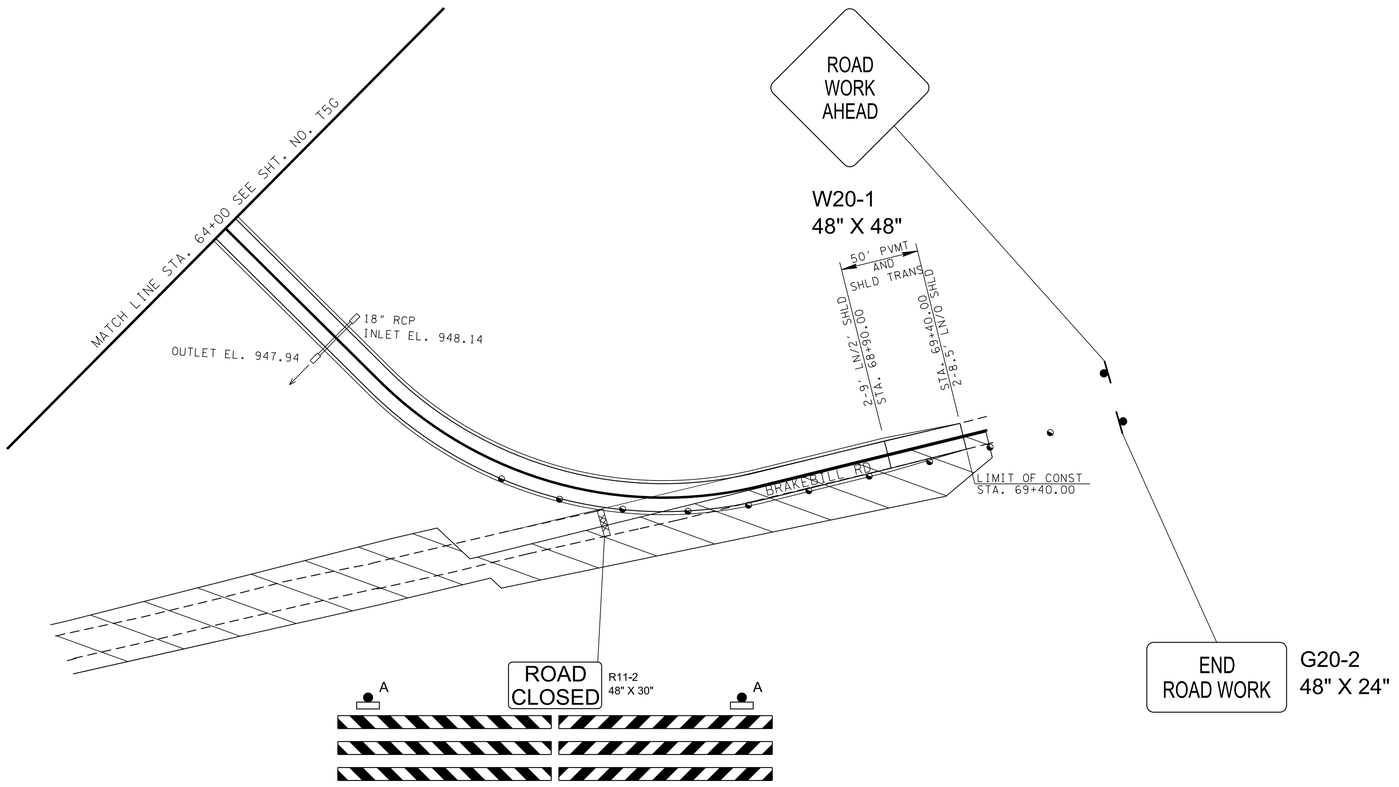
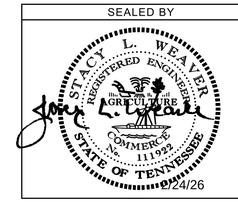
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5L





TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

SEALED BY



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

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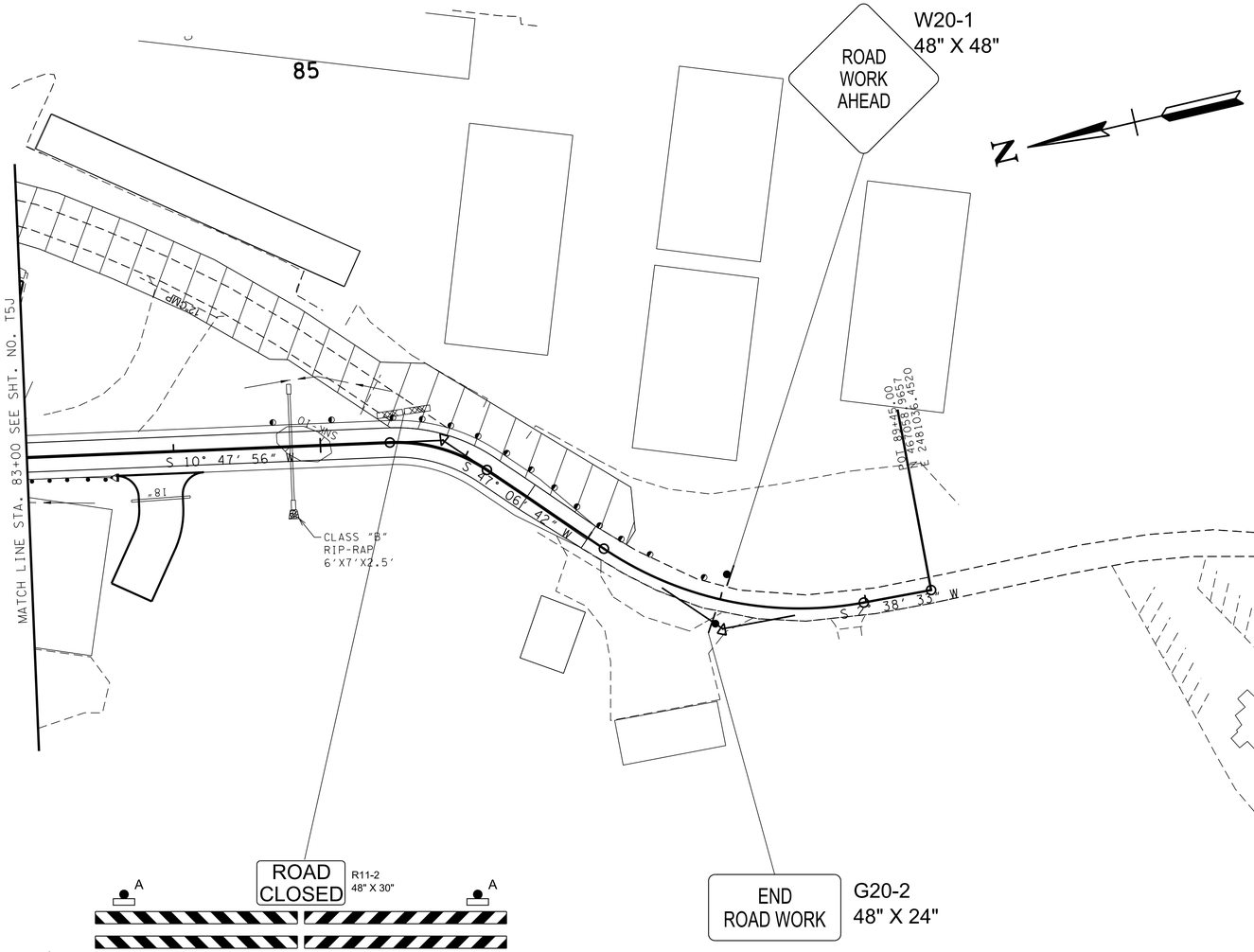
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5M



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PHASE 2

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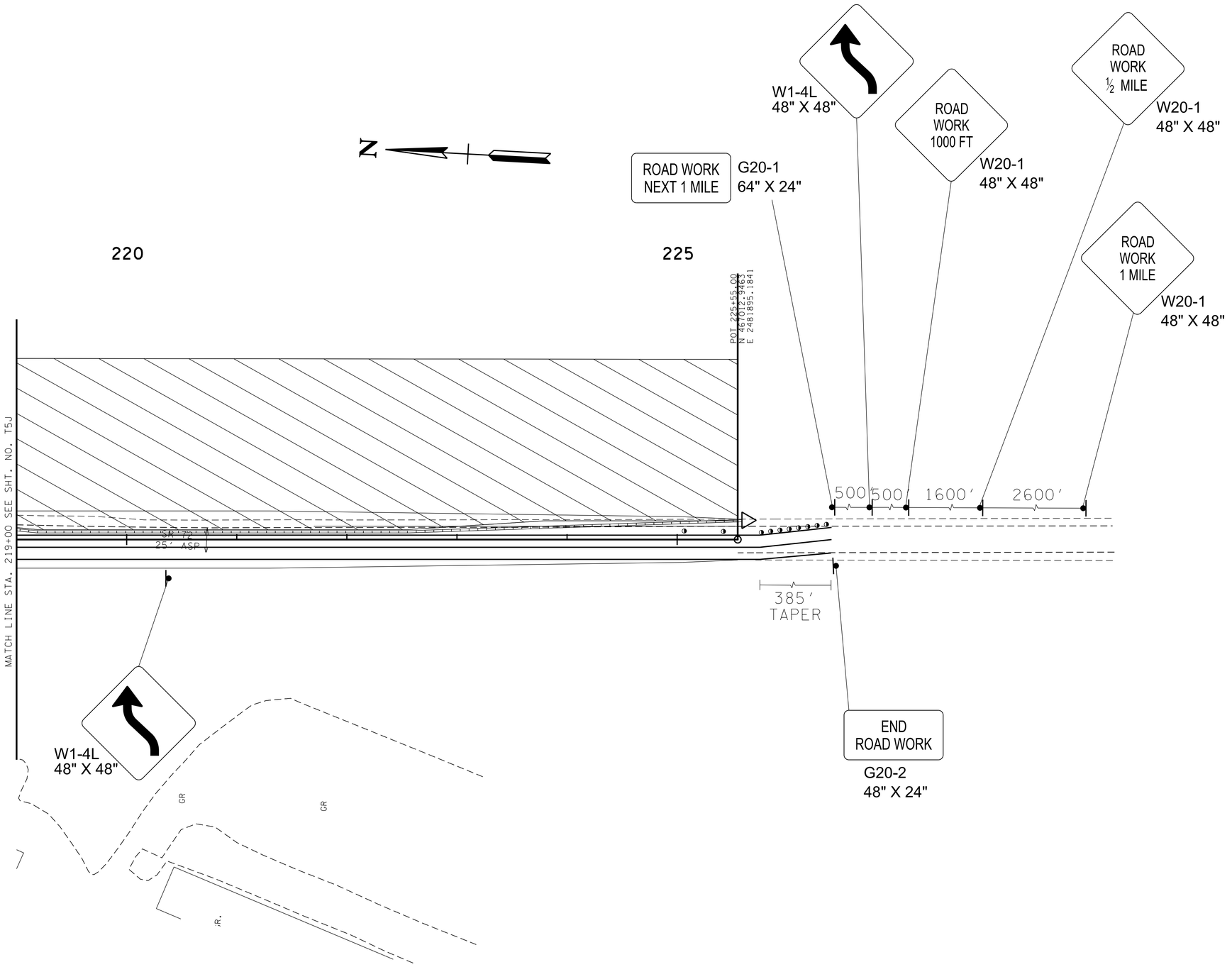
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5N



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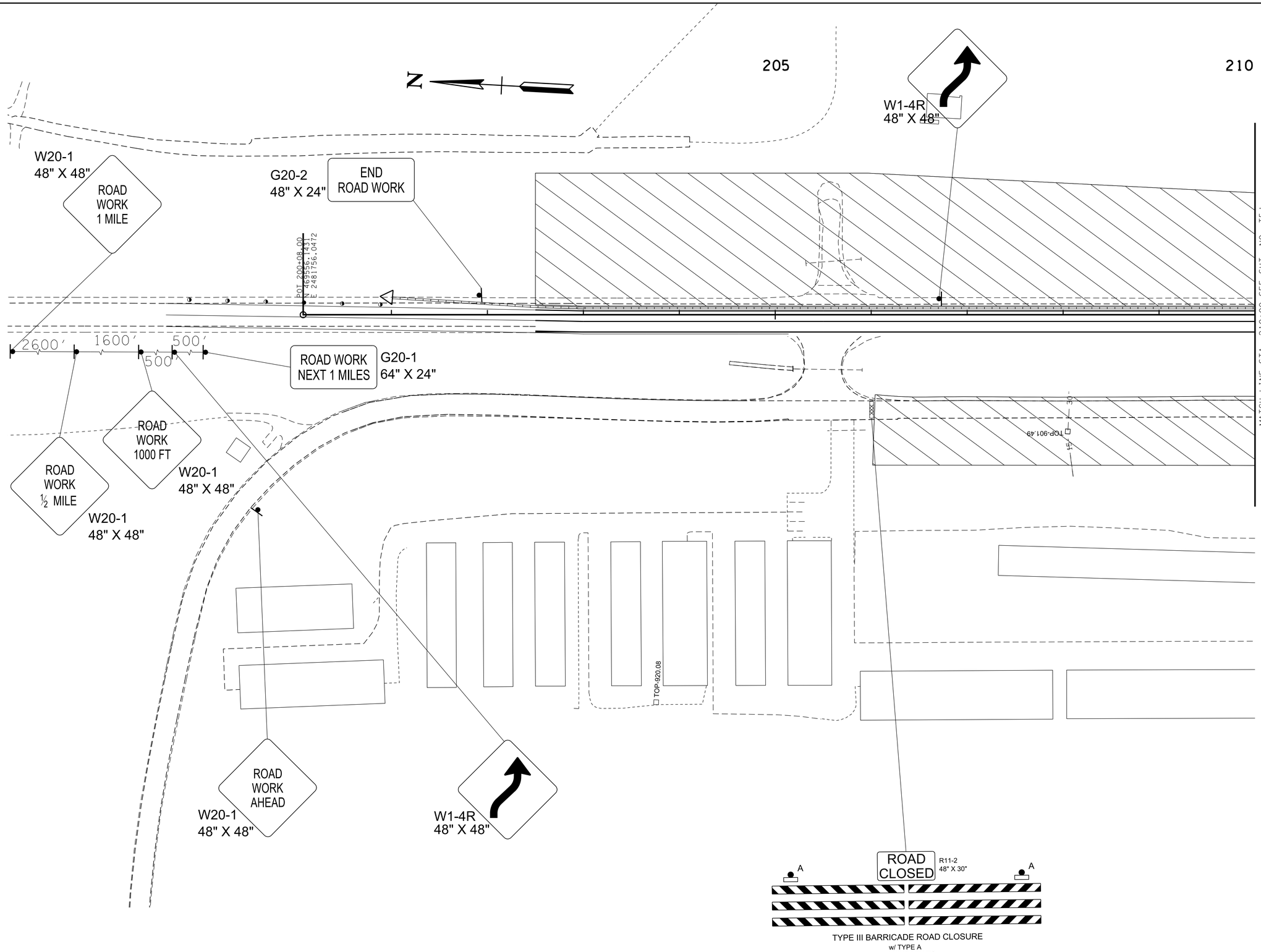
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T5P



TYPE III BARRICADE ROAD CLOSURE
w/ TYPE A
WARNING LIGHTS

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STACY L. WEAVER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111992
STATE OF TENNESSEE

2/24/26

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PHASE 2

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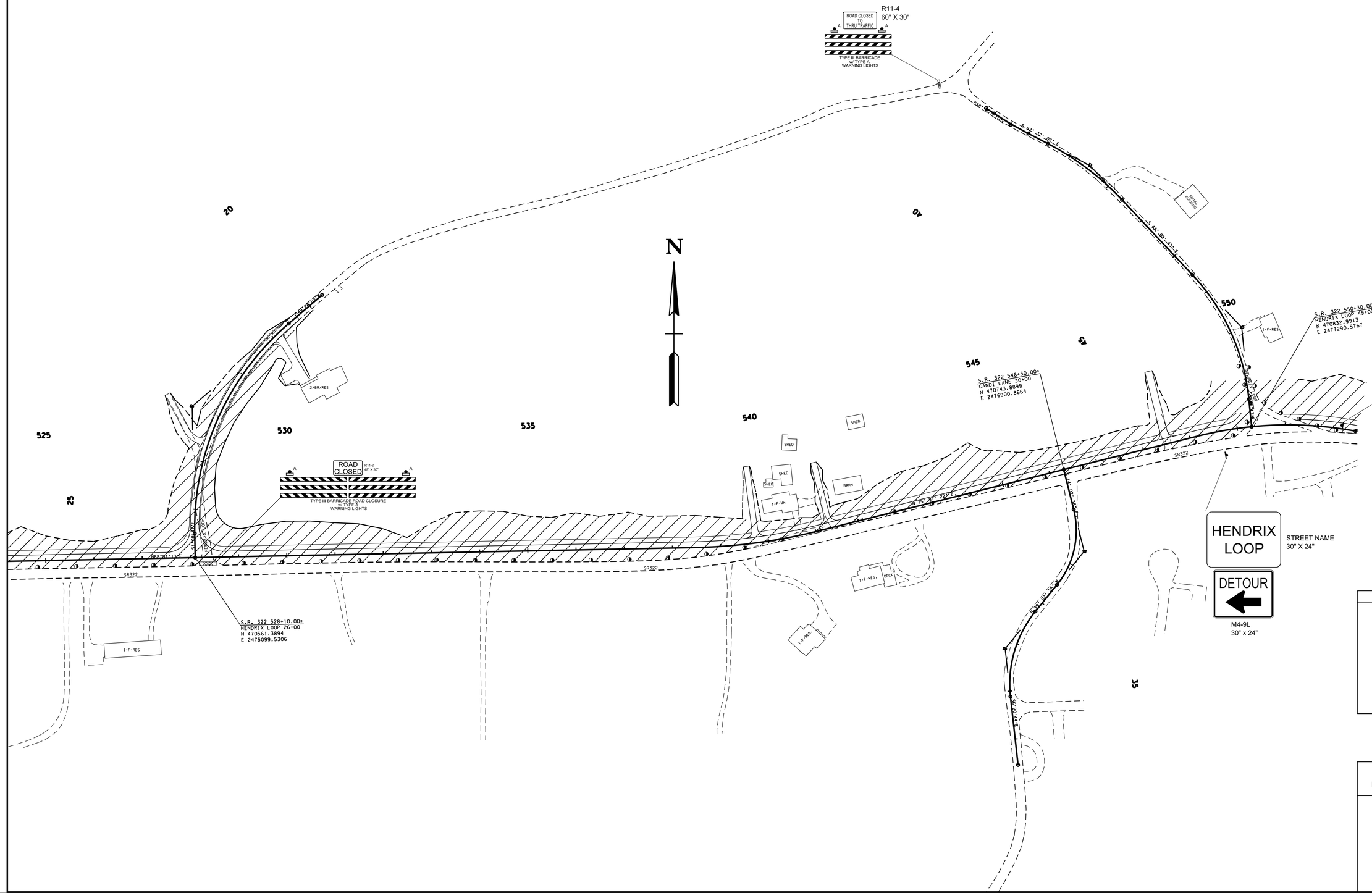
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T6



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REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 111929
STATE OF TENNESSEE

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DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

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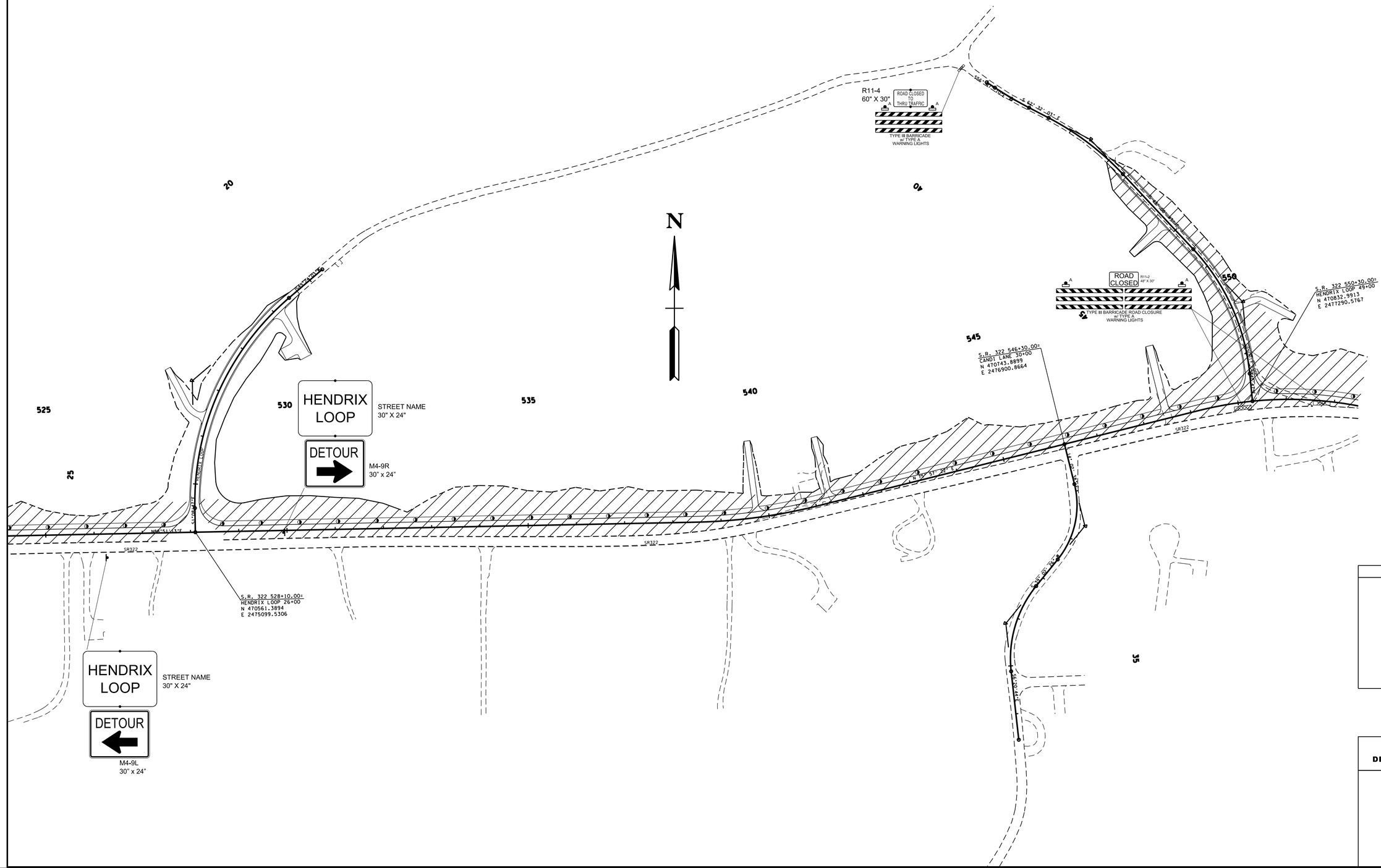
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	T-7



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AGRICULTURE & COMMERCE
No. 111992
STATE OF TENNESSEE

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

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

SHEET NAME	SHEET NO.
SIGNATURE SHEET	GEOTECH-SIGN1
GEOTECHNICAL NOTES AND TABULATED QUANTITIES	G-2
GEOTECHNICAL BORING LAYOUTS	G-3, G-5, G-7, G-9, G-11, G-13, G-15, G-17, G-19, G-21, G-23, G-25, G-26
GEOTECHNICAL BORING PROFILES	G-4, G-6, G-8, G-10, G-12, G-14, G-16, G-18, G-20, G-22, G-24, G-27 – G-36
GEOTECHNICAL TYPICAL SECTIONS	G-37 – G-46

YEAR	PROJECT NO.	SHEET NO.
2026	R-STP-322(15)	GEOTECH-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-1
PS&E	2026	R-STP-322(15)	G-1

GEOTECHNICAL INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET	GEOTECH-SIGN1
GEOTECHNICAL INDEX	G-1
GEOTECHNICAL NOTES AND TABULATED QUANTITIES	G-2
GEOTECHNICAL BORING LAYOUTS	G-3, G-5, G-7, G-9, G-11, G-13, G-15, G-17, G-19, G-21, G-23, G-25 - G-26
GEOTECHNICAL BORING PROFILES	G-4, G-6, G-8, G-10, G-12, G-14, G-16, G-18, G-20, G-22, G-24, G-27 – G-36
GEOTECHNICAL TYPICAL SECTIONS	G-37 – G-46
SINKHOLE STANDARD TREATMENT ILLUSTRATIONS 1,1A,2,2A,3,4,&5	G-47

$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-2
PS&E	2026	R-STP-322(15)	G-2

DEFINITION OF EARTHWORK TERMS

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

A. SOIL MATERIAL

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

B. SOLID ROCK MATERIAL

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

C. SOFT ROCK OR DEGRADABLE ROCK

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

D. TRANSITIONAL MATERIALS

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

ESTIMATED GEOTECH QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)(5)	203-05	UNDERCUTTING	C.Y.	4,994
(2)(3)(5)	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	5,729
(4)(5)	203-15.03	COMPACTED CLAY	C.Y.	4,994
(3)(5)	204-06-02	FLOWABLE FILL (EXCAVATABLE)	C.Y.	72
(2)(5)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	1,861
(3)(5)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	70

FOOTNOTES

(1) THIS ITEM IS TO BE USED BETWEEN STATE ROUTE 322 STATIONS 600+75 TO 602+25 AND PRESLEY ROAD STATIONS 80+00 TO 81+75, REMOVING FILL MATERIAL TO ORIGINAL GROUND SURFACE OR AS OTHERWISE DIRECTED BY THE ENGINEER FOR THE STABILIZATION OF THE SUBGRADE. A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION SHALL BE PRESENT AFTER UNDERCUTTING TO ENSURE SUITABLE MATERIAL IS EXPOSED BEFORE PLACEMENT OF CLAY.

(2) THIS ITEM TO BE USED BETWEEN STATE ROUTE 322 STATIONS 556+25 TO 558+75 AND 562+90 TO 565+00 OR AS OTHERWISE DIRECTED BY THE ENGINEER FOR THE STABILIZATION OF THE SUBGRADE.

(3) THIS ITEM IS TO USED WHERE SINKHOLES DEVELOP WITHIN ROW DURING CONSTRUCTION OR AS OTHERWISE DIRECTED BY THE ENGINEER FOR STABILIZATION.

(4) THIS ITEM IS TO BE USED BETWEEN STATE ROUTE 322 STATIONS 600+75 TO 602+25, PRESLEY ROAD STATIONS 80+00 TO 81+75 AND 84+50 TO 85+25 TO REPLACE FILL MATERIAL OR AS OTHERWISE DIRECTED BY THE ENGINEER FOR THE STABILIZATION OF THE SUBGRADE.

(5) FOR BIDDING PURPOSES, THESE QUANTITIES ARE INCLUDED IN THE SHEET 2 SERIES.

NOTES

GRADED SOLID ROCK PADS WILL BE REQUIRED:

STATE ROUTE 322

* LEFT SIDE
  556+25 TO 558+75 UP TO ELEVATION 900' WITH ONE FOOT 57 STONE OVERLAY
  562+90 TO 565+00 UP TO ELEVATION 900' WITH ONE FOOT 57 STONE OVERLAY

ROAD & DRAINAGE EXCAVATION WILL BE REQUIRED:

STATE ROUTE 322

* 600+75 TO 602+25, EXCAVATIONS SHALL REMAIN OPEN FOR MINIMAL TIME TO PREVENT WATER INFLITRATION OF SNK-9

PRESLEY ROAD

* 80+00 TO 81+75, EXCAVATIONS SHALL REMAIN OPEN FOR MINIMAL TIME TO PREVENT WATER INFLITRATION OF SNK-9

COMPACTED CLAY FILL WILL BE REQUIRED:

STATE ROUTE 322

* 600+75 TO 602+25

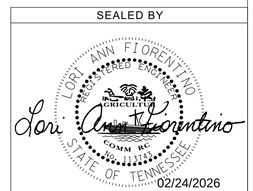
PRESLEY ROAD

* 80+00 TO 81+75
  84+50 TO 85+25 UP TO ELEVATION 890' UNLESS SNK-10 ACTIVATES DURING CONSTRUCTION.

GENERAL NOTES:

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AND NOT ALLOW THE PONDING OF WATER WITHIN THE CONSTRUCTION LIMITS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

SEALED BY

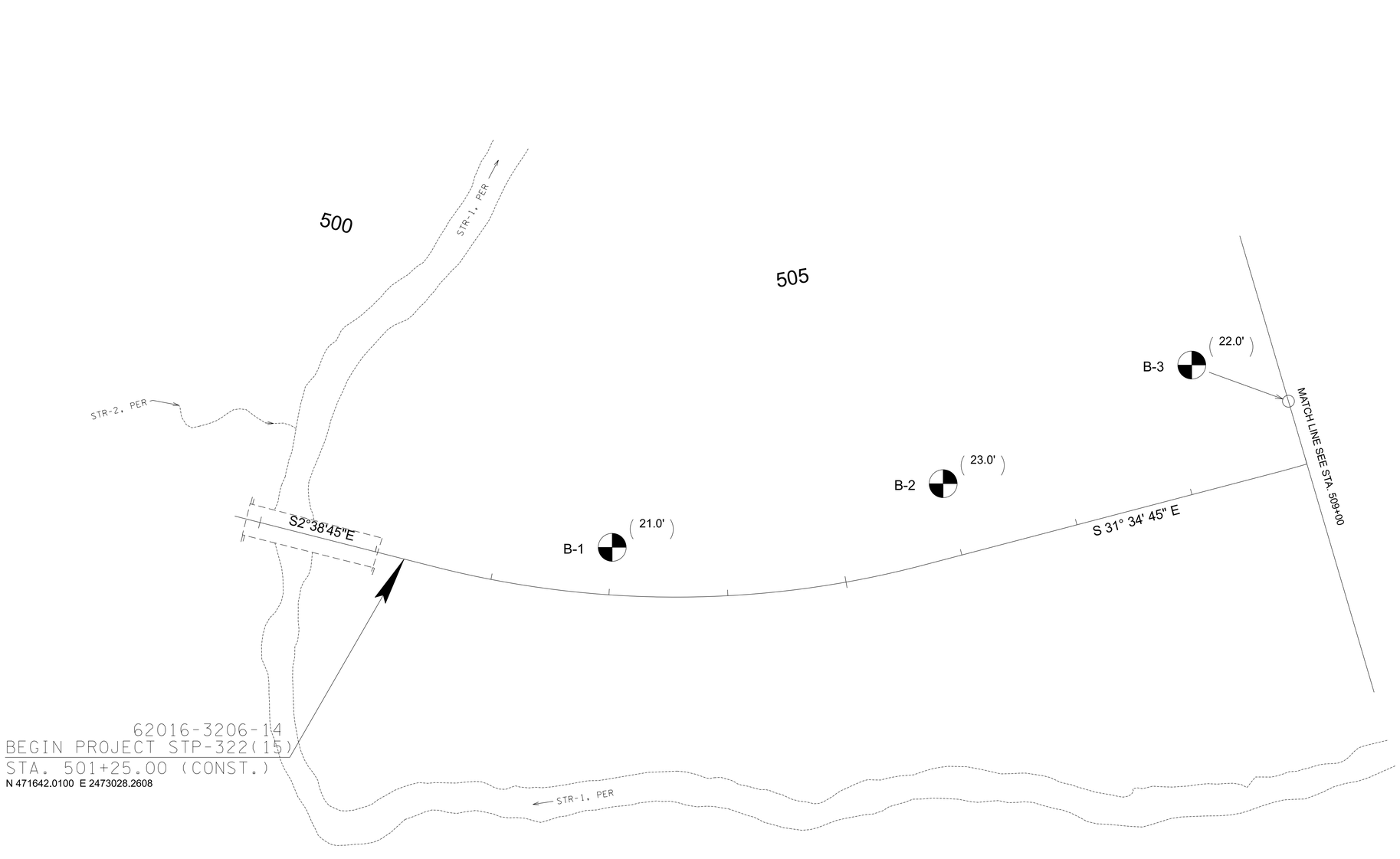


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
NOTES & ESTIMATED QUANTITIES

CELL BDRSG
$$$$SYTIME$$$$$$$$
$$$$DGNSPEC$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-3
PS&E	2026	R-STP-322(15)	G-3



LEGEND

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

SEALED BY

LORI ANN FIORENTINO
REGISTERED ENGINEER
AGRICULTURE
COMM. WC
STATE OF TENNESSEE
Lori Ann Fiorentino
02/24/2026

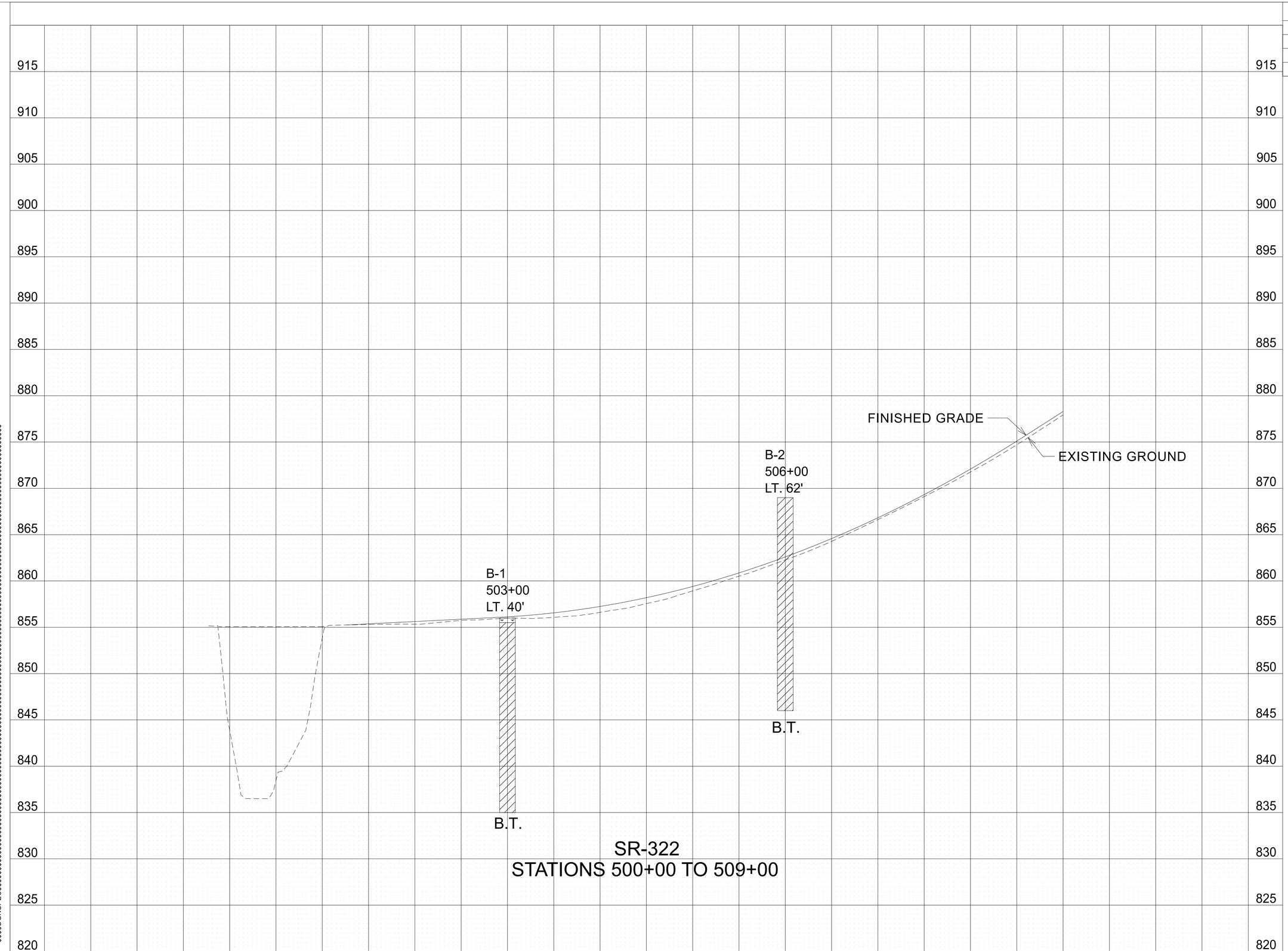
COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING LAYOUT

CELL BDRSG
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-4
PS&E	2026	R-STP-322(15)	G-4



SR-322
STATIONS 500+00 TO 509+00

LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

SEALED BY

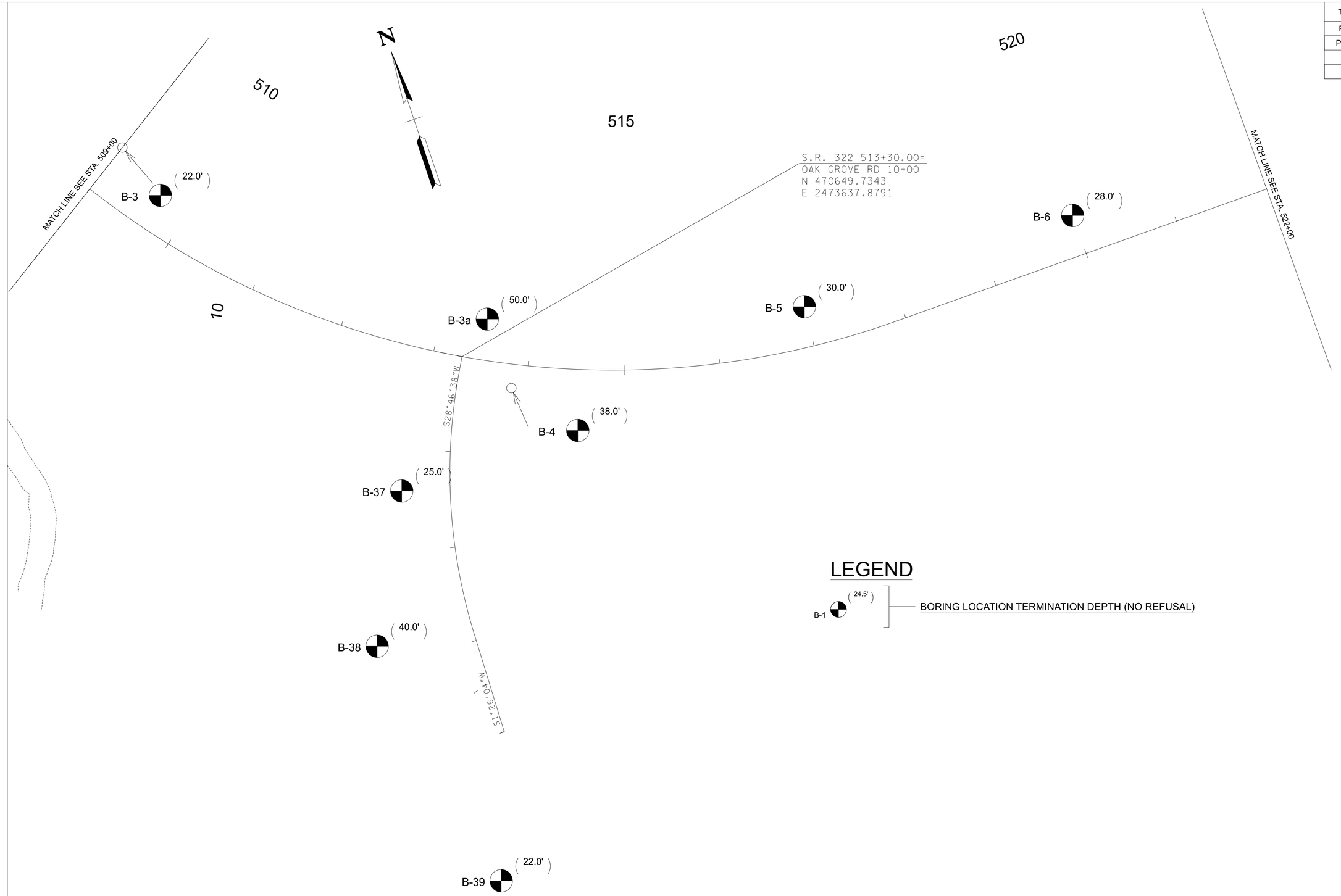
LORI ANN FIORENTINO
REGISTERED ENGINEER
PROFESSIONAL AGRICULTURE
COMM RG
STATE OF TENNESSEE
02/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-5
PS&E	2026	R-STP-322(15)	G-5



LEGEND

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

SEALED BY

LORI ANN FIORENTINO
LICENSED ENGINEER
AGRICULTURE
COMM
STATE OF TENNESSEE

Lori Ann Fiorentino

02/24/2026

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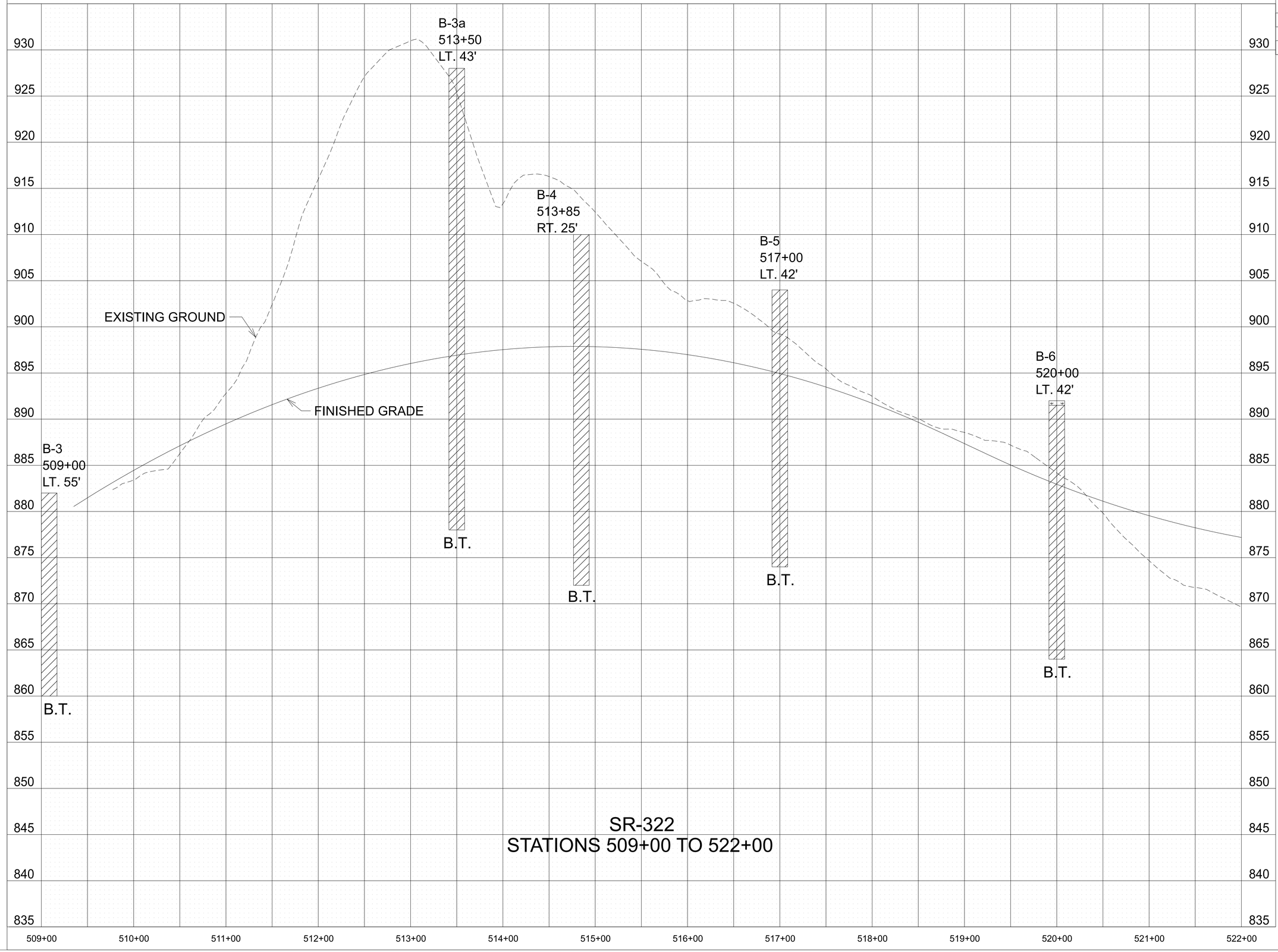
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

CELL BDRSG
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-6
PS&E	2026	R-STP-322(15)	G-6



SR-322
STATIONS 509+00 TO 522+00

LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

SEALED BY

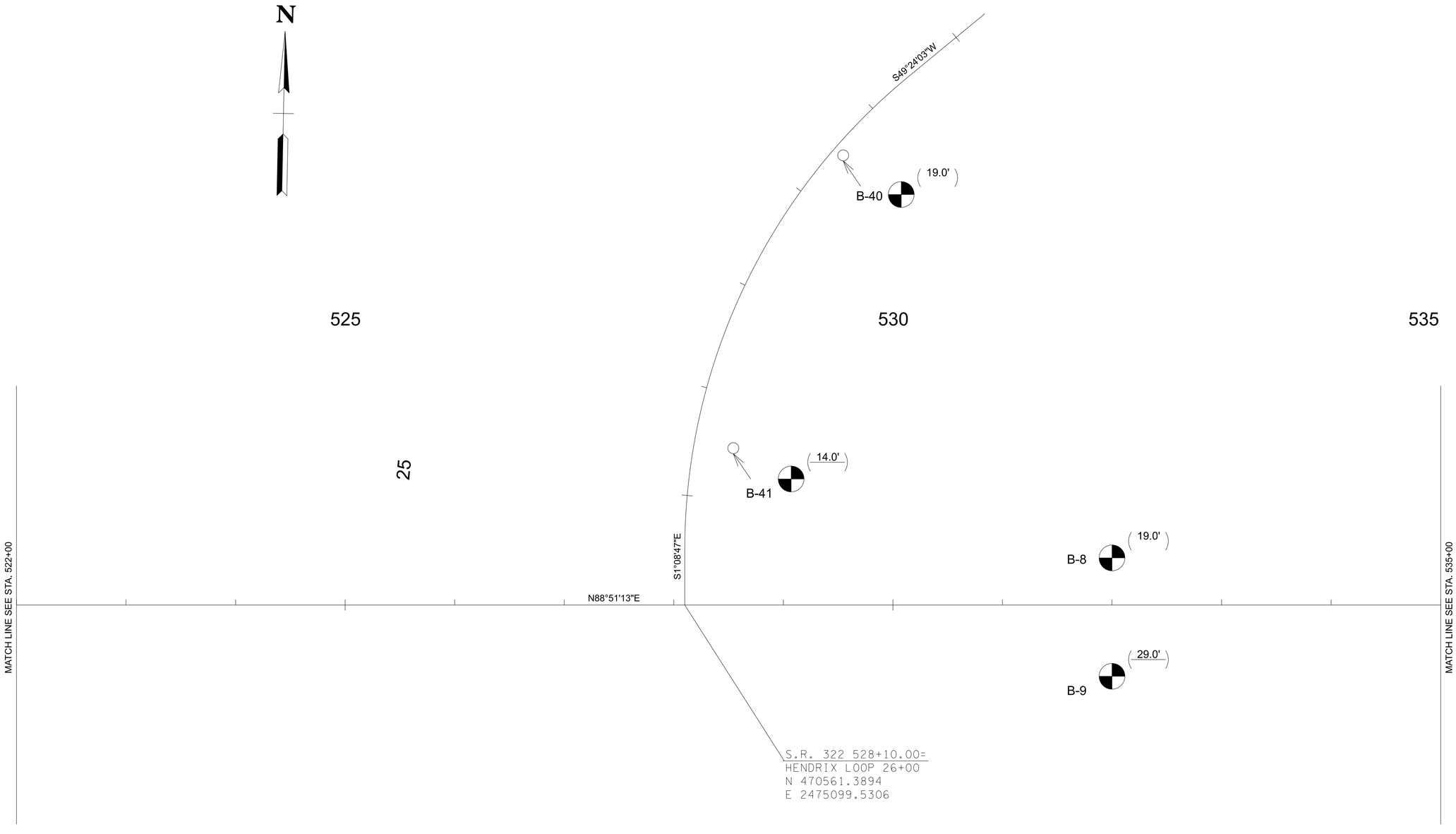


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

CELL MGRID
$$$$$SYTTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-7
PS&E	2026	R-STP-322(15)	G-7



LEGEND

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

SEALED BY

LORI ANN FIORENTINO
REGISTERED ENGINEER
AGRICULTURE
COMM. SC
STATE OF TENNESSEE
02/24/2026

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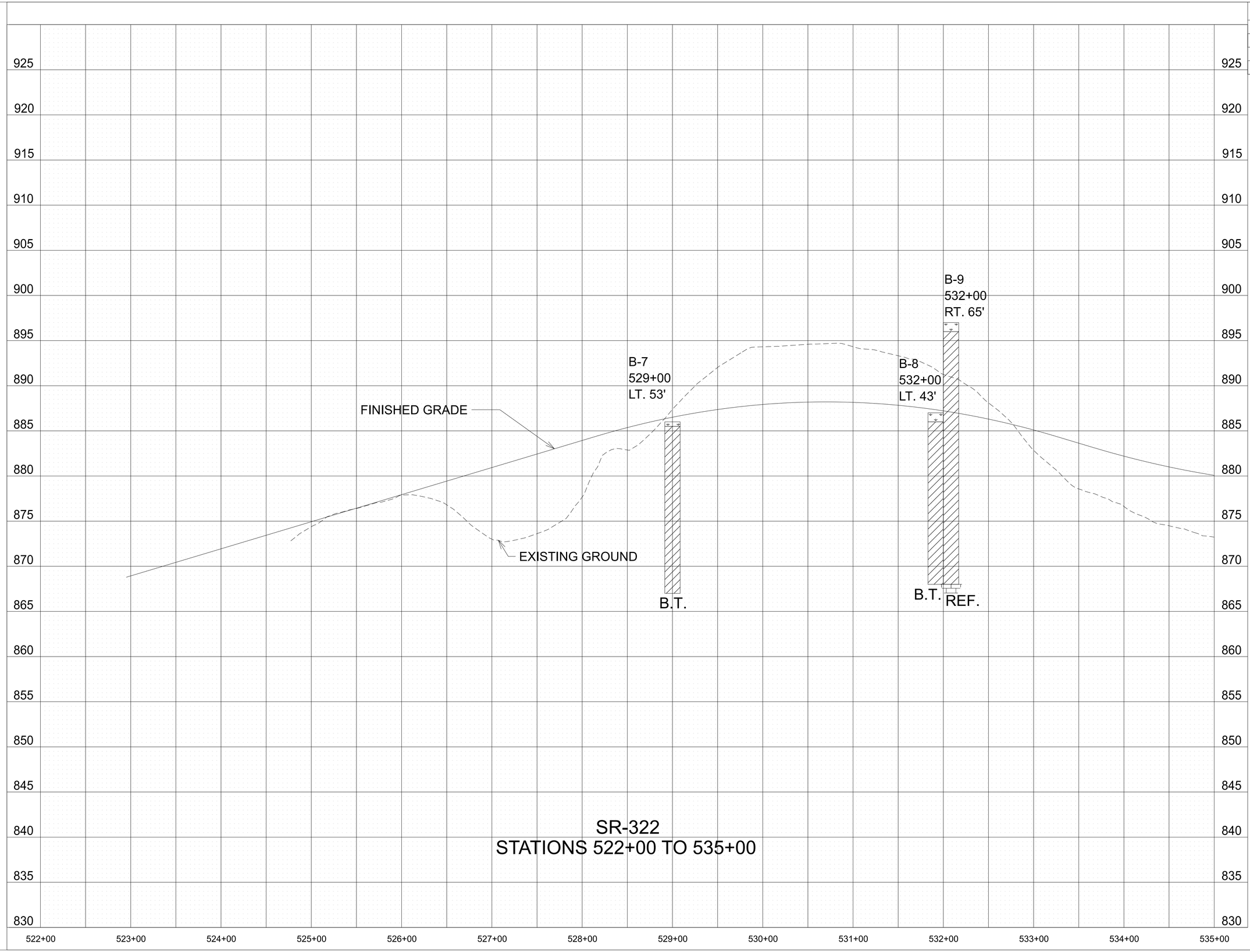
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

CELL BDRSG
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-8
PS&E	2026	R-STP-322(15)	G-8



LEGEND

- TOPSOIL
- CLAY (TYPE A MATERIAL)
- LIMESTONE (TYPE B MATERIAL)

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

SEALED BY

LORI ANN FIORENTINO
REGISTERED ENGINEER
AGRICULTURE
COMM RC
STATE OF TENNESSEE
02/24/2026

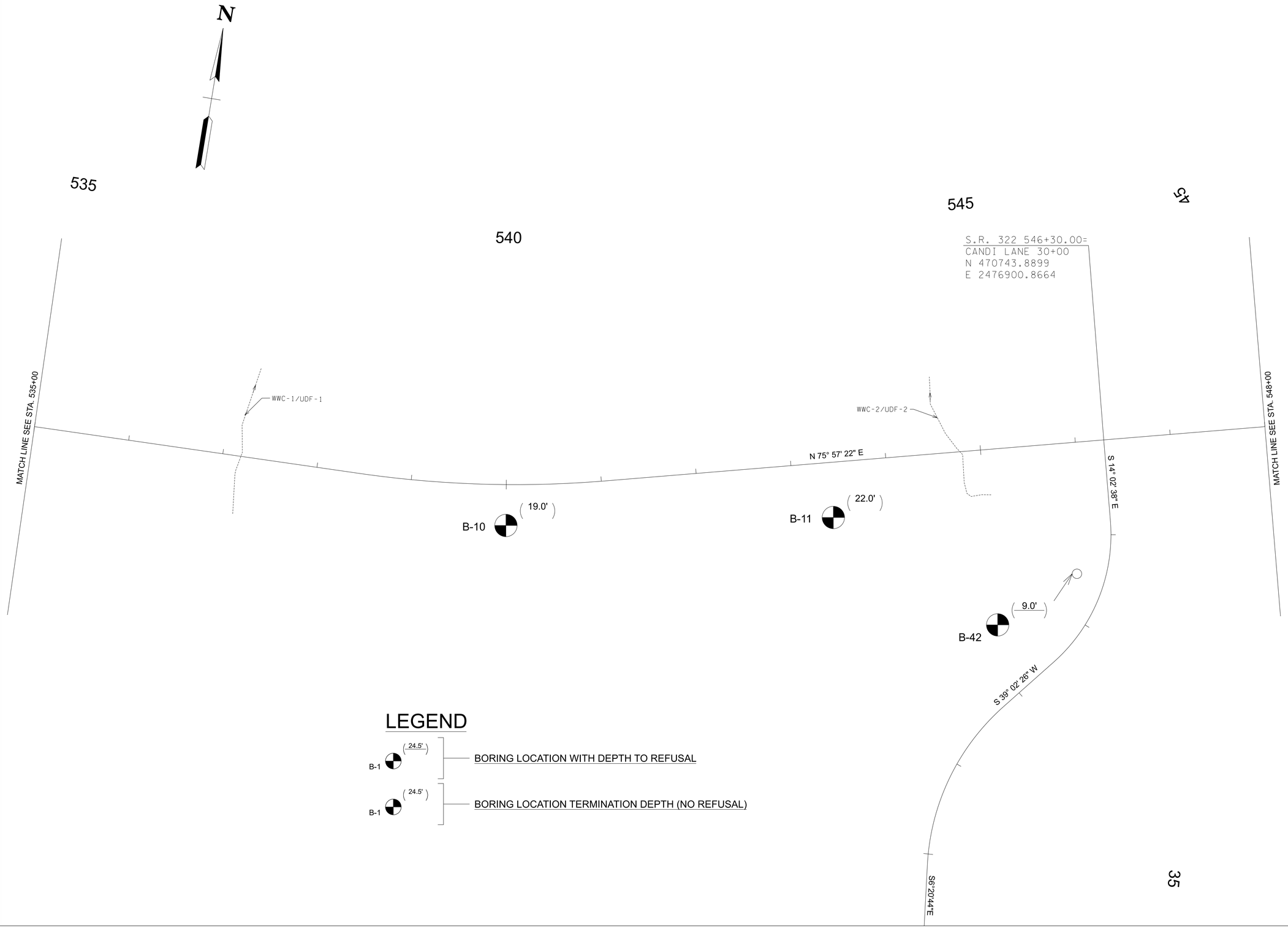
SR-322
STATIONS 522+00 TO 535+00

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

CELL MGRID
$$$$$SYTIME$$$$$$$
$$$$DGNSPECS$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-9
PS&E	2026	R-STP-322(15)	G-9



LEGEND

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

SEALED BY

LORI ANN FIORENTINO
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02/24/2026

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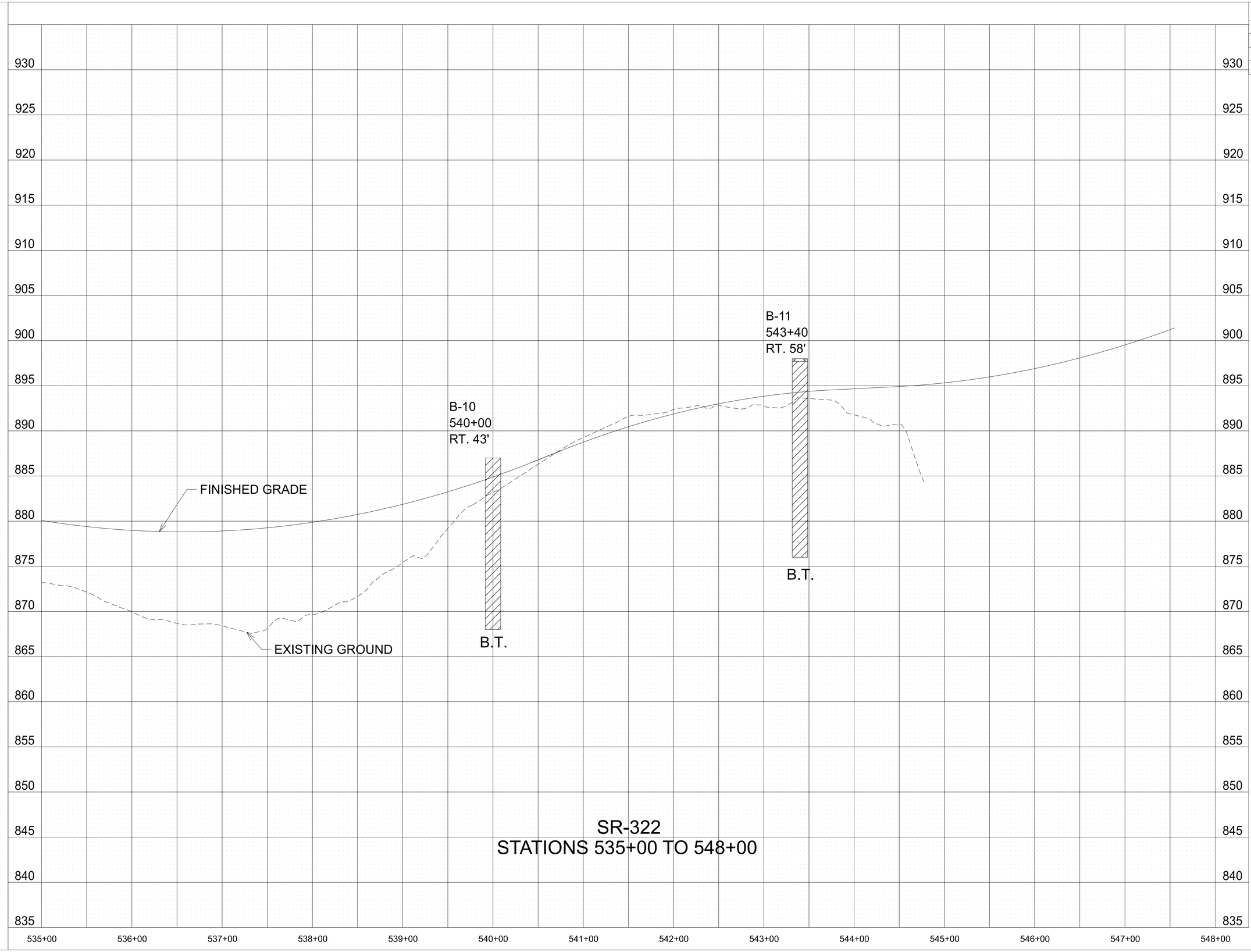
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

35

CELL BDRSG
$$$$SYTIME$$$$$$$
$$$$DGNSPECS$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-10
PS&E	2026	R-STP-322(15)	G-10



SR-322
STATIONS 535+00 TO 548+00

LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

SEALED BY

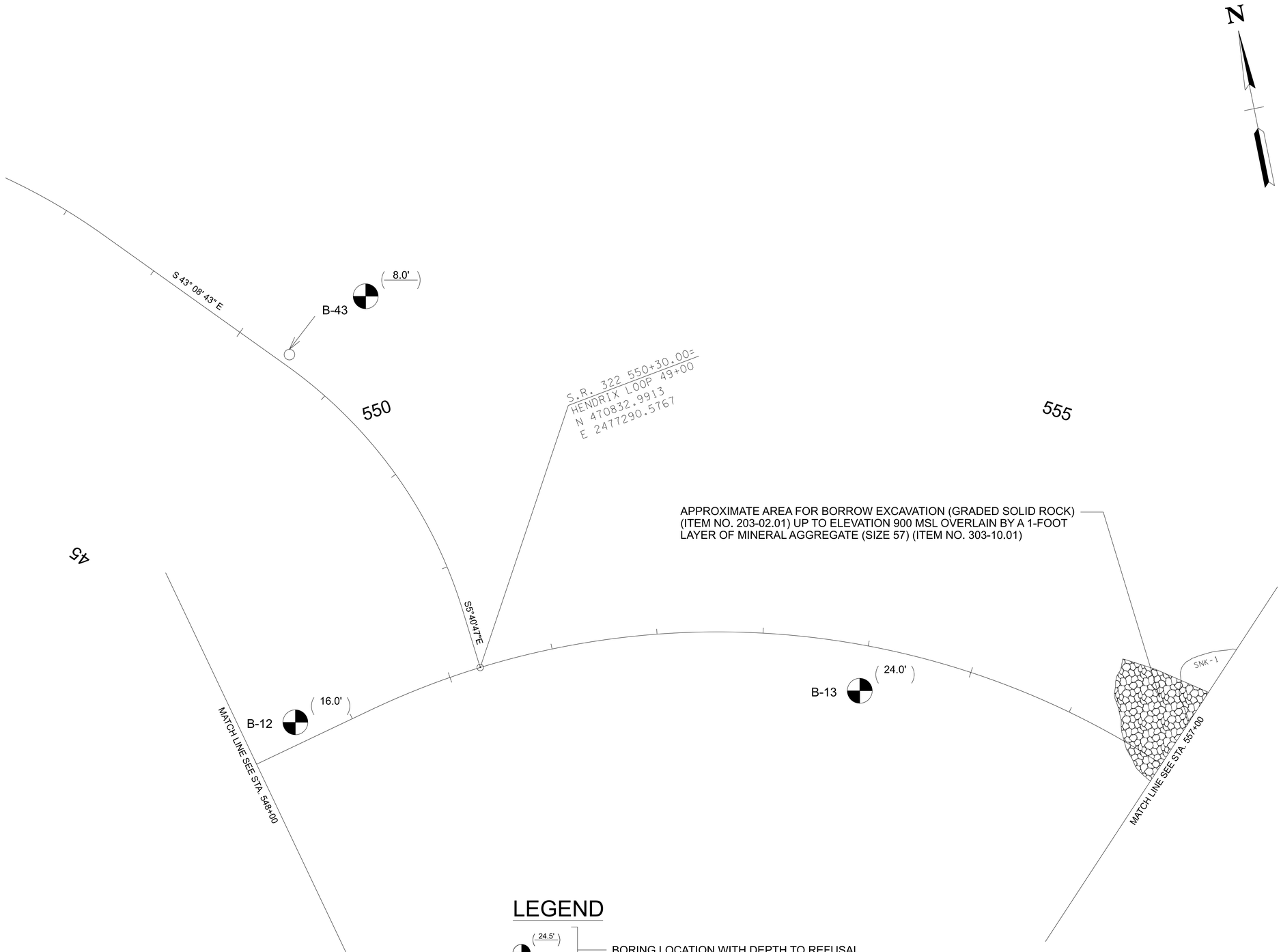


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

CELL MGRID
$$$$$SYTTIME$$$$$$$
$$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-11
PS&E	2026	R-STP-322(15)	G-11



LEGEND

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

SEALED BY

LORI ANN FIORENTINO — REGISTERED ENGINEER — AGRICULTURE — COMM — STATE OF TENNESSEE

Lori Ann Fiorentino

02/24/2026

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

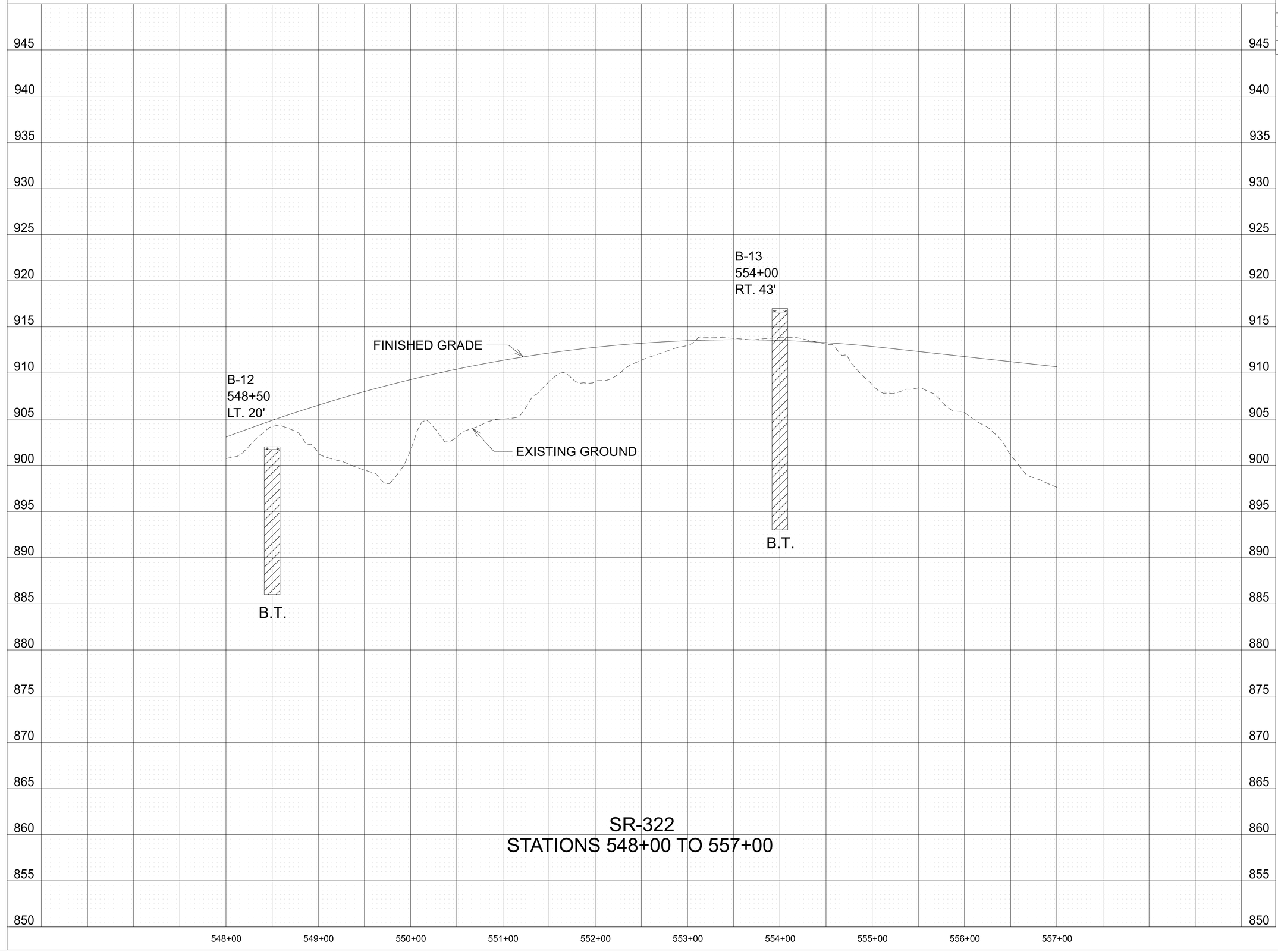
GEOTECHNICAL BORING LAYOUT

CELL BDRSG

$$$$SYTIME$$$$$$$

$$$$DGNSPECS$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-12
PS&E	2026	R-STP-322(15)	G-12



SR-322
STATIONS 548+00 TO 557+00

LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

SEALED BY

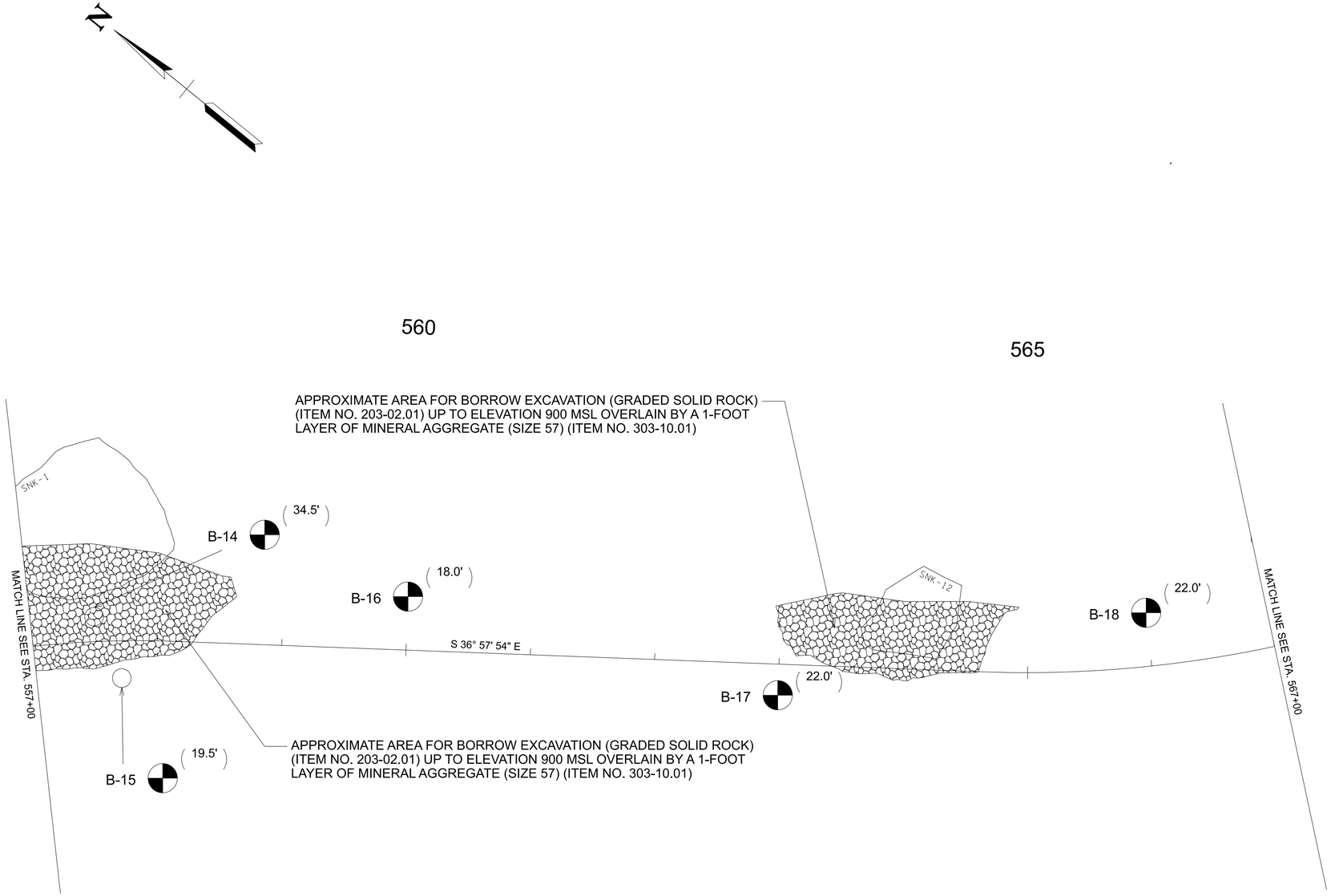
LORI ANN FIORENTINO
REGISTERED ENGINEER
AGRICULTURE
COMM. RC
STATE OF TENNESSEE
Lori Ann Fiorentino
02/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

CELL MGRID
$$$$$SYTTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-13
PS&E	2026	R-STP-322(15)	G-13



LEGEND

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

SEALED BY

LORI ANN FIORENTINO — REGISTERED ENGINEER — DEPARTMENT OF AGRICULTURE — COMM RC — STATE OF TENNESSEE

02/24/2026

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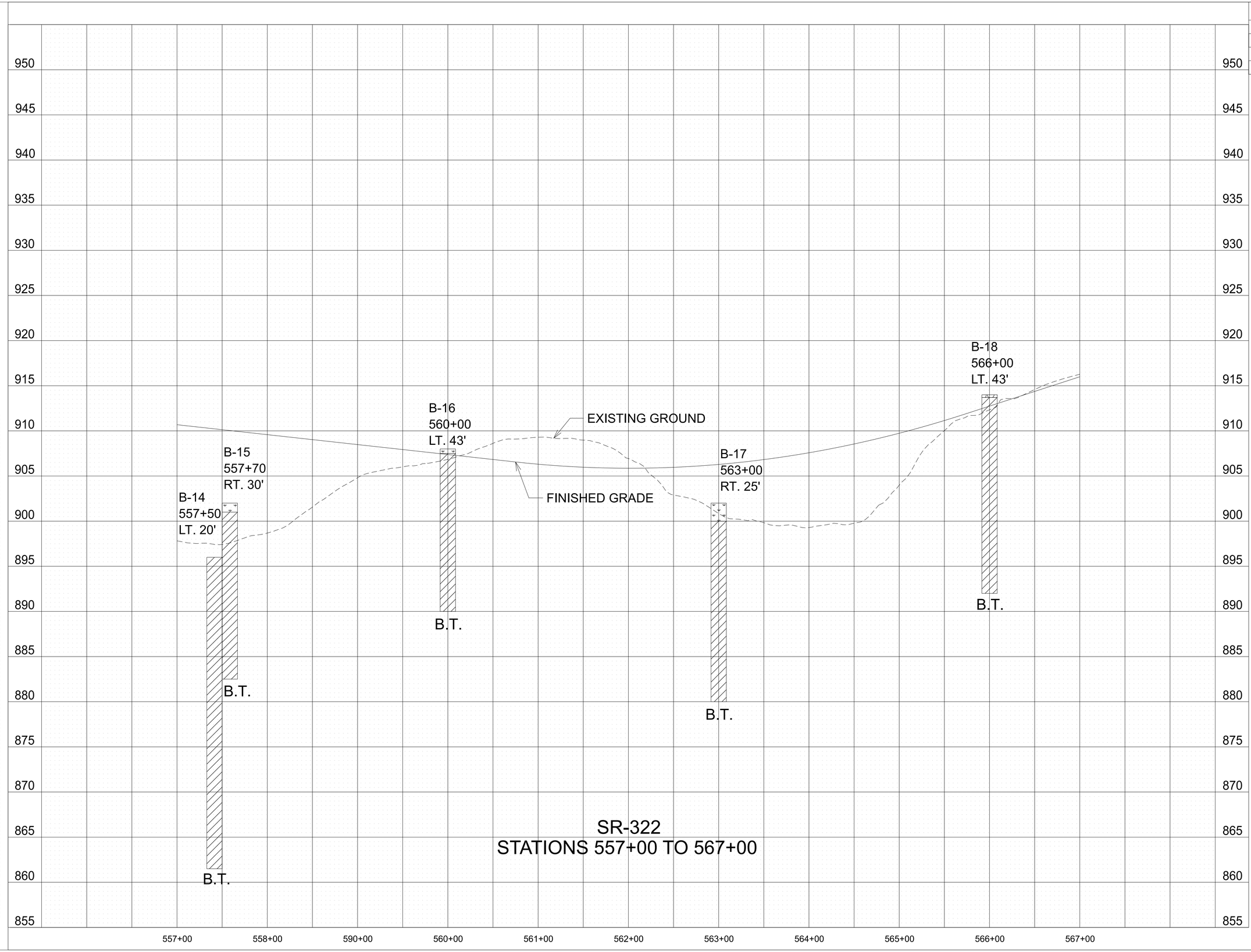
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

CELL BDRSG
$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-14
PS&E	2026	R-STP-322(15)	G-14



LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

GRAVEL (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

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REGISTERED ENGINEER
AGRICULTURE
COMM
STATE OF TENNESSEE

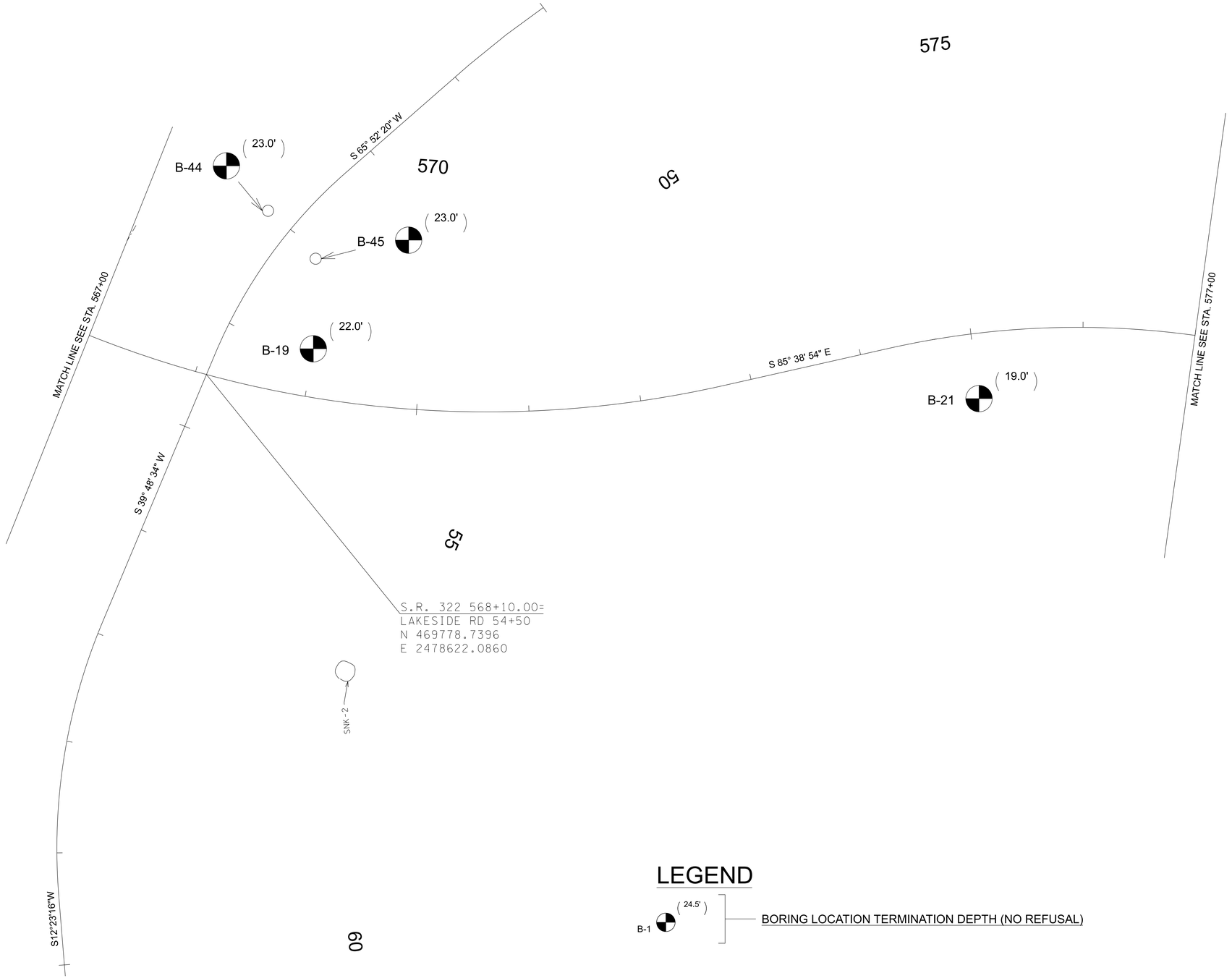
02/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

CELL MGRID
$$$$$SYTIME$$$$$$$
$$$$DGNSPECS$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-15
PS&E	2026	R-STP-322(15)	G-15



LEGEND

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

SEALED BY

LORI ANN FIORENTINO
REGISTERED ENGINEER
AGRICULTURE
COMM RC
STATE OF TENNESSEE

Lori Ann Fiorentino

02/24/2026

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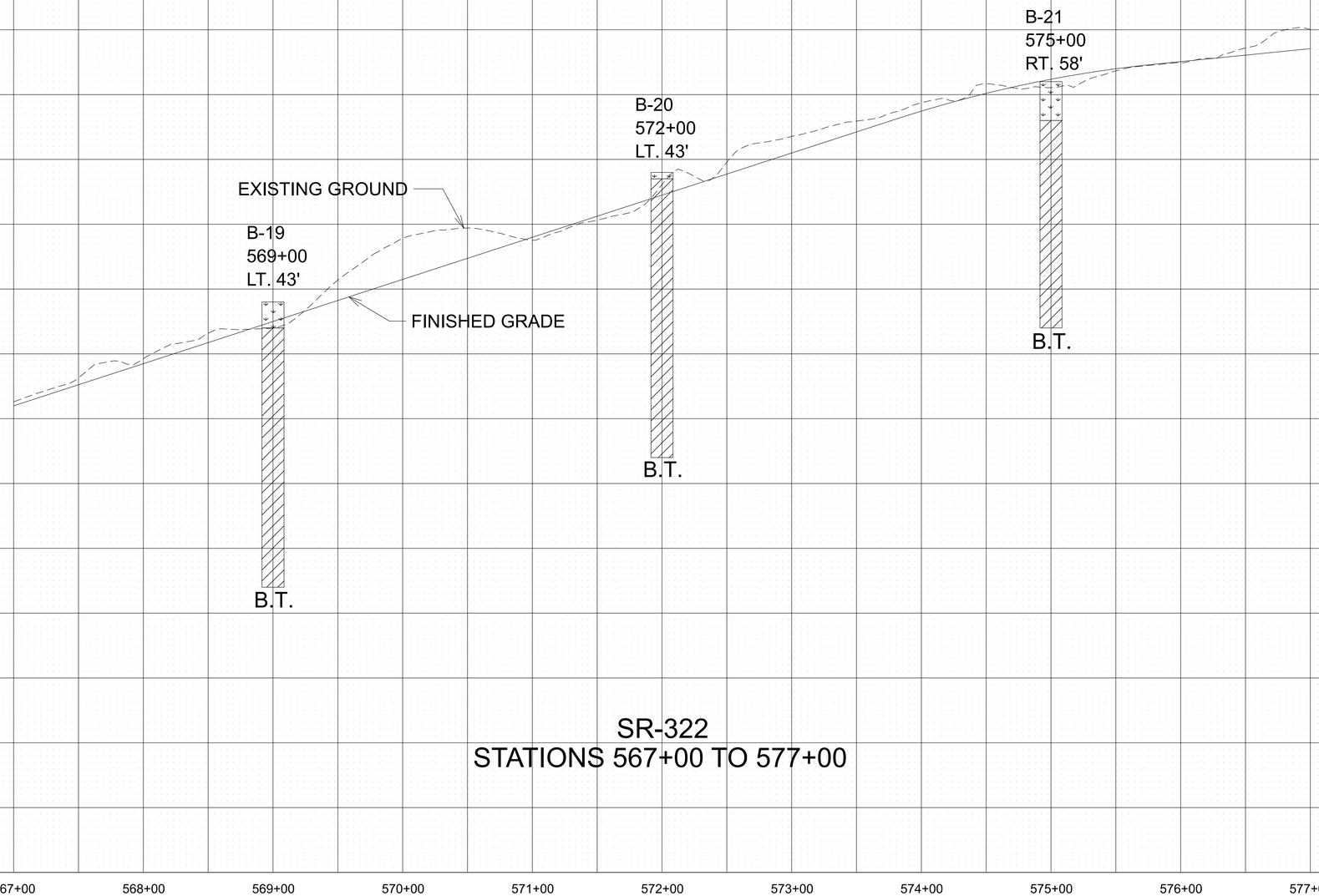
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

CELL BDRSG
$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-16
PS&E	2026	R-STP-322(15)	G-16



SR-322
STATIONS 567+00 TO 577+00

LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

SEALED BY

LORI ANN FIORENTINO
REGISTERED ENGINEER
AGRICULTURE
COMM. RC
No. 113747
STATE OF TENNESSEE

Lori Ann Fiorentino

02/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING
PROFILE

CELL MGRID
$$$$$SYTTIME$$$$$$$$
$$$$DGNSPEC$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-17
PS&E	2026	R-STP-322(15)	G-17

580

70

585

590

75

SNK-3

S 86° 52' 50" W

S 39° 53' 48" W

S.R. 322 579+00.00=
OLD S.R. 322 RD 75+00
N 469447.2112
E 2479642.5011

B-23 (18.0')

B-25 (36.0')

B-24 (23.0')

B-22 (24.0')

B-27 (18.0')

B-29 (3.0')

B-30 (2.0')

B-26 (34.5')

B-28 (10.5')

B-31 (7.0')

S 31° 50' 40" E

MATCH LINE SEE STA. 577+00

MATCH LINE SEE STA. 590+00

S 58° 09' 20" W

S.R. 322 581+75.00=
BRAKEBILL RD 60+00
N 469237.2492
E 2479818.2201

MATCH LINE SEE STA. 64+00

SNK-4

LEGEND

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

SEALED BY

LORI ANN FIORENTINO
REGISTERED ENGINEER
AGRICULTURE
COMM. RC
STATE OF TENNESSEE
Lori Ann Fiorentino
02/24/2026

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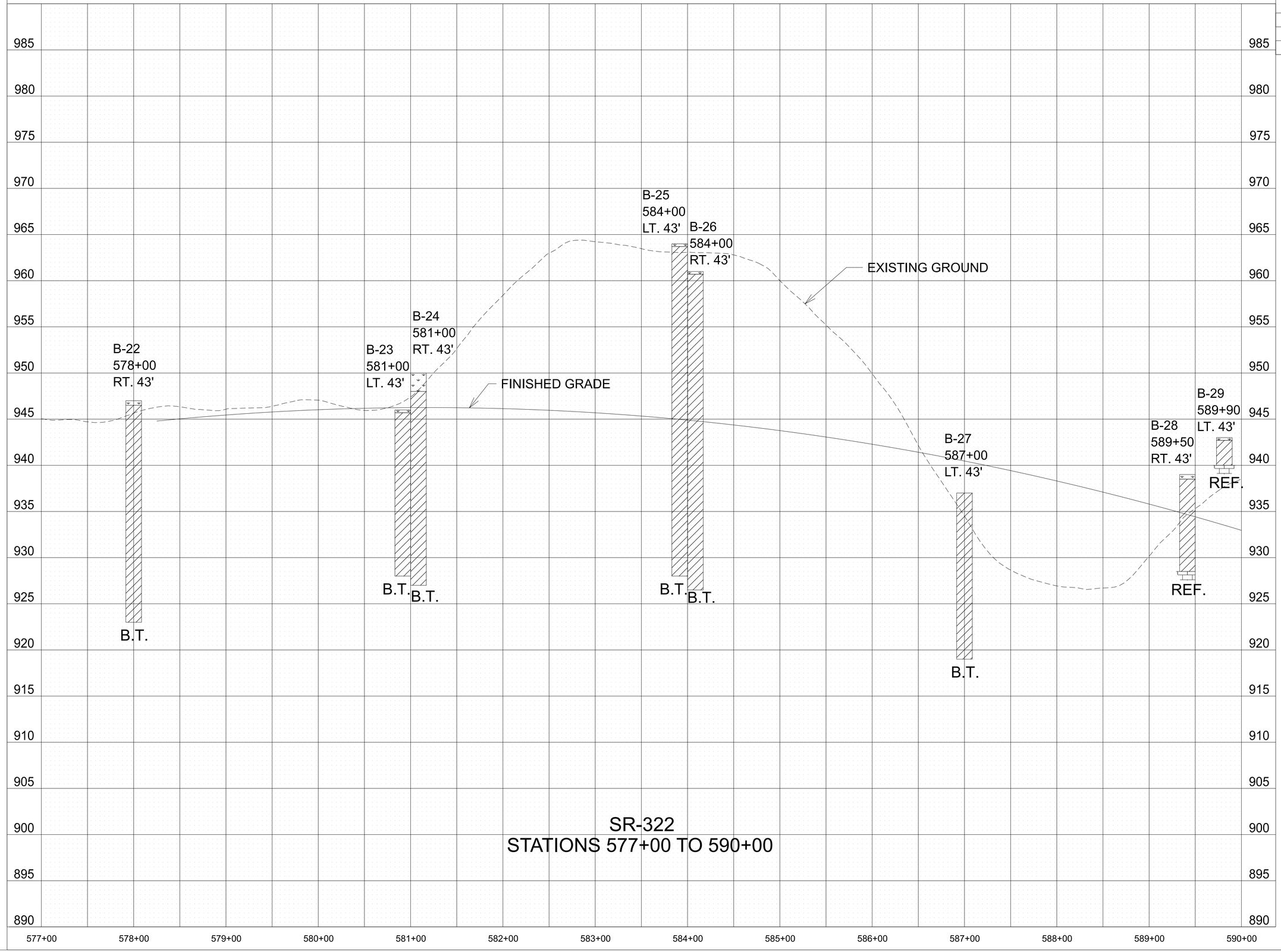
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING LAYOUT

CELL BDRSG
$$$$SYTIME$$$$$$
$$$$DGNSPECS$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-18
PS&E	2026	R-STP-322(15)	G-18



SR-322
STATIONS 577+00 TO 590+00

LEGEND

- TOPSOIL
- CLAY (TYPE A MATERIAL)
- LIMESTONE (TYPE B MATERIAL)

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

SEALED BY

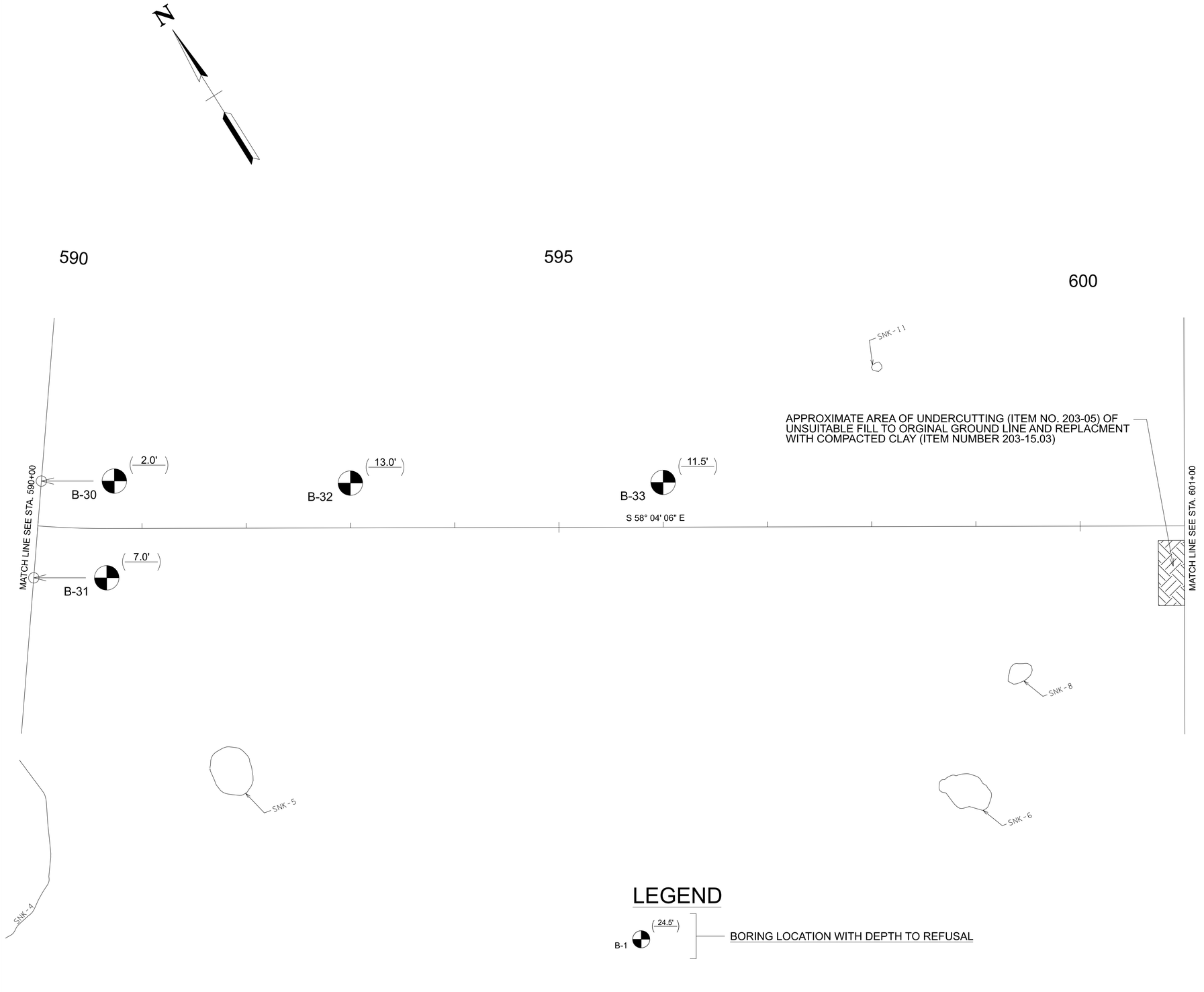


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING
PROFILE

CELL MGRID
$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-19
PS&E	2026	R-STP-322(15)	G-19



LEGEND

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

SEALED BY

LORI ANN FLORENTINO
REGISTERED ENGINEER
AGRICULTURE
COMM. SC
STATE OF TENNESSEE
Lori Ann Florentino
02/24/2026

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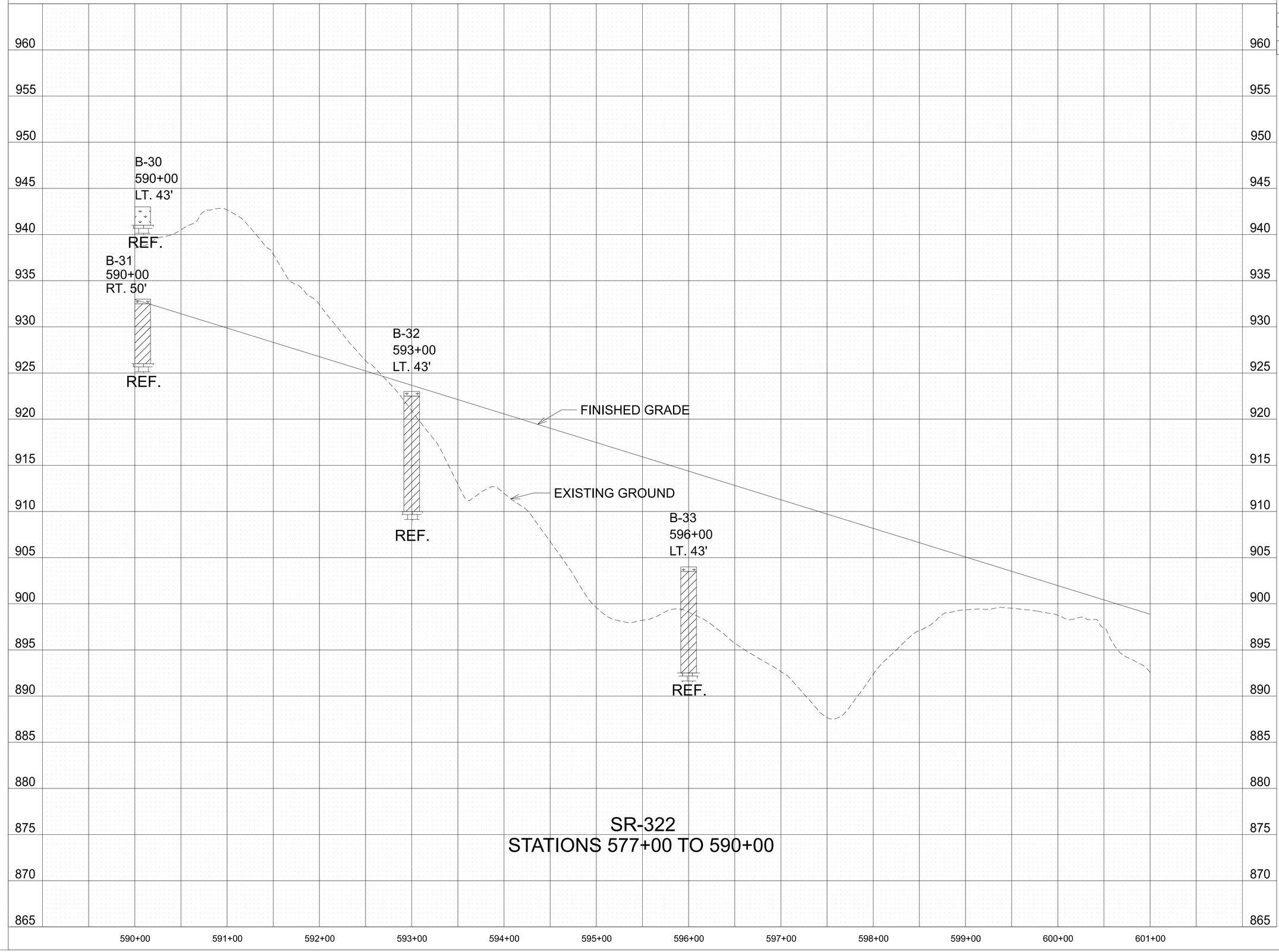
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING LAYOUT

CELL BDRSG
$$$$SYTIME$$$$$$
$$$$DGNSPEC$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-20
PS&E	2026	R-STP-322(15)	G-20



SR-322
STATIONS 577+00 TO 590+00

LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

LIMESTONE (TYPE B MATERIAL)

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

SEALED BY

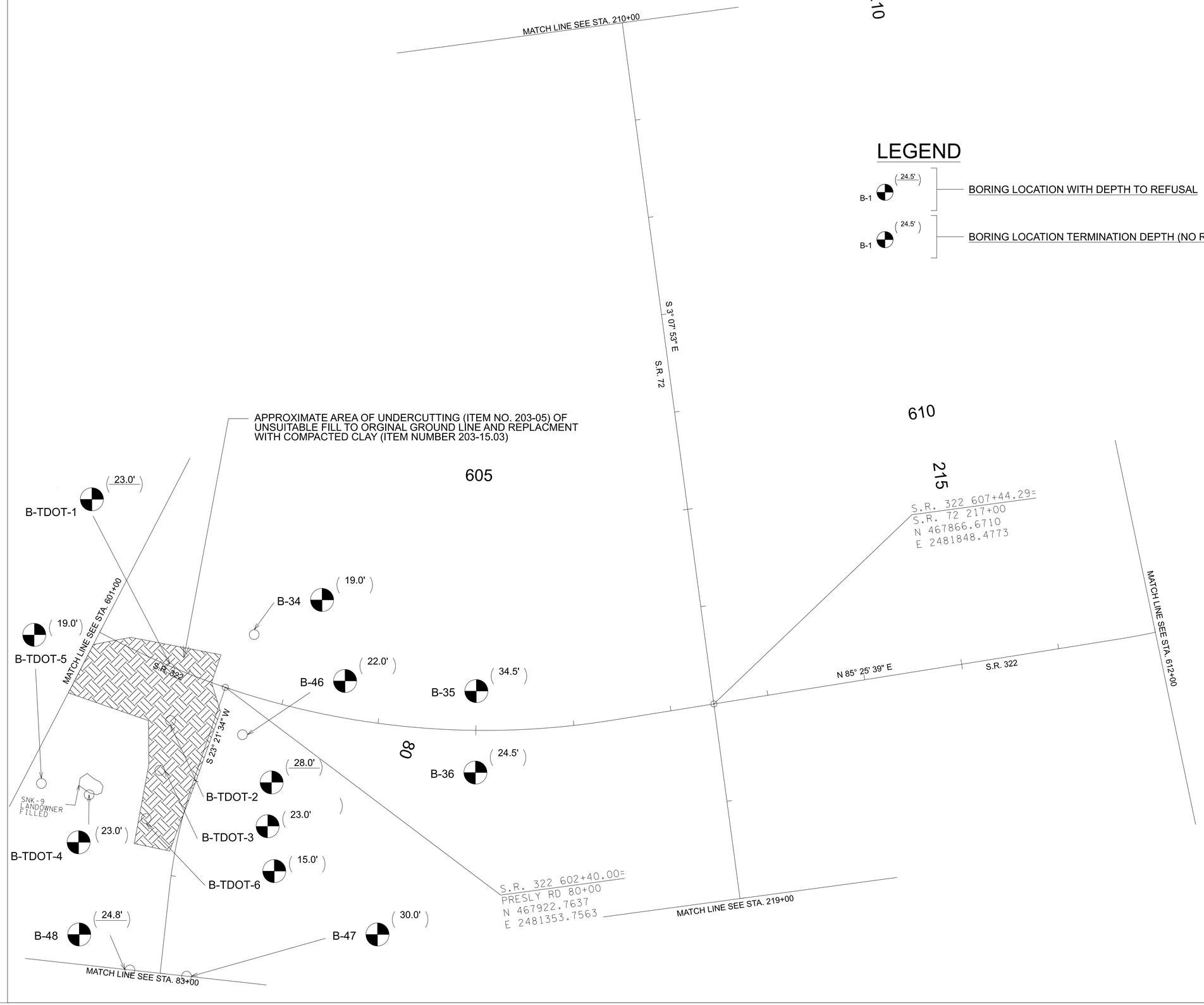
ORLI ANN FIORENTINO
REGISTERED ENGINEER
AGRICULTURE
COMM. NO. 111234
STATE OF TENNESSEE
Lori Ann Fiorentino
02/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

CELL MGRID
$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-21
PS&E	2026	R-STP-322(15)	G-21



LEGEND

B-1 (24.5') — BORING LOCATION WITH DEPTH TO REFUSAL

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

SEALED BY

ORLI ANN FIORENTINO
REGISTERED ENGINEER
AGRICULTURE
CONSTR MC
STATE OF TENNESSEE
02/24/2026

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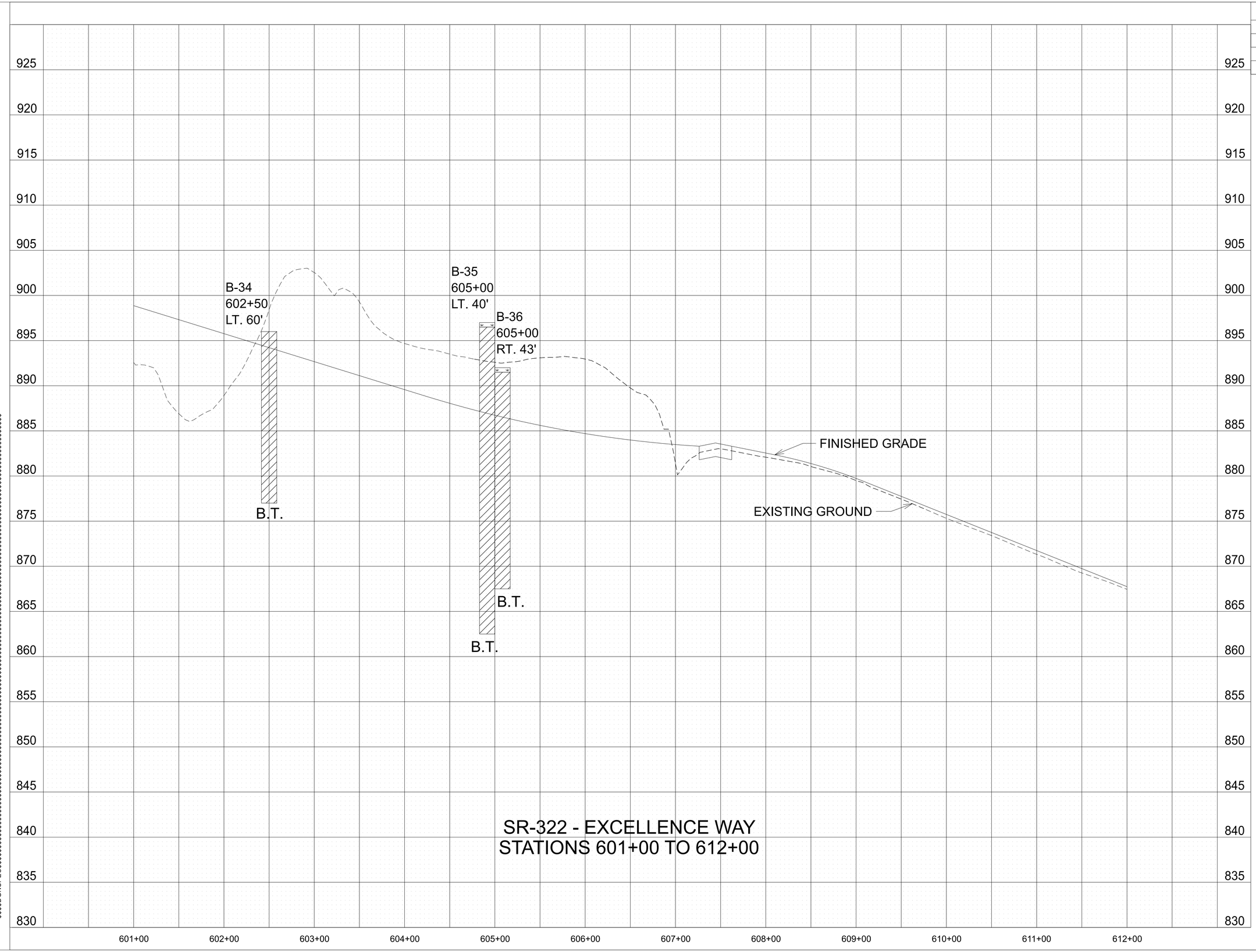
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING LAYOUT

$$$$DGNSPEC$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-22
PS&E	2026	R-STP-322(15)	G-22



SR-322 - EXCELLENCE WAY
STATIONS 601+00 TO 612+00

LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

SEALED BY

ORLI ANN FIORENTINO
REGISTERED ENGINEER
AGRICULTURE
CONSM HC
STATE OF TENNESSEE

Orli Ann Fiorentino

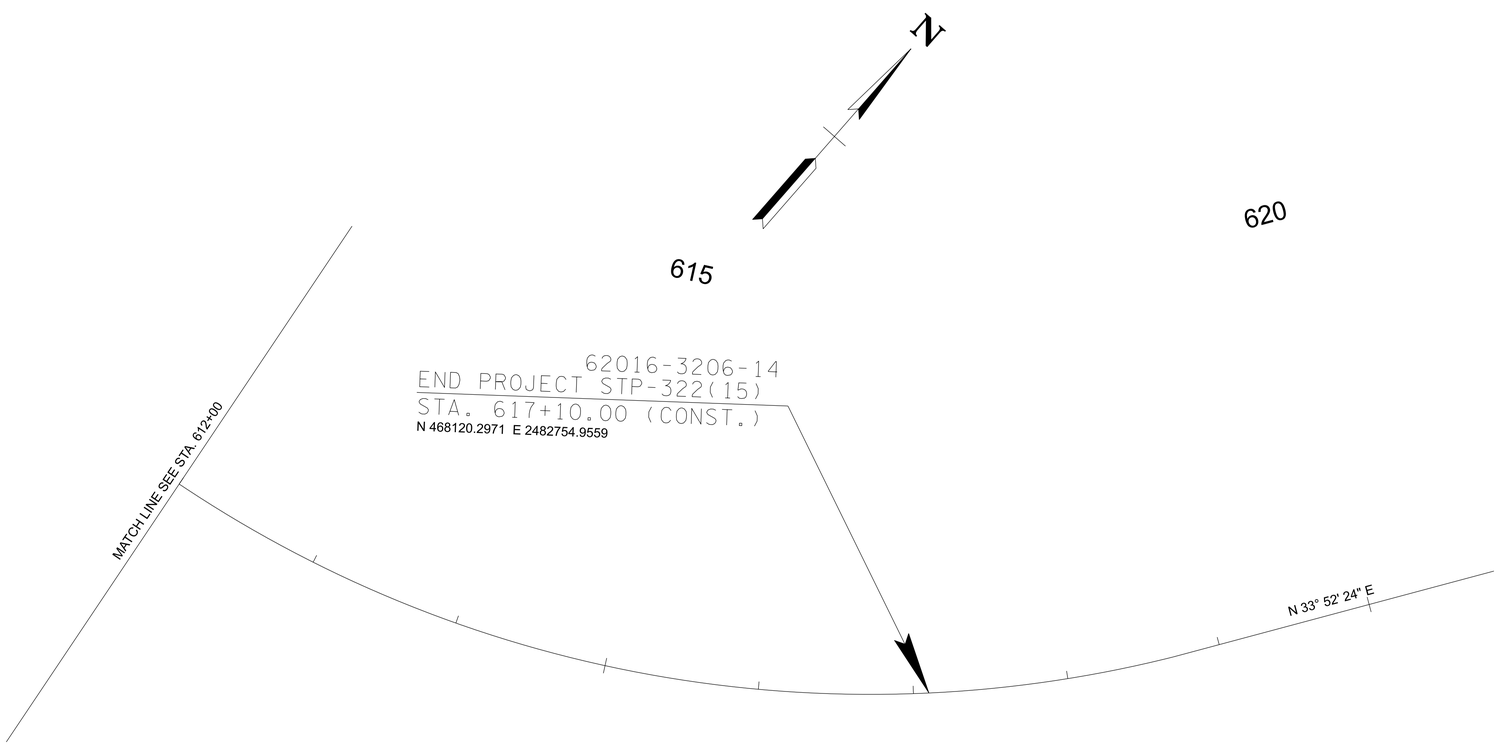
02/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

CELL MGRID
$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-23
PS&E	2026	R-STP-322(15)	G-23



NO BOREHOLES THIS LAYOUT

SEALED BY

LORI ANN FLORENTINO
REGISTERED ENGINEER
STATE OF TENNESSEE
02/24/2026

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING LAYOUT

CELL BDRSG

$$$$SYTIME$$$$$$

$$$$DGNSPEC$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-24
PS&E	2026	R-STP-322(15)	G-24

910 905 900 895 890 885 880 875 870 865 860 855 850 845 840 835 830 825 820 815

FINISHED GRADE

EXISTING GROUND

NO BORINGS THIS PROFILE

EXCELLENCE WAY
STATIONS 612+00 TO 620+00

612+00 613+00 614+00 615+00 616+00 617+00 618+00 619+00 620+00

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REGISTERED ENGINEER
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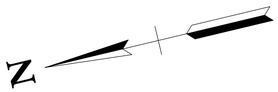
STATE OF TENNESSEE
02/24/2026

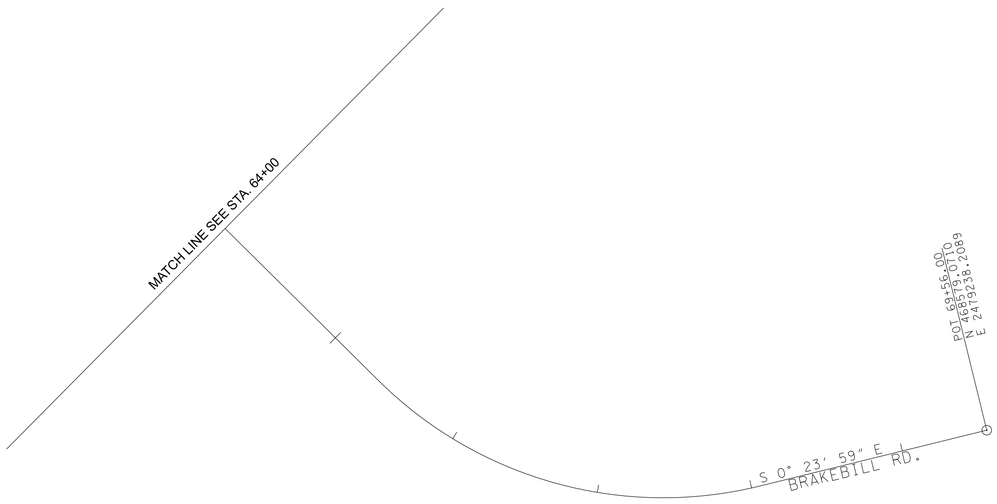
STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GEOTECHNICAL
BORING
PROFILE

CELL MGRID
$$$$$SYTTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-25
PS&E	2026	R-STP-322(15)	G-25





NO BOREHOLES THIS LAYOUT

SEALED BY

LORI ANN FIORENTINO
REGISTERED ENGINEER
AGRICULTURE
COMM RG
STATE OF TENNESSEE

02/24/2026

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

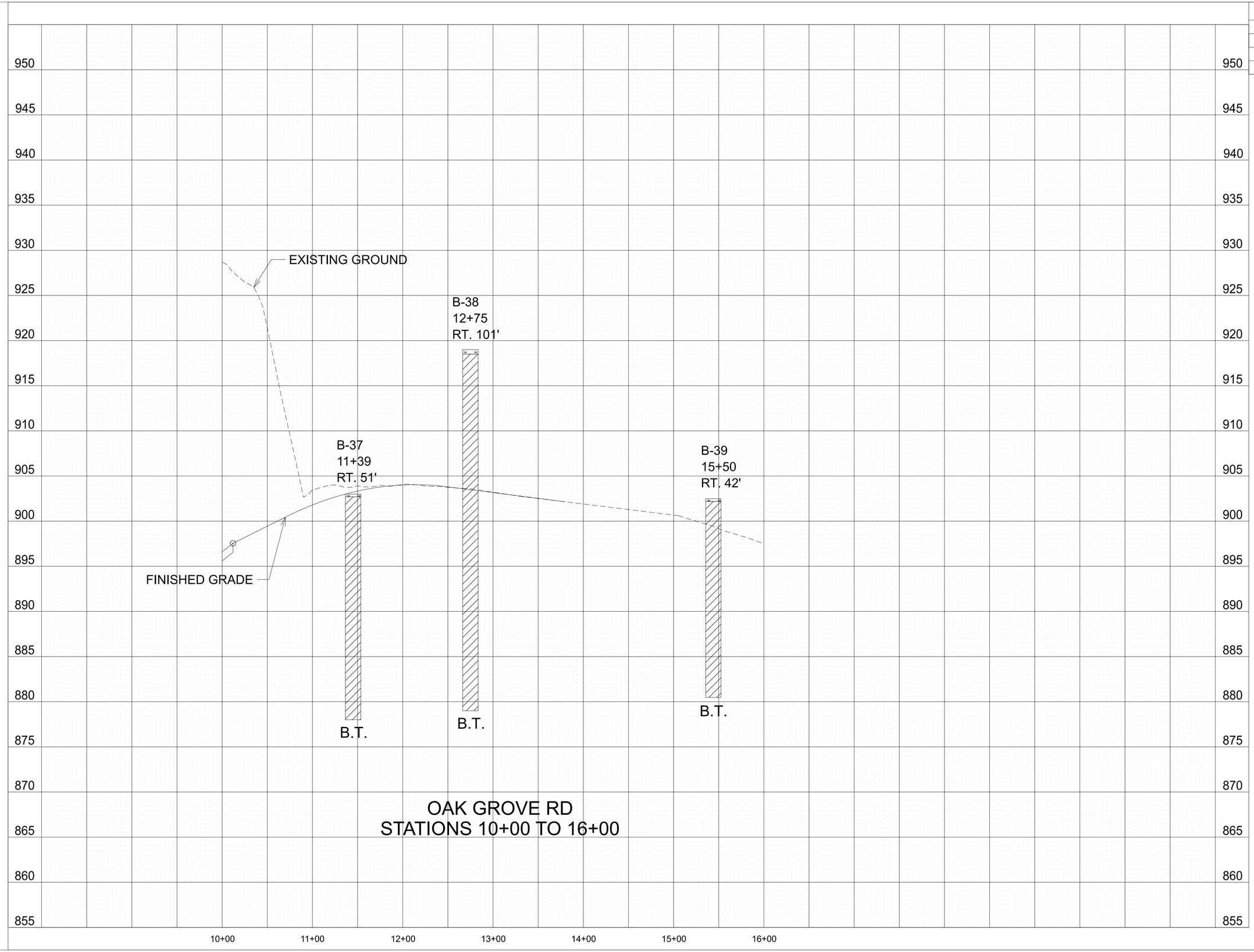
GEOTECHNICAL
BORING
LAYOUT

CELL BDRSG
$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-26
PS&E	2026	R-STP-322(15)	G-26

CELL BDRSG
$$$$$SYTIME$$$$$$$
$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-27
PS&E	2026	R-STP-322(15)	G-27



OAK GROVE RD
STATIONS 10+00 TO 16+00

LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

SEALED BY

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Orli Ann Fiorentino

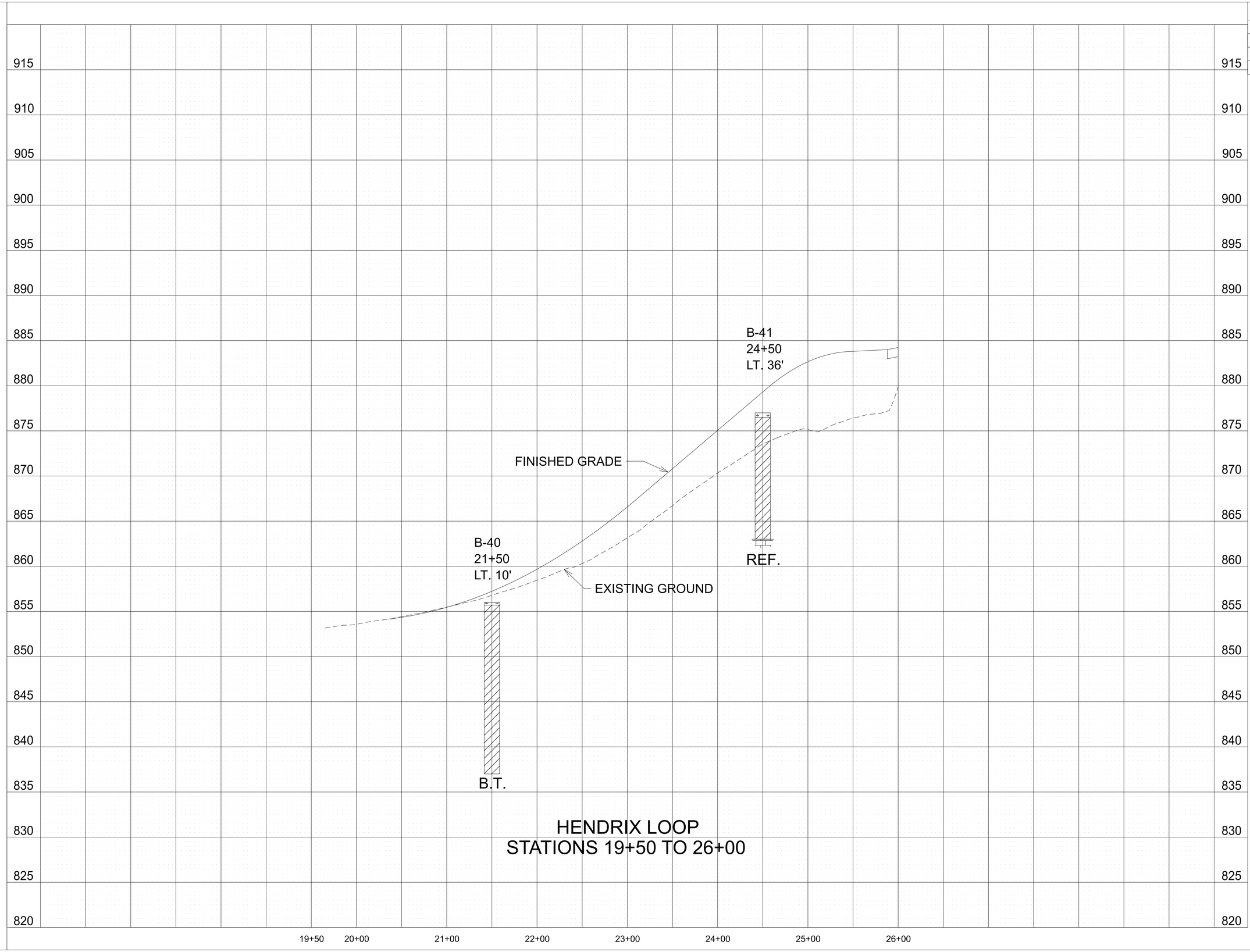
02/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

CELL MGRID
$$$$$SYTTIME$$$$$$$$
$$$$DGNSPEC$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-28
PS&E	2026	R-STP-322(15)	G-28



LEGEND

- TOPSOIL
- CLAY (TYPE A MATERIAL)
- LIMESTONE (TYPE B MATERIAL)

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

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COMM RC
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02/24/2026

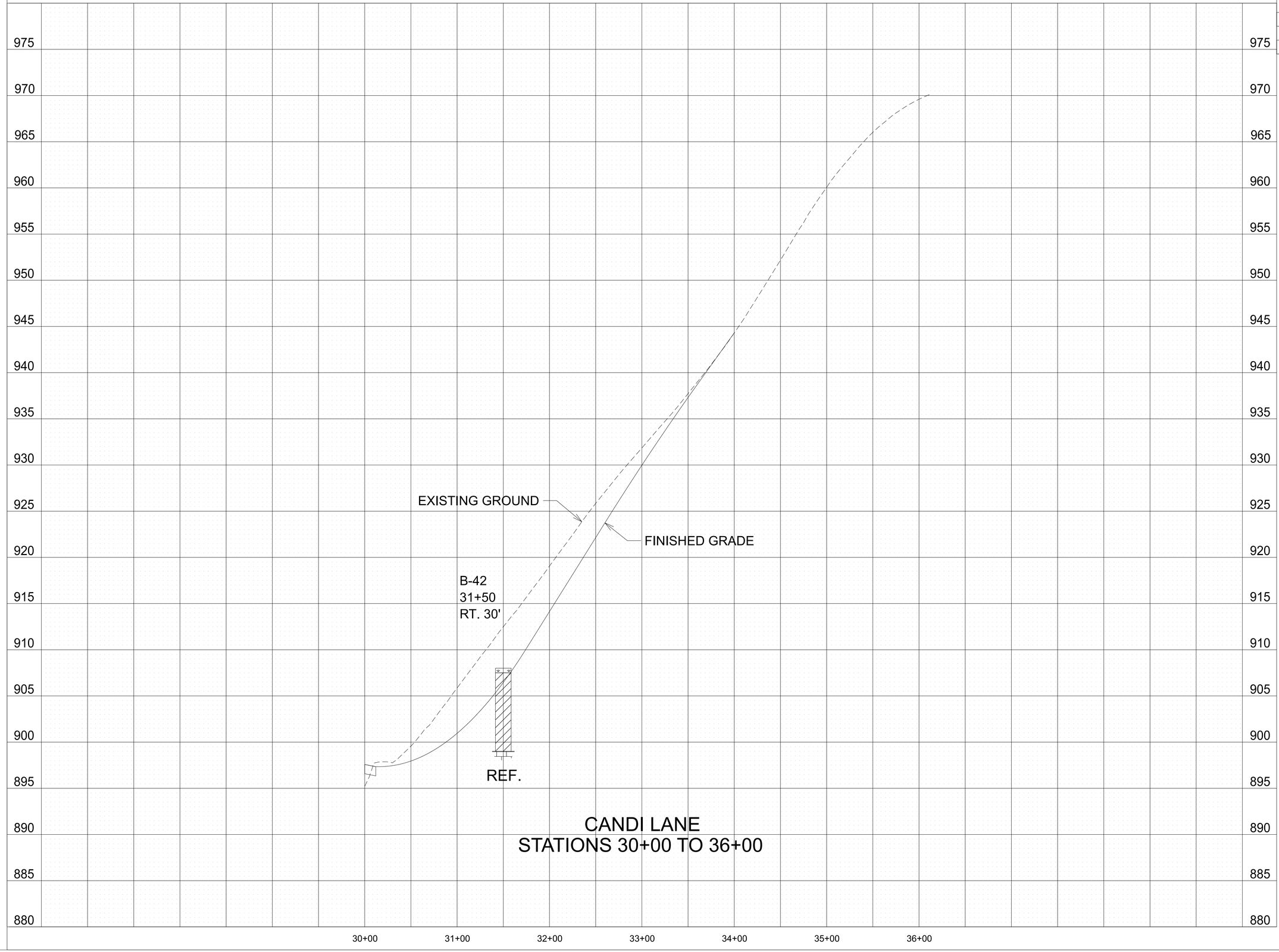
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

HENDRIX LOOP
STATIONS 19+50 TO 26+00

CELL MGRID
$$$$$SYTIME$$$$$$$
$$$$DGNSPECS$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-29
PS&E	2026	R-STP-322(15)	G-29



CANDI LANE
STATIONS 30+00 TO 36+00

LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

LIMESTONE (TYPE B MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.
REF.= AUGER REFUSAL

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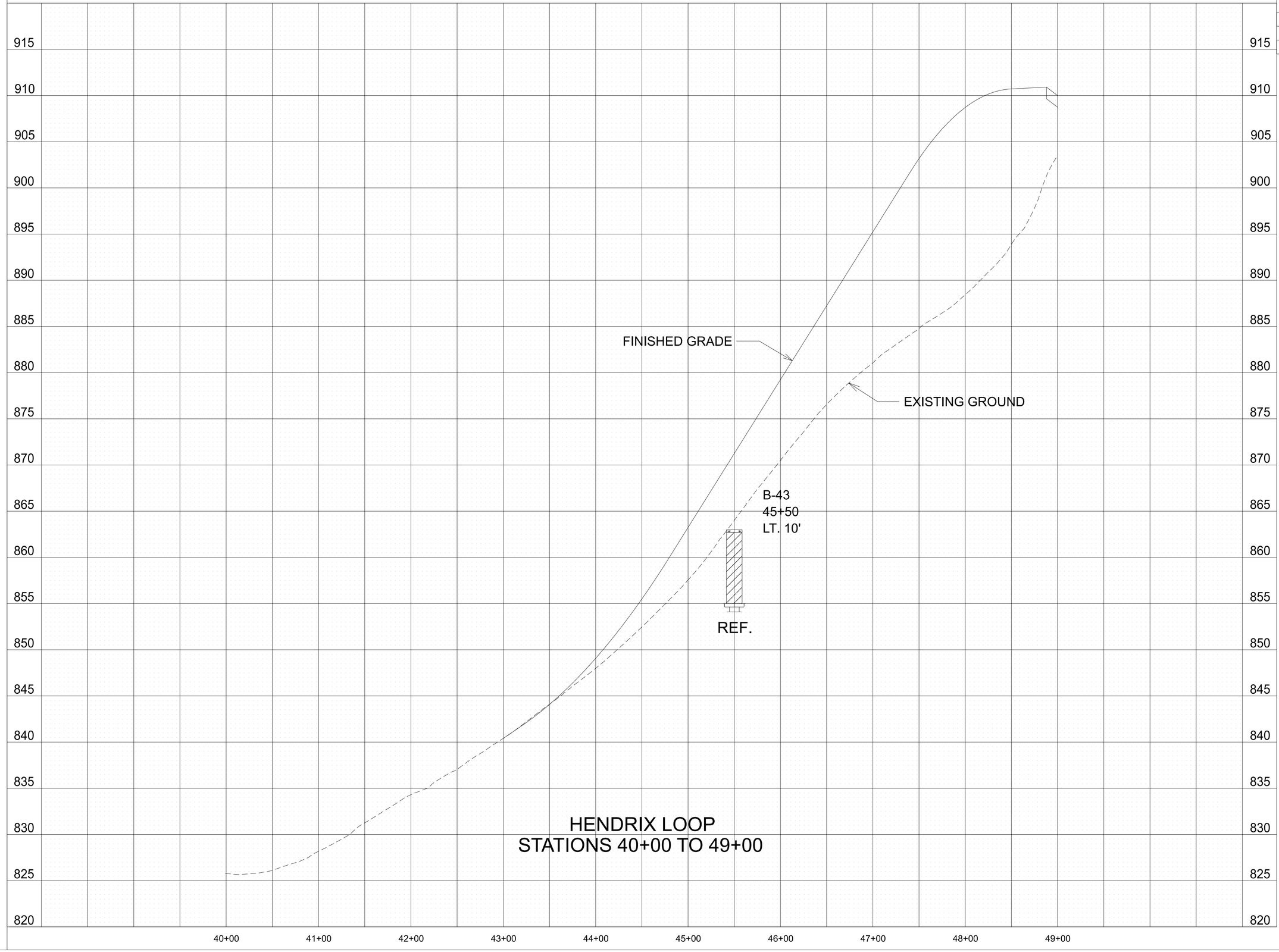
GEOTECHNICAL
BORING PROFILE

CELL MGRID
$$$$$SYYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-30
PS&E	2026	R-STP-322(15)	G-30



HENDRIX LOOP
STATIONS 40+00 TO 49+00

LEGEND

- TOPSOIL
- CLAY (TYPE A MATERIAL)
- LIMESTONE (TYPE B MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.
REF.= AUGER REFUSAL

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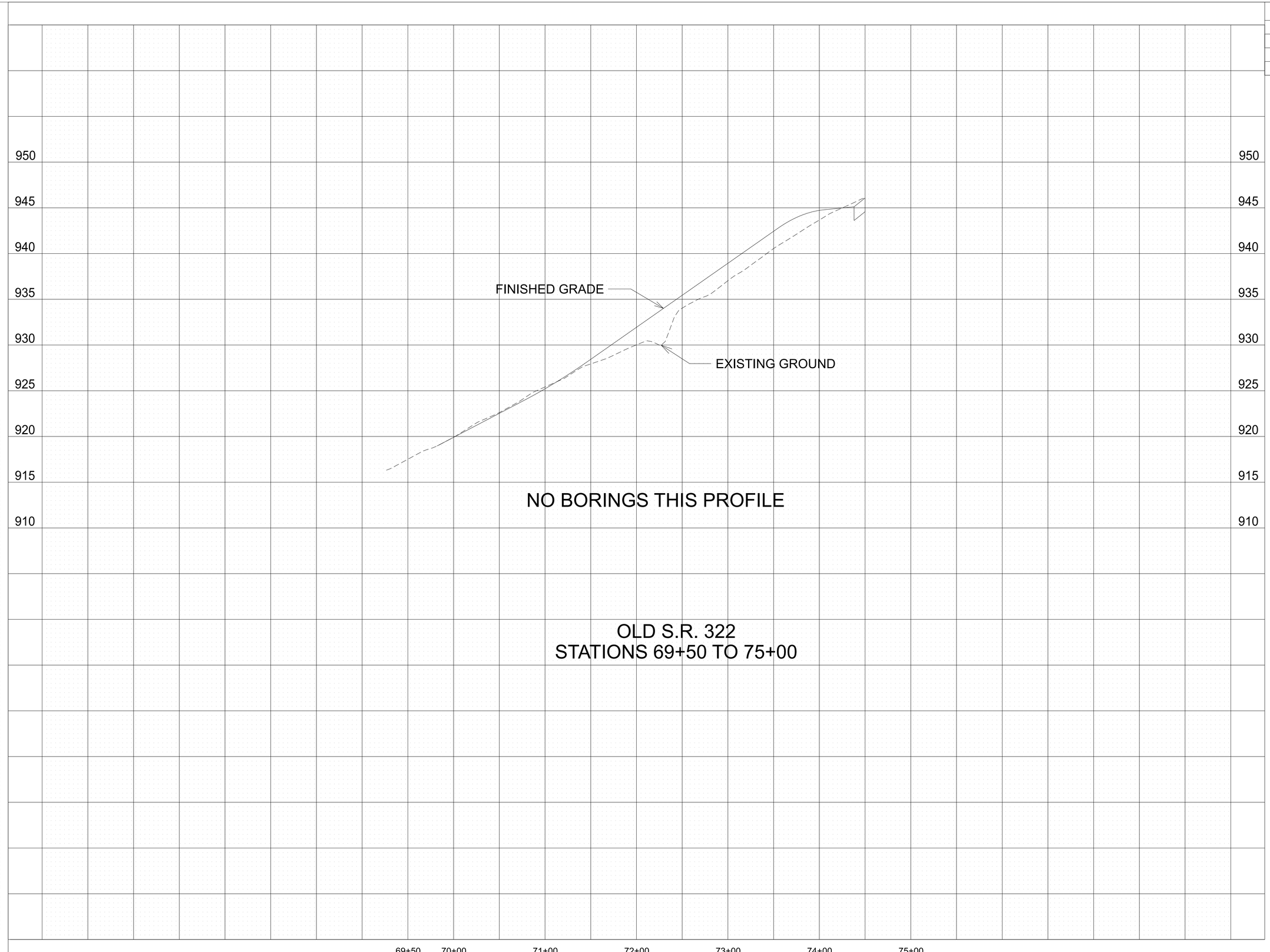
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING
PROFILE

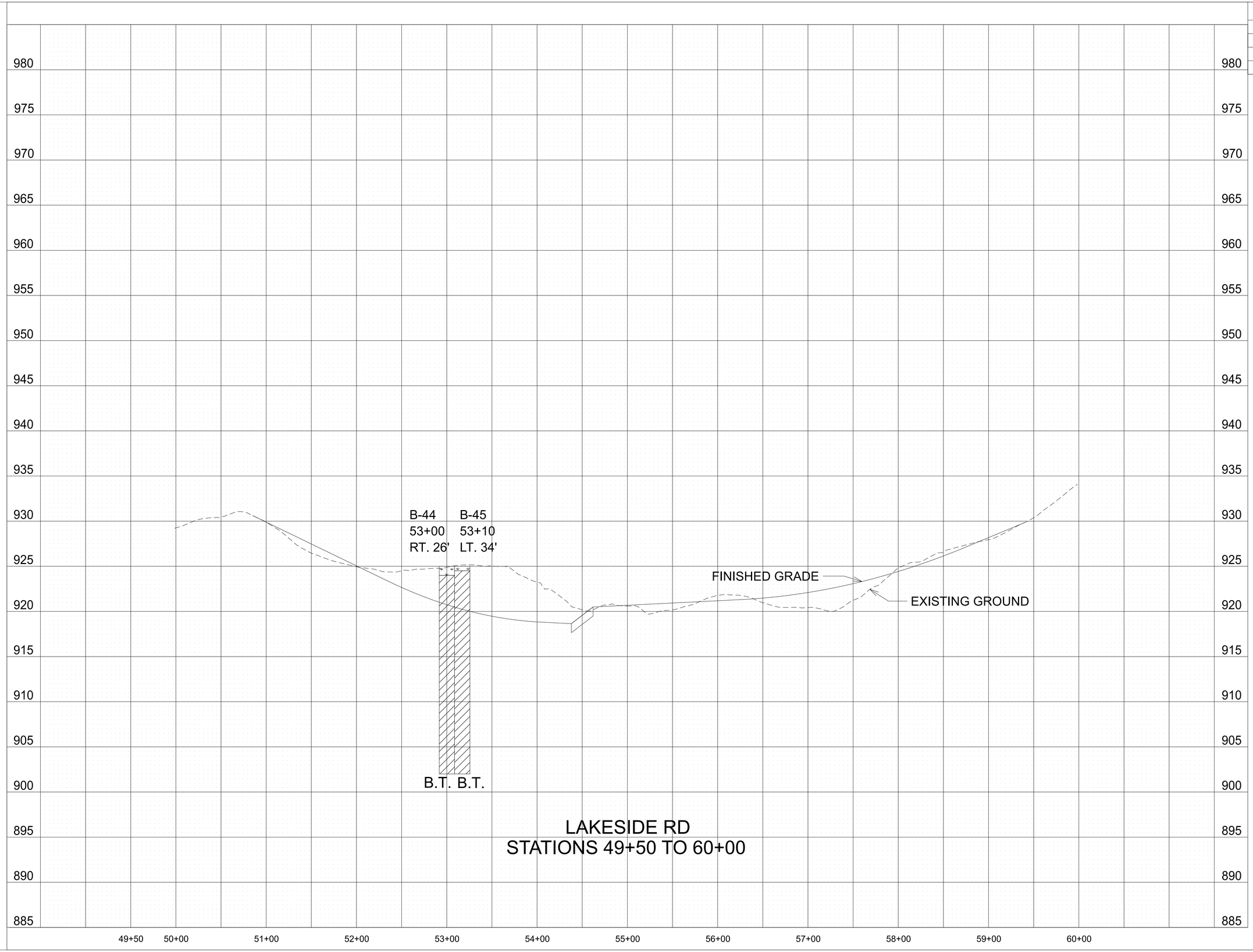
CELL MGRID
$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-31
PS&E	2026	R-STP-322(15)	G-31



$$$$$SYTIME$$$$$$$
$$$$DGNSPECS$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-32
PS&E	2026	R-STP-322(15)	G-32



LAKESIDE RD
STATIONS 49+50 TO 60+00

LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

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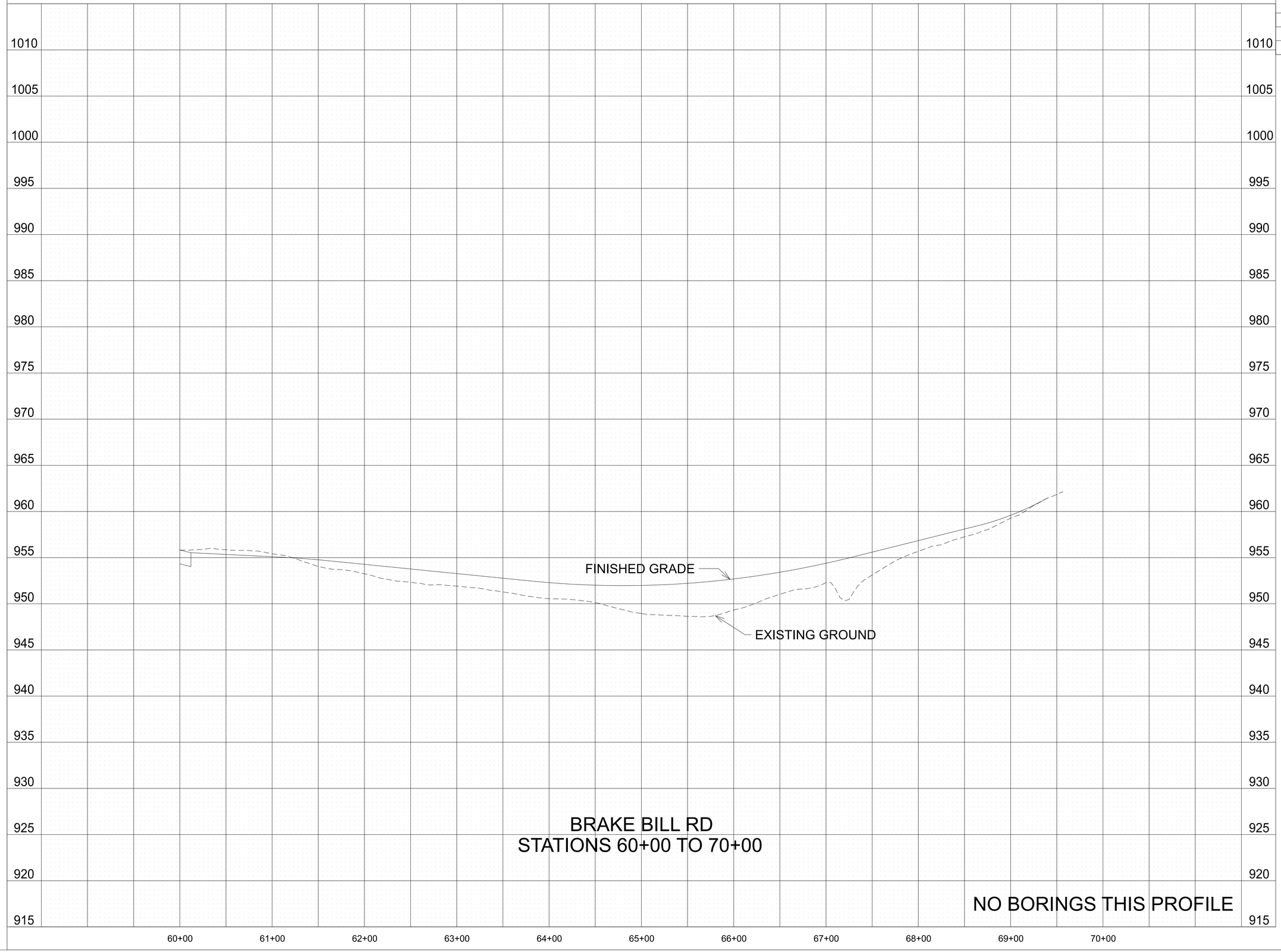
02/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-33
PS&E	2026	R-STP-322(15)	G-33



BRAKE BILL RD
STATIONS 60+00 TO 70+00

NO BORINGS THIS PROFILE

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02/24/2026

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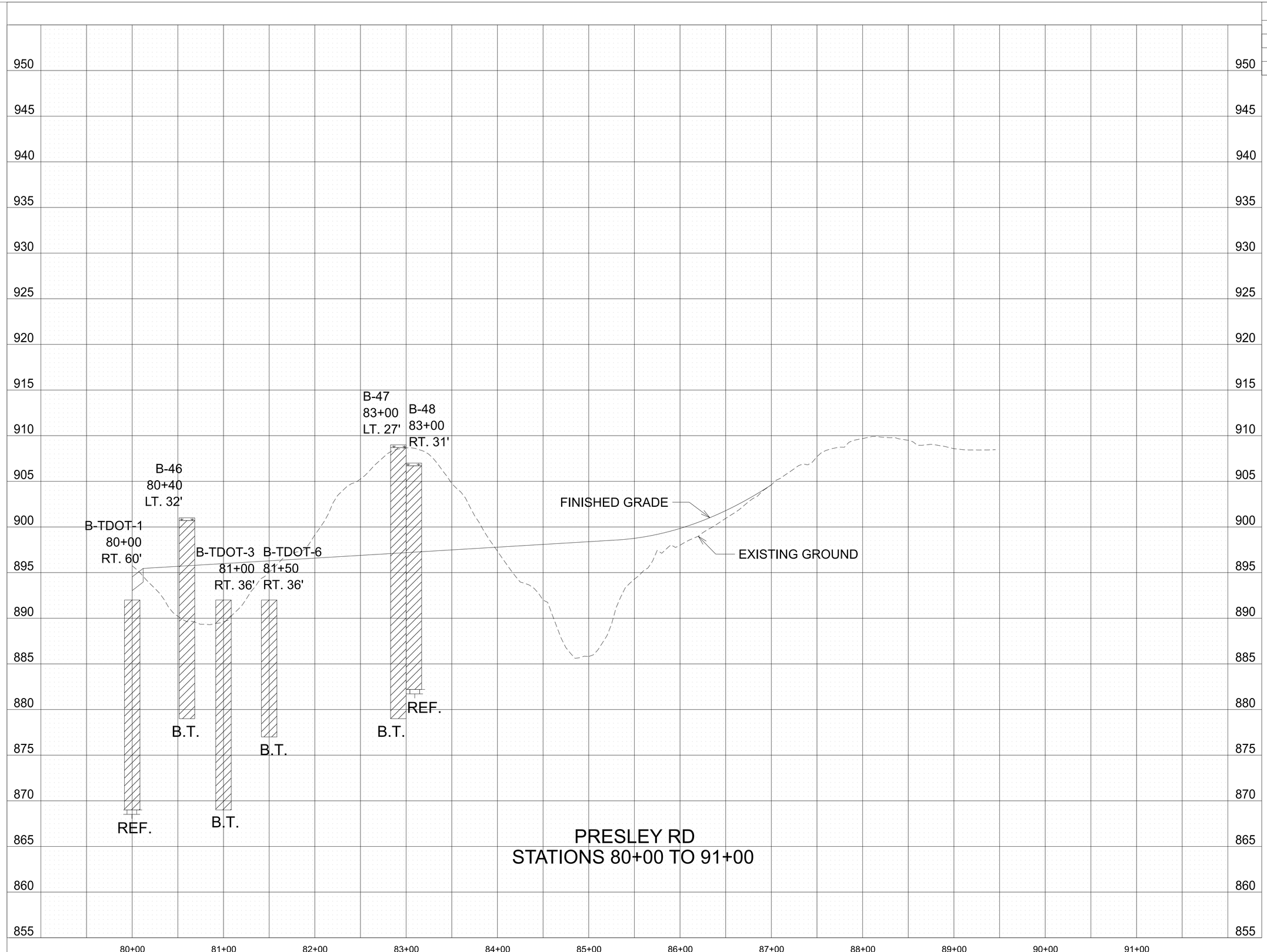
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING
PROFILE

$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-34
PS&E	2026	R-STP-322(15)	G-34



LEGEND

- TOPSOIL
- CLAY (TYPE A MATERIAL)
- LIMESTONE (TYPE B MATERIAL)

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

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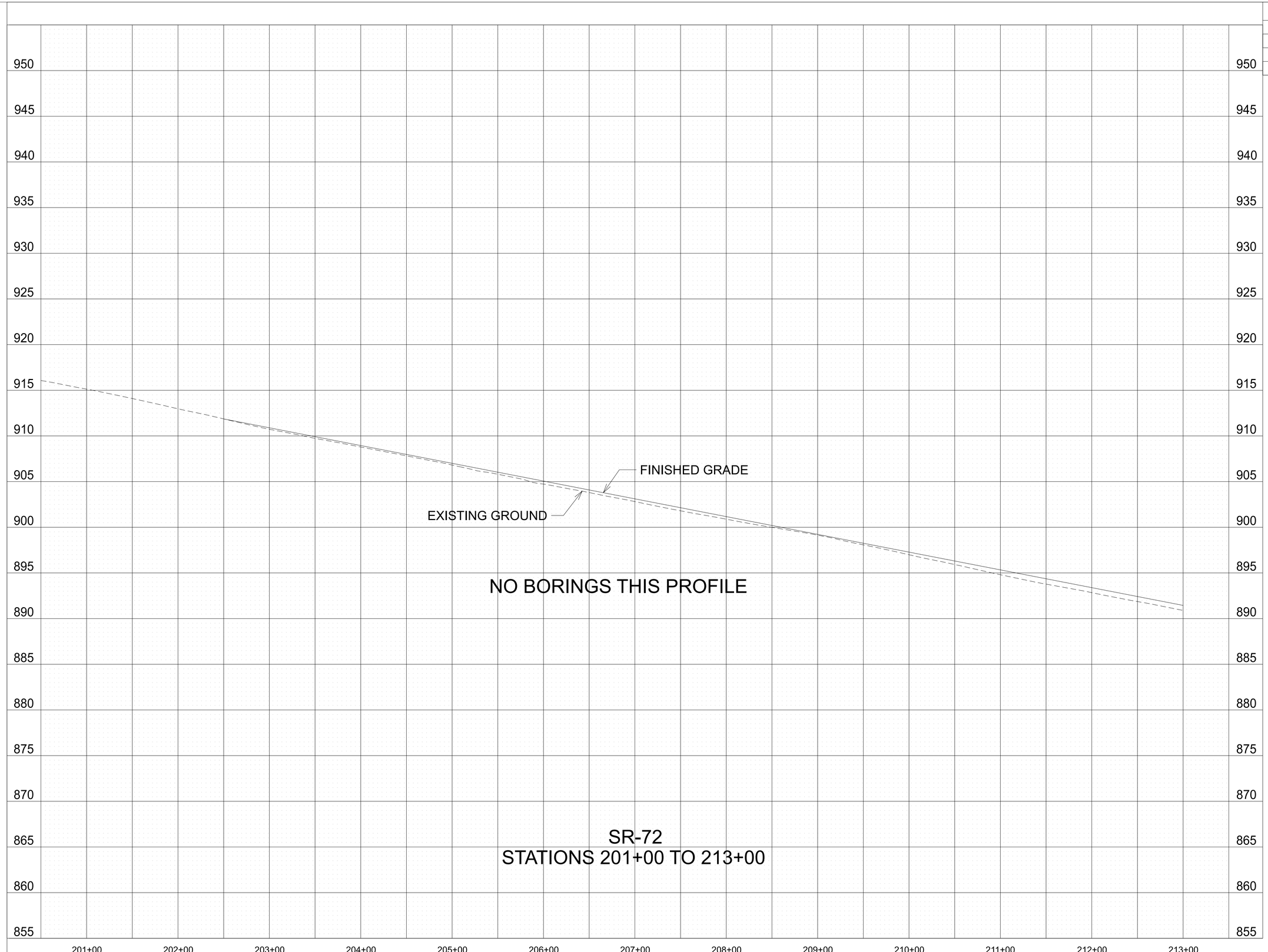
Lori Ann Fiorentino
02/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING PROFILE

CELL MGRID
$$$$$SYTTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-35
PS&E	2026	R-STP-322(15)	G-35



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Lori Ann Fiorentino

02/24/2026

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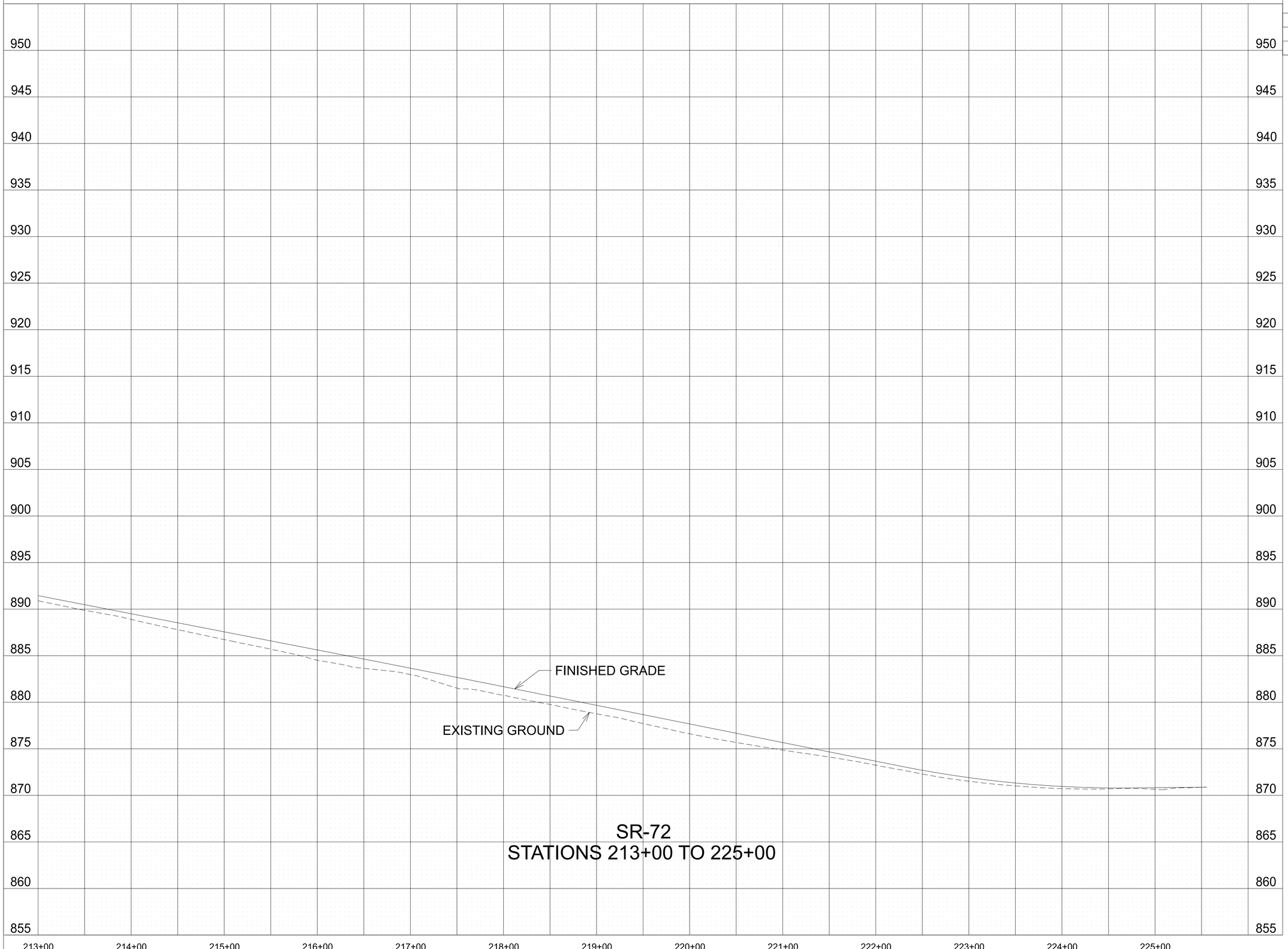
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING
PROFILE

CELL MGRID
$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-36
PS&E	2026	R-STP-322(15)	G-36



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02/24/2026

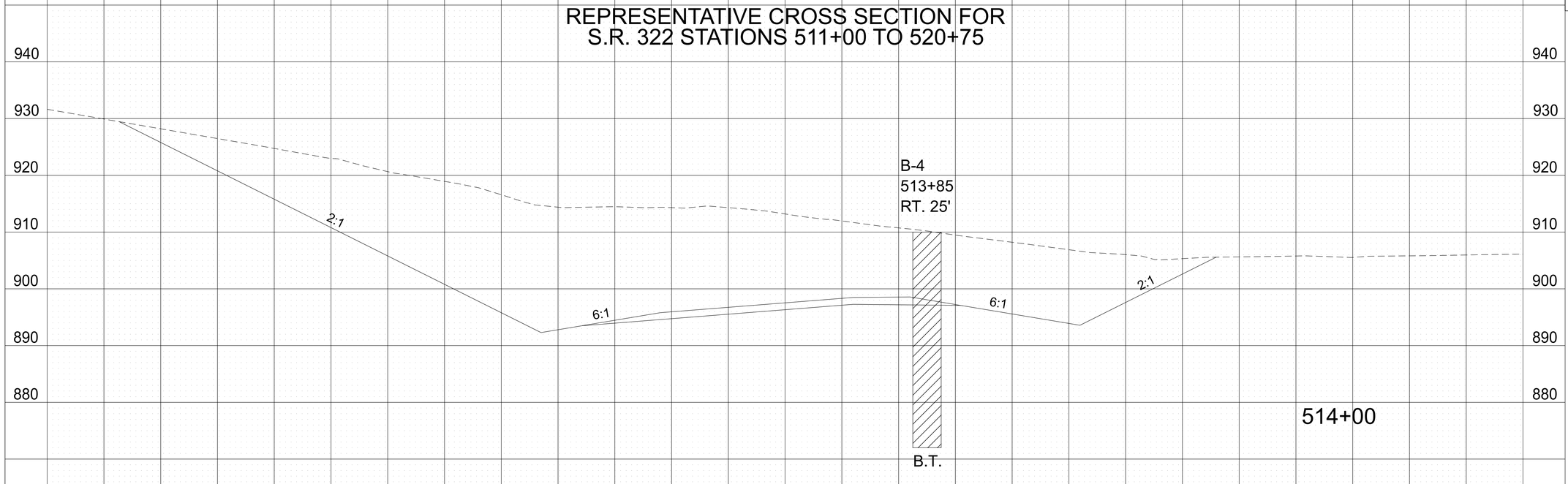
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
BORING
PROFILE

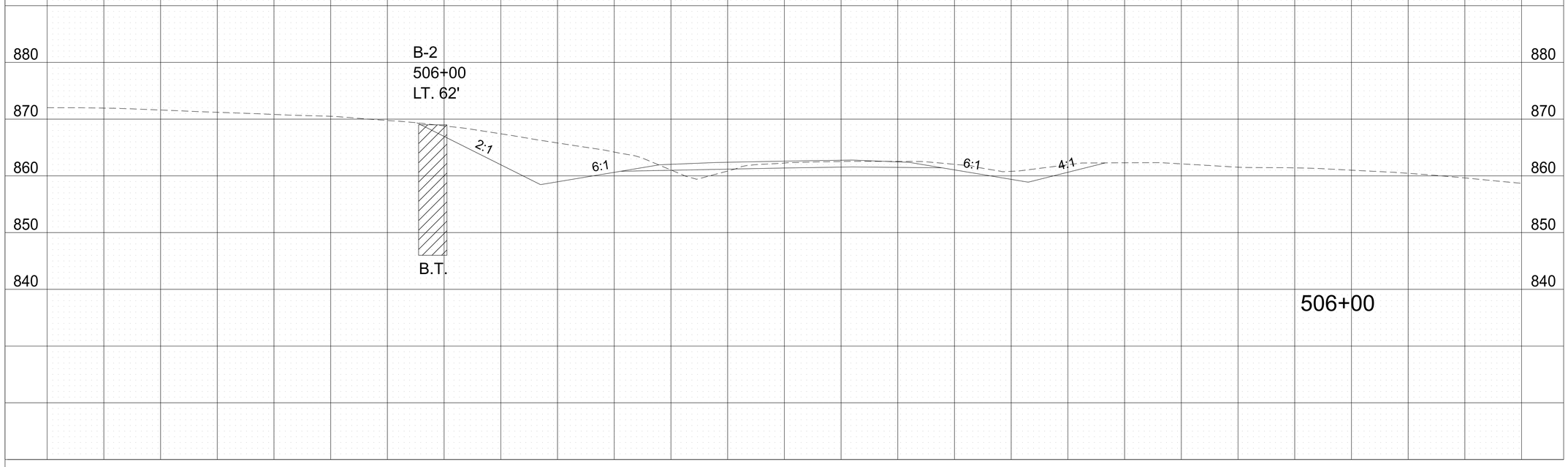
CELL MGRID
$$$$$SYTIME$$$$$$$$
$$$$DGNSPEC$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-37
PS&E	2026	R-STP-322(15)	G-37

REPRESENTATIVE CROSS SECTION FOR S.R. 322 STATIONS 511+00 TO 520+75



REPRESENTATIVE CROSS SECTION FOR S.R. 322 STATIONS 500+00 TO 511+00



LEGEND

CLAY (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

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02/24/2026

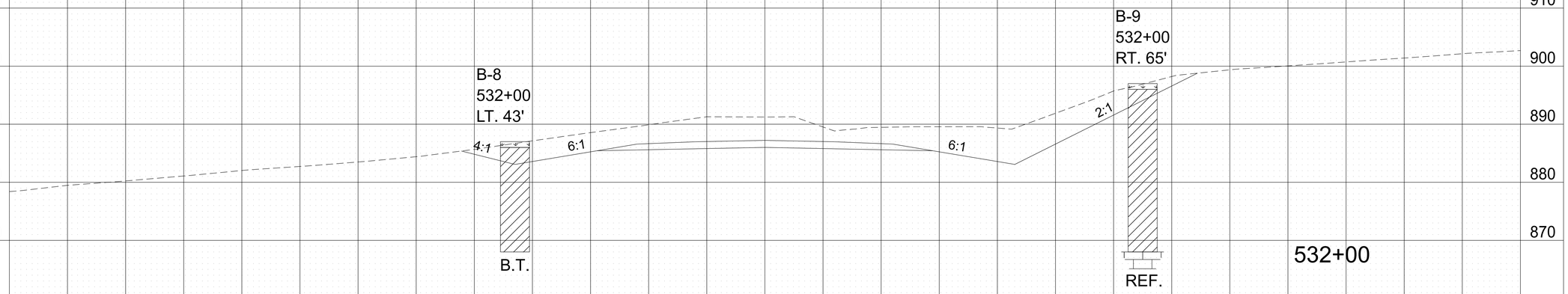
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

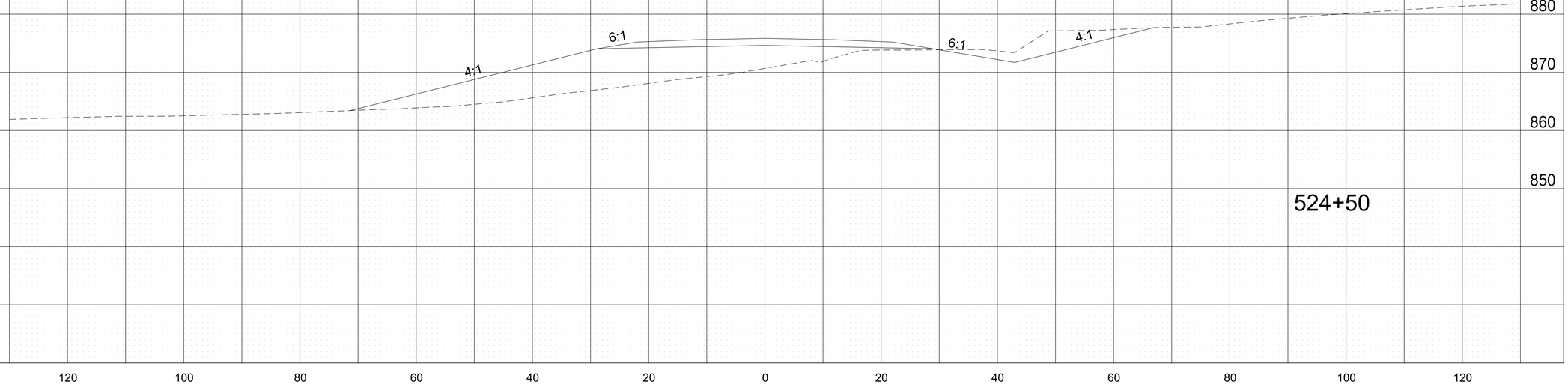
CELL MGRID
$$$$$SYTTIME$$$$$$$
$$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-38
PS&E	2026	R-STP-322(15)	G-38

REPRESENTATIVE CROSS SECTION FOR S.R. 322 STATIONS 529+00 TO 546+50



REPRESENTATIVE CROSS SECTION FOR S.R. 322 STATIONS 520+75 TO 529+00



LEGEND

- TOPSOIL
- CLAY (TYPE A MATERIAL)
- LIMESTONE (TYPE B MATERIAL)

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

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02/24/2026

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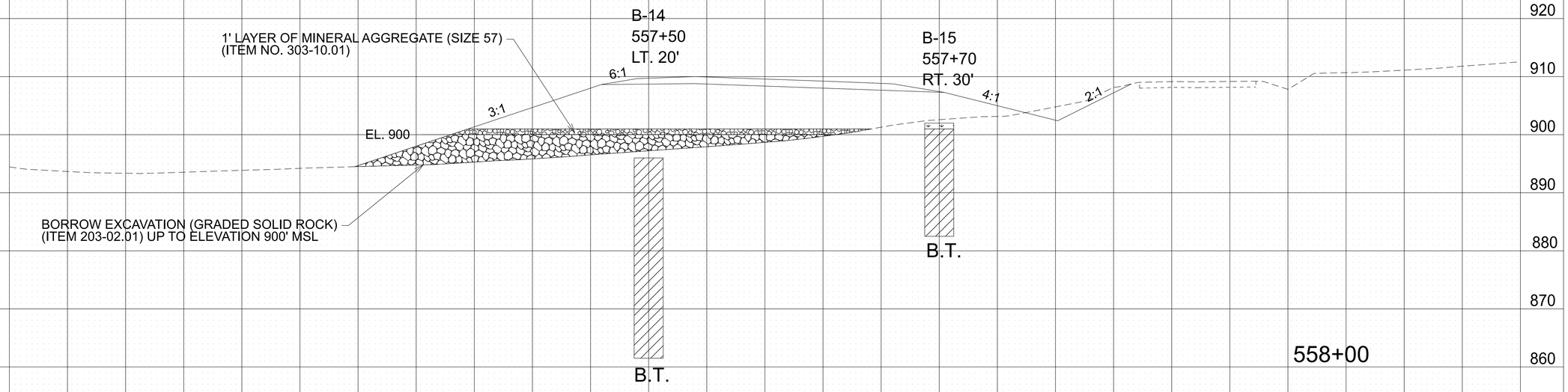
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

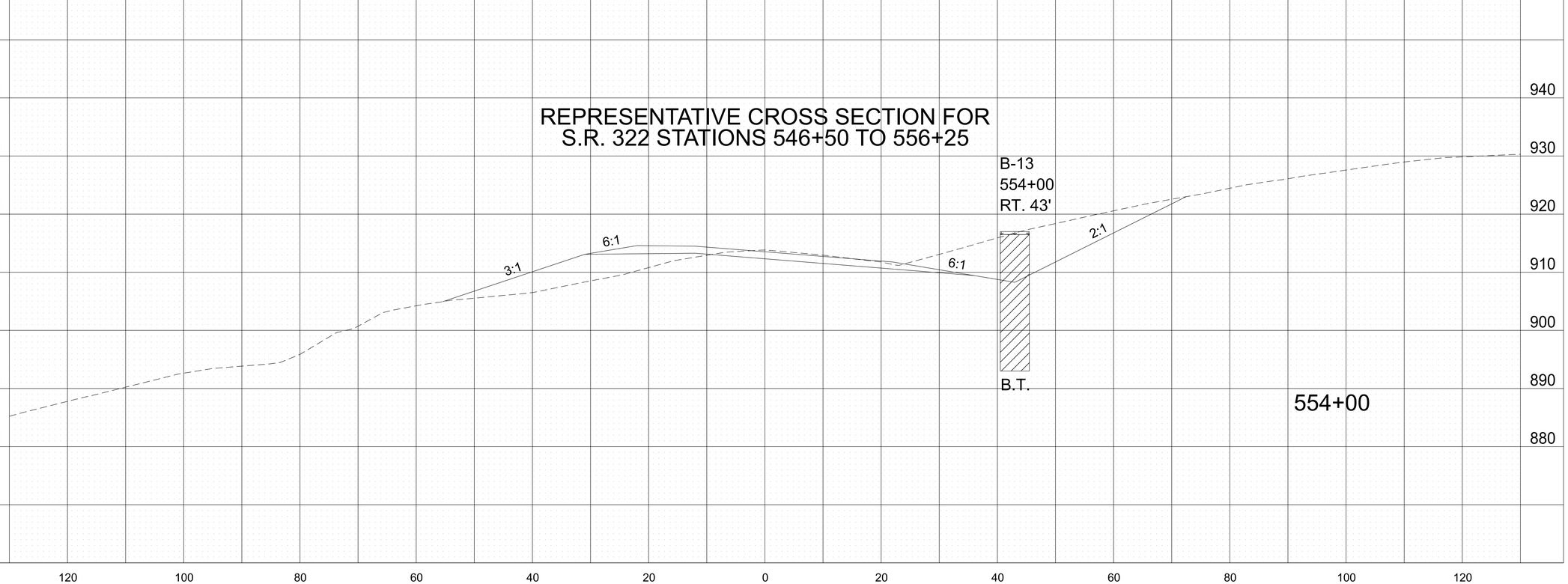
CELL MGRID
$$$$$SYYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-39
PS&E	2026	R-STP-322(15)	G-39

REPRESENTATIVE CROSS SECTION FOR S.R. 322 STATIONS 556+25 TO 558+75



REPRESENTATIVE CROSS SECTION FOR S.R. 322 STATIONS 546+50 TO 556+25



LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

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Lori Ann Fiorentino

02/24/2026

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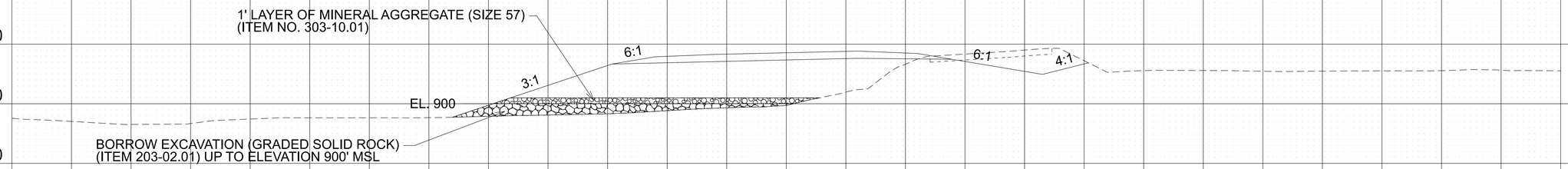
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

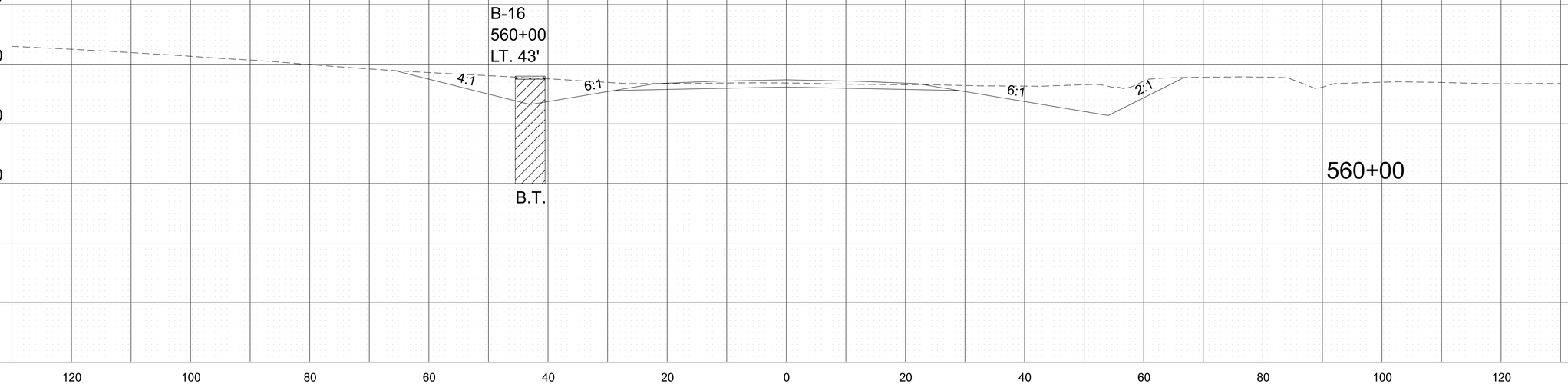
CELL MGRID
$$$$$SYTIME$$$$$$$$
$$$$DGNSPEC$$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-40
PS&E	2026	R-STP-322(15)	G-40

REPRESENTATIVE CROSS SECTION FOR S.R. 322 STATIONS 562+90 TO 565+00



REPRESENTATIVE CROSS SECTION FOR S.R. 322 STATIONS 558+75 TO 562+90



LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

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Lori Ann Fiorentino
02/24/2026

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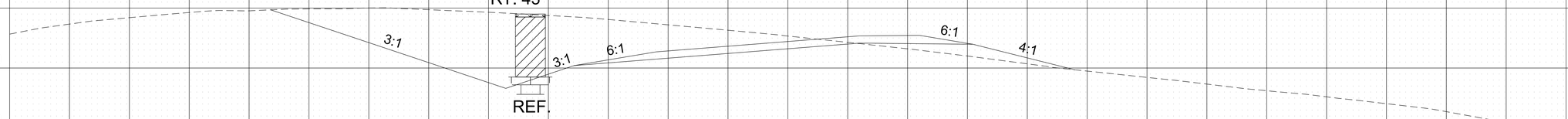
GEOTECHNICAL
TYPICAL SECTIONS

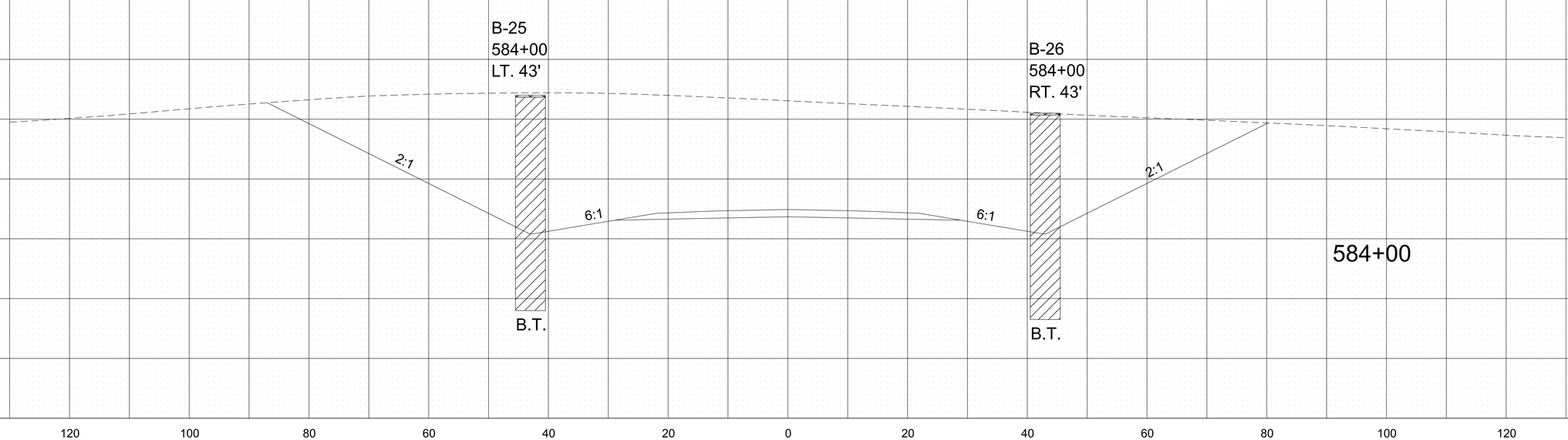
CELL MGRID
$$$$$SYTTIME$$$$$$$
$$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-41
PS&E	2026	R-STP-322(15)	G-41

REPRESENTATIVE CROSS SECTION FOR S.R. 322 STATIONS 586+75 TO 592+50



REPRESENTATIVE CROSS SECTION FOR S.R. 322 STATIONS 565+00 TO 586+75



LEGEND

- TOPSOIL
- CLAY (TYPE A MATERIAL)
- LIMESTONE (TYPE B MATERIAL)

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

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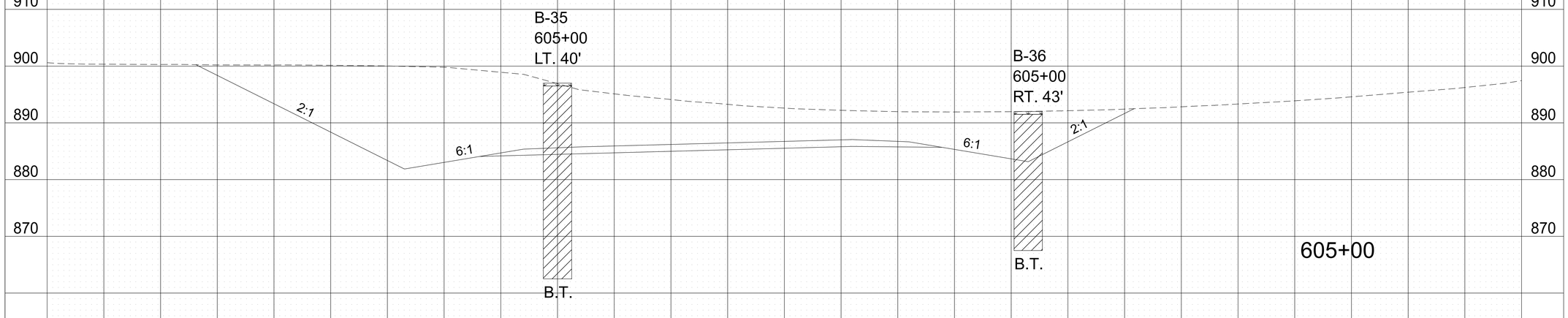
GEOTECHNICAL
TYPICAL SECTIONS

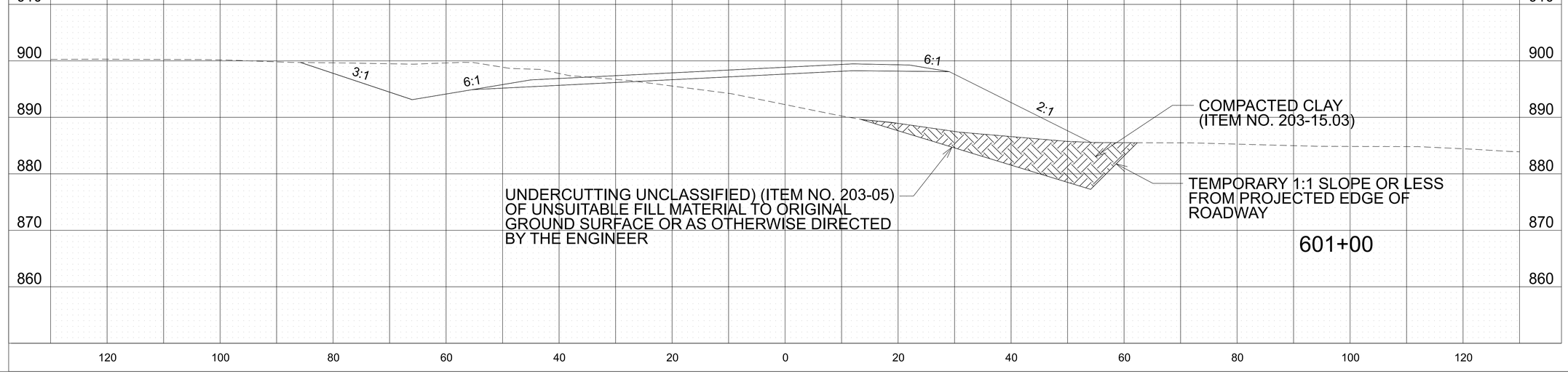
CELL MGRID
$$$$SYTIMES$$$$$$
$$$$DGNSPECS$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-42
PS&E	2026	R-STP-322(15)	G-42

REPRESENTATIVE CROSS SECTION FOR S.R. 322 STATIONS 602+25 TO 619+50



REPRESENTATIVE CROSS SECTION FOR S.R. 322 STATIONS 600+75 TO 602+25



LEGEND

TOPSOIL

CLAY (TYPE A MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.

B.T.= BORING TERMINATED

SEALED BY

LORI ANN FIORENTINO
REGISTERED ENGINEER
AGRICULTURE
COMM. RC
STATE OF TENNESSEE
Lori Ann Fiorentino
02/24/2026

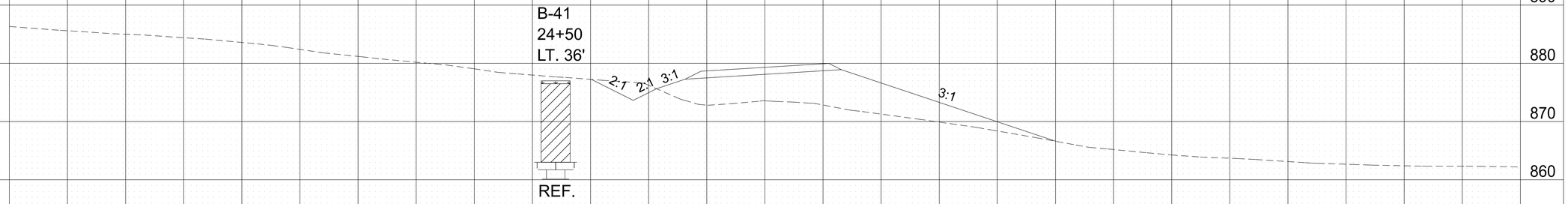
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

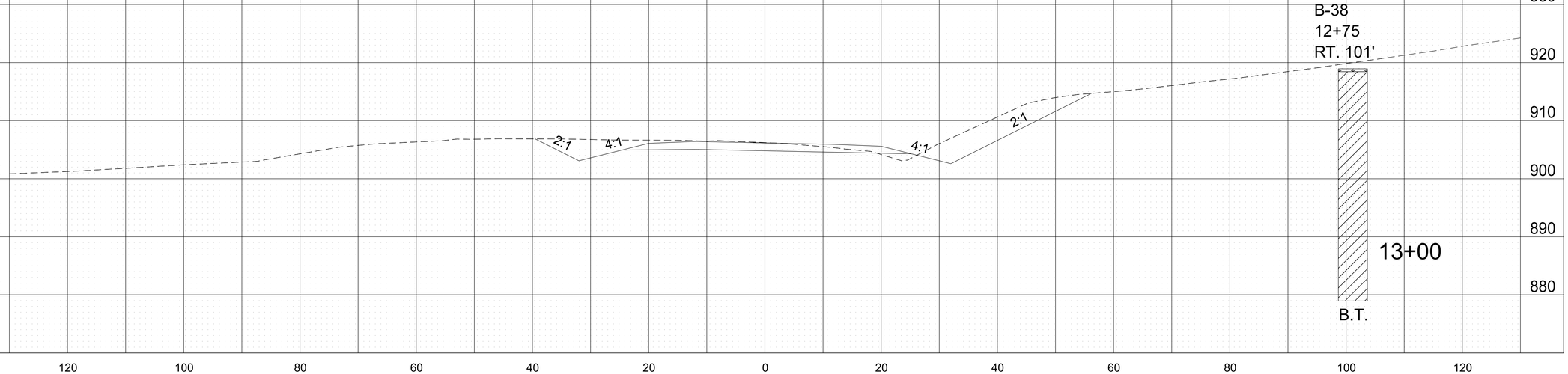
CELL MGRID
$$$$$SYTTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-43
PS&E	2026	R-STP-322(15)	G-43

REPRESENTATIVE CROSS SECTION FOR HENDRIX LOOP WEST STATIONS 20+35 TO 26+00



REPRESENTATIVE CROSS SECTION FOR OAK GROVE ROAD STATIONS 10+00 TO 14+00



LEGEND

- TOPSOIL
- CLAY (TYPE A MATERIAL)
- LIMESTONE (TYPE B MATERIAL)

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

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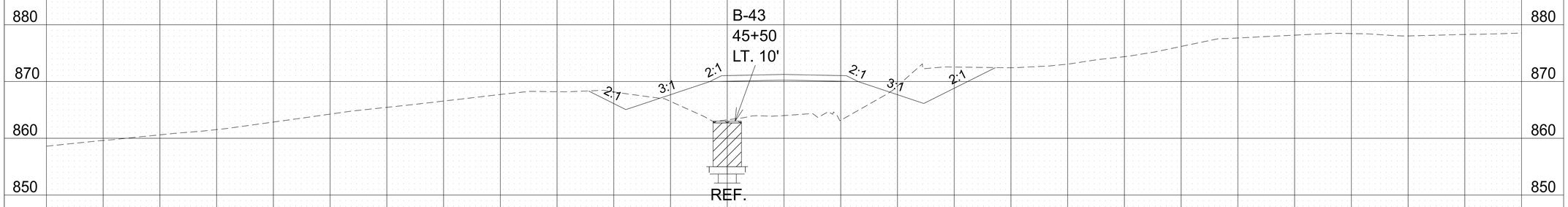
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

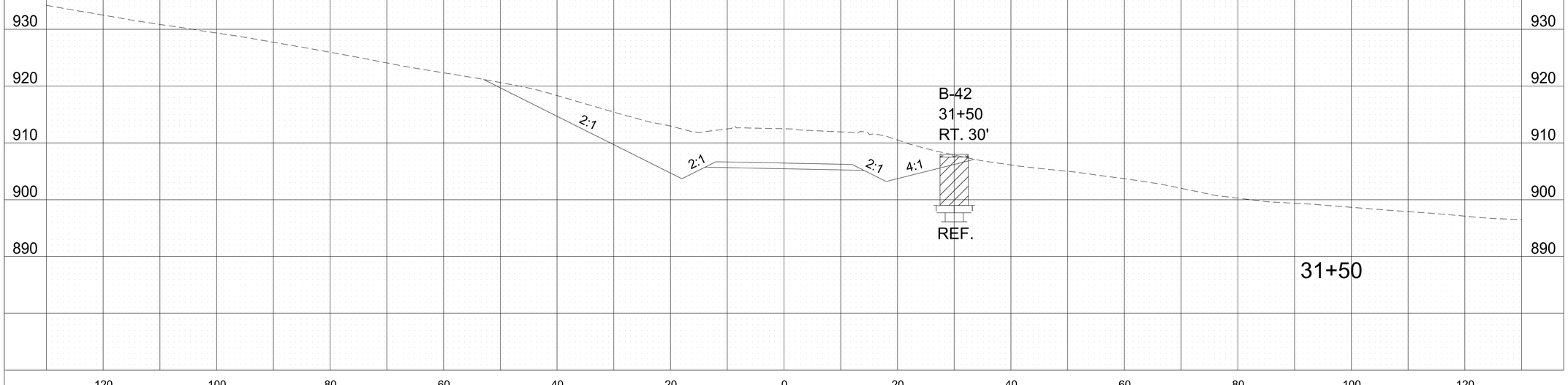
CELL MGRID
$$$$$SYTTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-44
PS&E	2026	R-STP-322(15)	G-44

REPRESENTATIVE CROSS SECTION FOR HENDRIX LOOP EAST STATIONS 43+00 TO 49+00



REPRESENTATIVE CROSS SECTION FOR CANDI LANE STATIONS 30+00 TO 34+00



LEGEND

- TOPSOIL
- CLAY (TYPE A MATERIAL)
- LIMESTONE (TYPE B MATERIAL)

TYPE MATERIAL-SEE DEFINITION OF EARTHWORK TERMS ON NOTES AND GEOTECHNICAL EST. QTYS. SHEET.
REF.= AUGER REFUSAL

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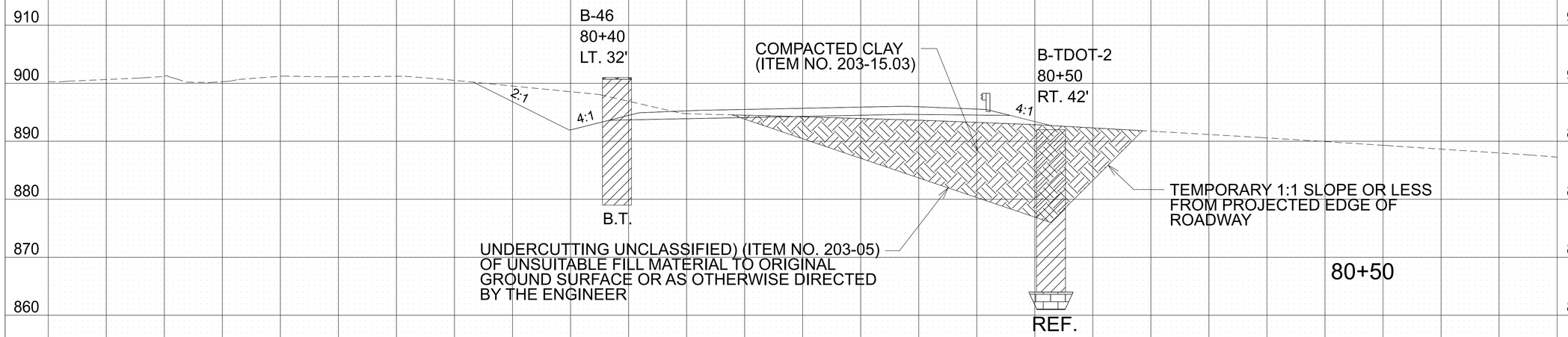
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

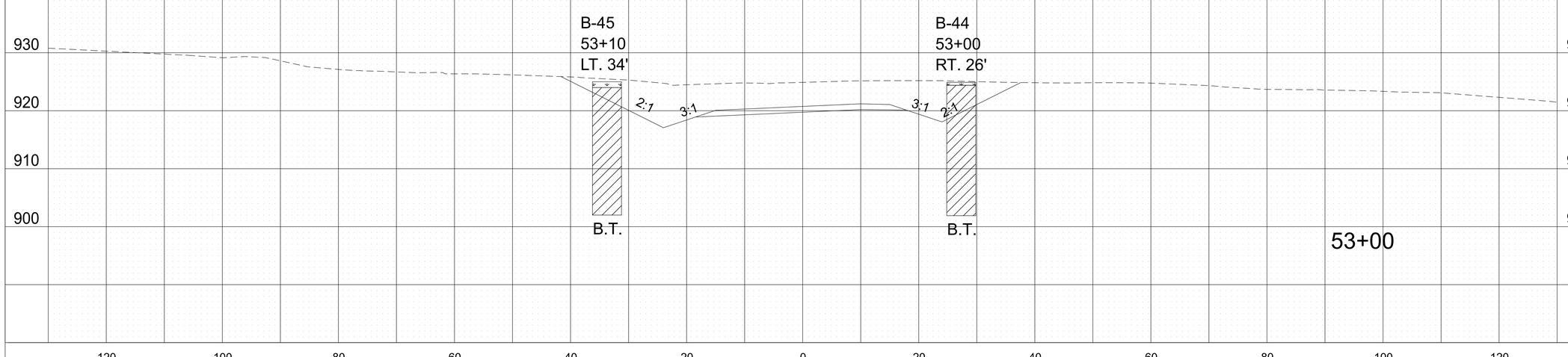
CELL MGRID
$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-45
PS&E	2026	R-STP-322(15)	G-45

REPRESENTATIVE CROSS SECTION FOR PRESLEY ROAD STATIONS 80+00 TO 81+75



REPRESENTATIVE CROSS SECTION FOR LAKESIDE ROAD STATIONS 50+86 TO 59+40



LEGEND

- TOPSOIL
- CLAY (TYPE A MATERIAL)
- LIMESTONE (TYPE B MATERIAL)

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

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Lori Ann Fiorentino
02/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL
TYPICAL SECTIONS

CELL MGRID
$$$$$SYTIME$$$$$$$
$$$$DGNSPEC$$$$$$$

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-46
PS&E	2026	R-STP-322(15)	G-46

REPRESENTATIVE CROSS SECTION FOR PRESLEY ROAD STATIONS 84+75 TO 85+25

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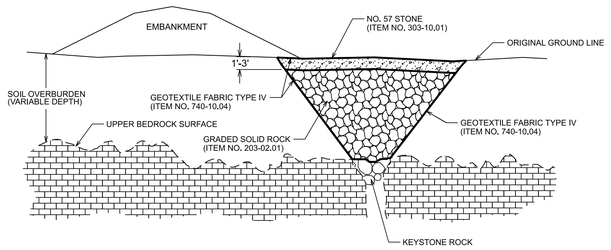
02/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

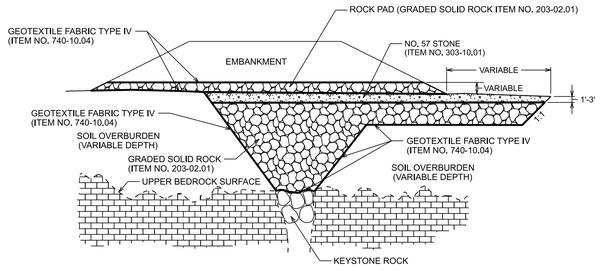
GEOTECHNICAL
TYPICAL SECTIONS

CELL MGRID
$$$$SYTIME$$$$$$$$
$$$$DGNSPEC$$$$$$$$

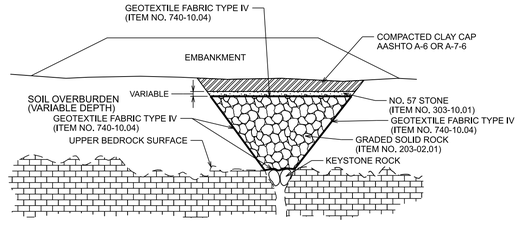
TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2025	R-STP-322(15)	G-47
PS&E	2026	R-STP-322(15)	G-47



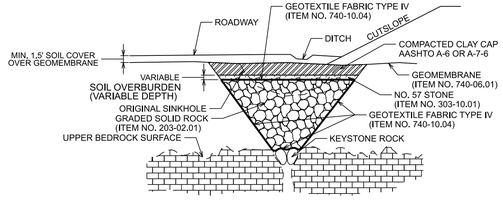
SINKHOLE TREATMENT 1
VARIABLE



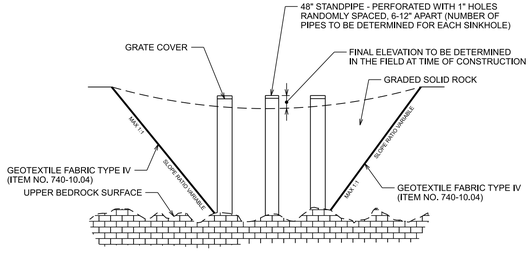
SINKHOLE TREATMENT 1A
VARIABLE



SINKHOLE TREATMENT 2



SINKHOLE TREATMENT 2A
VARIABLE



SINKHOLE TREATMENT 3

SINKHOLE TREATMENT 1, ACTIVE

NOTE:
AFTER EXCAVATION IS COMPLETE AND ROCK OPENING IS EXPOSED, THE SITE AND TREATMENT METHOD SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS. THE TOP 1-3 FT. OF MATERIAL SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS.

SEQUENCE OF CONSTRUCTION:

1. EXCAVATE SINKHOLE TO DEFINE OPENING IN BEDROCK MAKING SURE TO REMOVE ALL SOILS AND DEBRIS.
2. FIT THE OPENING WITH KEYSTONE ROCK, WHICH SHALL BE OF SUFFICIENT SIZE TO LOCK IN PLACE WITHOUT CREATING AN AIRBLOCK TO SUBSURFACE DRAINANGE.
3. PLACE THE GEOTEXTILE FABRIC TYPE IV ON EXCAVATED SLOPES AND BASE OF SINKHOLE.
4. BACKFILL TO A MAXIMUM OF 1 FT. OF THE SPECIFIED GRADE WITH GRADED SOLID ROCK (CLASSIFICATION 203-02.01 BORROW EXCAVATION).
5. BACKFILL TO GRADE WITH A MINIMUM OF 1FT. OF NO. 57 STONE ON TOP OF THE GRADED SOLID ROCK AND GEOTEXTILE FABRIC TYPE IV.

SINKHOLE TREATMENT 1A, ACTIVE

NOTE:
AFTER EXCAVATION IS COMPLETE AND ROCK OPENING IS EXPOSED, THE SITE AND TREATMENT METHOD SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS. THE TOP 1-3 FT. OF MATERIAL SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS.

SEQUENCE OF CONSTRUCTION:

1. EXCAVATE SINKHOLE TO DEFINE OPENING IN BEDROCK MAKING SURE TO REMOVE ALL SOILS AND DEBRIS.
2. FIT THE OPENING WITH KEYSTONE ROCK, WHICH SHALL BE OF SUFFICIENT SIZE TO LOCK IN PLACE WITHOUT CREATING AN AIRBLOCK TO SUBSURFACE DRAINAGE.
3. PLACE THE GEOTEXTILE FABRIC TYPE IV ON EXCAVATED SLOPES AND BASE OF SINKHOLE.
4. BACKFILL TO WITHIN 1.5-3 FT. OF THE SPECIFIED GRADE WITH GRADED SOLID ROCK (CLASSIFICATION 203-02.01 BORROW EXCAVATION).
5. PLACE THE GEOTEXTILE FABRIC TYPE IV ON TOP OF GRADED SOLID ROCK.
6. BACKFILL TO GRADE WITH NO. 57 STONE.
7. CONSTRUCT EMBANKMENT INCLUDING ANY REQUIRED ROCK PAD IN ACCORDANCE WITH CONTRACT PLANS AND CROSS-SECTIONS.

SINKHOLE TREATMENT 2 AND 2A, INACTIVE

NOTE:
AFTER EXCAVATION IS COMPLETE AND ROCK OPENING IS EXPOSED, THE SITE AND TREATMENT METHOD SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS. ANY CHANGE IN THE NO. 57 STONE FILL OR THE CLAY CAP SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS.

SEQUENCE OF CONSTRUCTION:

1. EXCAVATE SINKHOLE TO DEFINE OPENING IN BEDROCK MAKING SURE TO REMOVE ALL SOIL AND DEBRIS.
2. FIT THE OPENING WITH KEYSTONE ROCK, WHICH SHALL BE OF SUFFICIENT SIZE TO LOCK IN PLACE WITHOUT CREATING AN AIRBLOCK TO SUBSURFACE DRAINAGE.
3. PLACE THE GEOTEXTILE FABRIC TYPE IV ON EXCAVATED SLOPES AND BASE OF SINKHOLE.
4. BACKFILL WITH GRADED SOLID ROCK (CLASSIFICATION 203-02.01 BORROW EXCAVATION) UP TO SPECIFIED GRADE.
5. PLACE THE GEOTEXTILE FABRIC TYPE IV ON TOP OF GRADED SOLID ROCK. PLACE NO. 57 STONE ON TOP OF GEOTEXTILE FABRIC.
6. CONSTRUCT COMPACTED CLAY CAP. SOIL SHOULD BE OF TYPE AASHTO A-6 OR A-7-6.

FOR 2A INACTIVE ONLY:

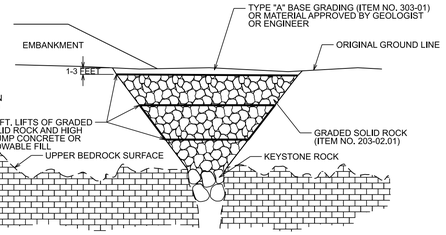
7. PLACE GEOMEMBRANE ON TOP OF SOIL CAP BEFORE CONSTRUCTION OF ANY OVERLYING STRUCTURES OR EMBANKMENTS. THERE SHOULD BE A MINIMUM OF 1.5 FT. OF SOIL PLACED OVER THE MEMBRANE.
8. DITCH SHOULD BE PAVED OR LINED WITH A GEOMEMBRANE.

SINKHOLE TREATMENT 3, ACTIVE

NOTE:
AFTER EXCAVATION IS COMPLETE AND ROCK IS EXPOSED, THE SITE AND TREATMENT METHOD SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS.

SEQUENCE OF CONSTRUCTION:

1. EXCAVATE SOIL DOWN TO BEDROCK OR TO LIMITS SPECIFIED BY THE ENGINEER OR GEOLOGIST.
2. LOCATE ALL OPENINGS WITHIN THE PITS, REMOVE ALL LOOSENED MATERIAL. ALL EXCAVATED MATERIALS SHALL BE REMOVED FROM THE BASIN.
3. INSTALL 48" DIAMETER VERTICAL STANDPIPES OVER THE LOCATED OPENINGS. THESE PIPES SHOULD BE PERFORATED FOR AT LEAST THE LOWER 5 FT. WITH 1" HOLES SPACED 6-12" APART.
4. PLACE GEOTEXTILE FABRIC TYPE IV AS SHOWN OR AS DIRECTED BY THE ENGINEER OR GEOLOGIST TO PREVENT THE LATERAL INFLOW OF FINES.
5. BACKFILL WITH A GRADED SOLID ROCK (203-02.01) TO A HEIGHT OF 3.5 FT. BELOW THE TOP OF THE STANDPIPE.
6. THE GRADED SOLID ROCK SHALL BE PLACED WITH A CLAMSHELL. NO END DUMPING WILL BE PERMITTED.



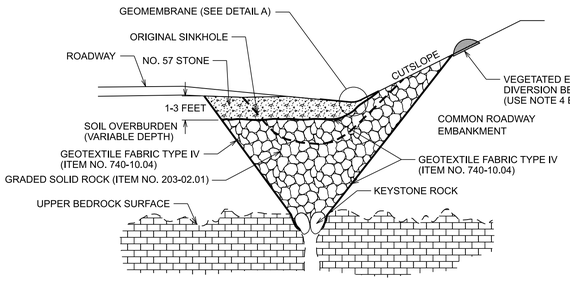
SINKHOLE TREATMENT 4, ACTIVE

NOTE:
AFTER EXCAVATION IS COMPLETE AND ROCK OPENING IS EXPOSED, THE SITE AND TREATMENT METHOD SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS. ANY CHANGE IN THE NO. 57 STONE FILL SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS.

SEQUENCE OF CONSTRUCTION:

1. EXCAVATE SINKHOLE TO DEFINE OPENING IN BEDROCK MAKING SURE TO REMOVE ALL SOIL AND DEBRIS.
2. FIT THE OPENING WITH KEYSTONE ROCK, WHICH SHALL BE OF SUFFICIENT SIZE TO LOCK IN PLACE WITHOUT CREATING AN AIR BLOCK TO SUBSURFACE DRAINAGE.
3. ALTERNATE LAYERS OF GRADED SOLID ROCK (CLASSIFICATION 203-02.01 BORROW EXCAVATION) 3-5 FT. IN DEPTH AND HIGH SLUMP CONCRETE (OR FLOWABLE FILL). HIGH SLUMP CONCRETE SHALL BE CONCRETE WITH A SLUMP OF 7-9".

   HIGH SLUMP CONCRETE OR FLOWABLE FILL SHALL BE APPLIED AFTER A LAYER OF GRADED SOLID ROCK UNTIL THE CONCRETE (OR FLOWABLE FILL) JUST COVERS THE GRADED SOLID ROCK LAYER. THE NEXT LAYER OF GRADED SOLID ROCK SHALL BE PLACED IMMEDIATELY AFTER THE PLACEMENT OF THE CONCRETE (OR FLOWABLE FILL). THE PURPOSE OF THIS IS TO INTERMIX THE MATERIALS. THE WORK SHALL NOT BE INTERRUPTED AFTER THE PLACEMENT OF CONCRETE (OR FLOWABLE FILL) EXCEPT FOR THE TOP LAYER. IF WORK CANNOT BE FINISHED IN A SPECIFIED INTERVAL, WORK MAY BE STOPPED ONLY AFTER A COMPLETE LAYER OF GRADED SOLID ROCK HAS BEEN PLACED.
4. AFTER THE FINAL LAYER OF CONCRETE (OR FLOWABLE FILL) HAS BEEN SET, BACKFILL TO GRADE WITH TYPE "A" BASE GRADING (ITEM NO. 303-01) OR OTHER MATERIAL APPROVED BY THE ENGINEER OR GEOLOGIST.



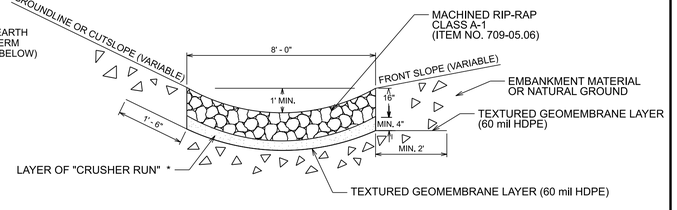
SINKHOLE TREATMENT 5, ACTIVE

NOTE:
AFTER EXCAVATION IS COMPLETE AND ROCK OPENING IS EXPOSED, THE SITE AND TREATMENT METHOD SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS. ANY CHANGE IN THE NO. 57 STONE FILL SHALL BE APPROVED BY A REPRESENTATIVE OF THE GEOTECHNICAL ENGINEERING SECTION OF THE DIVISION OF MATERIALS AND TESTS.

SEQUENCE OF CONSTRUCTION:

1. EXCAVATE SINKHOLE TO DEFINE OPENING IN BEDROCK MAKING SURE TO REMOVE ALL SOIL AND DEBRIS. COVER ALL EXPOSED SOIL SURFACES WITH GEOTEXTILE FABRIC (ITEM NO. 740-10.04) PRIOR TO BACKFILLING.
2. FIT THE OPENING WITH KEYSTONE ROCK, WHICH SHALL BE OF SUFFICIENT SIZE TO LOCK IN PLACE WITHOUT CREATING AN AIR BLOCK TO SUBSURFACE DRAINAGE.
3. BACKFILL WITH GRADED SOLID ROCK (CLASSIFICATION 203-02.01) BORROW EXCAVATION) UP TO 1-3 FEET OF EXISTING DITCH LINE GRADE. CONTINUE FILLING THE EXCAVATED SLOPE WITH GRADED SOLID ROCK ABOVE THE PLANNED EDGE OF THE GEOMEMBRANE LINER EDGE, GRADING THE ROCK TO CONFORM WITH THE SLOPE PROFILE AS SHOWN IN THE ABOVE ILLUSTRATION.
4. WHEN THE GRADED SOLID ROCK PLACEMENT IS COMPLETE, A SMALL DRAINAGE DIVERSION BERM OF COMPACTED SOIL SHALL BE CONSTRUCTED AROUND THE TOP OF THE EXCAVATION LIMITS TO DIVERT SURFACE RUNOFF AROUND THE REPAIR TO THE DITCH BELOW. THE BERM SHALL BE NO MORE THAN 3-FEET WIDE AT THE BASE AND 1 FOOT TALL ABOVE THE SURROUNDING SLOPE. THE BERM SHALL BE KEYED INTO THE SOIL APPROXIMATELY 0.5-FOOT AND NOT PLACED ON TOP OF THE EXISTING VEGETATION. AFTER CONSTRUCTION OF THE BERM IS COMPLETED, SEED AND STRAW WILL BE REQUIRED TO CONTROL EROSION.
5. PLACE GEOTEXTILE FABRIC TYPE IV ON TOP OF GRADED SOLID ROCK. PLACE NO. 57 STONE ON TOP OF GEOTEXTILE FABRIC.
6. DITCH SHOULD BE LINED WITH GEOMEMBRANE AND COVERED WITH A MINIMUM OF 16 INCHES OF MACHINED RIP-RAP (CLASS A-1) OR MATERIALS APPROVED BY HYDRAULIC DESIGN.

GEOMEMBRANE LINED RIP-RAP DITCH



DETAIL A

ITEM NO. 203-02.01 GRADED SOLID ROCK (TONS)

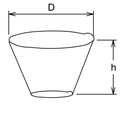
BORROW EXCAVATION (GRADED SOLID ROCK SHALL CONSIST OF THE REMOVAL AND SATISFACTORY PLACEMENT OF SOUND, NON-DEGRADABLE ROCK WITH A MAZIMUM SIZE OF 3 FT. (1 M). AT LEAST 50 PERCENT OF THE ROCK SHALL BE UNIFORMLY DISTRIBUTED BETWEEN 1 FT. (30 CM) AND 3 FT. (1 M) IN DIAMETER. THE MATERIAL SHALL BE ROUGHLY EQUI-DIMENSIONAL IN SHAPE, THIN, SLABBY MATERIAL WITH AN ACCEPTABLE MECHANICAL SCREENING PROCESS THAT PRODUCES THE REQUIRED GRADATION. WHEN THE MATERIAL IS SUBJECTED TO FIVE ALTERATION OF THE SODIUM SULFATE SOUNDNESS TEST (AASHTO T 104), THE WEIGHTED PERCENTAGE OF LOSS SHALL BE NOT MORE THAN 12. THE MATERIAL SHALL BE APPROVED BY THE ENGINEER BEFORE USE.

EQUATION FOR ESTIMATING SINKHOLE VOLUME, WHERE THE SIDES OF THE SINKHOLE ARE AT 1:1 SLOPES.

VOL. $1{:}1 \approx 0.13D^3 - (0.5D - h)^3$

FOR ESTIMATION PURPOSES, USE

$$1.7636 \frac{\text{TONS}}{\text{C.Y.}}$$



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SINKHOLE STANDARD TREATMENT ILLUSTRATIONS 1,1A,2,2A,3,4,&5

CELL BDRSG
$$$$SYTIME$$$$$
$$$$DGNSPEC$$$$$



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

JACOB D BRASHEAR

Digitally signed by JACOB D BRASHEAR
Date: 2026.02.24 12:09:34 -05'00'

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

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

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

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

YEAR	PROJECT NO.	SHEET NO.
2026	R-STP-322(15)	SIGNAL-SIGN-1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEET

24-FEB-2026 11:13
\\tdot01nas002.tdot.state.tn.us\01Shared\SURVDES\Design\PROJECTS\Traffic_Design_Projects\Monroe S.R. 322_102380.02\Signal-Sign1.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	R-STP-322(15)	SIG-1
PS&E	2026	R-STP-322(15)	SIG-1

SIGNAL INDEX

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

SPECIAL NOTES

SIGNAL HEADS

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

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

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

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

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

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

(7) THE ATTACHMENT OF THE TETHER WIRE TO THE POLE SHALL BE LOCATED BELOW THE LOWEST ELEVATION OF THE SIGNAL HEADS.

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

SEALED BY

JACOB BRASHEAR
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 122645
STATE OF TENNESSEE

2/24/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNAL INDEX AND SPECIAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2024	R-STP-322(15)	SIG-1A
PS&E	2026	R-STP-322(15)	SIG-1A

ESTIMATED SIGNAL QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 62016-3206-14
(1)	713-14.22	STREET NAME SIGN (SUSPENDED 0.100IN THICK)	S.F.	106
(2)	730-01.02	REMOVAL OF SIGNAL EQUIPMENT	EACH	1
(6)	730-01.03	MODIFICATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	730-02.03	SIGNAL HEAD ASSEMBLY (130 A3 WITH BACKPLATE)	EACH	2
	730-02.09	SIGNAL HEAD ASSEMBLY (130 WITH BACKPLATE)	EACH	6
	730-02.17	SIGNAL HEAD ASSEMBLY (150 A2H WITH BACKPLATE)	EACH	2
(3)	730-05.01	ELECTRICAL SERVICE CONNECTION	EACH	1
	730-08.02	SIGNAL CABLE - 5 CONDUCTOR	L.F.	336
	730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	699
	730-09.20	SPAN WIRE ASSEMBLY	L.F.	550
	730-10.01	TETHER WIRE ASSEMBLY - 1/4" DIAMETER	L.F.	550
	730-12.02	CONDUIT 2" DIAMETER (PVC SCHEDULE 40)	L.F.	20
(4)	730-13.12	VEHICLE DETECTOR (RADAR - STOP LINE)	EACH	4
(4)	730-13.13	VEHICLE DETECTOR (RADAR - ADVANCE)	EACH	4
	730-15.07	CABINET (ATC)	EACH	1
	730-16.04	CONTROLLER (ATC)	EACH	1
(5)	730-23.01	STEEL STRAIN POLE (SIGNAL SUPPORT)	EACH	4

FOOT NOTES

(1) INCLUDES STREET NAME SIGNS AND ALL NECESSARY HARDWARE. SIGNS TO BE INSTALLED ON THE SPAN WIRE BY THE CONTRACTOR. SEE SIGNAL LAYOUT SHEETS FOR SIGN LOCATIONS AND SEE SIGN SCHEDULE SHEET FOR SIGN DETAILS.

(2) TO BE USED FOR THE REMOVAL OF ALL SIGNAL POLES, SPAN WIRE, SIGNAL HEADS, CONTROLLER CABINET, AND ANY OTHER SIGNAL RELATED EQUIPMENT AT THE INTERSECTION OF SR-72 AND EXCELLENCE WAY.

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

(4) INCLUDES ALL SENSOR UNITS, HARDWARE, SOFTWARE, MOUNTING ASSEMBLIES, 848 LF OF POWER CABLE, SURGE PROTECTION, AND ANY EQUIPMENT NECESSARY TO PROVIDE FUNCTIONAL DETECTION ZONES AS SHOWN ON PLANS. CONTRACTOR TO ENSURE COMPATIBILITY WITH SIGNAL CONTROLLER.

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

(6) TO BE USED TO KEEP INTERSECTION OPEN AT ALL TIMES DURING VARIOUS PHASES OF CONSTRUCTION AS DIRECTED BY THE ENGINEER. THIS ITEM INCLUDES CONNECTING LOOP DETECTION IN PAVEMENT AND/OR INSTALLATION/ADJUSTMENT OF RADAR DETECTION, ADJUSTMENT OF SIGNAL HEADS, AND ANY OTHER SIGNAL EQUIPMENT OR ACCESSORIES NEEDED TO PROVIDE A FULLY FUNCTIONAL SIGNALIZED INTERSECTION.

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ESTIMATED SIGNAL QUANTITIES

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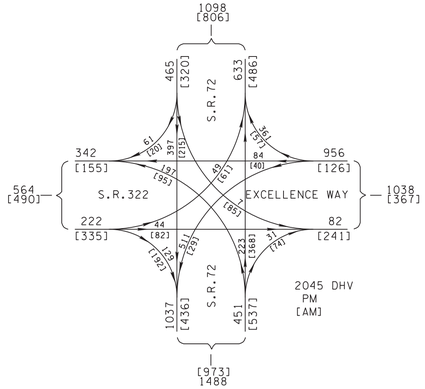
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	SIG-1
PIH	2024	R-STP-322(15)	SIG-2
PS&E	2026	R-STP-322(15)	SIG-2



605

MATCH LINE STA. 214+00

215

S 3° 07′ 53″ E

SR-72

S.R. 322 607+44.29=
S.R. 72 217+00
N 467866.6710
E 2481848.4773

PROPOSED STRAIN POLE #3
STA. 608+19.00, 99.00' LT.

610

RADAR DETECTION ZONE
285' FROM STOP BAR

RADAR DETECTION ZONE
365' FROM STOP BAR

SR-322

PROPOSED STRAIN POLE #2
STA. 606+82.00, 74.00' LT.

N 85° 25′ 39″ E

EXCELLENCE WAY

2@2" C (PVC)

PROPOSED STRAIN POLE #1
STA. 606+79.00, 52.00' RT.

PROPOSED STRAIN POLE #4
STA. 608+15.00, 49,00' RT.

RADAR DETECTION ZONE
445' FROM STOP BAR

MATCH LINE STA. 214+00

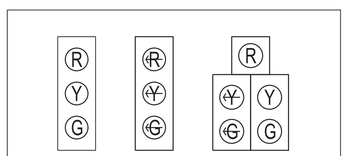
RADAR DETECTION ZONE
445' FROM STOP BAR

MATCH LINE STA. 219+50

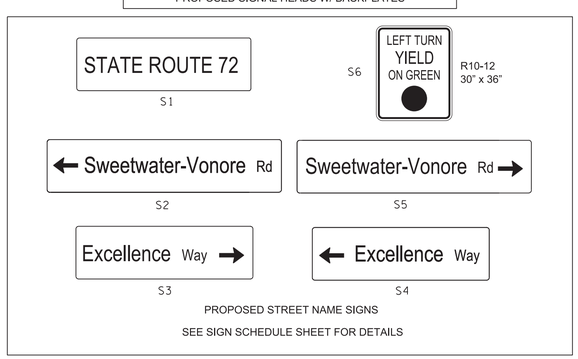
SR-72

MATCH LINE STA. 219+50

N



PROPOSED SIGNAL HEADS W/ BACKPLATES



PROPOSED STREET NAME SIGNS
SEE SIGN SCHEDULE SHEET FOR DETAILS

SR-322 AND
SR-72

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COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 .

STATE OF TENNESSEE
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SIGNAL LAYOUT

INTERSECTION @ SR-72 AND SR-322 / EXCELLENCE WAY
SCALE: 1"=30'

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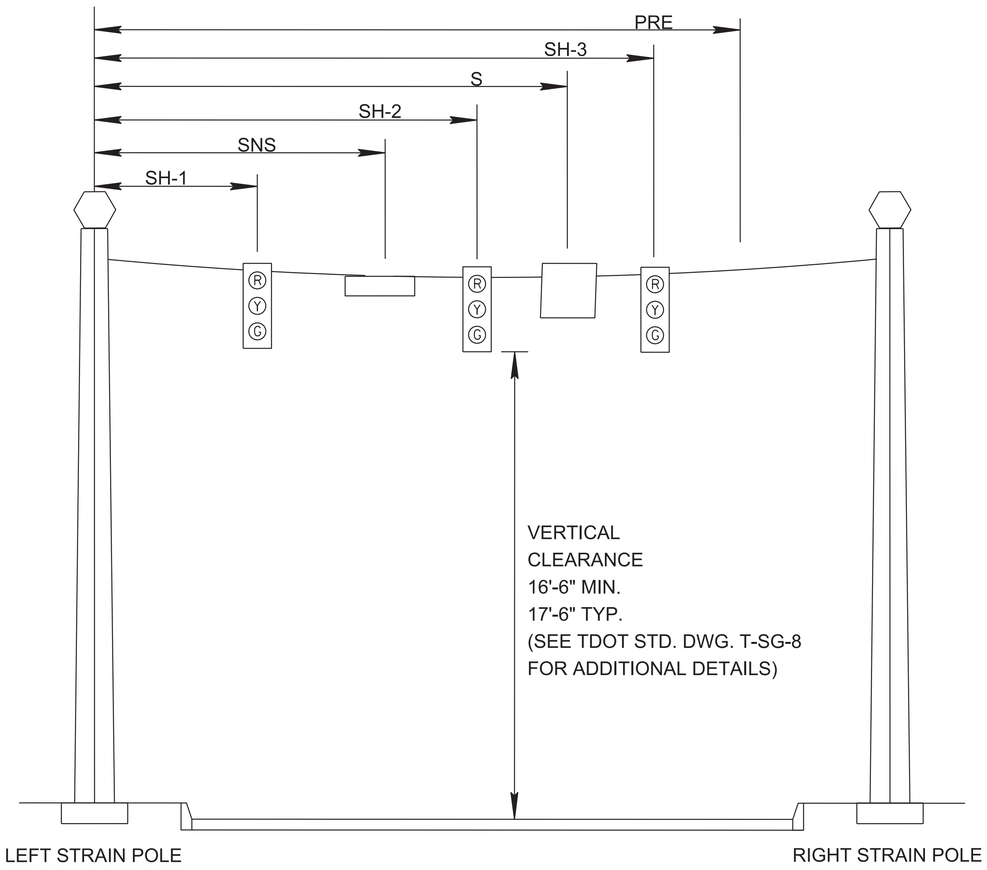
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	SIG-3
PIH	2024	R-STP-322(15)	SIG-2A
PS&E	2026	R-STP-322(15)	SIG-2A



LEGEND

- SIGNAL HEAD (R Y G)
- STREET NAME SIGN
- SIGN
- VEHICLE DETECTOR (RADAR)
- PRE-EMPTION

S:	SIGN
SNS:	STREET NAME SIGN
SH-X:	SIGNAL HEAD
VD:	VEHICLE DETECTOR (RADAR)
PRE:	PRE-EMPTION

SIGNAL SUPPORT POLE DATA AND SPAN DETAILS

POLE NO.	STATION	OFFSET	NORTHING	EASTING	SPAN (LT. TO RT.)	SPAN LENGTH	SH-1	SNS	SH-2	S	SH-3	VD	VD	GROUND EL. @ POLE
SP1	606+79.00	52.00' RT	467809.6314	2481787.5368	SP1 TO SP2	126.0'	76.0'	82.1'	88.1'	72.0'		0.0'	0.0'	878.61'
SP2	606+82.00	74.00' LT	467935.4698	2481780.4829	SP2 TO SP3	139.3'	66.0'	61.0'	75.0'	90.0'	84.0'	0.0'	0.0'	881.25'
SP3	608+19.00	99.00' LT	467971.3118	2481915.0534	SP3 TO SP4	148.1'	99.0'	105.6'	112.3'	95.0'		0.0'	0.0'	882.73'
SP4	608+15.00	49.00' RT	467823.4622	2481922.8556	SP4 TO SP1	136.0'	72.3'	68.0'	81.2'	95.8'	90.0'	0.0'	0.0'	880.08'

SR-322 @ SR-72

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DEPARTMENT OF TRANSPORTATION

SIGNAL DETAILS

INTERSECTION @ SR-72 AND SR-322 / EXCELLENCE WAY
NOT TO SCALE

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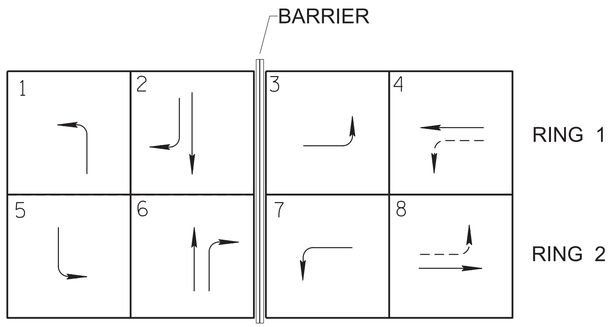
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2022	R-STP-322(15)	SIG-2
PIH	2024	R-STP-322(15)	SIG-2B
PS&E	2026	R-STP-322(15)	SIG-2B



NEMA EIGHT PHASE DESIGNATIONS

ACTIVE PHASE

INACTIVE PHASE (NOT USED)

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

BASIC OR SEMI - ACTUATED TIMING (SECS)

PHASE	MINIMUM GREEN	PASSAGE TIME	MAX GREEN	Clearance Time	CLEARANCE		RECALL TO	MEMORY POSITION (1)	LEFT TURN OPERATION (2)
					YELLOW	ALL RED			
1	7	2.50	7.00	5.00	5.0	2.0	NONE	NL	PROT
3	7	2.00	25.50	4.50	4.0	2.5	NONE	NL	P+P
5	7	2.50	19.00	5.00	5.0	2.0	NONE	NL	PROT
7	7	2.00	7.00	4.50	4.0	2.5	NONE	NL	P+P

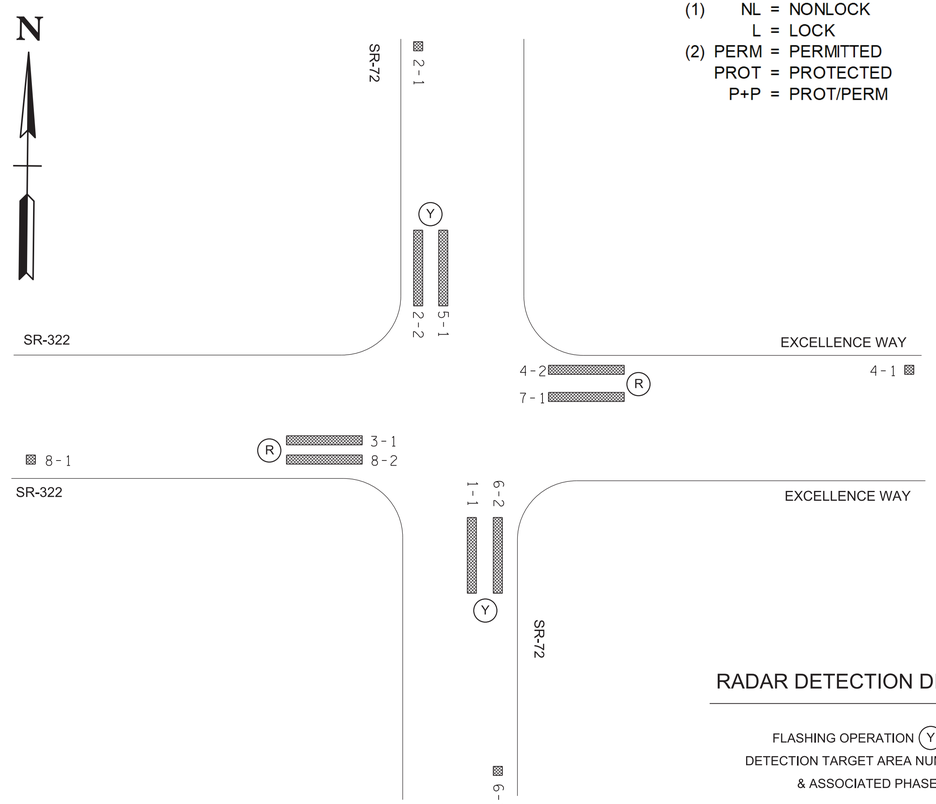
VOLUME-DENSITY TIMING (SECS)

PHASE	MINIMUM INITIAL	PASSAGE TIME	MAX GREEN	Clearance Time	CLEARANCE		RECALL TO	MEMORY POSITION (1)
					YELLOW	ALL RED		
2	10	3.50	43.00	5.00	6.0	1.0	MIN	NL
4	7	3.50	12.50	5.50	5.0	2.5	NONE	NL
6	10	3.50	23.00	5.00	6.0	1.0	MIN	NL
8	10	3.50	28.00	5.50	5.0	2.5	NONE	NL

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

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

RADAR DETECTION TARGET ASSIGNMENT				
TARGET AREA #	DETECTOR #	TARGET AREA LENGTH	ASSOC. Φ	COMMENTS
1-1	RS1	1@50'	1	PRESENCE
2-1	RA3	1@6'	2	PULSE
2-2	RS3	1@50'	2	PRESENCE
3-1	RS2	1@50'	3	PRESENCE
4-1	RA4	1@6'	4	PULSE
4-2	RS4	1@50'	4	PRESENCE
5-1	RS3	1@50'	5	PRESENCE
6-1	RA1	1@6'	6	PULSE
6-2	RS1	1@50'	6	PRESENCE
7-1	RS4	1@50'	7	PRESENCE
8-1	RA2	1@6'	8	PULSE
8-2	RS2	1@50'	8	PRESENCE



RADAR DETECTION DIAGRAM

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

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SIGNAL PHASING AND TIMING

INTERSECTION @ SR-72 AND SR-322 / EXCELLENCE WAY

NOT TO SCALE

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2022	R-STP-322(15)	
PS&E	2026	R-STP-322(15)	S-1

SWPPP INDEX OF SHEETS

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

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

1. SWPPP REQUIREMENTS (5.0.)

1.1. HAS THE SWPPP TEMPLATE BEEN PREPARED BY AN INDIVIDUAL THAT HAS THE FOLLOWING LICENSING AND/OR CERTIFICATIONS (5.2)?

☒ YES (CHECK ALL THAT APPLY BELOW) OR ☐ NO

- ☒ CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC)
- ☒ A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT
- ☒ HAS SUCCESSFULLY COMPLETED TDEC LEVEL II COURSE

1.2. DO THE EPSC PLANS INVOLVE STRUCTURAL DESIGN, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS FOR EPSC STRUCTURAL MEASURES (E.G. SEDIMENT BASINS) (5.2.)? YES ☐ NO ☒

IF YES, HAVE THE EPSC PLANS BEEN PREPARED, STAMPED AND CERTIFIED BY A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT? ☐ YES ☐ NO

1.3. DO THE PROJECT STORMWATER OUTFALLS DISCHARGE INTO THE FOLLOWING (6.4.1.)? ☐ YES (CHECK ALL THAT APPLY BELOW) ☒ NO

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

2. SITE DESCRIPTION (5.5.1.)

2.1. PROJECT LIMITS (5.5.1.f): REFER TO TITLE SHEET

2.2. TOTAL PROJECT AREA (5.5.1.b): 74.56 ACRES

2.3. TOTAL AREA TO BE DISTURBED (5.5.1.b): 62.68 ACRES

2.4. PROJECT DESCRIPTION (5.5.1.a):

TITLE: S.R. 322: FROM SHEPPARD ROAD TO S.R. 72 (EPD) (IA)
COUNTY: MONROE
PIN: 102380.02

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) 49 – 49R, DRAINAGE MAP SHEET(S) 38 - 40, 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. IF 50 ACRES OF DISTURBANCE WILL BE EXCEEDED AT ANY POINT DURING THE LIFESPAN OF THE PROJECT THE FOLLOWING CONDITIONS MUST BE MET (5.5.3.3)

2.8.1. TDEC SHALL BE NOTIFIED. (5.5.3.3.a)

2.8.2. A GEOSPATIAL FILE IDENTIFYING THE PROJECT AREAS BOUNDARIES SHALL BE SUBMITTED TO TDEC. (5.5.3.3.e)

2.8.3. A MONITORING PLAN SHALL BE PREPARED FOR OUTFALLS DRAINING 10 OR MORE ACRES, OR 5 ACRES IF DRAINING TO WATERS WITH UNAVAILABLE PARAMETERS (303d SILTATION) OR AN ETW. (5.5.3.3.f)

2.8.4. INSPECTIONS SHALL BE CONDUCTED TWICE PER WEEK AND FOLLOWING ANY RAINFALL EVENT OF MORE THAN 0.5 INCHES IN 24 HOURS (5.5.3.3.c AND 5.5.3.9).

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)
AcC3, ALCOA CLAY LOAM, 5 TO 12% SLOPES	B	6.9%	0.28
AcD3, ALCO CLAY LOAM, 12 TO 20% SLOPES	B	2.0%	0.28
DcC, DECATUR SILT LOAM, 5 TO 12% SLOPES	B	0.2%	0.37
DdD3, DECATUR SILTY CLAY LOAM, 12 TO 20% SLOPES	B	1.0%	0.28
DeB, DEWEY SILT LOAM, 2 TO 6% SLOPES	B	1.5%	0.37
DeC, DEWEY SILT LOAM, 6 TO 15% SLOPES	B	18.2%	0.37
DeD2, DEWEY SILT LOAM, 15 TO 25% SLOPES	B	9.9%	0.37
DgD3, DEWEY SILTY CLAY LOAM, 15 TO 25% SLOPES	B	14.8%	0.28
Em, EMORY SILT LOAM, 0 TO 4% SLOPES	B	8.1%	0.37
EtB, ETOWAH SILT LOAM, 2 TO 6% SLOPES	B	7.3%	0.37
FtC, FULLERTON GRAVELLY SILT LOAM, 5 TO 12% SLOPES	B	0.8%	0.28
FtD, FULLERTON GRAVELLY SILT LOAM, 15 TO 25% SLOPES	B	3.0%	0.28
FtE, FULLERTON CHERTY SILT LOAM, 20 TO 40% SLOPES	B	1.2%	0.24
Ha, HAMBLEN SILT LOAM, 0 TO 2% SLOPES	C	0.9%	0.37
LeB, LEADVALE SILT LOAM, 2 TO 5% SLOPES	C/D	0.5%	0.43
Ne, NEUBERT LOAM	B	0.1%	0.32
SeC2, SEQUOIA SILT LOAM, 5 TO 12% SLOPES	C	0.5%	0.43
SgC3, SEQUOIA SILTY CLAY, 5 TO 12% SLOPES	C	2.9%	0.32
TcE, TALBOTT-ROCK OUTCROP COMPLEX, 20 TO 40% SLOPES	C	0.1%	0.37
TeF, TELLICO LOAM, 35 TO 60% SLOPES	B	0.8%	0.28
TS, TELLICO AND DEWEY SOILS, GULLIED	B	0.6%	0.24
UDcB2, DEWEY-COLLEGEDALE COMPLEX, 2 TO 6% SLOPES	B	4.4%	0.37
UDcC2, DEWEY-COLLEGEDALE COMPLEX, 6 TO 15% SLOPES	B	13.8%	0.37
UDcD3, DEWEY-COLLEGEDALE COMPLEX, 15 TO 25% SLOPES	B	0.5%	0.28

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

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

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

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

RUNOFF COEFFICIENTS FOR EXISTING CONDITIONS

AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
PAVEMENT	3.39	5.42		0.85
RESIDENTIAL, 1 ACRE LOTS, B SOIL GROUP, >6% SLOPE	59.29	94.58		0.34
WEIGHTED C-FACTOR =				0.37

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS

AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
PAVEMENT	11.39	18.17		0.85
RESIDENTIAL, 1 ACRE LOTS, B SOIL GROUP, >6% SLOPE	51.29	81.83		0.34
WEIGHTED C-FACTOR =				0.43

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 UTILITIES, 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.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2022	R-STP-322(15)	
PS&E	2026	R-STP-322(15)	S-2

3.12. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.

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

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

3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

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

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

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

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

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

☐ 303d WITH UNAVAILABLE PARAMETERS FOR SILTATION

☐ EXCEPTIONAL TENNESSEE WATERS (ETW)

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

RECEIVING WATERS OF THE STATE INFORMATION

TDOT STATE WATER LABEL FROM EBR	NAME OF RECEIVING STATE WATER	303d WITH UNAVAILABLE PARAMETERS FOR SILTATION (YES OR NO)	ETW (YES OR NO)	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)
STR-1	TELLICO LAKE	NO	NO	NO	YES
STR-2	BAT CREEK	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.

WET WEATHER CONVEYANCES THAT ARE WATERS OF THE US
N/A

4.1.5. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES REQUIRED FOR WATERS OF THE STATE? (5.5.1.l, 6.4.2.)

☒ YES ☐ NO

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

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) 49, 50, 51

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)
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A

4.4. TOTAL MAXIMUM DAILY LOADS (TMDL) INFORMATION (1.3.j)

4.4.1. IS THIS PROJECT LOCATED IN A HUC-8 WATERSHED THAT MAINTAINS AN EPA APPROVED TMDL FOR SILTATION AND HABITAT ALTERATION?

☒YES ☐ NO

4.4.2. IF YES, IS THIS PROJECT LOCATED WITHIN A HUC-12 SUBWATERSHED WITH A WASTE LOAD ALLOCATION (WLA)?

☐ YES ☒ NO

4.4.3. IF YES, DOES THE PROJECT HAVE A DIRECT DISCHARGE TO A 303(d) LISTED STREAM FOR SILTATION?

☐ YES ☒ NO

IF YES, SWPPP INCORPORATES MEASURES OR CONTROLS CONSISTENT WITH THE ASSUMPTIONS AND REQUIREMENTS OF THE TMDL.

4.5. ECOLOGY INFORMATION (3.5.5.e)

DOES THE TDOT ENVIRONMENTAL BOUNDARIES REPORT SPECIFY SPECIAL NOTES TO BE ADDED TO THE PLAN SHEETS?

☐ YES ☒ NO

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2022	R-STP-322(15)	
PS&E	2026	R-STP-322(15)	S-3

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

4.6. ENVIRONMENTAL COMMITMENTS

ARE THERE ANY NOTES ON THE ENVIRONMENTAL COMMITMENT SHEET?

☒ YES ☐ NO

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) 1B.

5. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES (5.5.3.)

5.1. EPSC MEASURES MUST BE DESIGNED, INSTALLED AND MAINTAINED TO CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE EROSION (4.1.1).

5.2. EPSC MEASURES MUST CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOWS AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS, STREAM CHANNELS, AND STREAM BANKS. (4.1.1)

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.)?

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 8. 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 48 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 48 (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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

CONVEYANCES SHALL BE DONE DURING DRY CONDITIONS, REMOVED AND STABILIZED BY THE END OF THE WORK DAY.

7.3. UTILITY CROSSINGS IN ENVIRONMENTAL FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. ENVIRONMENTAL PERMITS APPLY TO UTILITIES IN THIS PROJECT. THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMITS.

7.4. IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR TO PROTECT EXPOSED EARTH FROM EROSION AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE EPSC MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFF-SITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME, SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFF-SITE AND ENTERING WATERS OF THE STATE/U.S.

7.5. FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN FOURTEEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOILS OF EXCAVATED EARTH SHALL BE LOCATED WITHIN TDOT EPSC MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE STATE UTILITY CONTRACTOR UNTIL THE TRENCH IS BACKFILLED.

7.6. IN REGARDS TO EPSC, TDEC REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS ON THIS PROJECT. THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT.

7.7. TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORMWATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EPSC MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.

7.8. FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT RIGHT-OF-WAY, EPSC MEASURES SHALL BE INSTALLED PRIOR TO CLEARING (TRENCHING AND ASSOCIATED BLASTING) IN THOSE AREAS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. THESE EPSC MEASURES SHALL REMAIN UNTIL THE BACKFILLED TRENCH IS STABILIZED WITH PERMANENT VEGETATIVE COVER.

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

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

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

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

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

7.11.3. A SITE-SPECIFIC CONTINGENCY AND CONTAINMENT PLAN FOR INADVERTENT RELEASE OF DRILLING FLUID SHALL BE ESTABLISHED PRIOR TO COMMENCEMENT OF WORK. THIS PLAN SHALL BE SUBMITTED TO THE TDOT PROJECT ENGINEER AND THE TDOT ENVIRONMENTAL DIVISION PERMITS AND/OR COMPLIANCE AND FIELD SERVICES OFFICE FOR REVIEW AND APPROVAL.

8. MAINTENANCE AND INSPECTION

8.1. INSPECTION PRACTICES (5.5.3.9.)

8.1.1. PROJECT EPSC INSPECTORS AND ENGINEERS (INCLUDING TDOT STAFF, CONSULTANTS AND CONTRACTOR STAFF) RESPONSIBLE FOR THE INSPECTION, IMPLEMENTATION, MAINTENANCE. AND/OR REPAIR OF EPSC MEASURES SHALL MEET ONE OF THE FOLLOWING REQUIREMENTS (5.5.3.10.):

8.1.1.1. SUCCESSFULLY COMPLETED THE TDOT EPSC INSPECTIONS TRAINING AND ANY RECERTIFICATION COURSE AS REQUIRED.

8.1.1.2. SUCCESSFULLY COMPLETED THE TDEC “LEVEL I - FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL” COURSE AND ANY RECERTIFICATION COURSES AS REQUIRED.

8.1.1.3. BE A CURRENT TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT.

8.1.1.4. BE A CURRENT CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC).

8.1.1.5. SUCCESSFULLY COMPLETED TDEC “LEVEL II – DESIGN PRINCIPLES FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES” COURSE AND ANY RECERTIFICATION COURSE AS REQUIRED.

8.1.2. THE TDOT CONSTRUCTION ENGINEER (OR THEIR DULY AUTHORIZED REPRESENTATIVE) AND THE CONTRACTOR'S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE TDOT CONSTRUCTION ENGINEER OR THEIR DULY AUTHORIZED REPRESENTATIVE SHALL COMPLETE THE EPSC INSPECTION REPORTS AND DISTRIBUTE COPIES PER THE CONTRACT.

8.1.3. THE INSPECTOR SHALL CONDUCT PRE-CONSTRUCTION INSPECTIONS TO VERIFY AREAS THAT ARE NOT TO BE DISTURBED HAVE BEEN MARKED IN THE SWPPP AND IN THE FIELD BEFORE LAND DISTURBANCE ACTIVITIES BEGIN AND INITIAL MEASURES HAVE BEEN INSTALLED (10 “INSPECTOR”) (5.5.1.f).

8.1.4. EPSC CONTROLS SHALL BE INSPECTED TO VERIFY MEASURES HAVE BEEN INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS, SPECIFICATIONS, AND GOOD ENGINEERING PRACTICES. EPSC INSPECTIONS SHALL BE DOCUMENTED ON THE TDOT EPSC INSPECTION REPORT FORM AND THE TDEC CONSTRUCTION STORMWATER INSPECTION CERTIFICATION (TWICE-WEEKLY INSPECTIONS) FORM.

8.1.5. OUTFALL POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EPSC MEASURES ARE EFFECTIVE IN PREVENTING EROSION AND CONTROLLING SEDIMENT INCLUDING SIGNIFICANT IMPACTS TO SURROUNDING STATE WATERS, WOTUS (EPHEMERAL), WETLANDS, OTHER NATURAL RESOURCES AND ADJACENT PROPERTY OWNERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWN GRADIENT LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE ROADWAY SEDIMENT TRACKING.

8.1.6. INSPECTIONS WILL BE CONDUCTED AT LEAST TWICE EVERY CALENDAR WEEK AND AT LEAST 72 HOURS APART (5.5.3.11.a). A CALENDAR WEEK IS DEFINED AS SUNDAY THROUGH SATURDAY. QUALITY ASSURANCE INSPECTIONS OF TDOT EPSC, NPDES AND WATER QUALITY PERMIT REQUIREMENTS SHALL BE PERFORMED PER THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE.

8.1.7. ON PROJECTS WHERE THE PERMITTEE CHOOSES TO DISTURB MORE THAN 50 ACRES AT ONE TIME, INSPECTIONS WILL BE CONDUCTED TWICE PER WEEK AND FOLLOWING ANY RAINFALL EVENT OF MORE THAN 0.5 INCHES IN 24 HOURS. (5.5.3.3.c)

8.1.8. 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).

8.1.9. 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).

8.1.10. 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”).

8.1.11. 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).

8.1.12. 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.

8.1.13. 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.

8.1.14. 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.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2022	R-STP-322(15)	
PS&E	2026	R-STP-322(15)	S-5

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): 6B, 7B, 9B, 12B, 16B

10.3. OTHER ITEMS NEEDING CONTROL (5.5.3.7.)

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

☒ LUMBER, GUARDRAIL, TRAFFIC CONTROL DEVICES
☒ CONCRETE WASHOUT
☒ PIPE CULVERTS (I.E. CONCRETE, CORRUGATED METAL, HDPE, ETC.)
☒ MINERAL AGGREGATES, ASPHALT
☒ EARTH
☒ LIQUID TRAFFIC STRIPING MATERIALS, PAINT
☒ ROCK
☒ CURING COMPOUND
☒ EXPLOSIVES
☐ OTHER _____

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

10.4. WASTE MATERIALS (5.5.3.7.c)

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

10.5. HAZARDOUS WASTE (5.5.3.7.c) (8.8)

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

10.6. SANITARY WASTE (5.5.3.7.b)

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

10.7. OTHER MATERIALS

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

☒ FERTILIZERS AND LIME
☒ PESTICIDES AND/OR HERBICIDES
☒ DIESEL AND GASOLINE
☒ MACHINERY LUBRICANTS (OIL AND GREASE)

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

11. NON-STORMWATER DISCHARGES (5.5.3.12.)

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

☐ DEWATERING OF WORK AREAS OF COLLECTED STORMWATER AND GROUND WATER.
☐ WATERS USED TO WASH VEHICLES (OF DUST AND SOIL) WHERE DETERGENTS ARE NOT USED AND DETENTION AND/OR FILTERING IS PROVIDED BEFORE THE WATER LEAVES THE SITE.
☐ WATER USED TO CONTROL DUST. (3.5.3.1.n)
☐ POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHING FROM WHICH CHLORINE HAS BEEN REMOVED TO THE MAXIMUM EXTENT PRACTICABLE.
☐ UNCONTAMINATED GROUNDWATER OR SPRING WATER.
☐ FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH POLLUTANTS.
☐ OTHER: _____

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

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

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

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

☐ YES ☒ NO

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

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

12.1. SPILL PREVENTION (5.5.3.7.c)

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

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

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

12.2. MATERIAL MANAGEMENT

12.2.1. HOUSEKEEPING

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

12.2.2. HAZARDOUS MATERIALS

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

12.3. PRODUCT SPECIFIC PRACTICES

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

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

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

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

12.4. SPILL MANAGEMENT

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

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

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

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

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

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

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

THE SUPERINTENDENT AFTER THE SITUATION HAS BEEN STABILIZED.

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

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

12.5. SPILL NOTIFICATION (6.1)

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

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

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

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

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

13. RECORD-KEEPING

13.1. REQUIRED RECORDS

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

13.1.1. THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR.

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

13.1.3. THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.

13.1.4. RECORDS EPSC INSPECTION REPORTS AND CORRECTIVE MEASURES.

13.1.5. RECORDS OF QUALITY ASSURANCE SITE ASSESSMENTS.

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

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

13.2. RAINFALL MONITORING PLAN (7.2.1.):

13.2.1. EQUIPMENT

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

13.2.2. LOCATION

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

13.2.3. METHODS

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

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

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

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

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

13.3. KEEPING PLANS CURRENT (5.4.)

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

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

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

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

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

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

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

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

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

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

13.4. MAKING PLANS ACCESSIBLE

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

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

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

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

13.4.2.3. A BRIEF DESCRIPTION OF THE PROJECT; AND

13.4.2.4. THE LOCATION OF THE SWPPP.

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

13.5. NOTICE OF TERMINATION (9.0.)

13.5.1. WHEN ALL STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT ARE AUTHORIZED BY THE PERMIT ARE ELIMINATED BY PERMANENT STABILIZATION, THE TDOT REGIONAL ENGINEER WILL SUBMIT A NOTICE OF TERMINATION (NOT) THAT IS

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

SIGNED IN ACCORDANCE WITH THE PERMIT TO THE TDEC CENTRAL OFFICE IN NASHVILLE, TN.

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

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

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

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

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

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

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

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

13.6. RETENTION OF RECORDS (7.1.)

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

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

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

AUTHORIZED TDOT PERSONNEL SIGNATURE (5.3.3.)

Robbie Stephens

PRINTED NAME

Statewide Transportation Engineer

TITLE

January 21, 2026

DATE

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

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

AUTHORIZED CONTRACTOR PERSONNEL SIGNATURE (5.3.3.)

PRINTED NAME

TITLE

DATE

16. ENVIRONMENTAL PERMITS (1.5.2.)

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

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

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

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2022	R-STP-322(15)	
PS&E	2026	R-STP-322(15)	S-8

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

OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	SEDIMENT TRAP OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
1		501+42 LT	8.2%	4.80	4.40	4.40	N/A	N/A	STR-1 (BAT CREEK)	
2		511+50 RT	12.6%	0.90			N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
3		13+75 RT OAK GROVE RD	9.7%	1.90	1.90	1.90	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
4		524+25 LT	7.1%	3.80	3.80	3.80	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
5		527+25 LT	7.3%	1.80	1.80	1.80	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
6		19+75 LT HENDRIX LOOP	5.9%	2.50	2.50	2.50	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
7		537+00 RT	4.3%	2.60			N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
	7A	537+50 RT	10.2%	2.10			N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
8		544+50 RT	7.0%	0.70			N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
	8A	545+30 RT	4.9%	6.20			N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
9		43+25 RT HENDRIX LOOP	8.4%	0.50	0.50	0.50	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
10		43+25 LT HENDRIX LOOP	8.2%	0.30	0.30	0.30	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
11		555+25 LT	12.0%	1.10	1.10	1.10	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
12		563+50 LT	1.0%	0.70	0.70	0.70	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
13		564+10 LT	3.7%	4.20			N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
	13A	564+00 LT	3.9%	3.00			N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
14		568+75 RT	5.2%	1.80			N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
15		571+25 RT	4.5%	0.50	0.50	0.50	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
16		575+00 RT	0.7%	0.10			N/A	N/A	TELLICO LAKE	
17		70+50 RT OLD S.R. 322	5.5%	0.30	0.30	0.30	N/A	N/A	TELLICO LAKE	
18		70+50 LT OLD S.R. 322	6.5%	2.90	0.40	0.40	N/A	N/A	TELLICO LAKE	
19		594+10 RT	14.0%	1.00			N/A	N/A	TELLICO LAKE	
20		597+60 RT	10.0%	3.90			N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
21		600+75 RT	5.8%	4.20			N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
22							N/A	N/A	TELLICO LAKE	
23		218+25 LT S.R. 72	2.0%	2.00			N/A	N/A	TELLICO LAKE	
24		615+25 LT	1.1%	20.40 (15.00 AC UNDISTURBED)			YES	N/A	TELLICO LAKE	RETENTION POND OVERFLOW
25		65+50 RT BRAKEBILL RD	2.3%	2.00			N/A	N/A	TELLICO LAKE	
26							N/A	N/A	TELLICO LAKE	
27		208+10 LT S.R. 72	2.6%	2.30			N/A	N/A	TELLICO LAKE	
28		502+75 RT	3.4%		0.50		N/A	N/A	STR-1 (BAT CREEK)	
29		509+40 RT	4.7%		0.60	0.60	N/A	N/A	STR-1 (BAT CREEK)	
30		531+25 LT	1.4%		0.30	0.30	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
31		537+00 RT	4.8%		2.40	2.40	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
32		537+50 RT	7.9%		2.70	2.70	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2022	R-STP-322(15)	
PS&E	2026	R-STP-322(15)	S-9

OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	SEDIMENT TRAP OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
33		544+50 RT	4.5%		0.02	0.02	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
34		545+25 RT	5.0%		7.20	7.20	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
35		564+10 LT	3.7%		1.00	1.00	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
	35A	578+60 LT	1.9%		2.20	2.20	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
36		55+50 LT LAKESIDE RD	2.7%		2.50	2.50	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
37		588+05 RT	3.9%		1.40	1.40	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
38		593+50 RT	5.6%		0.40	0.40	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
39		597+50 RT	3.0%		9.70	9.70	N/A	N/A	UNNAMED TRIBUTARY TO BAT CREEK	
40		608+25 RT	2.2%		3.20	3.20	N/A	N/A	TELLICO LAKE	
41		615+25 LT	5.1%		5.00	5.00	N/A	N/A	TELLICO LAKE	
42		65+00 RT BRAKEBILL RD	2.3%		2.00	2.00	N/A	N/A	TELLICO LAKE	
43		84+75 RT PRELSY RD	3.0%		2.20	2.20	N/A	N/A	TELLICO LAKE	

ALL STATION AND OFFSETS ARE BASED OFF OF THE S.R. 322 MAINLINE UNLESS OTHERWISE NOTED.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TENN.	YEAR	SHEET NO.
	2026	U1-01
FED. AID PROJ. NO.	R-STP-322(15)	
STATE PROJ. NO.	62016-3206-14	

UTILITIES INDEX

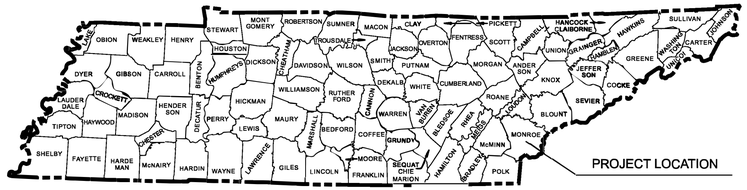
SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITY OWNERS, GENERAL NOTES, AND UTILITY SHEETS	U1-01 TO U1-02
TELEPHONE (AT&T) RELOCATION PLANS	U2-01 TO U2-20
ELECTRIC RELOCATION PLANS	U3-01 TO U3-24
FIBER (LUB) RELOCATION PLANS	U4-01 TO U4-21
GAS RELOCATION PLANS	U5-01 TO U5-19
SEWER RELOCATION PLANS	U6-01 TO U6-04
TELEPHONE (TDS TELECOM) RELOCATION PLANS	U7-01 TO U7-22
WATER RELOCATION PLANS	U8-01 TO U8-25
FIBER (CHARTER) RELOCATION PLANS	U9-01 TO U9-20

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

MONROE COUNTY

S.R. 322: FROM SHEPPARD ROAD
TO S.R. 72 (EPD) (IA)

STATE HIGHWAY I-24/ F.A.H.S 24



GRADE WORK ON U-SHEET U-10 WILL REQUIRE COORDINATION
WITH ENRBIDGE AT CROSSINGSUS@ENBRIDGE.COM (1-888-217-9110).
PRIOR TO BEGINNING WORK AND COMPLETION OF THE ENBRIDGE VEHICLE EQUIPMENT FORM.

UTILITY CONTACTS

UTILITY	OWNER	PHONE NO.	CONTACT	ADDRESS	CITY	STATE	ZIP CODE
TELEPHONE	AT&T	423-488-2825	JOE PERREL	300 E. MARTIN LUTHER KING BLVD	CHATTANOOGA	TN	37403
ELECTRIC	LOUDON UTILITIES BOARD	865-458-2091	AUBREY CAGLE	P.O. BOX 69	LOUDON	TN	37774
FIBER	LOUDON UTILITIES BOARD	865-458-2091	AUBREY CAGLE	P.O. BOX 69	LOUDON	TN	37774
GAS	LOUDON UTILITIES BOARD	865-458-2091	JOHN DAVIS	2480 HWY 72 N	LOUDON	TN	37774
SEWER	CITY OF MADISONVILLE	423-442-6321	TRACEY GREEN	400 COLLEGE ST S	MADISONVILLE	TN	37354
TELEPHONE	TDS TELECOM	865-777-4436	SCOTT FRAY	10201 UPPER RIDGE WAY	KNOXVILLE	TN	37932
WATER	TELLICO AREA SERVICES SYSTEM	423-884-6400	MARK CLINTON	505 CLEARVIEW RD	MARYVILLE	TN	37801
FIBER	CHARTER	865-338-7524	BILLY CLICK	1774 HENRY G LANE ST	MARYVILLE	TN	37801

SPECIAL NOTES

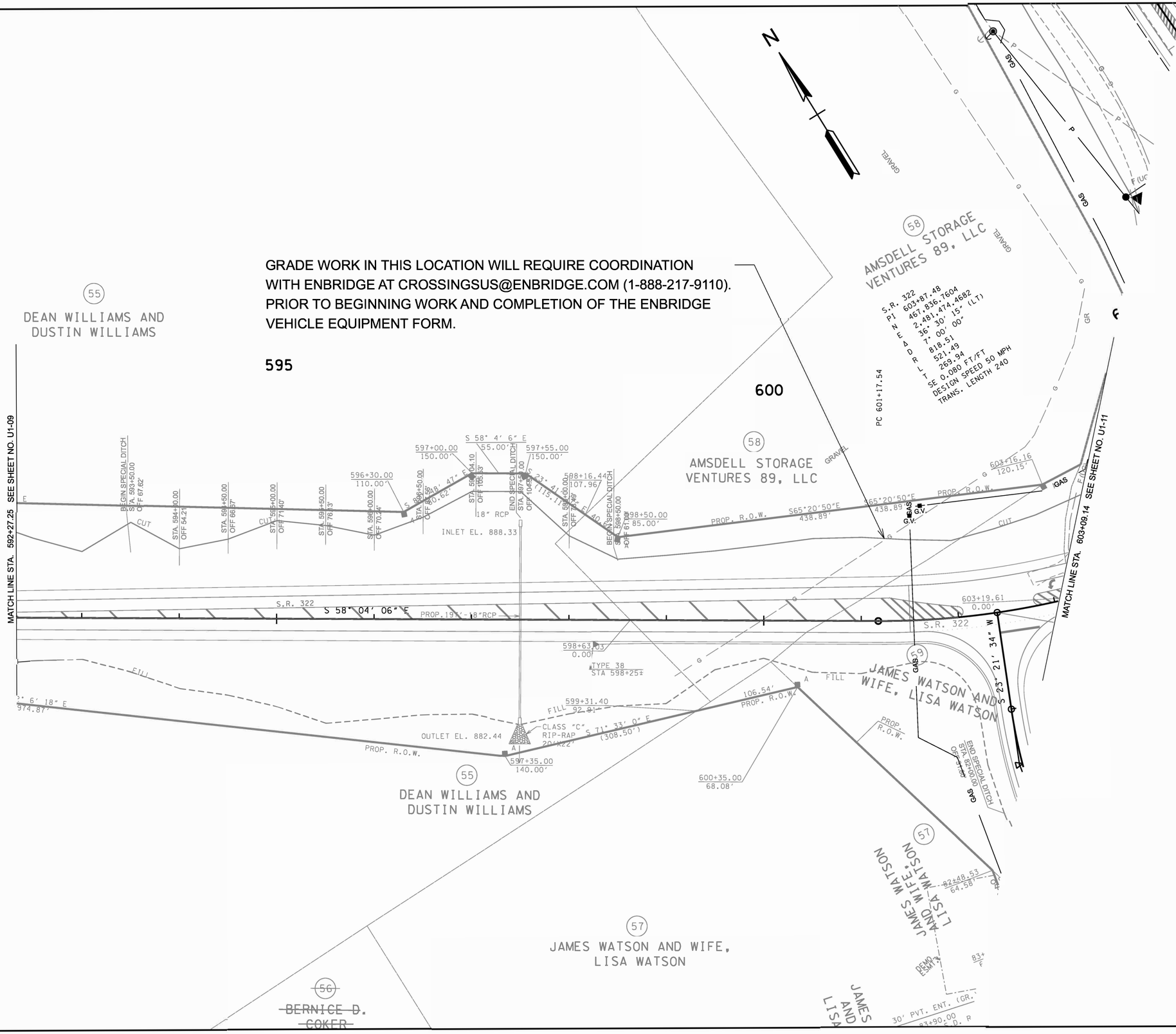
SOME UTILITIES CAN BE LOCATED BY CALLING THE
TENNESSEE ONE CALL SYSTEM, INC.
AT 1-800-351-1111

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITIES INDEX,
UTILITIES OWNERS

1/7/2026 12:25:45 PM
V:\TN\UTILITY\052250-23 TDOT SR-322 UC\UTILITY COORDINATION\SR 322_U-SHEETS.DGN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U1-2
		R-STP-322(15)	



COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UTILITY LAYOUT

STA. 592+27 TO STA. 603+09

SCALE: 1"=50'

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-1
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

UTILITIES INDEX

SHEET NAME	SHEET NUMBER
ESTIMATED UTILITY QUANTITIES	U2-1
SPECIAL CONDITIONS	U2-2
TDOT STANDARD UTILITY NOTES	U2-3
UTILITY RELOCATION STA. 500+41.07 TO STA. 509+00.00	U2-4
UTILITY RELOCATION STA. 509+00 TO STA. 522+00	U2-5
UTILITY RELOCATION STA. 522+00 TO STA. 535+00	U2-6
UTILITY RELOCATION STA. 535+00 TO STA. 548+00	U2-7
UTILITY RELOCATION STA. 548+00 TO STA. 557+00	U2-8
UTILITY RELOCATION STA. 557+00 TO STA. 567+00	U2-9
UTILITY RELOCATION STA. 567+00 TO STA. 577+00	U2-10
UTILITY RELOCATION STA. 577+00 TO STA. 590+00	U2-11
UTILITY RELOCATION STA. 590+00 TO STA. 601+00	U2-12
UTILITY RELOCATION STA. 601+00 TO STA. 612+00	U2-13
UTILITY RELOCATION STA. 612+00 TO STA. 619+50	U2-14
UTILITY RELOCATION STA. 64+00 TO STA. 69+40	U2-15
UTILITY RELOCATION STA. 83+00 TO STA. 89+75	U2-16
UTILITY RELOCATION STA. 219+00 TO STA. 225+55	U2-17
UTILITY RELOCATION STA. 202+50 TO STA. 210+00	U2-18
UTILITY RELOCATION STA. 70+45 TO STA. 80+15	U2-19
UTILITY RELOCATION DETAILS	U2-20

LEGEND:

- TEMPORARY LOCATION (BLUE)
- EXISTING TO REMAIN (ORANGE)
- EXISTING TO BE REMOVED OR RETIRED (GREEN)
- NEW INSTALLATION (RED)
- T (UG) — NEW AT&T UNDERGROUND CABLE (DIRECT BURIED)
- T — NEW AT&T OVERHEAD LINE
- T — NEW AT&T SERVICE DROP
- OHG — NEW OVERHEAD GUY
- T (UG) — EXISTING AT&T UNDERGROUND CABLE TO REMAIN
- T — EXISTING AT&T OVERHEAD LINE TO REMAIN
- T — EXISTING AT&T SERVICE DROP TO REMAIN
- OHG — EXISTING OVERHEAD GUY TO REMAIN
- T (UG) — EXISTING AT&T UNDERGROUND CABLE TO BE REMOVED OR RETIRED
- T — EXISTING AT&T OVERHEAD LINE TO BE REMOVED OR RETIRED
- T — EXISTING AT&T SERVICE DROP TO BE REMOVED OR RETIRED
- OHG — EXISTING OVERHEAD GUY TO BE REMOVED OR RETIRED
- EXISTING AT&T POLE TO REMAIN
- EXISTING AT&T POLE TO BE REMOVED OR RETIRED
- NEW INSTALLATION OF AT&T POLE
- NEW INSTALLATION OF AT&T POLE WITH GUY WIRE
- EXISTING AT&T GUY WIRE TO REMAIN
- EXISTING AT&T GUY WIRE TO BE REMOVED
- NEW INSTALLATION OF AT&T GUY WIRE
- TEMPORARY INSTALLATION OF AT&T GUY WIRE
- EXISTING ELECTRIC UTILITY POLE TO REMAIN
- EXISTING ELECTRIC UTILITY POLE TO BE REMOVED OR RETIRED
- NEW INSTALLATION OF ELECTRIC UTILITY POLE
- EXISTING AT&T PUSH BRACING TO REMAIN
- EXISTING AT&T PUSH BRACING TO BE REMOVED
- NEW AT&T PUSH BRACING
- TELE EXISTING AT&T PULL BOX TO REMAIN
- TELE EXISTING AT&T PULL BOX TO BE REMOVED OR RETIRED
- TELE NEW INSTALLATION OF AT&T PULL BOX
- NEW INSTALLATION OF AT&T MANHOLE
- NEW INSTALLATION OF AT&T HANDHOLE

UTILITY COMPANY CONTACT

AT&T TENNESSEE
300 E ML KING BOULEVARD
CHATTANOOGA, TENNESSEE 37403
JOE PERREL
423-266-1566
EMAIL: JP1389@ATT.COM

ESTIMATED UTILITY QUANTITIES

Project No. 1: 62016-3206-14

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
1	793-01.12	POLE 40FT CLASS 4 WOOD	EACH	1
1	793-01.17	POLE 45FT CLASS 3 WOOD	EACH	4
2	793-01.42	ANCHOR 1 1/4IN	EACH	35
3	793-11.20	HANDHOLE 30INX48IN	EACH	1
4	793-12.01	DIG SPLICE PIT 80CF	EACH	8
5	793-13.12	1 DUCT FORMATION @ 36IN DEPTH	L.F.	20
5	793-13.17	2 DUCT FORMATION @ 36IN DEPTH	L.F.	575
6	793-14.02	CONCRETE ENCASEMENT PER DUCT	L.F.	575
7	793-14.14	MULTI DUCT	L.F.	575
9	793-16.04	DIRECTIONAL BORE 4INFLEX SLEEVE	L.F.	30
10	793-98.04	REMOVE POLES ALL SIZES	EACH	6
10	793-98.06	REMOVE PEDESTALS	EACH	24
10	793-98.08	REMOVE ANCHOR (ANY SIZE)	EACH	12

1 INCLUDES ALL MATERIALS, LABOR, EQUIPMENT FOR COMPLETE INSTALLATION INCLUDING BUT NOT LIMITED TO BUTT WRAP, MGNV, GROUND ROD, DIG HOLE, TAMP, BLASTING, AND NUMBER POLE.

2 INCLUDES ALL MATERIALS, LABOR, EQUIPMENT FOR COMPLETE INSTALLATION INCLUDING BUT NOT LIMITED TO DIGGING HOLE, BLASTING OR MECHANICALLY INSERTING INTO GROUND, BONDING/GROUNDING.

3 INCLUDES ALL MATERIALS, LABOR, EQUIPMENT FOR COMPLETE INSTALLATION INCLUDING BUT NOT LIMITED TO DIGGING HOLE, PLACING HANDHOLE, TERMINATING CONDUIT, RESTORING SURFACE TO TDOT STANDARDS, TRAFFIC CONTROL AND SETUP.

4 INCLUDES SETUP, BACKFILL, FACILITY LOCATE AND OVERHEAD TO UNDERGROUND RISERS.

5 INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SPACERS, COUPLINGS, BENDS, OVERHEAD TO UNDERGROUND RISERS, OPENING TRENCH, BACKFILL PER SPECS AND DETAILS, SURFACE RESTORATION OF ALL CROSSINGS TO TDOT STANDARDS, SETUP, TRAFFIC CONTROL.

6 ALL MULTIPLE DUCT FORMATIONS

7 INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, RODDING DUCT AND PULLING IN INNERDUCT.

8 INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO CONDUIT PLACEMENT, GRAVEL, BACKFILL, RESTORING SURFACE TO TDOT STANDARDS, TRAFFIC CONTROL AND SETUP.

9 INCLUDES ALL MATERIALS/CASINGS/SLEEVES, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, BORE PIT AND RECEIVING PIT AT ANY DEPTH.

10 INCLUDES TRAFFIC CONTROL, LABOR AND EQUIPMENT

GENERAL NOTES:

1. ALL PLACEMENT OF DUCT BANKS TO BE AT 36" DEPTH TO FINAL GRADE IN CUTS, 36" DEPTH TO CURRENT GRADE IN FILLS.
2. PROVIDE CABLE MARKERS EVERY 500' AND IN-LINE OF SIGHT FROM EACH MARKER. ADD MARKERS AT ALL ROAD CROSSINGS.
3. SEE DETAIL SHEETS FOR MANHOLE SPECIFICATIONS.
4. RETURN TO AT&T EXISTING MANHOLE FRAME/COVERS REMOVED. BACKFILL MANHOLES ACCORDING TO T.D.O.T. REQUIREMENTS.
5. COORDINATE CROSSINGS WITH EXISTING AND PROPOSED UTILITIES TO SET FINAL GRADE FOR DUCT BANKS.
6. GROUND BED LOCATIONS AS SPECIFIED.
7. SURVEY INFORMATION IN THESE DRAWINGS ARE FROM OTHERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES. ANY UTILITIES NOT SHOWN ON THESE DRAWINGS ARE ALSO THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO, AND FOR PROTECTION OF ALL EXISTING UTILITIES.

SEALED BY

ANDREW J. CLARK
REGISTERED ENGINEER
Andrew J. Clark
CERTIFICATE NO. 130329
1-13-2026
STATE OF TENNESSEE

BARGE DESIGN SOLUTIONS
520 West Summit Hill Drive // Suite 1202 // Knoxville, Tennessee 37902
PHONE (865) 637-2810 // FAX (865) 673-8554

BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

ESTIMATED UTILITY QUANTITIES

SCALE: NONE

1/13/2026
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-2
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

AT&T SPECIAL CONDITIONS AND ADDITIONAL BREAKDOWN OF TIME

1. IF ALL OTHER SECTIONS OF AT&T'S WORK IS READY AT THE SAME TIME, THEN 150 DAYS IS NEEDED TO COMPLETE THE PROJECT. TO HELP KEEP THE PROJECT MOVING FORWARD, AT&T AGREES TO WORK SECTIONS OF PLACEMENT AND CUTOVER AS THEY BECOME AVAILABLE AS LONG AS THEY CAN LOGISTICALLY BE WORKED, AND DO NOT PLACE ADDITIONAL COSTS ON AT&T OR CAUSE ANY SAFETY CONCERNS. AT&T ALSO AGREES TO EVALUATE AND WORK WITH THE STATE CONTRACTOR IF THERE ARE TEMPORARY RELOCATIONS THAT ARE NEEDED. THESE TEMPORARY RELOCATIONS WILL HAVE THEIR OWN SCHEDULE OF CALENDAR DAYS AND MAY BE 100% REIMBURSABLE IN ADDITION TO ANY CHAPTER 86 REIMBURSEMENTS.

2. BY BREAKING IT DOWN INTO SECTIONS, EACH SECTION HAS ITS OWN MOBILIZATION AND MATERIAL ORDERING TIME. THE SPECIAL CONDITIONS APPLY TO EACH SECTION INDIVIDUALLY; HOWEVER, ADDITIONAL CLARIFICATION WILL BE INCLUDED IN EACH SECTION.

3. THE CONSTRUCTION SCHEDULE LISTED INCLUDES STANDARD MATERIAL ORDERING INTERVALS, PROJECTED WORKLOADS AT THE TIME OF CONSTRUCTION, ESTIMATED WORK CONTENT, AND LIMITED DELAYS DUE TO WEATHER OR CUSTOMER RELEASES FOR SCHEDULED SERVICE INTERRUPTIONS. COMPLETION OF WORK IS ALSO CONTINGENT ON NATIONAL OR STATE EMERGENCY ORDERS WHICH CAN RESTRICT TELECOMMUNICATIONS WORK.

4. THE CONSTRUCTION SCHEDULE LISTED CANNOT BE IMPLEMENTED UNTIL AT&T HAS BEEN NOTIFIED IN WRITING BY TDOT AND/OR THE STATE CONTRACTOR THAT ALL AT&T ITEMS INCLUDED IN THE STATE CONTRACT HAVE BEEN PLACED, ALL POWER COMPANY POLES HAVE BEEN SET, AND ALL OTHER OVERHEAD UTILITIES HAVE BEEN TRANSFERRED DUE TO SAFETY REGULATIONS AND POTENTIAL CONSTRUCTION CONFLICTS.

5. ALL SCHEDULES/SECTIONS ARE BASED ON AT&T BEING ABLE TO GET APPROVAL FROM TDOT FOR USE OF THE DIMINIMIS FOR THOSE ITEMS THAT CANNOT BE OBTAINED USING FHWA/BUY AMERICA APPROVED STEEL. ANY DELAYS ON APPROVAL OF THESE ITEMS WILL CAUSE AN EQUAL DELAY ON AT&T'S SCHEDULE.

6. ANY CHANGES THAT THE STATE'S CONTRACTOR MAKES TO THE PLANS PROVIDED TO THEM BY TDOT MAY CAUSE A REDESIGN TO AT&T'S PLANS. AT&T WILL REQUIRE TIME TO EVALUATE AND MAKE CHANGES IF NECESSARY. THESE CHANGES WILL HAVE TO BE APPROVED BY TDOT THROUGH A FORMAL STAMPED REDESIGN AND WILL REQUIRE ADDITIONAL TIME ON THE SCHEDULE. AT&T'S TIME WILL NOT START UNTIL AFTER THE DESIGN CHANGES AND ALL OTHER SPECIAL CONDITIONS HAVE BEEN APPROVED/COMPLETED.

7. AT&T CAN MOVE OVERHEAD LINES IN SOME INSTANCES BEFORE OTHER COMMUNICATION COMPANIES; HOWEVER, THIS COULD CAUSE ADDITIONAL TIME DELAYS AND COSTS TO AT&T AND TO THOSE OTHER COMPANIES. THESE COSTS MAY BE SUBJECT TO THE PARAGRAPH ABOVE.

8. WHEN REFERRING TO "ALL" POWER COMPANY POLES OR "ALL" OTHER OVERHEAD UTILITIES, IT IS ONLY REFERRING TO THOSE POLES THAT HAVE AN IMPACT ON AT&T'S RELOCATION.

9. THIS SCHEDULE IS ALSO DEPENDENT ON AT&T HAVING ACCESS TO ALL OF ITS EXISTING FACILITIES UNTIL SUCH TIME AS THEY ARE NO LONGER IN SERVICE AND ARE READY TO BE RETIRED. EXISTING MANHOLE LIDS MAY REQUIRE RAISING TO MAINTAIN ACCESSIBILITY UNTIL IT CAN BE RETIRED.

10. AT&T MUST BE CONSULTED PRIOR TO CONTRACTOR REVISING SUGGESTED TDOT TRAFFIC CONTROL PHASING.

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1-13-2026
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BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

SPECIAL CONDITIONS

SCALE: NONE

1/13/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-3
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

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

TDOT STANDARD GENERAL NOTES:

1. EXCEPT FOR EROSION SEDIMENT CONTROL ITEMS, NO ROADWAY OR BRIDGE ITEMS SHALL BE UTILIZED TO COMPENSATE FOR WORK METHODS OR MATERIALS ASSOCIATED WITH AND/OR SPECIFIED FOR THE UTILITY INSTALLATION, EVEN THOUGH THE SAME OR SIMILAR ROADWAY OR BRIDGE MATERIALS MAY HAVE BEEN CALLED FOR IN THE UTILITY SPECIFICATIONS OR DRAWINGS.
2. ALL MATERIALS, METHODS, AND/OR INTEGRAL MATERIALS OUTLINED IN THE UTILITY SPECIFICATIONS OR DRAWINGS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION MUST BE INCLUDED IN THE UNIT PRICE FOR THE ASSOCIATED UTILITY WORK ITEM.
3. THE CONTRACTOR MUST MAINTAIN ALL SERVICES DURING THE CONSTRUCTION OF THE RELOCATED FACILITY. ANY COSTS ASSOCIATED WITH INSTALLATION OF REQUIRED TEMPORARY SERVICE LINES DUE TO THE ROADWAY CONSTRUCTION SEQUENCE OF WORK (I.E., CUTS, FILLS, PHASING, ETC.) SHALL BE INCLUDED IN THE COST OF THE PERMANENT UTILITY ITEMS.
4. IT SHALL BE THE RESPONSIBILITY OF THE PRIME CONTRACTOR'S SURVEYOR TO LAY OUT ALL THE FACILITIES BEING RELOCATED WITHIN THE CONTRACT.
5. FOR BURIED UTILITIES, THE PRIME CONTRACTOR OR SUBCONTRACTOR SHALL BE REQUIRED TO PROVIDE TO THE UTILITY UPON COMPLETION OF THE UTILITY'S RELOCATION WORK A SET OF AS-BUILT DRAWINGS FOR THEIR RECORDS. THESE AS-BUILT DRAWINGS SHOULD BE PREPARED AS THE JOB PROGRESSES TO ENSURE THEIR ACCURACY.
6. WHERE EROSION CONTROL MEASURES ARE NEEDED FOR THE UTILITY RELOCATION WORK OCCURRING INSIDE OR OUTSIDE STATE RIGHT-OF-WAY, THE CONTRACTOR SHALL SUBMIT TO THE TDOT PROJECT SUPERVISOR FOR APPROVAL A PROPOSED EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING THE WORK. TDOT APPROVAL MUST BE RECEIVED BEFORE THE EROSION CONTROL PAY ITEMS FOR ROADWAY CONSTRUCTION CAN BE USED FOR ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED FOR THE UTILITY RELOCATION WORK.
7. DRIVEWAY, SIDEWALK AND ROADWAY TEMPORARY RESTORATION SHALL BE PART OF THE IN-PLACE COST OF PLACING THE UTILITY ITEM WITHIN THE ROW.
8. ANY EXCAVATION OF THE STREAM CHANNEL AREA SHALL BE SEPARATED FROM FLOWING WATER AND ACCOMPLISHED DURING LOW FLOW CONDITIONS. THIS SHALL BE ACCOMPLISHED BY THE USE OF FLUMES, LINED DIVERSION CHANNEL WITH SANDBAG BERM, DIVERSION PIPE WITH SANDBAG DAM AT PIPE INLET, OR IN SOME CASES COFFERDAMS. ALTERNATIVELY, BASED ON FIELD CONDITIONS AND CONTRACTOR SELECTION, THE UTILITY RELOCATION MAY BE ACCOMPLISHED USING BORE TECHNOLOGY WITH NO STREAM CHANNEL IMPACTS.

SEALED BY



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AT&T
TENNESSEE

TDOT STANDARD
UTILITY NOTES

1/13/2026
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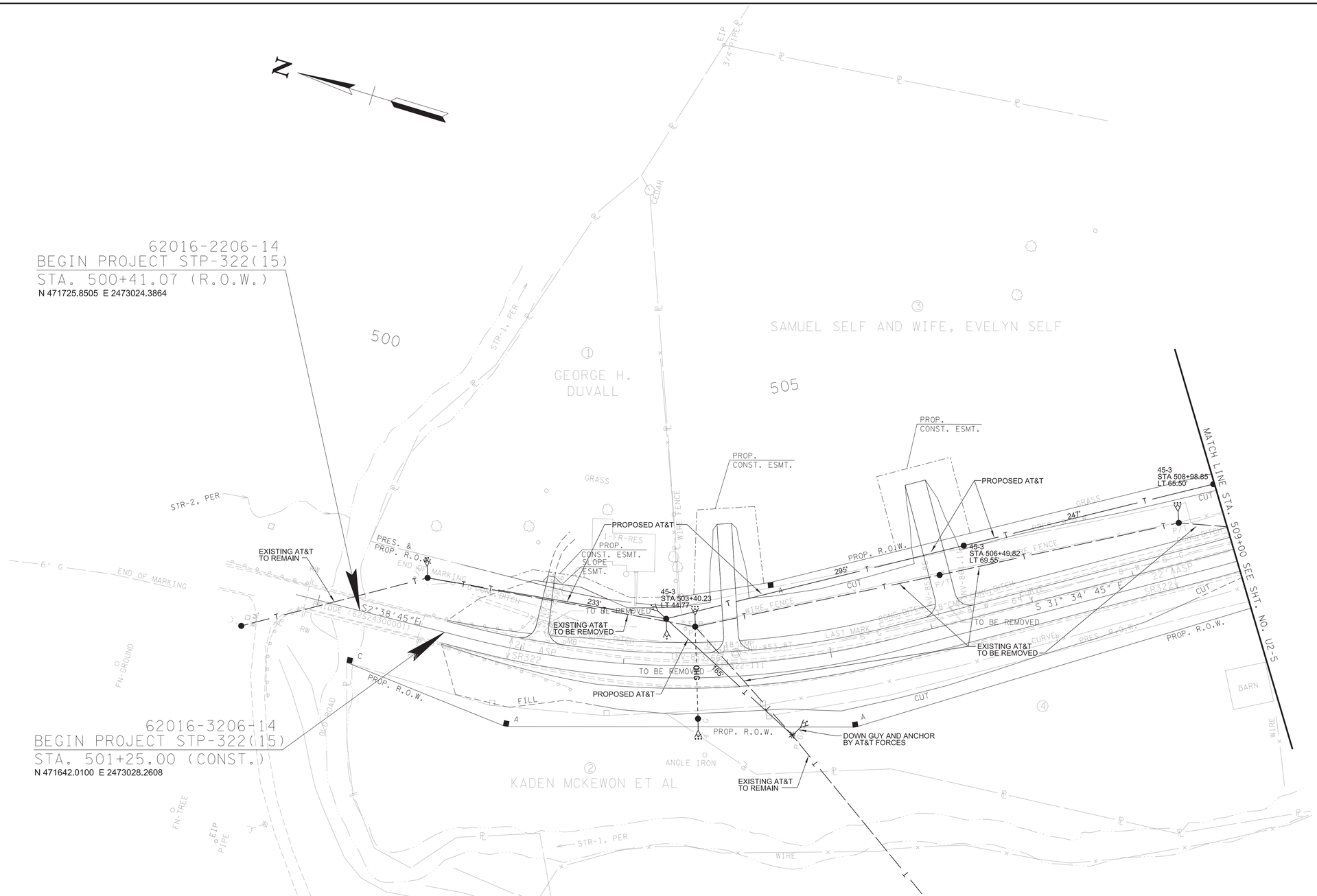
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-4
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE



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BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 500+41.07 TO STA. 509+00.00

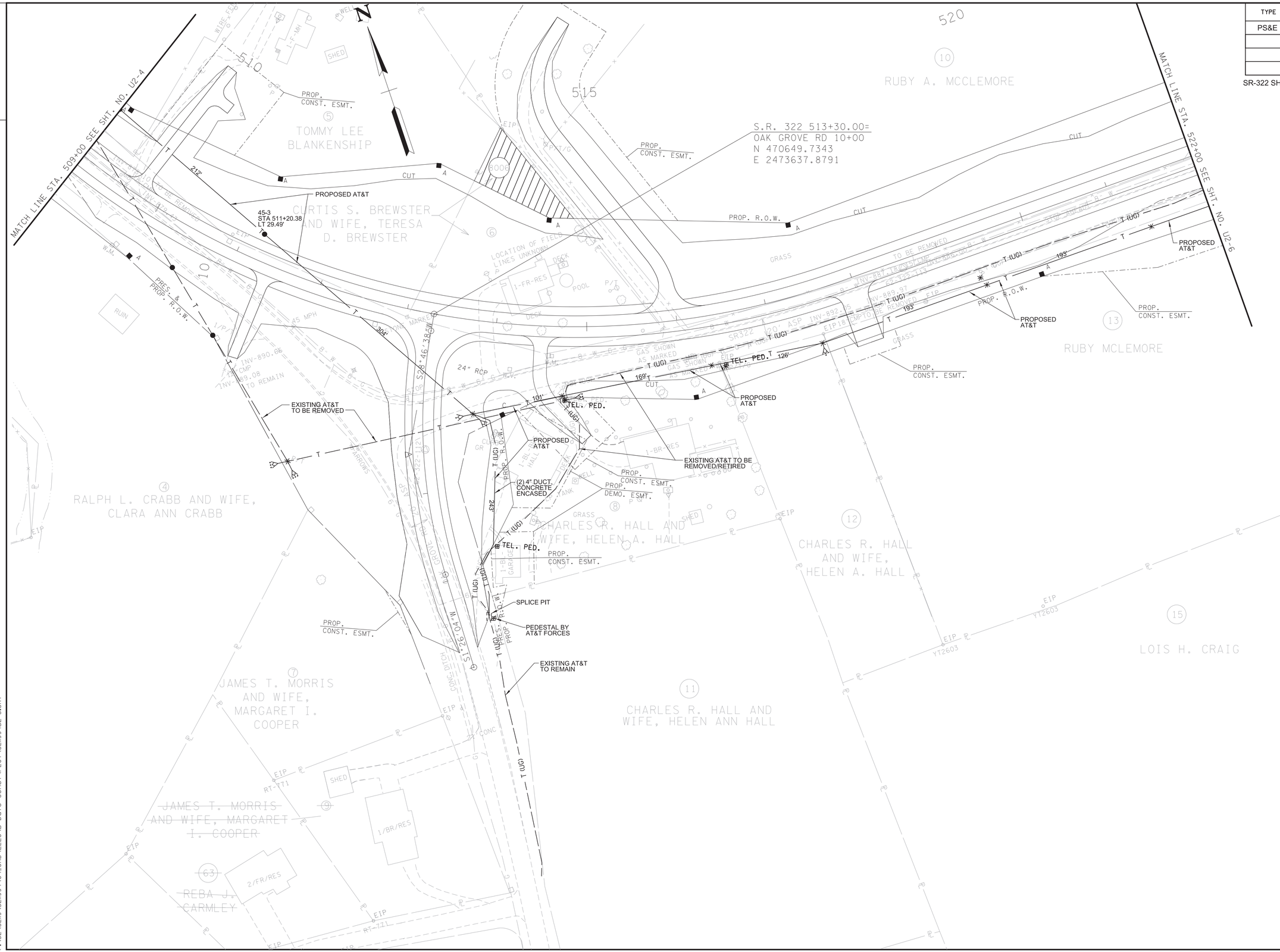
SCALE: 1"= 50'

1/13/2026
F:\32\32119\32119941\04_CAD\ELEC\B Date Const\PLOT\32119941U2-4.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-5
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

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



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Andrew J. Clark
1-13-2026

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BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 509+00 TO STA. 522+00

SCALE: 1"= 50'

1/13/2026
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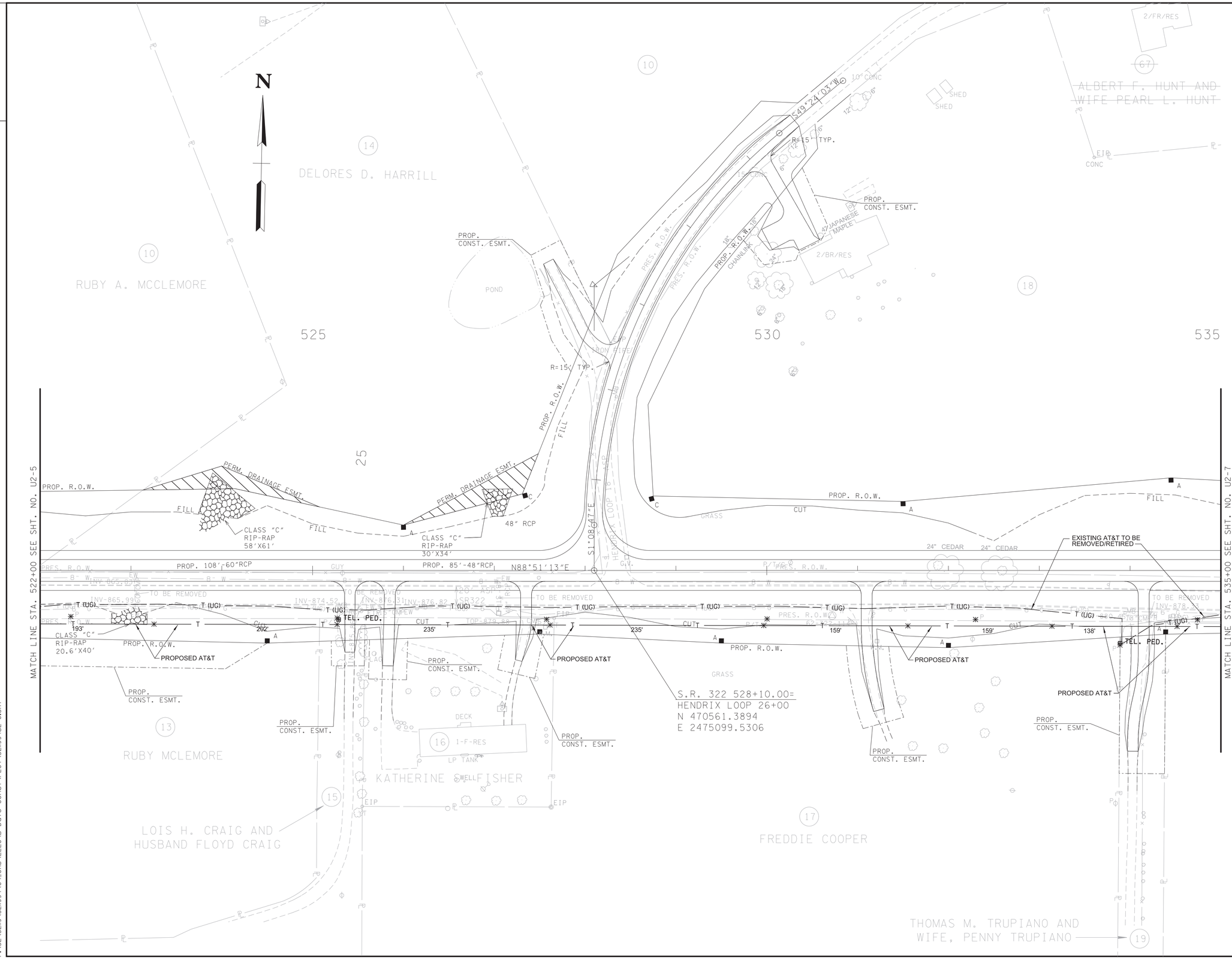
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-6
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

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



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ANDREW J. CLARK
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BARGE DESIGN PROJECT NO. 32119-94

AT&T
TENNESSEE

UTILITY RELOCATION

STA. 522+00 TO STA. 535+00

SCALE: 1"= 50'

1/13/2026
F:\32\32119\32119994\04_CAD\ELEC\B Date Const\PLOT\32119994U2-6.SHT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-7
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

N

535 540 545 54

67 ALBERT F. HUNT AND WIFE PEARL L. HUNT

68 LLOYD WILLIAM MILLS

21 TAMMY SUE GENTRY CLARK

23 TAMMY SUE GENTRY CLARK

26 JAMES R. WOEBER AND WIFE, KATHY E. WOEBER

20 GERALD GLEN BARNHART AND WIFE, JEANETTE BARNHART

24 RANDY D. WATKINS AND WIFE, LISA L. WATKINS

25 FREDDIE LEE COOPER

27 FREDDIE LEE COOPER

69 KELLEY SUZANNE MCKINNON AND STEPHEN TRENT BELL

22 CHAD CHAMBERS AND WIFE, ASHLEY CHAMBERS

75 KAREN A. KUSKE, TRUSTEE OF THE KAREN A. KUSKE LIVING TRUST

S.R. 322 546+30.00=
CANDI LANE 30+00
N 470743.8899
E 2476900.8664

MATCH LINE STA. 535+00 SEE SHT. NO. U2-6

MATCH LINE STA. 548+00 SEE SHT. NO. U2-8

PERM. DRAINAGE ESMT.

PROP. R.O.W.

PROP. CONST. ESMT.

DEMO ESMT.

EXISTING AT&T TO REMAIN

PROPOSED AT&T

PROP. R.O.W. A

CLASS "B" RIP-RAP 12' X 15'

30' X 34' CLASS "B" RIP-RAP

48" RCP

WWC-1/UDF-1

WWC-2/UDF-2

EXISTING AT&T TO BE REMOVED

PROP. 63'-30" RCP

PROP. TYPE 3 JUNCTION BOX

PROP. 36'-30" RCP

24" RCP

PROP. EXT. 68'-48" RCP

EXIST. 34'-48" PIPE TO REMAIN

20' ASP SR-322

EXISTING AT&T TO BE REMOVED/RETIRED

PROPOSED AT&T

PROP. CONST. ESMT.

(2) 4" DUCT, CONCRETE ENCASED, PROVIDE 3' HORIZONTAL SEPARATION FROM PROPOSED WATER LINE

EXISTING AT&T TO BE REMOVED/RETIRED

PEDESTAL BY AT&T FORCES

SPLICE PIT

EXISTING AT&T TO REMAIN

N 75° 57' 22" E

S 39° 02' 26" W

S 6° 20' 44" E

S 02° 38' E

SEALED BY

ANDREW J. CLARK
REGISTERED ENGINEER
Andrew J. Clark
COMMISSION NO. 109571
1-13-2026
STATE OF TENNESSEE

BARGE DESIGN SOLUTIONS

520 West Summit Hill Drive // Suite 1202 // Knoxville, Tennessee 37902
PHONE (865) 637-0810 // FAX (865) 673-4554
BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 535+00 TO STA. 548+00

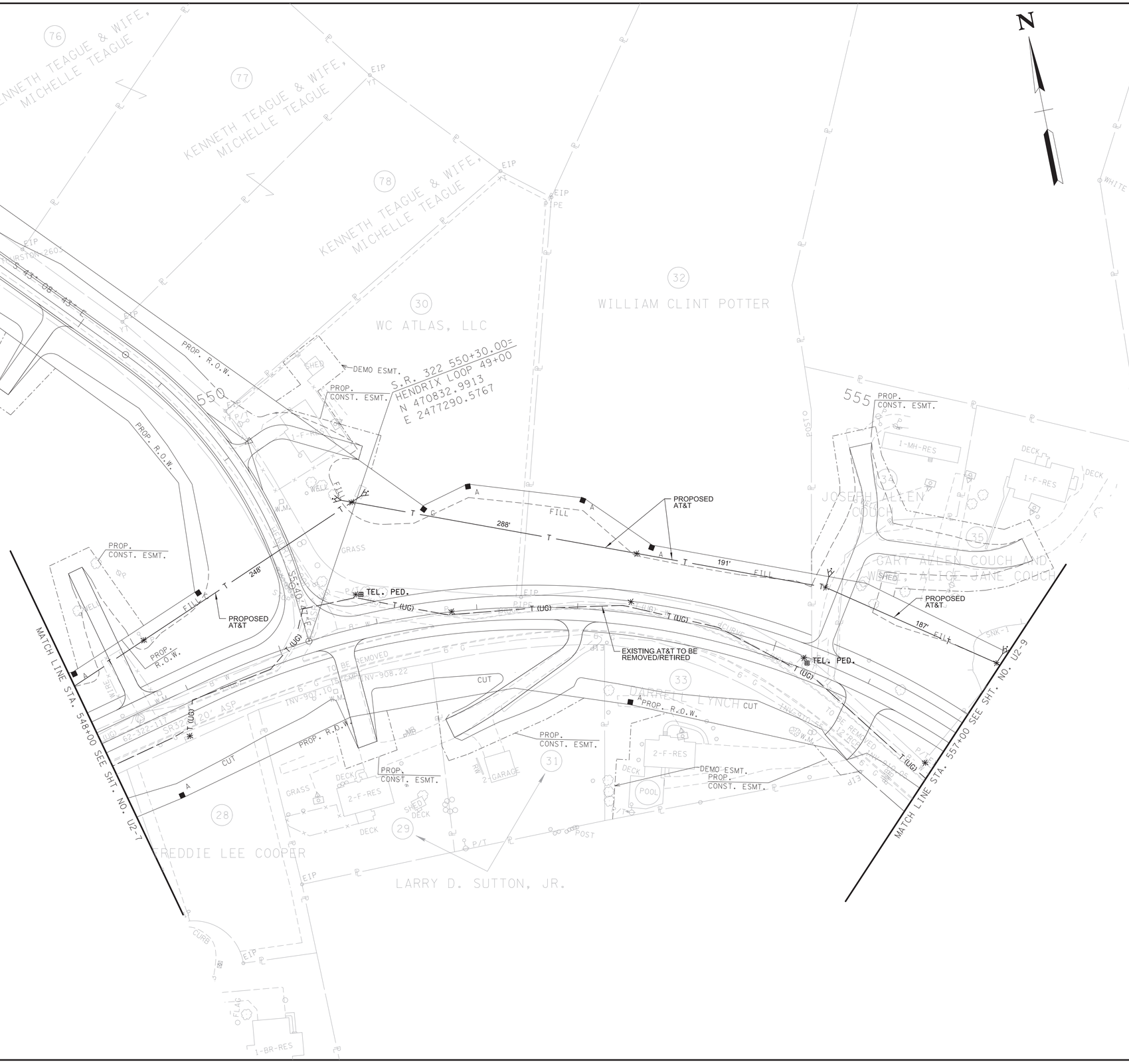
SCALE: 1"= 50'

1/13/2026
F:\32\32119\32119\04_CAD\ELEC\B Date Const\PLOT\32I1994U2-7.SHT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-8
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE



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ANDREW J. CLARK
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1-13-2026
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BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 548+00 TO STA. 557+00

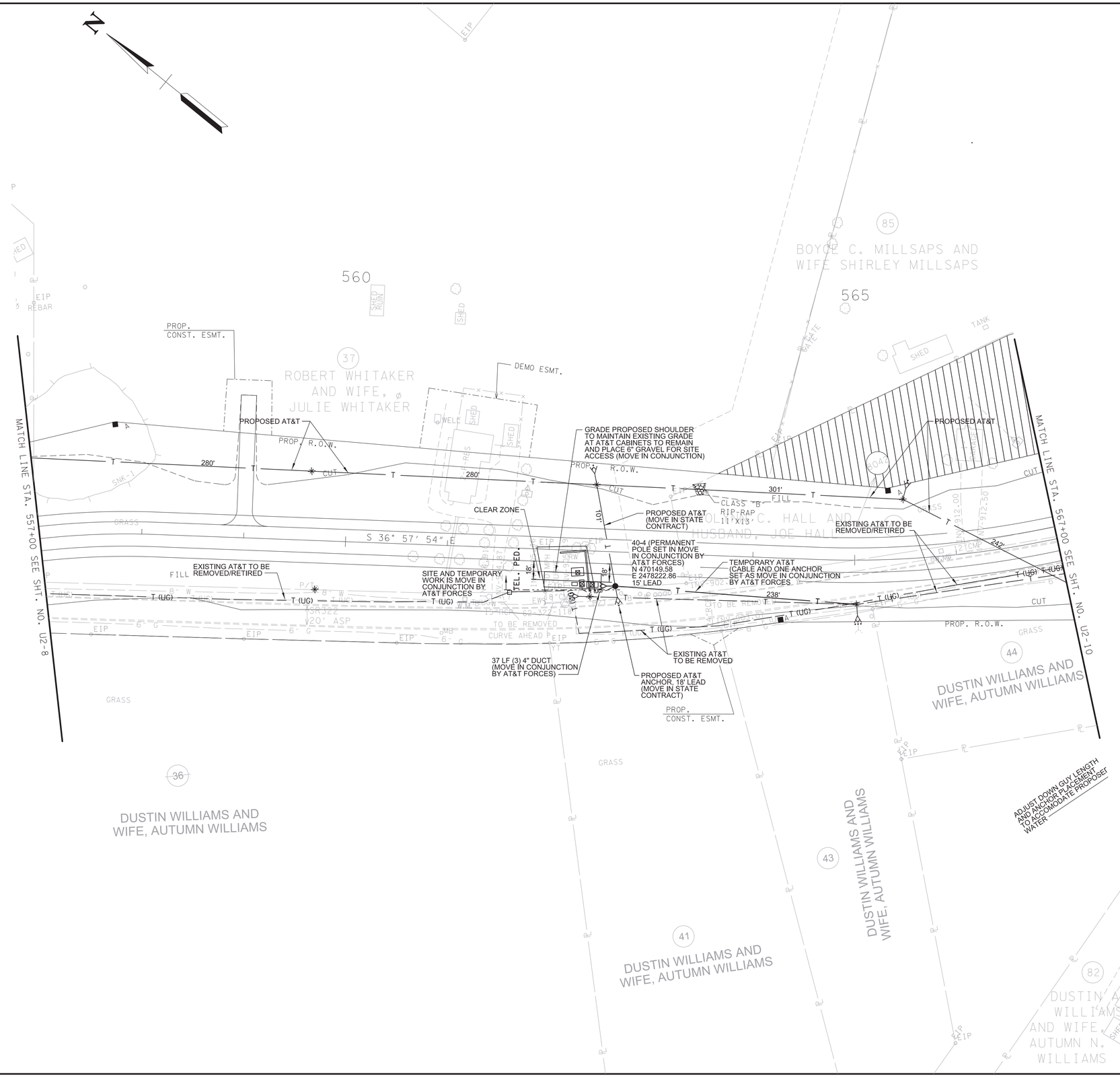
SCALE: 1"= 50'

1/13/2026
F:\32\32119\32119-04.CAD\ELEC\B Date Const\PLOT\32119-U2-8.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-9
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

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



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BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 557+00 TO STA. 567+00

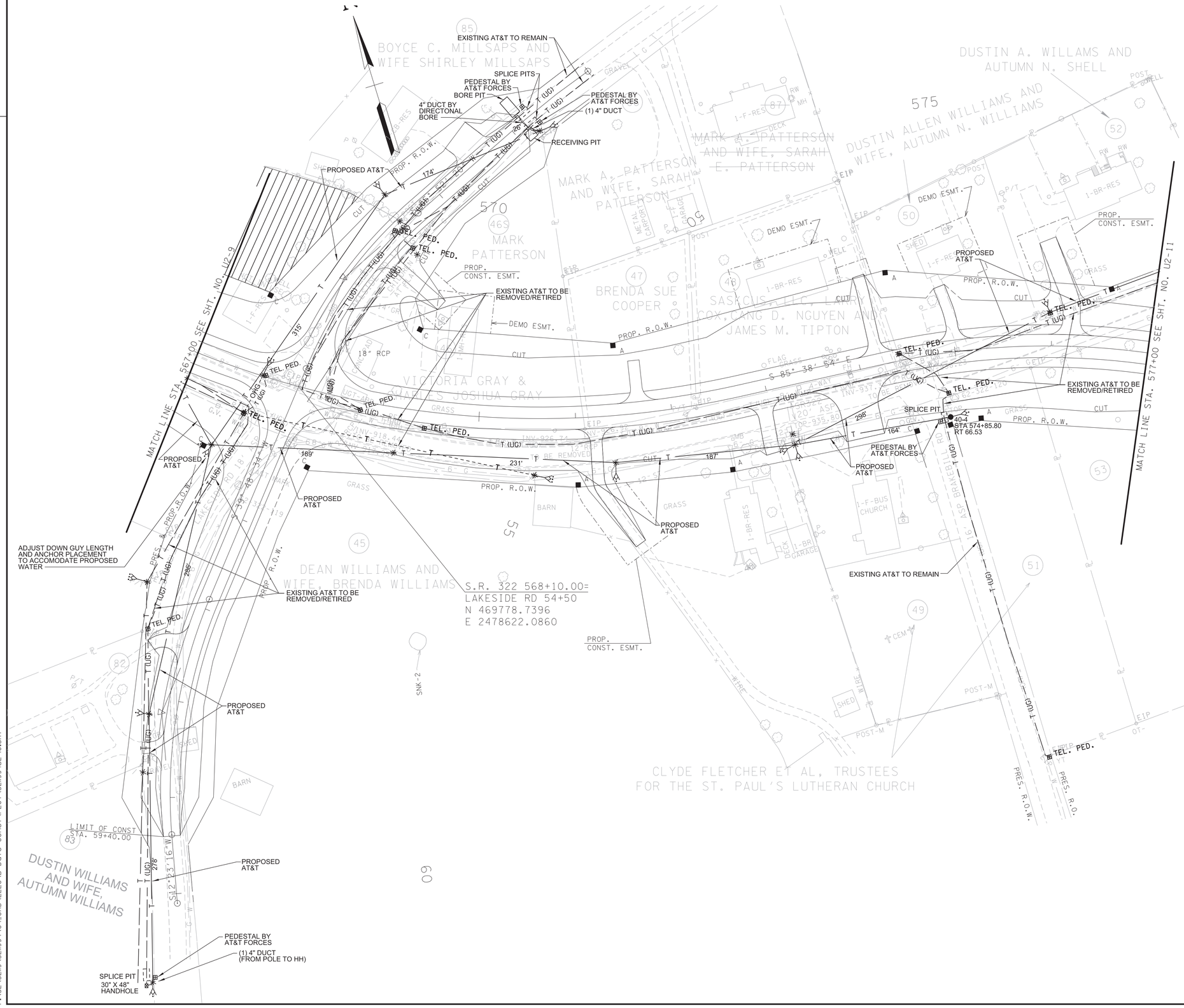
SCALE: 1"= 50'

1/13/2026
F:\32\32119\32119994\04_CAD\ELEC\B Date Const\PLOT\32119994U2-9.SHT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-10
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE



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1-13-2026

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BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 567+00 TO STA. 577+00

SCALE: 1"= 50'

1/13/2026
F:\32\32119\32119941\04_CAD\ELEC\B Data Const\PLOT\32119941U2-10.SHT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-11
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

MATCH LINE STA. 70+45 SEE SHT. NO. U2-19

54
BRENDA K. WILLIAMS AND
HUSBAND, DEAN WILLIAMS

55
DEAN WILLIAMS AND DUSTIN WILLIAMS

EXISTING AT&T TO REMAIN

PEDESTAL BY AT&T FORCES

FIELD COORDINATE SPLICE PIT WITH EXISTING WATER

EXISTING AT&T TO BE REMOVED/RETIRED

SPLICE PIT

PROP. R.O.W.

T (UG)

317

S 86° 52' 50" W

PROPOSED AT&T

580

70

GRASS

585

590

SNK-3

S.R. 322 579+00.00=
OLD S.R. 322 RD 75+00
N 469447.2112
E 2479642.5011

EXISTING AT&T TO BE REMOVED/RETIRED

S 39° 55' 48" W

CUT

FILL

GRASS

575

S 31° 50' 40" E

MATCH LINE STA. 577+00 SEE SHT. NO. U2-10

MATCH LINE STA. 590+00 SEE SHT. NO. U2-12

53
REV. NANCY ANDREWS ET AL,
TRUSTEES FOR THE
ST. PAUL'S LUTHERAN CHURCH

POSTED SIGN

PROP. CONST. ESMT.

S 58° 09' 20" W

S.R. 322 581+75.00=
BRAKEBILL RD 60+00
N 469237.2492
E 2479818.2201

MATCH LINE STA. 64+00 SEE SHT. NO. U2-15

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ANDREW J. CLARK
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Andrew J. Clark
1-13-2026
STATE OF TENNESSEE

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BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 577+00 TO STA. 590+00

SCALE: 1"= 50'

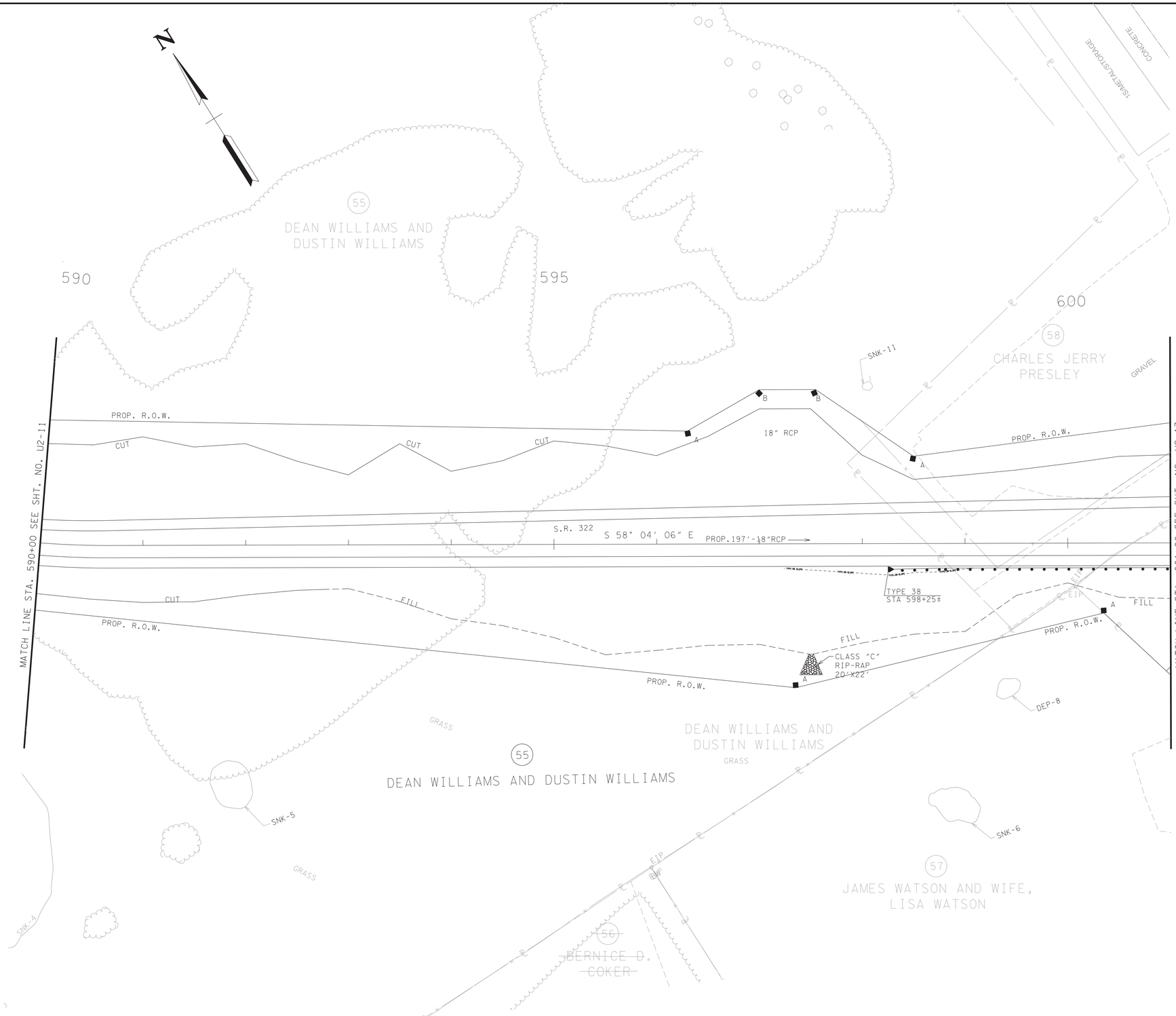
1/13/2026
F:\32\32119\32119.04_CAD\ELEC\B Date Const\PLOT\32119402-11.SHT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-12
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

NO AT&T UTILITY RELOCATIONS THIS SHEET



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PHONE (865) 637-2810 // FAX (865) 673-4554
BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 590+00 TO STA. 601+00

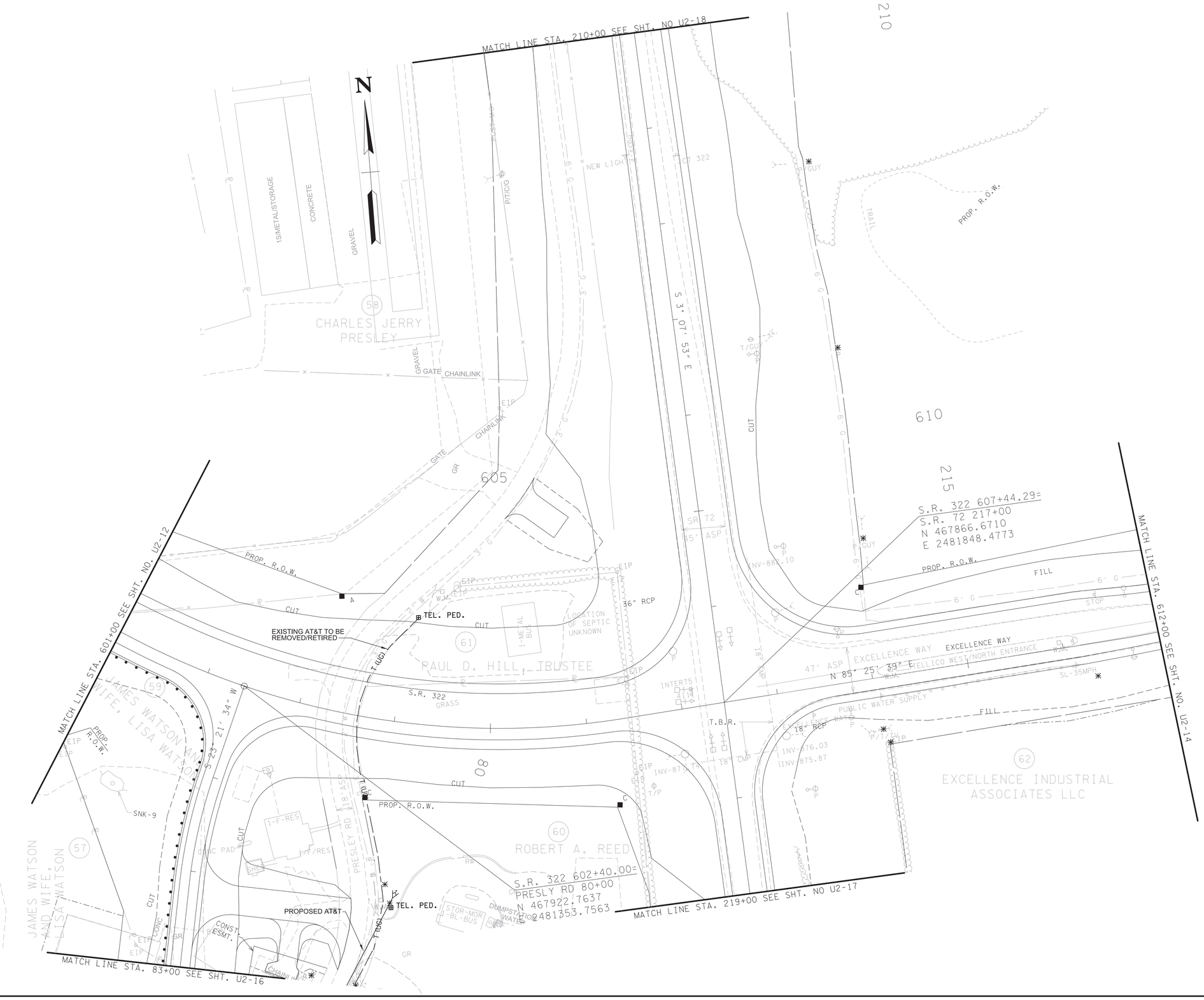
SCALE: 1"= 50'

1/13/2026
F:\32\32119\32119941\04_CAD\ELEC\B Date Const\PLOT\32119941U2-12.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-13
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

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



SEALED BY

ANDREW J. CLARK
REGISTERED ENGINEER
COMMERCE
No. 106574
STATE OF TENNESSEE
Andrew J. Clark
1-13-2026

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BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 601+00 TO STA. 612+00

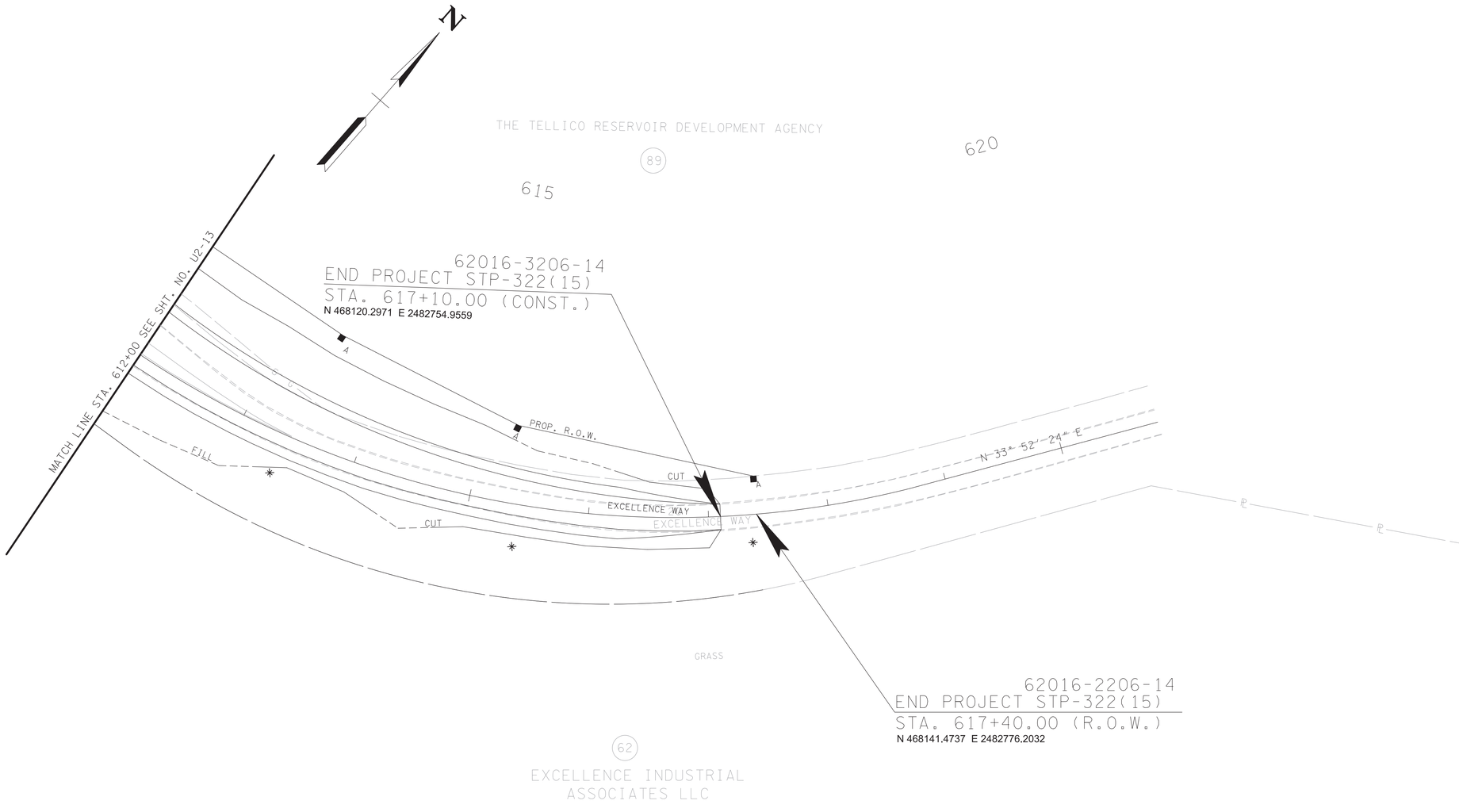
SCALE: 1"= 50'

1/13/2026
F:\32\32119\32119994\04_CAD\ELEC\B Date Const\PLOT\32119994U2-13.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-14
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

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



NO AT&T UTILITY RELOCATIONS THIS SHEET

SEALED BY

ANDREW J. CLARK
REGISTERED ENGINEER
XVI
COMMERCE
No. 86574
STATE OF TENNESSEE
Andrew J. Clark
1-13-2026

BARGE
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BARGE DESIGN PROJECT NO. 32119-94

AT&T
TENNESSEE

UTILITY RELOCATION

STA. 612+00 TO STA. 619+50

SCALE: 1"= 50'

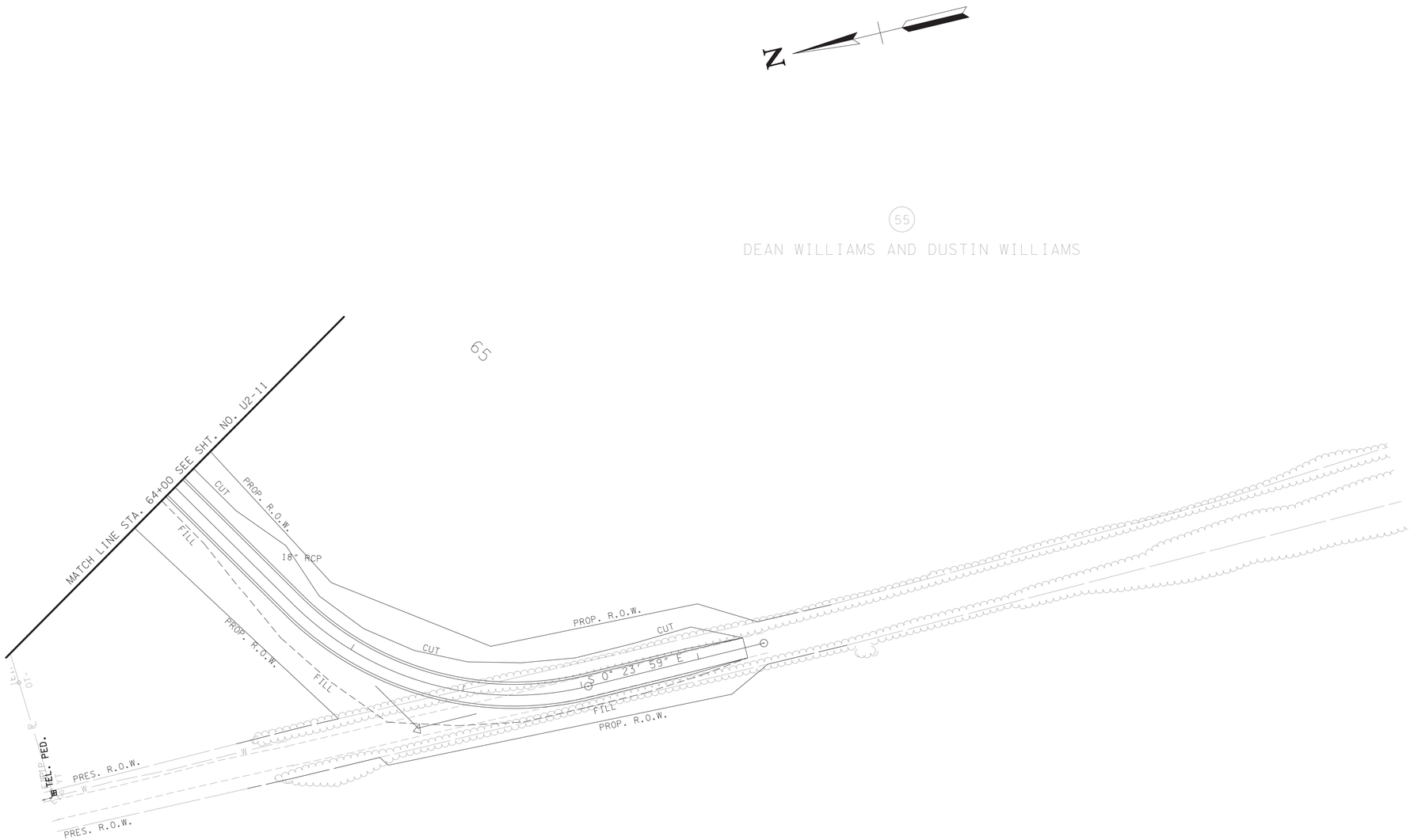
1/13/2026
F:\32\32119\32119\94\04_CAD\ELEC\B Date Const\PLOT\32119\94U2-14.SHT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-15
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

NO AT&T UTILITY RELOCATIONS THIS SHEET



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Andrew J. Clark
7-13-2026
STATE OF TENNESSEE

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BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 64+00 TO STA. 69+40

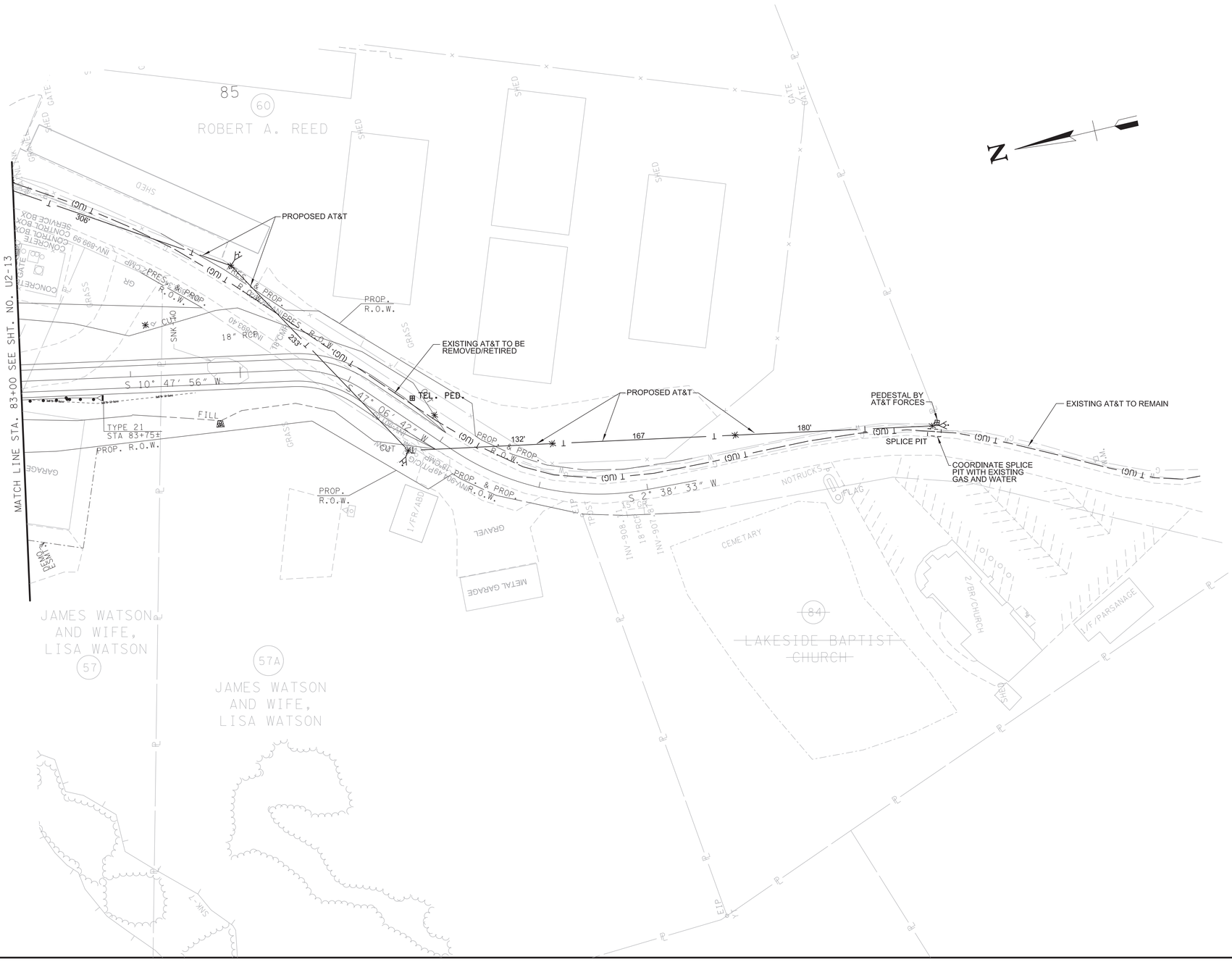
SCALE: 1"= 50'

7/13/2026
F:\32\32119\32119U4\04-CAD\ELEC\B Date Const\PLOT\32119U4U2-15.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-16
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

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



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STATE OF TENNESSEE
Andrew J. Clark
1-13-2026

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BARGE DESIGN PROJECT NO. 32119-94

AT&T
TENNESSEE

UTILITY RELOCATION

STA. 83+00 TO STA. 89+75

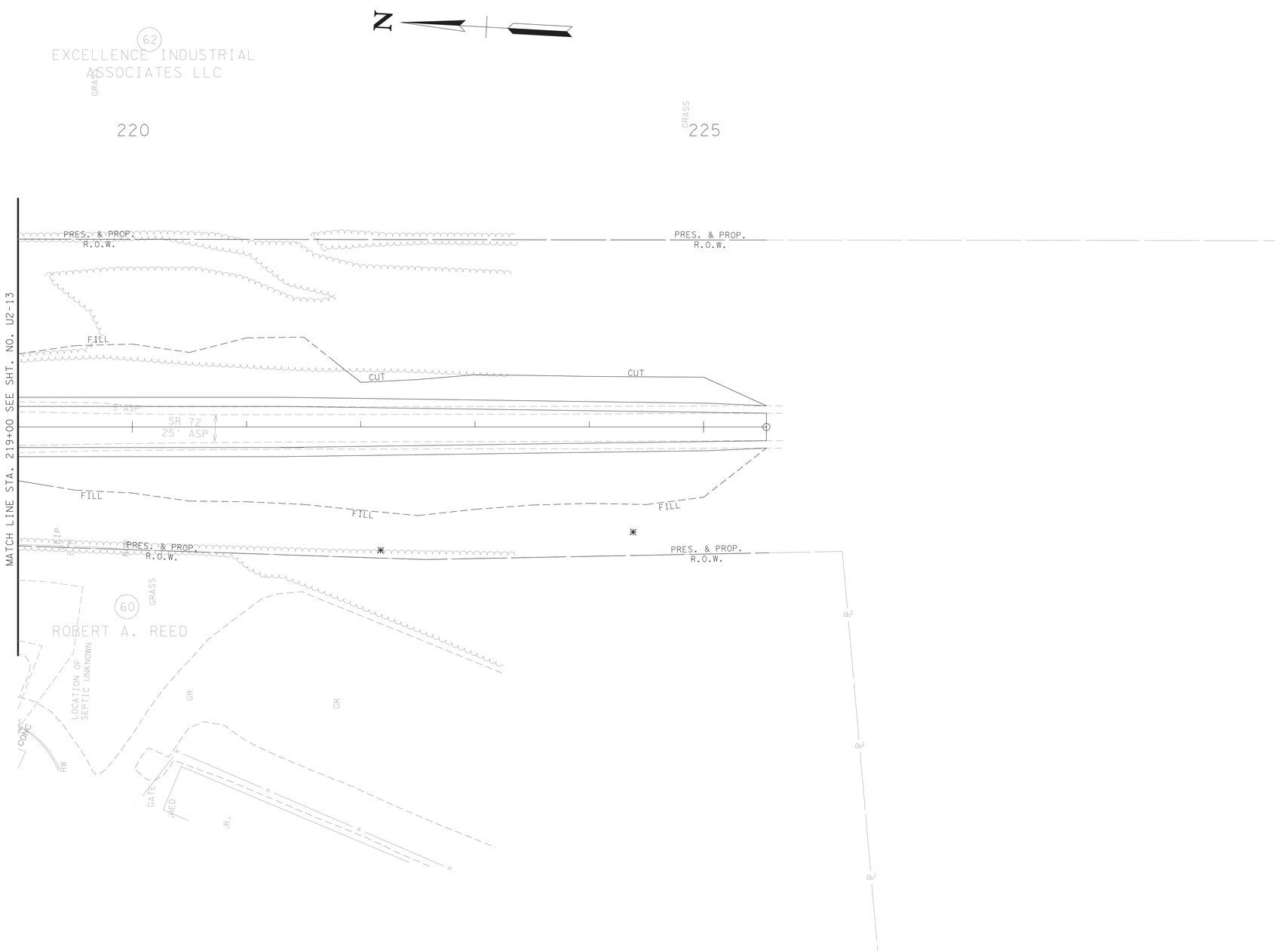
SCALE: 1"= 50'

1/13/2026
F:\32\32119\32119994\04_CAD\ELEC\B Date Const\PLOT\32119994U2-16.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-17
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

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



NO AT&T UTILITY RELOCATIONS THIS SHEET

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ANDREW J. CLARK
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XVI
Andrew J. Clark
1-13-2026
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520 West Summit Hill Drive // Suite 1202 // Knoxville, Tennessee 37902
PHONE (865) 637-2810 // FAX (865) 673-8554
BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 219+00 TO STA. 225+55

SCALE: 1"= 50'

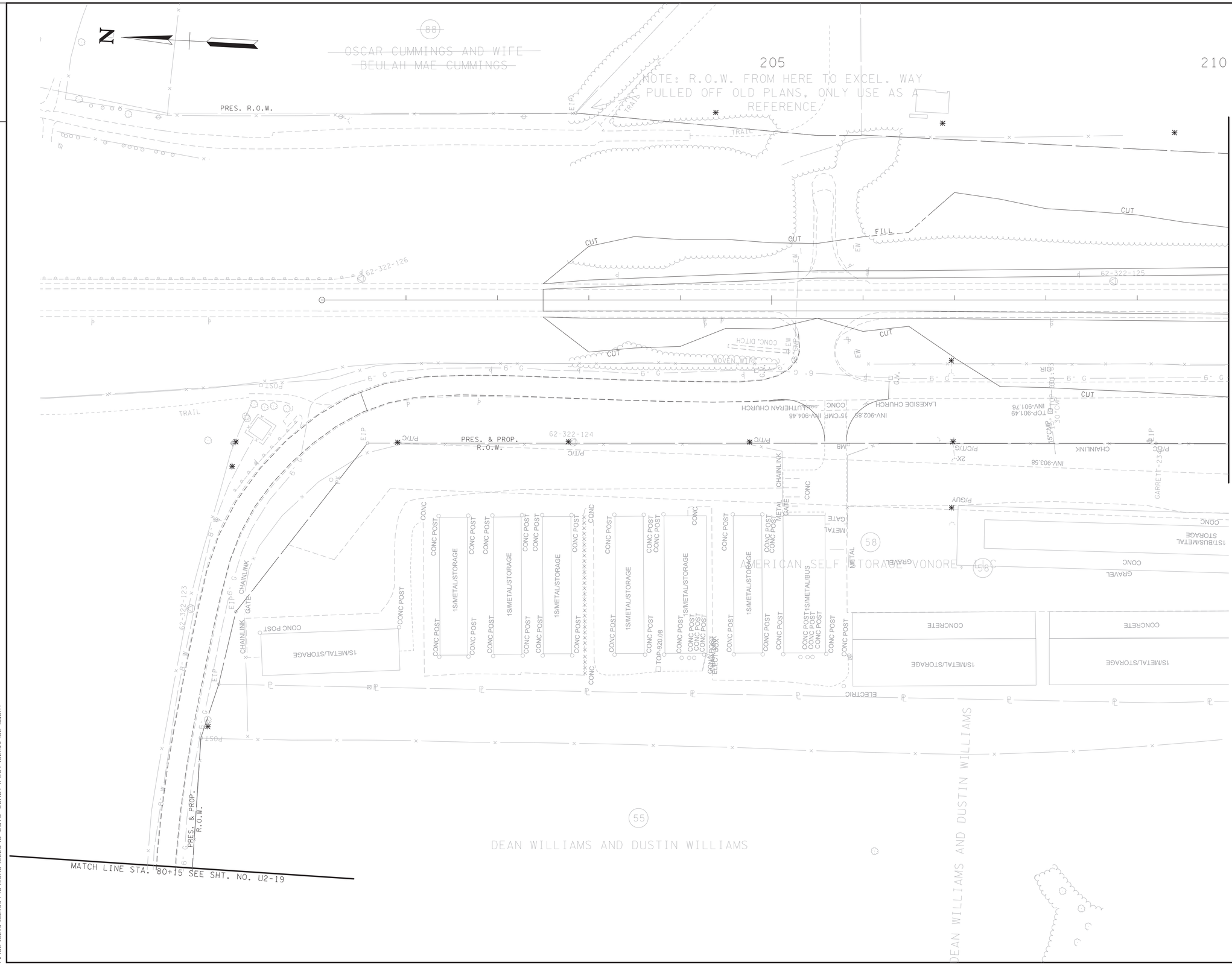
1/13/2026
F:\32\32119\32119994\04_CAD\ELEC\B Date Const\PLOT\32119994U2-17.SHT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-18
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

NO AT&T UTILITY RELOCATIONS THIS SHEET



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No. 120871
COMMERCE
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Andrew J. Clark
1-23-2026

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BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 202+50 TO STA. 210+00

SCALE: 1"= 50'

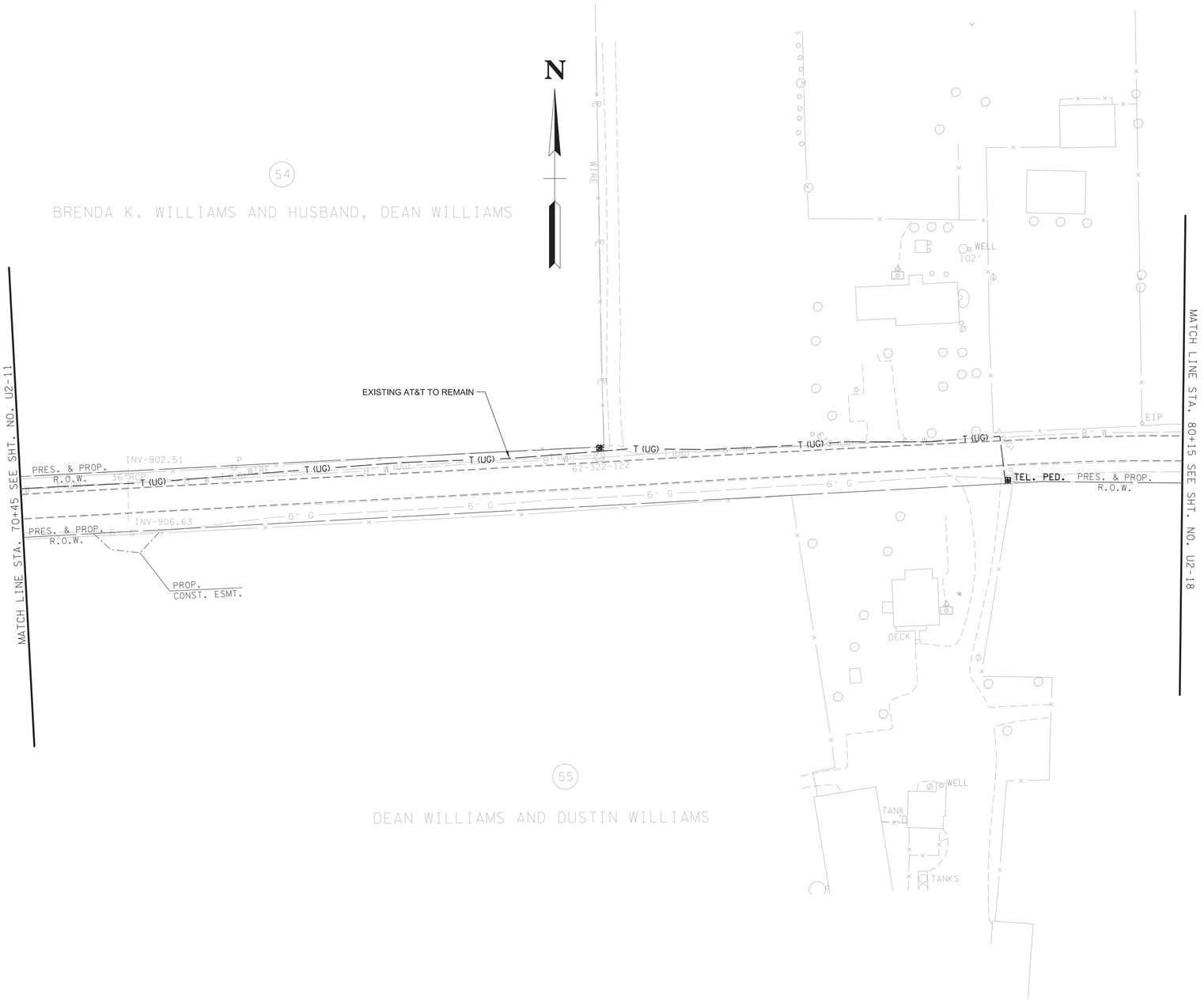
1/13/2026
F:\32\32119\32119941\04.CAD\ELEC\1B Date Const\PLOT\32119941U2-18.SHT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-19
		62016-3206-14	

SR-322 SHEPPARD ROAD TO SR-72 MONROE

NO AT&T UTILITY RELOCATIONS THIS SHEET



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1-13-2026
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BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION

STA. 70+45 TO STA. 80+15

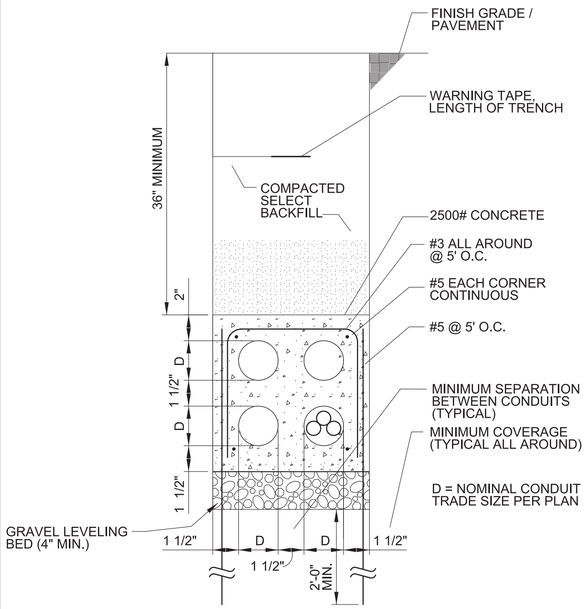
SCALE: 1"= 50'

1/13/2026
F:\32\32119\32119941\04_CAD\ELEC\B Date Const\PLOT\32119941U2-19.SHT

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

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U2-20
		62016-3206-14	

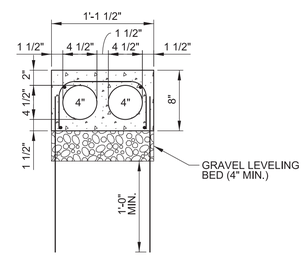
SR-322 SHEPPARD ROAD TO SR-72 MONROE



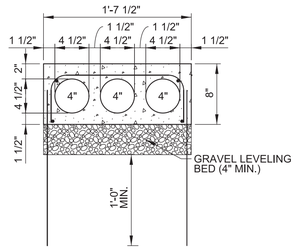
1 U2-20 **TYPICAL DUCTBANK SECTION**
NOT TO SCALE

TYPICAL DUCTBANK NOTES:

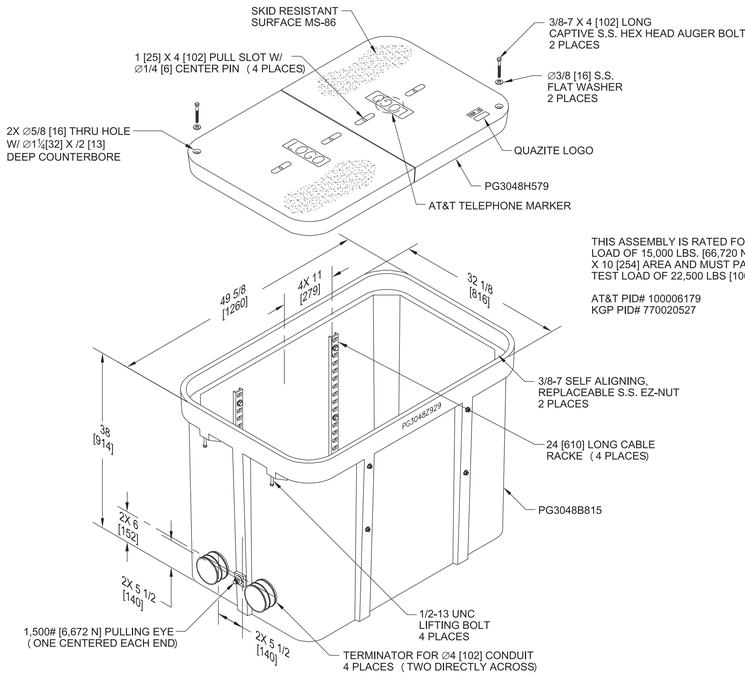
1. CONTRACTOR SHALL FURNISH AND INSTALL STEEL REINFORCED CONCRETE ENCASED DUCTBANK AS PER DETAILS ONLY WHEN SPECIFIED ON THE DRAWINGS.
2. DUCTBANK REINFORCING SHALL BE (4) - #5 REINFORCING STEEL EXTENDING THE ENTIRE LENGTH OF DUCTLINE AND SHALL BE INSTALLED USING BASE & INTERMEDIATE SPACERS THAT PROVIDE SEPARATION SHOWN IN SECTIONS WITH (2) - #5 REINFORCING STEEL TIE-DOWNS & (1) #3 REINFORCING STEEL STIRRUP AT 5'-0" INTERVALS. THE DUCTLINE SHALL BE INSTALLED ON A LEVEL BED OF GRAVEL 4" MIN. DEPTH.
3. DUCTBANK SHALL BE ENCASED WITH FLOWABLE FILL UNDER OR WITHIN 3 FEET OF EDGE OF PAVEMENT. SAND OR PUG MIX BACKFILL IS SUITABLE IN OTHER AREAS.
4. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED.
5. PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD THE EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. FURNISH ANY SPECIAL EQUIPMENT REQUIRED TO WORK OVER AND AROUND THE UTILITIES.
6. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS TO NOTIFY THEM OF WORK IN THE AREA AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY. NOTIFICATION SHALL BE GIVEN AT LEAST THREE BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
7. UTILITIES CAN BE LOCATED BY CALLING THE TENNESSEE ONE CALL SYSTEM, AT 811.
8. DUCTBANK DESIGN AND SAFETY FOR DUCTBANK CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, NATIONAL CODES, OSHA REGULATIONS, AND AUTHORITIES HAVING JURISDICTION.
9. THE STONE BEDDING AND BACKFILL SHALL BE DONE IN STRICT COMPLIANCE WITH TENNESSEE DEPT. OF TRANSPORTATION STANDARDS, AND THE PROJECT SPECIFICATIONS.
10. CONDUIT SHALL BE SCHEDULE 40 PVC. FURNISH AND INSTALL 1 1/4" MULTI CELL INNER DUCT AS INDICATED.



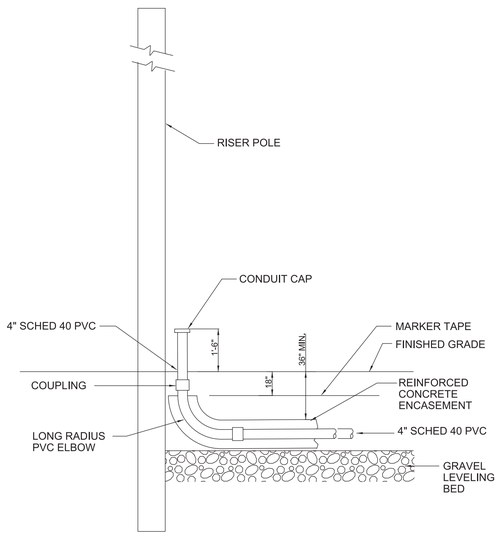
2 U2-20 **TYPICAL DUCTBANK SECTION 1x2**
NOT TO SCALE



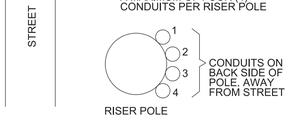
3 U2-20 **TYPICAL DUCTBANK SECTION 1x3**
NOT TO SCALE



6 U2-20 **TYPICAL AT&T 30X48X36 HANDHOLE DETAIL**
NOT TO SCALE



4 U2-20 **RISER POLE**
SCALE: N.T.S.



5 U2-20 **CONDUIT ARRANGEMENT**
SCALE: N.T.S.

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BARGE DESIGN PROJECT NO. 32119-94

AT&T TENNESSEE

UTILITY RELOCATION DETAILS

SCALE: NONE

1/13/2026
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UTILITY INDEX

SHEET NAME	SHEET NUMBER
ESTIMATED UTILITY QUANTITIES	U3-1
GENERAL NOTES	U3-2
ONE LINE DIAGRAM	U3-3
UTILITY RELOCATION STA. 500+41.07 TO STA. 509+00.00	U3-4
UTILITY RELOCATION STA. 509+00 TO 522+00	U3-5
UTILITY RELOCATION STA. 522+00 TO 535+00	U3-6
UTILITY RELOCATION STA. 535+00 TO 548+00	U3-7
UTILITY RELOCATION STA. 548+00 TO 557+00	U3-8
UTILITY RELOCATION STA. 557+00 TO 567+00	U3-9
UTILITY RELOCATION STA. 567+00 TO 577+00	U3-10
UTILITY RELOCATION STA. 577+00 TO 590+00	U3-11
UTILITY RELOCATION STA. 590+00 TO 601+00	U3-12
UTILITY RELOCATION STA. 601+00 TO 612+00	U3-13
UTILITY RELOCATION STA. 612+00 TO 619+50	U3-14
UTILITY RELOCATION STA. 64+00 TO 69+40	U3-15
UTILITY RELOCATION STA. 83+00 TO 89+75	U3-16
UTILITY RELOCATION STA. 219+00 TO 225+55	U3-17
UTILITY RELOCATION STA. 202+50 TO 210+00	U3-18
UTILITY RELOCATION STA. 70+45 TO 80+15	U3-19
DETAILS	U3-20
DETAILS	U3-21
DETAILS	U3-22
DETAILS	U3-23
DETAILS	U3-24

ESTIMATED UTILITY QUANTITIES					
			Project No. 1: 62016-3206-14		
FOOTNOTES	ITEM NO.	DESCRIPTION	LUB/RUS UNITS	UNIT	QUANTITY
1	790-03.03	POLE 40FT CLASS 4 WOOD	40'-4 WP	EACH	4
1	790-04.01	POLE 45FT CLASS 1 WOOD	45'-1 WP	EACH	2
1	790-04.02	POLE 45FT CLASS 2 WOOD	45'-2 WP	EACH	3
1	790-04.03	POLE 45FT CLASS 3 WOOD	45'-3 WP	EACH	39
1	790-05.02	POLE 50FT CLASS 2 WOOD	50'-2 WP	EACH	8
1	790-07.02	POLE 60FT CLASS 2 WOOD	60'-2 WP	EACH	1
1	790-08.01	POLE 65FT CLASS 2 WOOD	65'-2 WP	EACH	1
2	790-21.04	1Ø SGL SUPPORT 15KV	A1.3	EACH	4
2	790-21.05	1Ø DBL PRIMARY SUPPORT 15KV	A2.3	EACH	1
2	790-21.07	1Ø PRIMARY LG ANGLE 15KV	A3.1	EACH	6
2	790-21.08	1Ø DEADEND 15KV	A5.1	EACH	4
2	790-21.09	1Ø PRIMARY TAP 15KV	A5.3	EACH	16
2	790-21-18	1PH DDE FEED THROUGH 15KV	A4.1 & A4.2	EACH	6
2	790-25.01	3Ø CROSSARM SGL 15KV	C1.13L	EACH	24
2	790-25.07	3Ø CROSSARM DBL LRG COND 15KV	C2.21L	EACH	9
2	790-25.19	3Ø VERTICAL DEADEND 15KV	C3.1	EACH	4
2	790-25.21	3Ø CROSSARM DEADEND SGL 15KV	C5.71L	EACH	5
2	790-25.24	3Ø CROSSARM DDE LRG COND 15KV	C6.21	EACH	2
	790-30.03	SECONDARY ASSEMBLIES DEADEND	K1.1	EACH	9
	790-30.09	SECONDARY CONDUCTOR 1/0 AL DUPLEX	SECONDARY DPX	LF	90
	790-30.14	SECONDARY CONDUCTOR 1/0 AL TRIPLEX	SECONDARY TPX	LF	687
	790-32.02	DOWN GUY - THROUGH BOLT TYPE HEAVY DUTY	E1.1L	EACH	63
	790-32.07	OH GUY - THROUGH BOLT TYPE	E1.4	EACH	2
	790-32.25	ANCHOR (DESCRIPTION)	F2.10	EACH	51
	790-36.06	TRANSFER LIGHT		EACH	3
	790-36.09	TRANSFER - 1TR XFMR ASSEMBLY		EACH	3
	790-36.13	TRANSFER STREET LIGHT		EACH	6
	790-36.15	TRANSFER FRAMING/ASSOCIATED APPARATUS		EACH	1
	790-40.03	OH COND 1/0 6/1 ACSR RAVEN		LF	5762
	790-40.42	OH COND 336.4 19 AAC TULIP		LF	9200
	790-40.46	OH COND 556.5 19 AAC DAHLIA		LF	26802
4	790-41.03	UG PRI COND 1/0 AL 15KV	UG PRIMARY	LF	672
	790-41.46	UG SEC COND 1/0 AL TPLX	UG SECONDARY	LF	623
3	790-42.16	1 DUCT @ 36IN-48IN DEPTH	UG SEC CONDUIT	L.F.	599
3	790-42.17	2 DUCT BANK @ 36IN-48IN DEPTH	UG PRI CONDUIT	L.F.	672
	790-43.50	SECONDARY RISER W/ 2IN CONDUIT	UM-5-2	EACH	3
	790-43.53	1PH PRIMARY RISER W/ 3IN CONDUIT	1PH RISER	EACH	2
	790-43.64	URD SPLICE 46KV	UG PRI SPLICE	EACH	2
5	790-46.01	1Ø TRANSFORMER	G1.2-15,25,50	EACH	8
	790-59.03	CUTOUT KNIFE SWITCH-SNGL LOADBREAK 25KV	S1.1	EACH	14
	790-60.09	3Ø SECTIONALIZER OR RECL 15KV	R3.3	EACH	1
	790-65.03	LIGHTNING ARRESTER ARM MTD 9 KV	P1.1	EACH	1
	790-68.01	POLE GROUND ROD TYPE	H1.1	EACH	22
	790-68.02	POLE GROUND PLATE TYPE	H5.1	EACH	35
	790-68.07	POLE GROUND FOR AIR BREAK SWITCH	H3.1	EACH	1
	790-73.11	SWITCH GOAB 1W 600A 69KV MAX	S2.32	EACH	1
	793-11.21	HANDHOLE (36IN X 24IN X 24IN)	SECONDARY HH	EACH	3
6	790-98.01	REMOVE WIRE		L.F.	42516
7	790-98.02	REMOVE POLES		EACH	65
8	790-98.03	REMOVE FRAMING/ASSOCIATED APPARATUS		EACH	296

FOOTNOTES:

1 INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR COMPLETE INSTALLATION INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, DIGGING HOLE, FILLING HOLE, BLASTING, BUTT WRAP OR SINGLE GROUND ROD, MGNV, NUMBERING POLE. INSTALLATION INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, DIGGING HOLE, FILLING HOLE, BLASTING, BUTT WRAP OR SINGLE GROUND ROD, MGNV, NUMBERING POLE.

2 INCLUDES MISCELLANEOUS MATERIALS EXCEPT SECTIONALIZER AND RECLOSER -SECTIONALIZER OR RECLOSER CALLED OUT SEPARATELY.

3 ASSEMBLIES OF SIMILAR CONSTRUCTION BUT DIFFERING ONLY IN USE OF EPOXY VS. PORCELAIN INSULATORS OR FIBERGLASS VS. WOOD CROSSARMS OR LACK OF NEUTRAL ASSEMBLY SHOULD BE GROUPED WITHIN THE SAME ITEM.

4 INCLUDES SHIELDED CABLE, FULL NEUTRAL CABLE, 1/3 NEUTRAL CABLE, 100% AND 133% INSULATION LEVELS

5 USE WITH COMPLETELY SELF PROTECTED, CONVENTIONAL TRANSFORMERS WITH TANK MOUNTED FUSE AND ARRESTER AND TRANSFORMERS WITH DOUBLE GAP ARRESTER AND INTERNAL FUSE, 15KV AND 25KV. INCLUDES ALL MISCELLANEOUS MATERIALS EXCEPT TRANSFORMER.

6 INCLUDES DROP WIRE, OH GUYS, MAIN LINE WIRE

7 INCLUDES MAINLINE POLES, SERVICE POLES,STUB POLES

8 INCLUDES CROSSARMS, TRANSFORMERS, SWITCHES, ETC.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-1

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

Loudon Utilities Board

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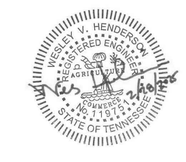

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

ESTIMATED UTILITY QUANTITIES

SCALE: NONE

1/6/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-2

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

GENERAL NOTES:

1. THE TOPOGRAPHIC & BOUNDARY DATA WAS TAKEN FROM A SURVEY RECEIVED FROM TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT).
2. ALL CONTRACTOR INSTALLATIONS MUST BE INSPECTED BY LUB. CONTACT LUB ENGINEERING AT LEAST THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION. CALL THE TENNESSEE ONE CALL SYSTEM AT 1-800-351-1111.
4. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS TO NOTIFY THEM OF WORK IN THE AREA AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY. NOTIFICATION SHALL BE GIVEN AT LEAST THREE BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
5. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY POTHOLING AND BY CONTACTING THE UTILITY COMPANIES INVOLVED.
6. PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. FURNISH ANY SPECIAL EQUIPMENT REQUIRED TO WORK OVER AND AROUND THE UTILITIES AT NO ADDITIONAL COST.
7. TRENCH DESIGN AND SAFETY FOR UNDERGROUND CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, AND OSHA REGULATIONS.
8. THE PROPOSED SITE LAYOUT SHOWN ON THESE DRAWINGS IS APPROXIMATE. REFER TO ROADWAY PLANS FOR ACTUAL DIMENSIONS. COORDINATE WITH ON-SITE SURVEYOR TO MARK PROPOSED FACILITIES, PROPOSED GRADE CHANGE, AND RIGHT-OF-WAY BEFORE SETTING POLES. ALL INSTALLATIONS SHALL BE LOCATED OUTSIDE OF PAVED AREAS UNLESS OTHERWISE NOTED.
9. TDOT WILL IMPLEMENT AND MAINTAIN TRAFFIC CONTROL AS SHOWN ON PLANS. THIS DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES TO THE SAFETY OF THE TRAVELING PUBLIC. CONTRACTOR IS RESPONSIBLE FOR INCLUDING ANY ADDITIONAL TRAFFIC CONTROL DEEMED NECESSARY IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
10. EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDEC'S EROSION AND SEDIMENT CONTROL HANDBOOK. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. QUANTITIES SHOWN ON MATERIAL LISTS ARE NOT INTENDED TO BE CONTRACTUAL LIMITS. BIDDER SHALL EXAMINE JOB SITE, PLANS, SPECIFICATIONS, AND STANDARDS AND SHALL INCLUDE ALL INCIDENTAL MATERIALS AND QUANTITIES NEEDED FOR A COMPLETE INSTALLATION IN THEIR BID.

ELECTRIC UTILITY NOTES:

1. WORK SHALL CONFORM TO NATIONAL, STATE, & LOCAL CODES AS WELL AS TO LOUDON UTILITIES BOARD (LUB) STANDARD DRAWINGS, SPECIFICATIONS, & CONTRACT DOCUMENTS. WHERE A CONFLICT EXISTS BETWEEN APPLICABLE CODES, THE MOST CONSERVATIVE OR STRINGENT VERSION SHALL BE APPLIED.
2. CONTRACTOR SHALL OBTAIN LATEST COPY OF STANDARD DRAWINGS AND SPECIFICATIONS FROM TDOT PRIOR TO PLACING MATERIAL ORDER AND BEGINNING WORK.
3. POLE NUMBERS REFERENCED ON PLANS ARE FOR LOCATION REFERENCE ONLY. CONTRACTOR TO LABEL EQUIPMENT PER CURRENT LUB SPECIFICATIONS. ANY BLANK NUMBERS (I.E., #) SHOWN ON PLANS SHALL BE OBTAINED FROM LUB PROJECT REPRESENTATIVE. COORDINATE WITH LUB ENGINEERING (TRAVIS WILLIAMS) FOR FINAL POLE NUMBERS WHERE APPLICABLE.
4. LUB WILL FURNISH PROPOSED TRANSFORMERS. COORDINATE WITH LUB ENGINEERING MANAGER PRIOR TO INSTALLING NEW OR TRANSFERRED TRANSFORMERS TO CONFIRM TRANSFORMER SIZE AND LOADING REQUIREMENTS. TRANSFORMERS THAT ARE REMOVED SHALL BE RETURNED TO LUB. ALL OTHER MATERIAL TO BE RETURNED TO LUB UNLESS OTHERWISE NOTED.
5. LUB WILL PROVIDE TRANSFORMER INFORMATION SHEETS AND CONTRACTOR WILL BE REQUIRED TO COMPLETE AND RETURN A TRANSFORMER INFORMATION SHEET FOR EACH TRANSFORMER UNIT REMOVED AND INSTALLED ON THE PROJECT.
6. RE-ATTACH ALL TAP AND TRANSFORMER CONNECTIONS AS NEEDED TO MAINTAIN EXISTING PHASE CONNECTIONS. COORDINATE ANY NEW CONNECTIONS WITH LUB DISPATCH OR LUB PROJECT MANAGER.
7. POLE LOCATION COORDINATES ARE FOR GENERAL LOCATION REFERENCE. CONTRACTOR SHALL ADJUST TANGENT POLES WHERE POSSIBLE TO ELIMINATE UNNECESSARY LINE ANGLES.
8. SPAN LENGTHS ARE APPROXIMATE AND MEASURED FROM CENTER OF POLE TO CENTER OF POLE.
9. PRIOR TO PULLING CONDUCTORS, CONTRACTOR SHALL REQUEST APPROPRIATE SAG CHARTS TO ENSURE CORRECT INSTALLATION TENSIONS.
10. EXISTING CONDUCTORS SHALL BE TRANSFERRED TO NEW POLES EXCEPT WHERE NOTED TO BE REMOVED. IF EXISTING CONDUCTORS ARE FOUND TO BE IN POOR CONDITION, COORDINATE WITH LUB FOR REPLACEMENT. LABOR FOR CONDUCTOR TRANSFER FROM OLD POLES TO NEW POLES SHALL BE INCLUDED IN THE COST OF INSTALLATION AND REMOVAL OF POLE FRAMINGS. WHERE APPLICABLE, SPLICE AND SLEEVE CONDUCTORS PER LUB STANDARDS AND SPECIFICATIONS.
11. COORDINATE ALL TRANSFORMER AND SERVICE OUTAGES WITH LUB A MINIMUM OF TEN (10) WORKING DAYS PRIOR TO OUTAGE.
12. CONDUCTOR SIZES SHOWN ON PLANS ARE ESTIMATED FROM RECORD DRAWINGS AND GROUND-LEVEL FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT INSULATORS, CLAMPS, OR OTHER HARDWARE ITEMS ARE SIZED APPROPRIATELY.
13. INSTALL FIBERGLASS STRAIN INSULATORS WHERE DOWNGUY PASSES WITHIN 12-INCHES OF ENERGIZED CONDUCTOR.
14. INSTALL YELLOW PLASTIC, FULL-ROUND, SLIT-SPIRAL GUYGUARDS ON THE TOP MOST DOWNGUY AT EACH ANCHOR.
15. UNLESS OTHERWISE NOTED, POLE EMBEDMENT SHALL BE A MINIMUM OF 6 FEET OR 10% OF TOTAL POLE HEIGHT PLUS 2 FEET, WHICHEVER IS GREATER. FOR POLES INSTALLED PRIOR TO FINAL GRADING, POLE EMBEDMENT DEPTHS SHALL BE MEASURED FROM FINAL GRADE FOR PROPOSED CUT AREAS AND EXISTING GRADE FOR PROPOSED FILL AREAS.
16. POLE HEIGHTS HAVE BEEN SELECTED PER FINAL GRADE. IF GRADING CANNOT BE COMPLETED PRIOR TO POLE INSTALLATION, COORDINATE WITH GRADING CONTRACTOR, LUB PROJECT REPRESENTATIVE, AND LUB PROJECT MANAGER TO DETERMINE BEST COURSE OF ACTION.
17. BACKFILL MATERIAL SHALL BE CLEAN, COMPACTABLE SOIL OR CLEAN, DAMP CRUSHER RUN UNLESS OTHERWISE NOTED. TRANSMISSION POLES SHALL ALWAYS BE BACKFILLED WITH CLEAN, DAMP CRUSHER RUN. PROPERLY DISPOSE OF UNSUITABLE BACKFILL MATERIAL SUCH AS ROCKS, SAND, SWAMPY, OR MUCKY SOIL IF FOUND DURING EXCAVATION.
18. TREE TRIMMING FOR PROPOSED ELECTRICAL LINES MAY BE OUTSIDE OF PROPOSED ROADWAY CLEARING. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH PRIME CONTRACTOR TO ENSURE THAT ALL TREE TRIMMING WITHIN ELECTRICAL RIGHT-OF-WAY HAS BEEN ACCOUNTED FOR WITH THE APPROPRIATE BID ITEM. COORDINATE WITH LUB AND PROPERTY OWNER(S) PRIOR TO ANY TREE-TRIMMING OR CLEARING OUTSIDE THE RIGHT-OF-WAY.
19. RUS STYLE CONSTRUCTION UNITS ARE PRIMARILY USED FOR LUB. CONSULT RUS DRAWINGS FOR REFERENCE WHERE NOT PROVIDED IN THIS CONSTRUCTION PACKAGE.

TDOT STANDARD UTILITY NOTES

1. EXCEPT FOR EROSION SEDIMENT CONTROL ITEMS, NO ROADWAY OR BRIDGE ITEMS SHALL BE UTILIZED TO COMPENSATE FOR WORK METHODS OR MATERIALS ASSOCIATED WITH AND/OR SPECIFIED FOR THE UTILITY INSTALLATION, EVEN THOUGH THE SAME OR SIMILAR ROADWAY OR BRIDGE MATERIALS MAY HAVE BEEN CALLED FOR IN THE UTILITY SPECIFICATIONS OR DRAWINGS.
2. ALL MATERIALS, METHODS, AND/OR INTEGRAL MATERIALS OUTLINED IN THE UTILITY SPECIFICATIONS OR DRAWINGS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION MUST BE INCLUDED IN THE UNIT PRICE FOR THE ASSOCIATED UTILITY WORK ITEM.
3. THE CONTRACTOR MUST MAINTAIN ALL SERVICES DURING THE CONSTRUCTION OF THE RELOCATED FACILITY. ANY COSTS ASSOCIATED WITH INSTALLATION OF REQUIRED TEMPORARY SERVICE LINES DUE TO THE ROADWAY CONSTRUCTION SEQUENCE OF WORK (I.E., CUTS, FILLS, PHASING, ETC.) SHALL BE INCLUDED IN THE COST OF THE PERMANENT UTILITY ITEMS.
4. IT SHALL BE THE RESPONSIBILITY OF THE PRIME CONTRACTOR'S SURVEYOR TO LAY OUT ALL THE FACILITIES BEING RELOCATED WITHIN THE CONTRACT.
5. FOR BURIED UTILITIES, THE PRIME CONTRACTOR OR SUBCONTRACTOR SHALL BE REQUIRED TO PROVIDE TO THE UTILITY, UPON COMPLETION OF THE UTILITY'S RELOCATION WORK, A SET OF AS-BUILT DRAWINGS FOR THEIR RECORDS. THESE AS-BUILT DRAWINGS SHOULD BE PREPARED AS THE JOB PROGRESSES TO ENSURE THEIR ACCURACY.
6. WHERE EROSION CONTROL MEASURES ARE NEEDED FOR THE UTILITY RELOCATION WORK OCCURRING INSIDE OR OUTSIDE STATE RIGHT-OF-WAY, THE CONTRACTOR SHALL SUBMIT TO THE TDOT PROJECT SUPERVISOR FOR APPROVAL A PROPOSED EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING THE WORK. TDOT APPROVAL MUST BE RECEIVED BEFORE THE EROSION CONTROL PAY ITEMS FOR ROADWAY CONSTRUCTION CAN BE USED FOR ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED FOR THE UTILITY RELOCATION WORK.
7. DRIVEWAY, SIDEWALK, AND ROADWAY TEMPORARY RESTORATION SHALL BE PART OF THE IN-PLACE COST OF PLACING THE UTILITY ITEM WITHIN THE RIGHT-OF-WAY.

LEGEND:

EXISTING PRIMARY CONDUCTOR(S) TO REMAIN	EXISTING OVERHEAD TRANSFORMER(S) TO REMAIN OR TO BE TRANSFERRED TO NEW POLE
EXISTING PRIMARY CONDUCTOR(S) TO BE REMOVED	EXISTING OVERHEAD TRANSFORMER(S) TO BE REMOVED
PROPOSED PRIMARY CONDUCTOR(S) TO BE INSTALLED	PROPOSED OVERHEAD TRANSFORMER(S) TO BE INSTALLED
EXISTING SECONDARY DUPLEX OR SERVICE CONDUCTOR(S) TO REMAIN	
EXISTING SECONDARY DUPLEX OR SERVICE CONDUCTOR(S) TO BE REMOVED	WORK OFF OF TDOT ROW
PROPOSED SECONDARY DUPLEX OR SERVICE CONDUCTOR(S) TO BE INSTALLED	
EXISTING SECONDARY TRIPLEX OR SERVICE CONDUCTOR(S) TO REMAIN	
EXISTING SECONDARY TRIPLEX OR SERVICE CONDUCTOR(S) TO BE REMOVED	
PROPOSED SECONDARY TRIPLEX OR SERVICE CONDUCTOR(S) TO BE INSTALLED	110
EXISTING SECONDARY UNDERGROUND OR SERVICE CONDUCTOR(S) TO REMAIN	PROPOSED ROADWAY CENTERLINE & STATION IDENTIFICATION
EXISTING SECONDARY UNDERGROUND OR SERVICE CONDUCTOR(S) TO BE REMOVED	
PROPOSED SECONDARY UNDERGROUND OR SERVICE CONDUCTOR(S) TO BE INSTALLED	15° PROPOSED LINE ANGLE
EXISTING HEADGUY(S) TO REMAIN	
EXISTING HEADGUY(S) TO BE REMOVED	
PROPOSED HEADGUY(S) TO BE INSTALLED	
EXISTING POWER UTILITY POLE TO REMAIN	
EXISTING POWER UTILITY POLE TO BE REMOVED	
PROPOSED POWER UTILITY POLE TO BE INSTALLED	
EXISTING COMMUNICATIONS UTILITY POLE TO REMAIN	
EXISTING COMMUNICATIONS UTILITY POLE TO BE REMOVED	
PROPOSED COMMUNICATIONS UTILITY POLE	
PROPOSED COMMUNICATIONS UTILITY POLE TO BE REPLACED	
EXISTING POWER UTILITY ANCHOR & DOWNGUY(S) TO REMAIN	
EXISTING POWER UTILITY ANCHOR & DOWNGUY(S) TO BE REMOVED	
PROPOSED POWER UTILITY ANCHOR & DOWNGUY(S) TO BE INSTALLED	
PROPOSED HANDHOLE	

AA	ALL ALUMINUM CONDUCTOR
ACSR	ALUMINUM CONDUCTOR STEEL REINFORCED
CU	COPPER
DI	DUCTILE IRON
DX	DUPLEX CABLE
EXST.	EXISTING
NEU	NEUTRAL
OWS	OPEN WIRE SECONDARY
PRI	PRIMARY
PVT LT	PRIVATE LIGHT (OWNED BY HEC)
QX	QUADRUPLEX CABLE
RR	RAILROAD
R.T.S.	REDUCED TENSION SPAN
SEC	SECONDARY
STLT	STREET LIGHT (OWNED BY OTHERS)
TX	TRIPLEX CABLE
TYP.	TYPICAL
UG	UNDERGROUND
WP	WOOD POLE

Loudon Utilities Board

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COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

CONSTRUCTION NOTES & LEGEND

SCALE: N.T.S.

1/6/2026
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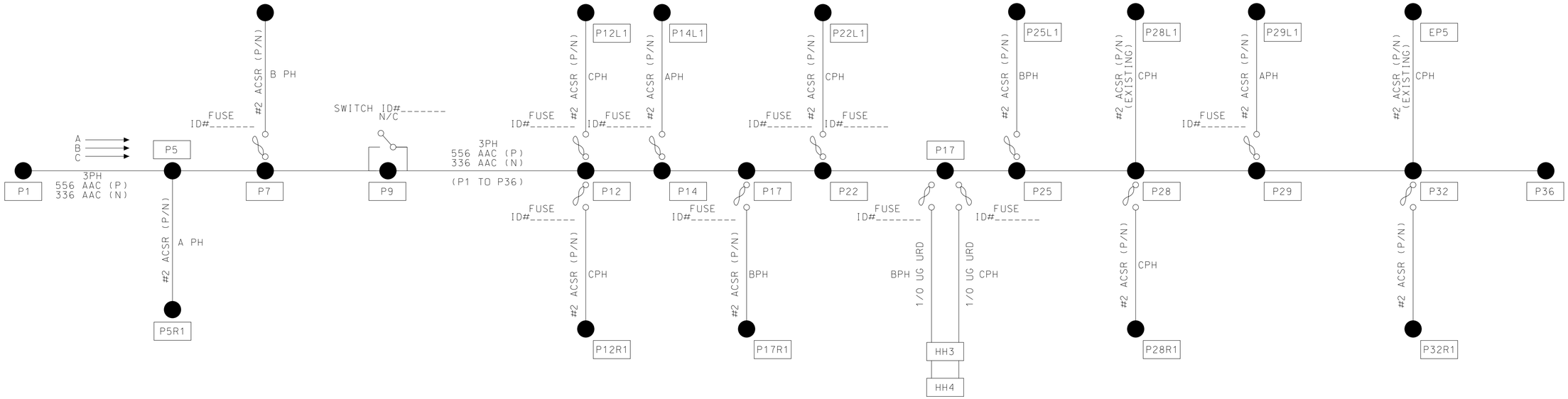
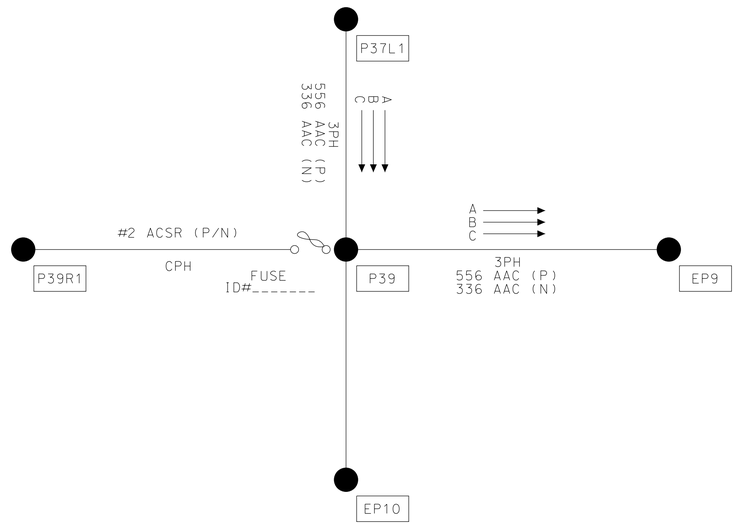
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-3

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02





NOTE: CONTRACTOR TO VERIFY ALL PHASING/SECTIONALIZING EQUIPMENT AND COORDINATE CLOSELY WITH UTILITY FOR CONFIRMATION

Loudon Utilities Board

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

ELECTRIC ONE RELOCATION LINE DIAGRAM PLAN

SCALE: NONE
SCALE: 1" = 50'

1/6/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-4

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

62016-2206-14
BEGIN PROJECT STP-322(15)
STA. 500+41.07 (R.O.W.)
N 471725.8505 E 2473024.3864

62016-2206-14
BEGIN PROJECT STP-322(15)
STA. 501+25.00 (CONST.)
N 471642.0100 E 247302.2608

500

① GEORGE H. DUVALL

505

③ CARL BLANKENSHIP AND WIFE, BRENDA BLANKENSHIP

② KADEN MCKEWON ET AL

④

N: 10' L.F. 4" PVC COND. SEC. SPLICE
N: 50'-2 WP, C3.1, UM-5-2, (2) E1.1L, K1.1, F2.10, H1.1
R: UM-5-2
T: STR. LT., G1.2-15 FROM EX. POLE

N: C6.21, A5.1
R: C2.F, A5.1

R: 45'-3 WP, C2.3NG, (2) E1-4, H1.1

N: 45'-2 WP, R3.3, H1.1

N: 45'-3 WP, C1.13L, E1.1L, F2.10, G1.2-25, K1.1, H1.1

R: 45'-3 WP, R3.3, H1.1

MATCH LINE STA. 509+00 SEE SHT. NO. U3-5

R: 40'-4 WP, C2.3NG, E1.1L, G1.2-25, K1.1, (2) F2.10, H1.1

R: 30'-5 WP, (2) E1.3L, F2.10, H5.1

1-FR-RES

EP1 EDGE OF MARKING
END OF MARKING
RW
HH #1
P1
P2
RP1
RP1R1
RP2
RP3
25' LD
10' LD
247'
PRES. R.O.W.
233'
(262')
(240')
(235')
556 AAC PRI.
336 ACC NEU.
295'
29' - 24" CMP
25' - 22" CMP
10.7' SR322 2" ASP
12' T
12' B
LAST MARK
CURVE
(89')
1222' SR322
12' - 24" CMP
Ø P/C/A

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

STA. 500+41.07 TO STA. 509+00.00

SCALE: 1"= 50'

1/6/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-5

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

MATCH LINE STA. 509+00 SEE SHT. NO. U3-4

MATCH LINE STA. 522+00 SEE SHT. NO. U3-6

510

515

520

SR322 20' ASP

45 MPH

STOP AHEAD

1-F-MH

SHED

1-FR-RES

1-BL-GARAGE

1-BR/RES

2/FR/RES

OHU

UGTEL PED.

GAS SHOWN AS MARKED

5 @ 6' C

8" W

6" G

24" RCP

18" CMP

12" CMP

15" CMP

24" CMP

25" CMP

18" CMP

5" C

1/PT

RP2 P2 P9 RP4 RP5 P4 RP6 P5R1 RP6R1 P5R2 EP3 P5 P6 RP7 P7 RP8 P8 RP9 P9 P10 RP7L1 P7L1 RP8L1 P6R1 RP7R1

(225') 177' 212' (211') 305' 526 AAC RBL 339 ACC MEU (260') (137') (316') 299' (77') (299') 193' (182') 169' 126' (314') 152' (66') (45') 101' (45') (45') (396') 291' 197' (90') 199' (299')

15' LD 10' LD 18' LD 25' LD 20' LD

N: 45'-3 WP, A3.1, E1.1L, F2.10, H5.1

N: 40'-4 WP, A3.1 SIDEWALK GUY, F2.10 , H5.1

N: 45'-3 WP, C1.13L, H5.1

R: 30'-6 WP, K1.1, STR. LT., H5.1

R: 45'-3 WP, C2.52, E1.1L, F2.10, H5.1

R: 55'-2 WP, (2) C5.71L, A5.3G, (2) E1.1L, (2) F2.10, H5.1

N: 45'-2 WP, (2) C5.71L, AG.2G, (8) E1.1L, (5) F2.10, H1.1

R: 50'-3 WP, A4.1, E1.1, E1.1L, H5.1, F2.10, H5.1

N: 45'-3 WP, S2.32, A5.3, K1.1, E1.4, F2.10, H3.1, G1.2-25

R: 45'-3 WP, C1.13L, 3PH LINE TENSION SWITCHES, E1.1, F2.10, G1.2-37.5, Q1.1, K1.1, K1.2, H1.1

N: 45'-3 WP, C1.13L, S1.1, P1.1, E1.1L, F2.10, H1.1

R: 45'-3 WP, C2.21L, A5.3, S1.1, E1.1L, F2.10, H1.1

N: 45'-3 WP, C2.21L, E1.1L, F2.10, H5.1

N: 45'-3 WP, C1.13L,H5.1
R: 45'-3 WP, C1.13, H5.1

N: 45'-3 WP, C1.13L, H5.1

N: 45'-3, A4.1, (2) E1.1L, (2) F2.10, H5.1

N: 40'-4, A1.3, H5.1

N: A5.1, E1.1L, F2.10
R: A5.1, E1.1, F2.10

10 DAVID L. MCLEMORE AND WIFE, RUBY A. MCCLEMORE

5 TOMMY LEE BLANKENSHIP

6 CURTIS S. BREWSTER AND WIFE, TERESA D. BREWSTER

13 DAVID MCLEMORE AND WIFE, RUBY MCLEMORE

4 RALPH L. CRABB AND WIFE, CLARA ANN CRABB

8 CHARLES R. HALL AND WIFE, HELEN A. HALL

12 CHARLES R. HALL AND WIFE, HELEN A. HALL

15 LOIS H. CRAIG AND HUSBAND FLOYD CRAIG

7 JAMES T. MORRIS AND WIFE, MARGARET I. COOPER

11 CHARLES R. HALL AND WIFE, HELEN ANN HALL

~~JAMES T. MORRIS AND WIFE, MARGARET I. COOPER~~

~~9~~

~~63~~

~~REBA J. CARMLEY~~

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NO. 119,147
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

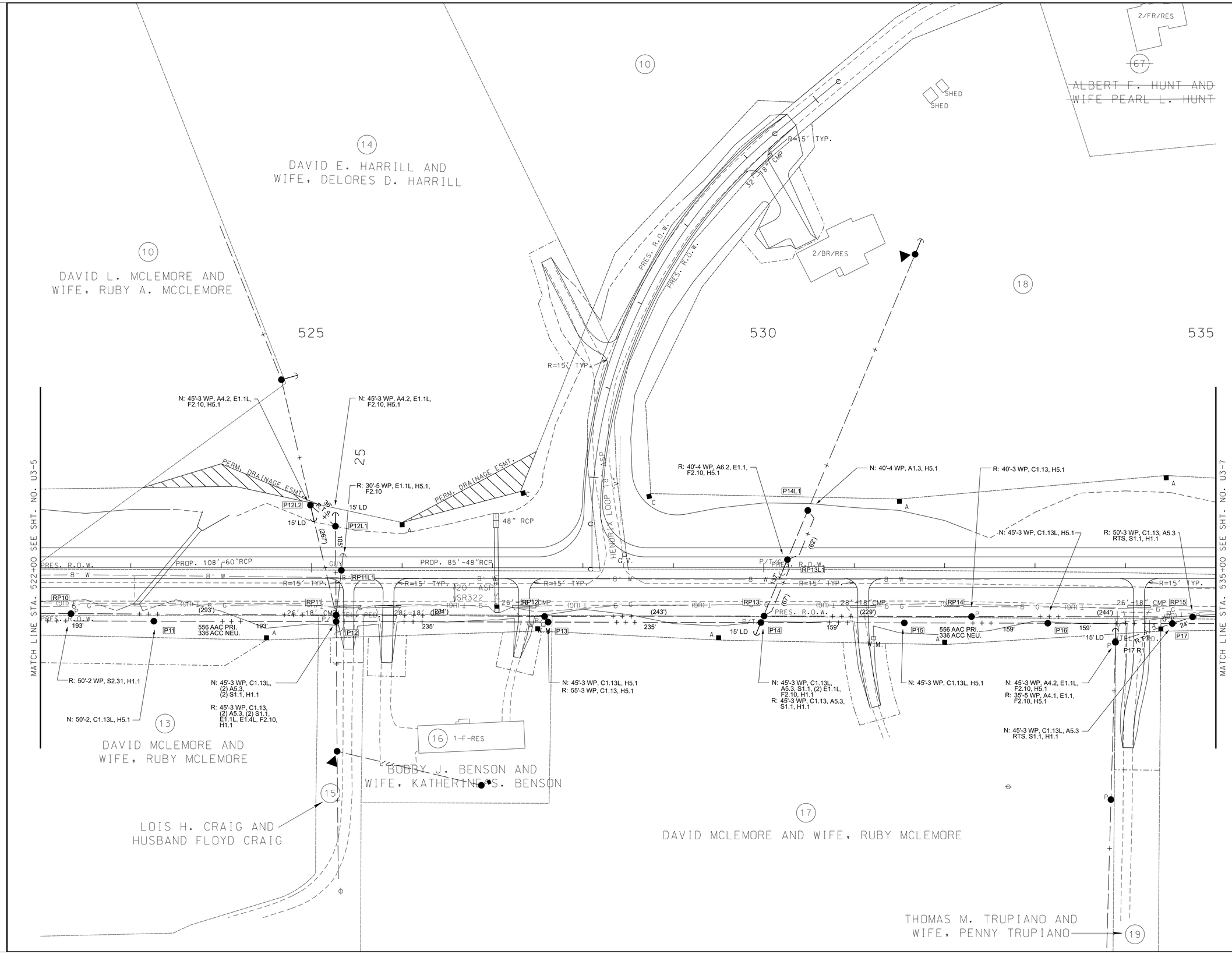
STA. 509+00 TO STA. 522+00

SCALE: 1"= 50'

1/6/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\U3-5.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-6

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

STA. 522+00 TO STA. 535+00

SCALE: 1"= 50'

1/6/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\U3-6.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-7

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

67
ALBERT F. HUNT AND WIFE PEARL L. HUNT

68
LLOYD WILLIAM MILLS

535 540 545 75

21
CHARLES GENTRY AND WIFE, BETTY GENTRY

23
CHARLES GENTRY AND WIFE, BETTY GENTRY

26
JAMES R. WOEBER AND WIFE, KATHY E. WOEBER

20
GERALD GLEN BARNHART AND WIFE, JEANETTE

24
RANDY D. WATKINS AND WIFE, LISA L. WATKINS

25
WIFE BRENDA COOPER

22
CHAD CHAMBERS AND WIFE, ASHLEY CHAMBERS

69

75
FREDDIE LEE COOPER

MATCH LINE STA. 535+00 SEE SHT. NO. U3-6

MATCH LINE STA. 548+00 SEE SHT. NO. U3-8

PERM. DRAINAGE ESMT.

30' X 34' CLASS "B" RIP-RAP

48" RCP

N: 40'-4 WP, K1.1, H5.1

P19L1

RP16L1

R: 35'-4 WP, K1.1, H5.1

RP17L1

PROP. EXT. 68'-48" RCP

SHED

DEMO ESMT.

SHED

1-F-MH

BARN

SHED

R=15' TYP.

R=15' TYP. AS SHOWN AS MARKED

P/T

P22L1

R: 45'-3 WP, E1.13, G1.2-50, K1.1, K1.2, UM-5-2, H1.1

DEMO ESMT.

N: 45'-3 WP, A3.1, E1.1L, F2.10, H5.1

CLASS "B" RIP-RAP 12' X 15'

BARN

27' LD

P23

PROP. TYPE 3 JUNCTION BOX

PROP. 63"-30" RCP

PROP. 36"-30" RCP

RP18L1

RP18

RP19

P22A

STOP SIGN

SIDE CANOE LANDING

6" (299') RCP

C.V.

RP16R1

RP17R1

P19

P20

P21

P22

18' LD

17' LD

10' LD

27' LD

556 AAC PRI. 336 ACC NEU.

TEL. PED.

W. M.

HH #2

HH #3

HH #4

N: 50'-2 WP, C1.13L, H5.1

N: 50'-2 WP, C2.22L, E1.1L, G1.2-15, K1.1, F2.10, H1.1

R: 50'-3 WP, C2.52L, E1.1L, G1.2-15, F2.10, H1.1

N: 50'-2 WP, C1.13L, H5.1

R: 45'-3 WP, C1.13, G1.2-50, K1.1, K1.2, UM-5-2, H1.1

HH #2 N: 34 L.F. 4" PVC COND., SEC. SPLICE

N: 40'-4 WP, C2.21L, (2) E1.1L, G1.2-50, K1.1, UM-5-2, F2.10, H1.1

R: 40'-4 WP, C2.21L, A5.3, S1.1, E1.1L, F2.10, H1.3

N: 45'-3 WP, G1.13L, A5.3, S1.1, (2) E1.1L, F2.10, H1.1

N: 45'-3 WP, C3.1, (2) E1.1L, F2. 10, H5.1

R: 45'-3 WP, C1.13, (2) UM3, H1.1

N: 45'-3 WP, C3.1, (2) E1.1L, F2. 10, H5.1

(2) 1PH UG PRI. RISER, (2) S1.1, F2.10, H1.1

(2) UG PRIMARY SPLICES

(2) UG PRIMARY SPLICES

UGS

UGP

(316') (321') (189') (138') (291') (299') (239')

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

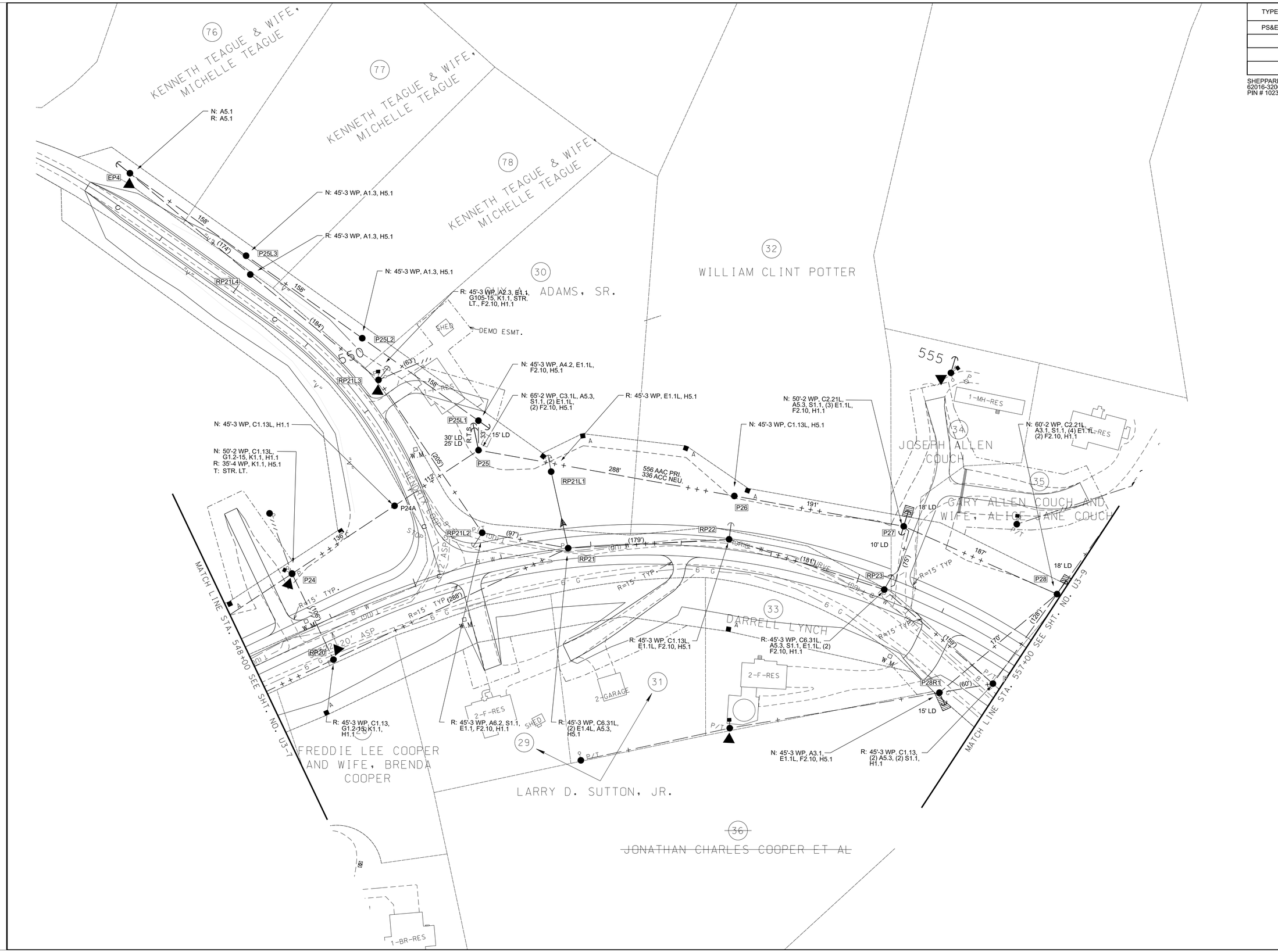
STA. 535+00 TO STA. 548+00

SCALE: 1"= 50'

1/6/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\U3-7.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-8

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

STA. 548+00 TO STA. 557+00

SCALE: 1"= 50'

1/6/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\U3-8.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-9

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

560

85

BOYCE C. MILLSAPS AND
WIFE SHIRLEY MILLSAPS

565

SHED

37

ROBERT WHITAKER AND
WIFE, JULIE WHITAKER

N: 45'-3 WP, A4.2, H5.1

N: 45'-1 WP, C1.13L, A5.3, S1.1, H1.1

N: 45'-2 WP, C1.13L, H5.1

DEMO ESMT.

42

CAROLYNN C. HALL AND
HUSBAND, JOE HALL

N: 50'-2 WP, C3.1, (2) E1.1L, F2.10, H5.1.

1-GARAGE

MATCH LINE STA. 557+00 SEE SHT. NO. U3-8

MATCH LINE STA. 567+00 SEE SHT. NO. U3-10

15' LD

280'

556 AAC PRI.
336 ACC NEU.

P29

P29L1

59'
R.T.S.

139'

15' LD

280'

P30

301'

P31

15' LD

R=15' TYP.

S 36° 57' 54" E

12' SR322
12' 24" ASP

PROP. 78'-24'RCP

TEL. PED.

30 MPH CURVE

RP24

RP25

RP26

RP27

RP28L1

(274')

(270')

(262')

(274')

(274')

8" W

6" G

SR322
20' ASP

CURVE AHEAD

R: 45'-4 WP, C1.13, A5.3, E1.1, F2.10, H5.1

R: 45'-3 WP, C1.13, G1.2-10, SEC. RISER, H1.1

R: 45'-3 WP, C3.3, G1.2-15, E1.1L, F2.10, H1.1

R: 35'-4 WP, K1.1, H5.4

38

JONATHAN CHARLES COOPER ET AL

39

HAROLD WHITE AND WIFE, PATRICIA WHITE

40

HAROLD WHITE AND WIFE, PATRICIA WHITE

41

HAROLD WHITE AND WIFE, PATRICIA WHITE

43

DEAN WILLIAMS AND WIFE, BRENDA K. WILLIAMS

DEAN WILLIAMS AND
WIFE, BRENDA K.
WILLIAMS

80

DEAN WILLIAMS AND WIFE, BRENDA WILLIAMS

81

DEAN WILLIAMS AND WIFE, BRENDA WILLIAMS

EP6

82

DUSTIN A. WILLIAMS AND WIFE, AUTUMN N. WILLIAMS

SHED

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

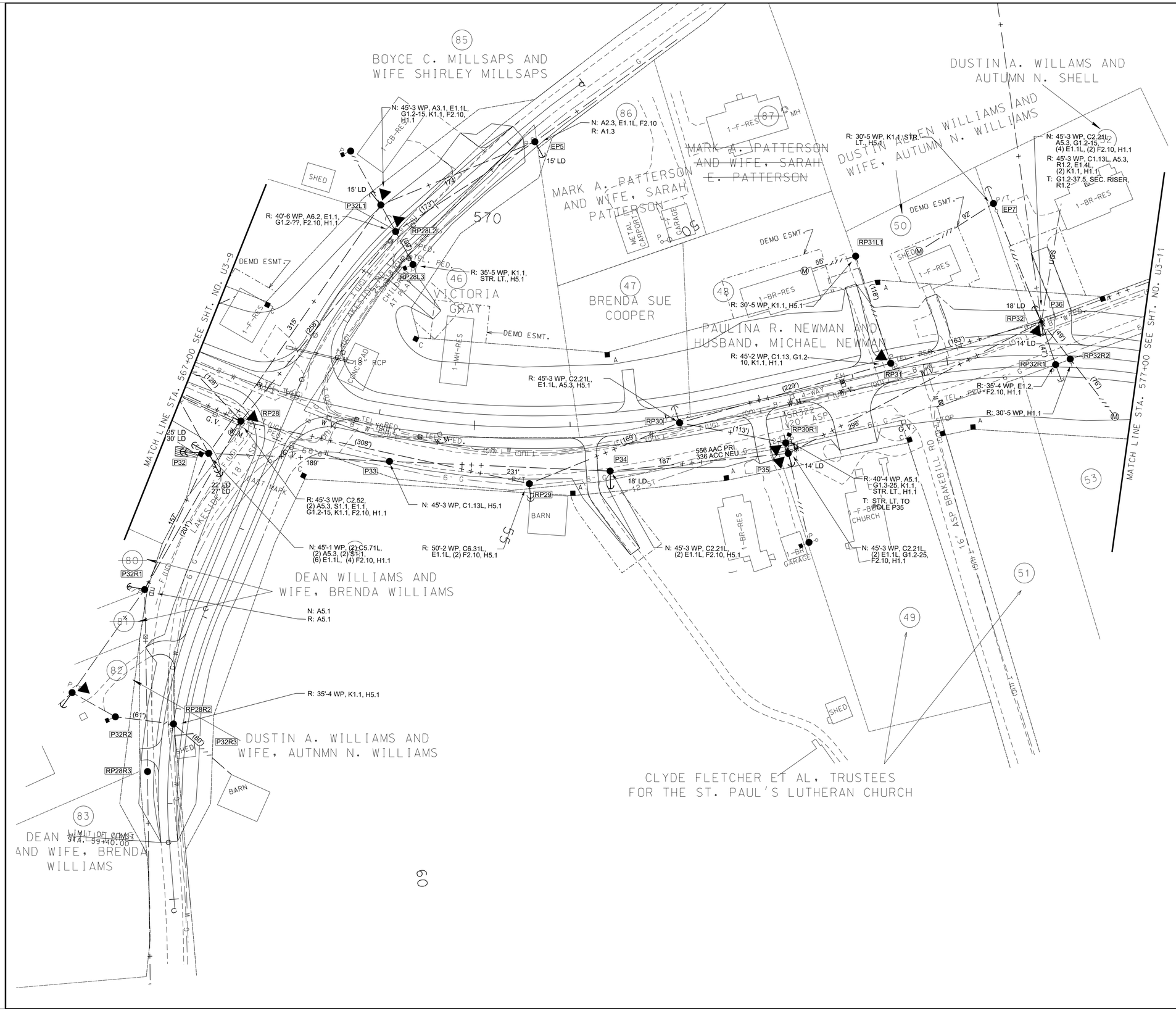
STA. 557+00 TO STA. 567+00

SCALE: 1"= 50'

1/6/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\U3-9.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-10

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

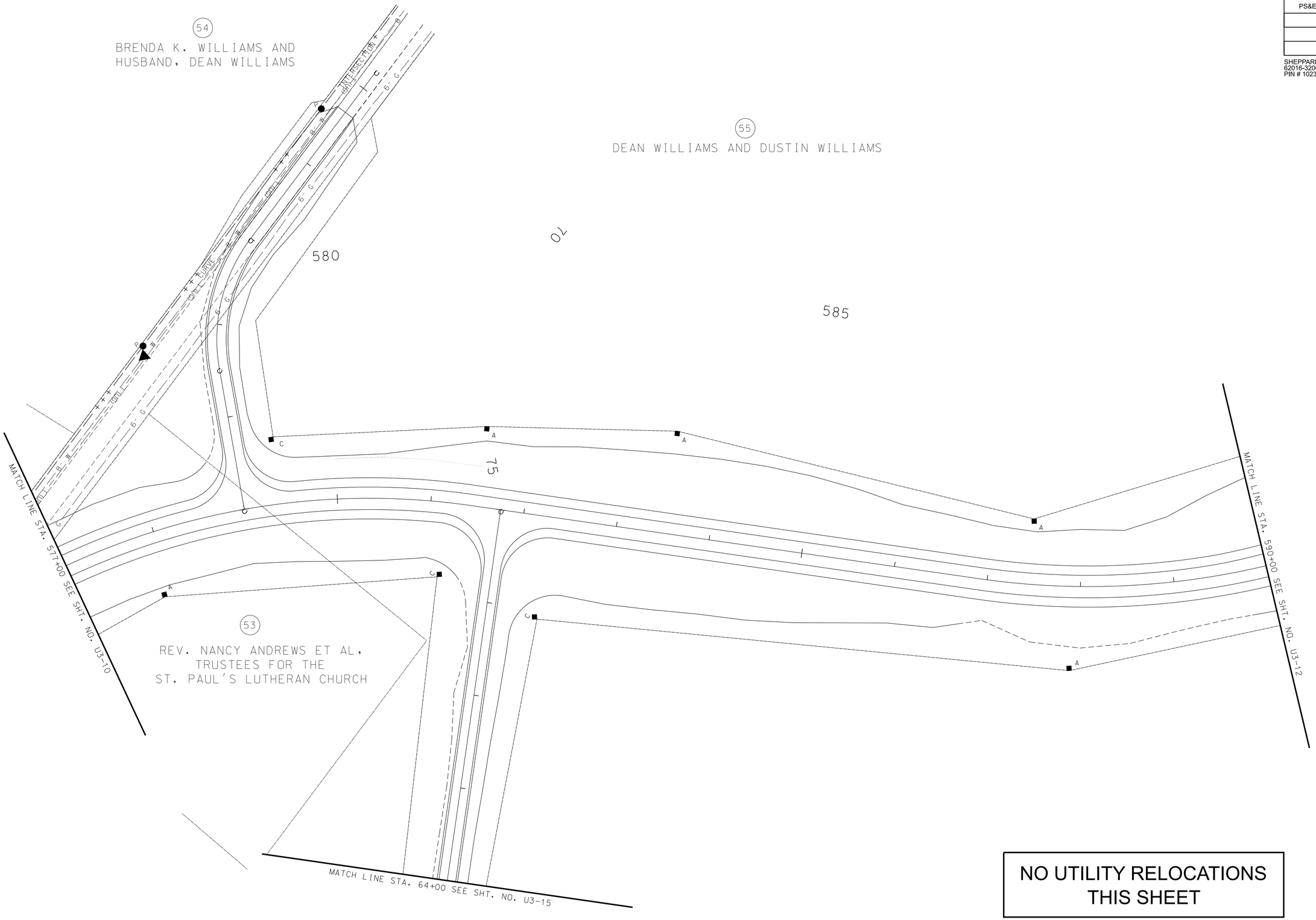
STA. 567+00 TO STA. 577+00

SCALE: 1"= 50'

1/6/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\U3-10.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-11

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



NO UTILITY RELOCATIONS
THIS SHEET

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

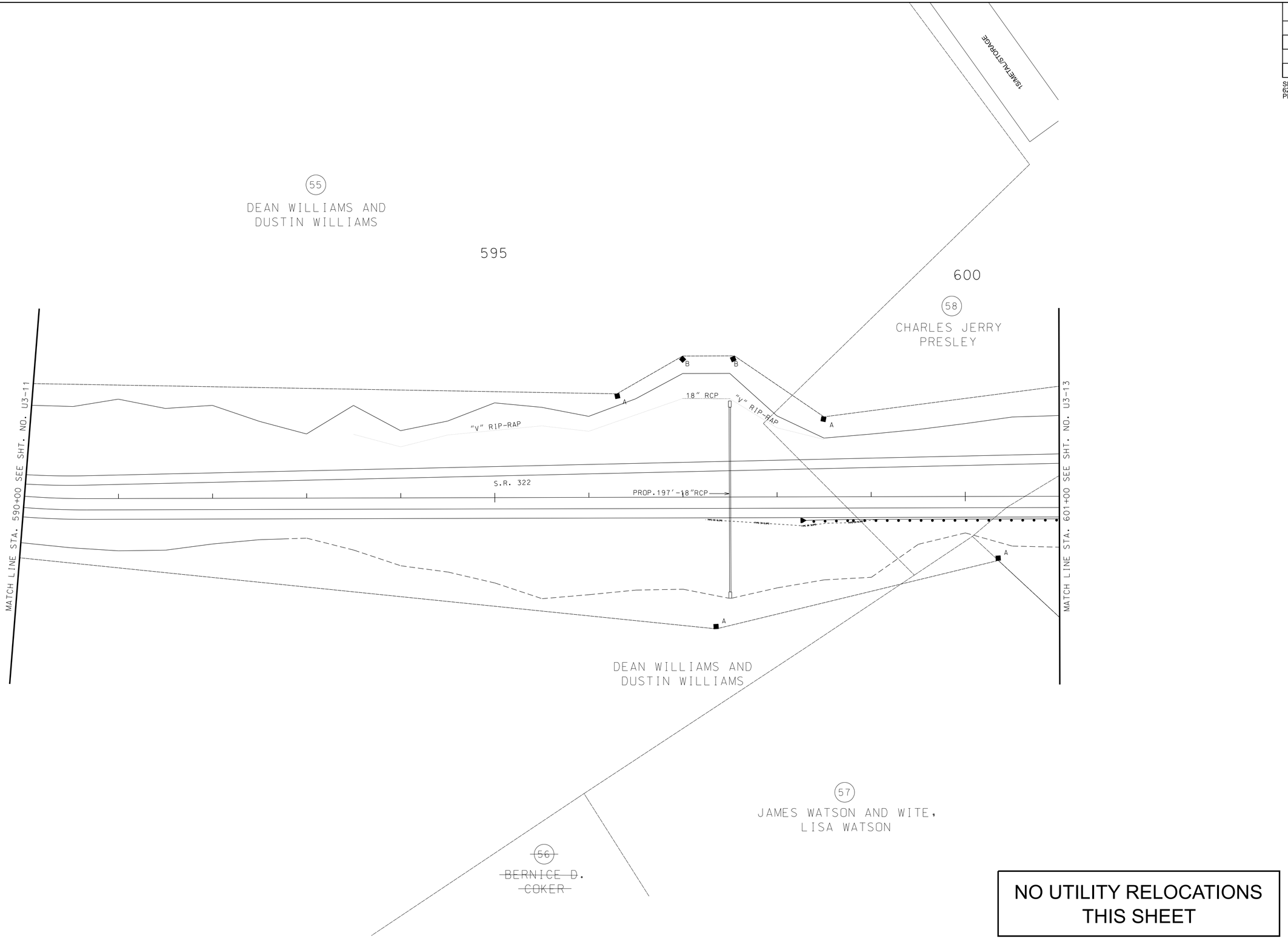
STA. 577+00 TO STA. 590+00

SCALE: 1"= 50'

1/6/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\U3-11.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-12

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

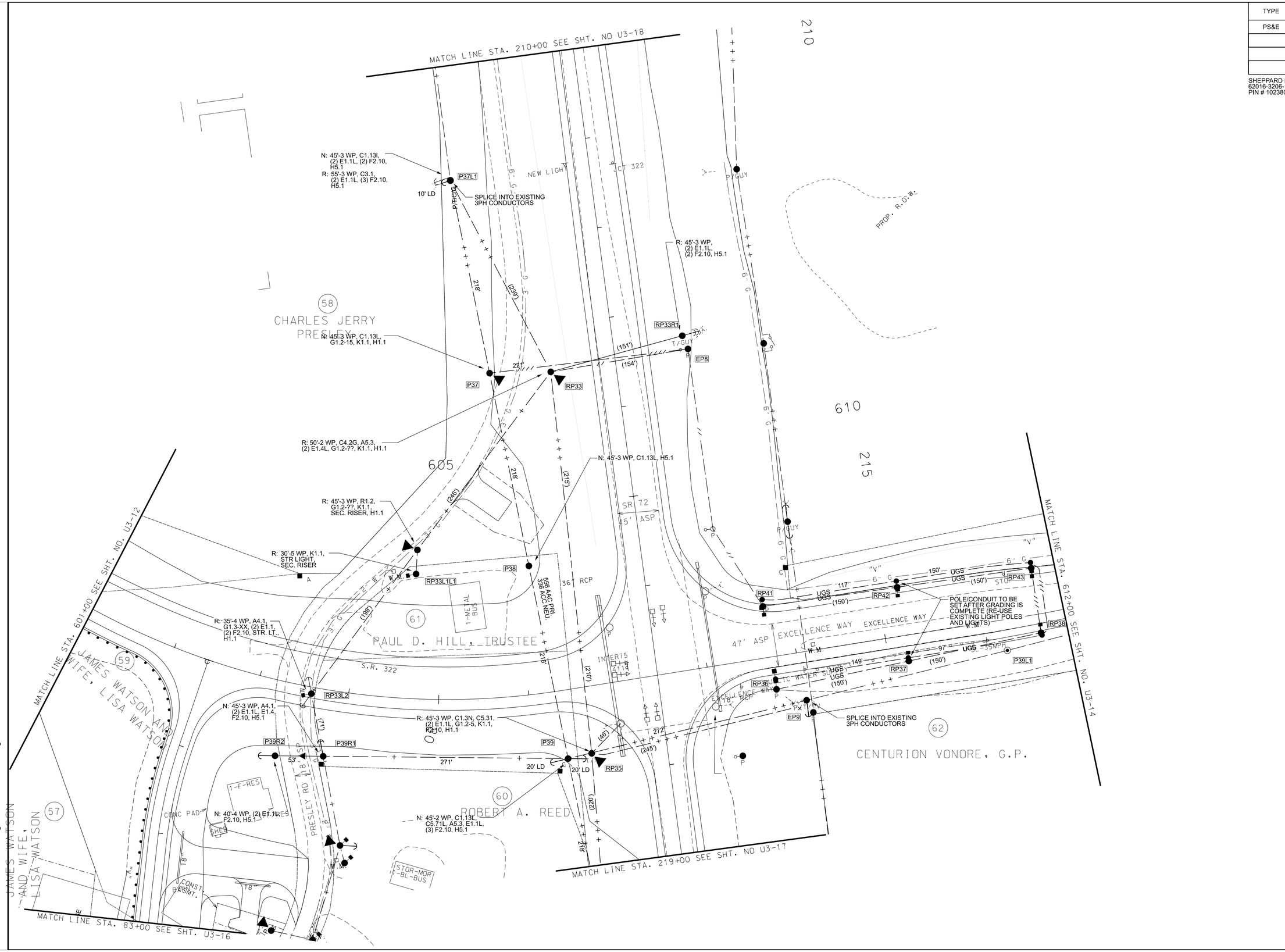
STA. 590+00 TO STA. 601+00

SCALE: 1"= 50'

1/6/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\U3-12.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-13

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

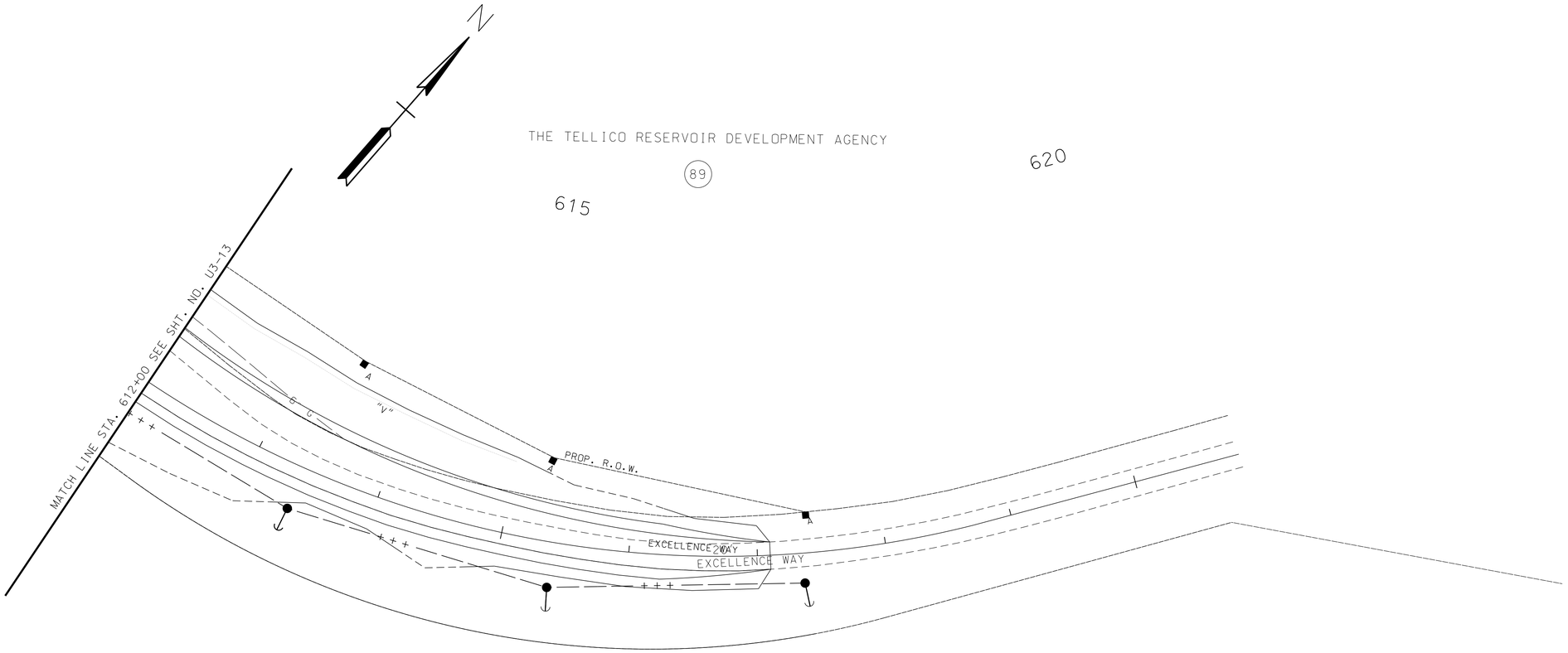
STA. 601+00 TO STA. 612+00

SCALE: 1"= 50'

1/6/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\U3-13.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-14

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

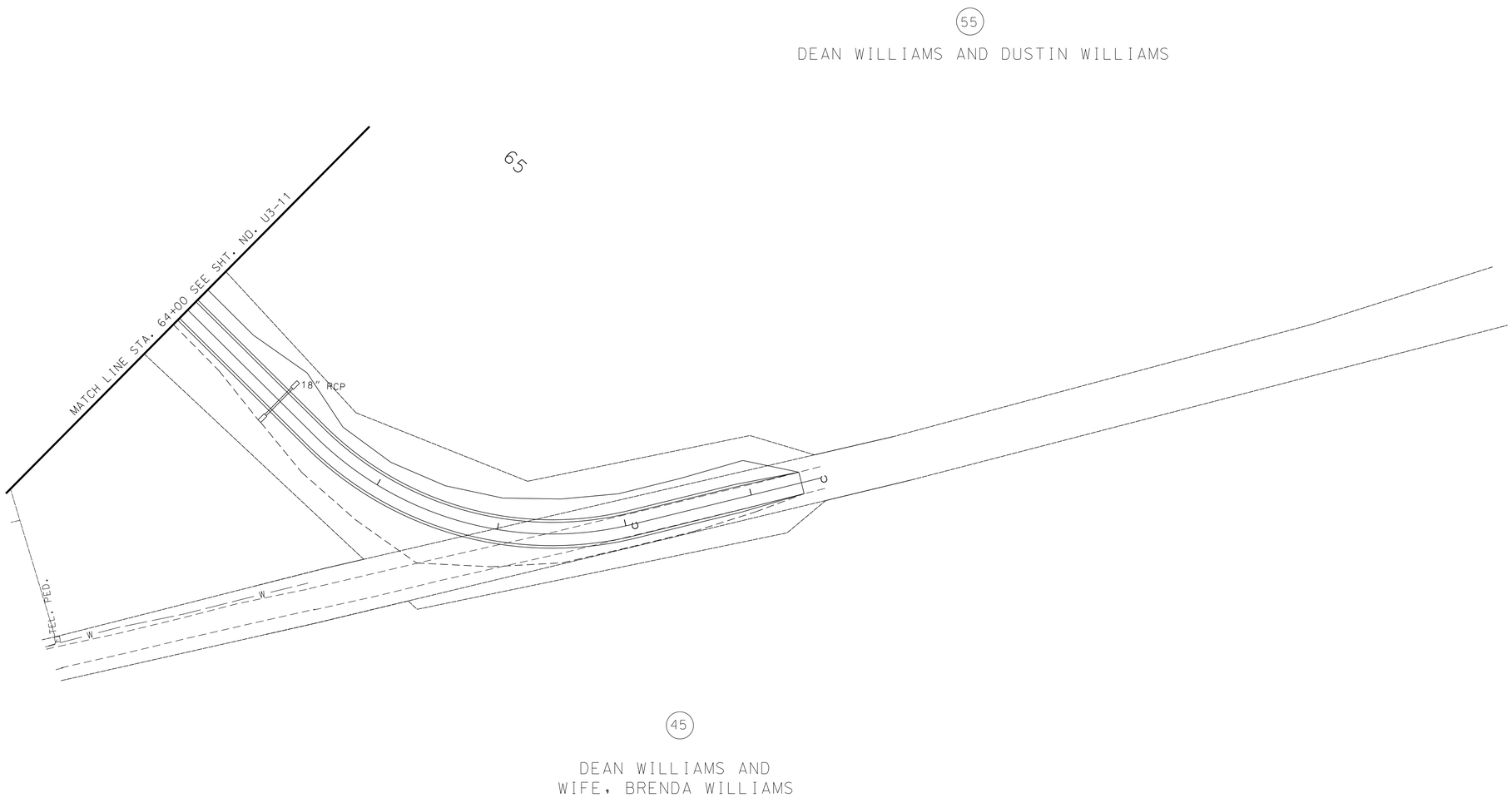
STA. 612+00 TO STA. 619+50

SCALE: 1"= 50'

1/6/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\U3-14.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-15

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

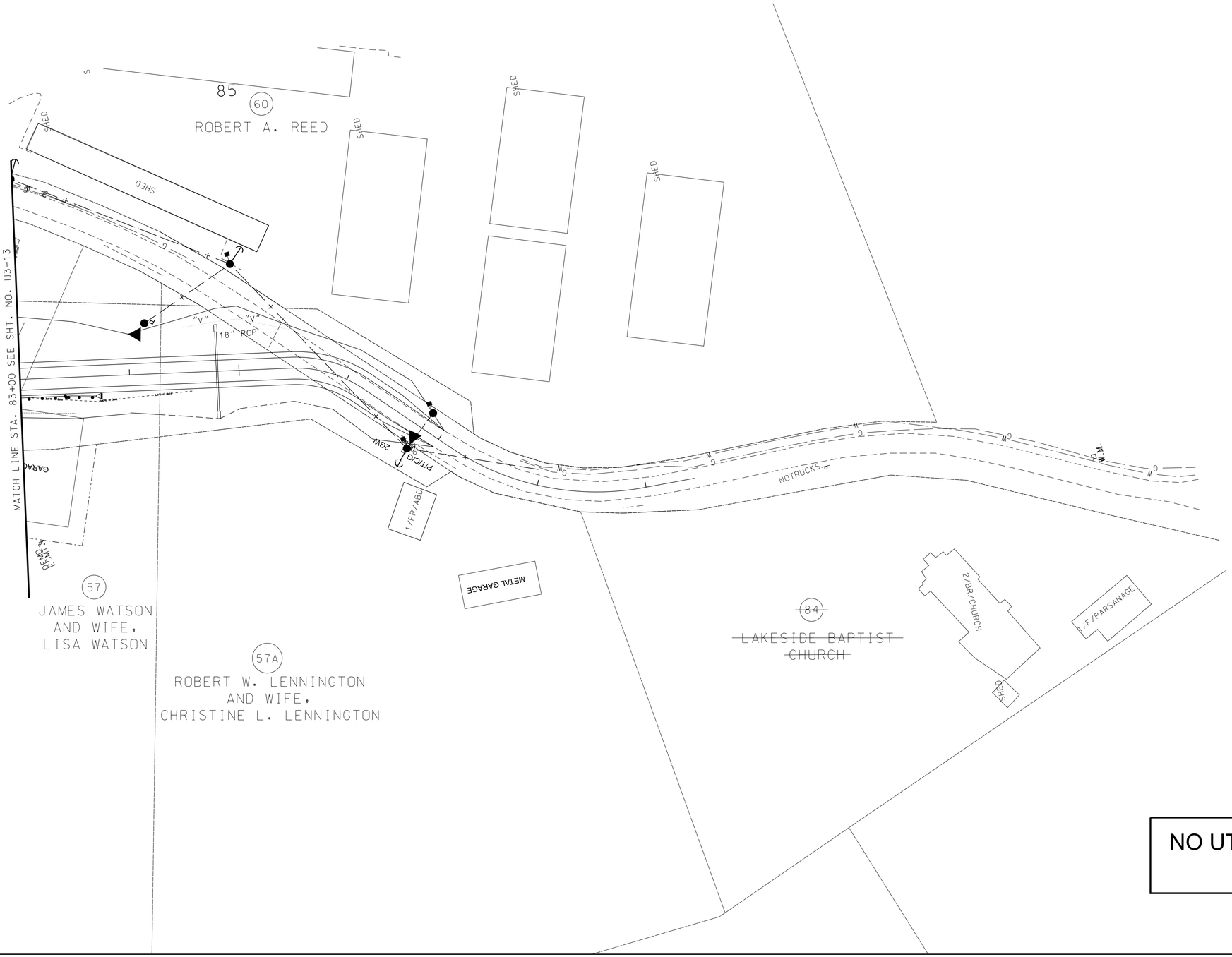
STA. 64+00 TO STA. 69+40

SCALE: 1"= 50'

1/6/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\U3-15.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-16

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

STA. 83+00 TO STA. 89+75

SCALE: 1"= 50'

1/6/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\U3-16.SHT

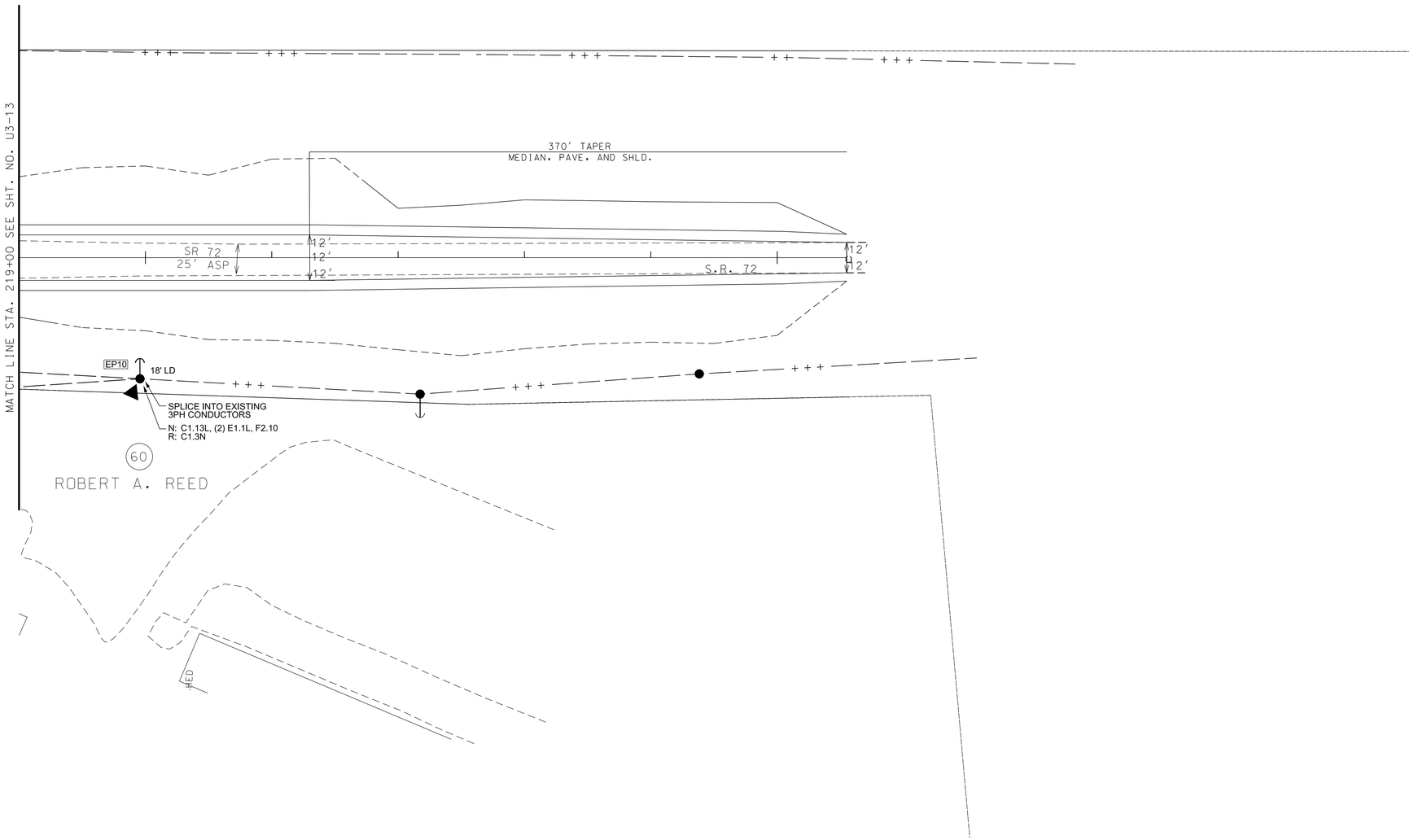
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-17

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

62
CENTURION VONORE, G.P.

220

225



Loudon Utilities Board

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

STA. 219+00 TO STA. 225+55

SCALE: 1"= 50'

1/6/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-18

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

88
OSCAR CUMMINGS AND WIFE
BEULAH MAE CUMMINGS

205

NOTE: R.O.W. FROM HERE TO EXCEL. WAY PULLED OFF OLD PLANS, ONLY USE AS A REFERENCE

210

MATCH LINE STA. 210+00 SEE SHT. NO. U3-13

58
AMERICAN SELF STORAGE VONORE, LLC

1S/METAL/STORAGE
1S/METAL/STORAGE
1S/METAL/STORAGE
1S/METAL/STORAGE
1S/METAL/STORAGE
1S/METAL/STORAGE
1S/METAL/BUS
1S/METAL/STORAGE
1S/METAL/STORAGE

TOP-920.08
ELECT BOX
ELECTRIC

P/T/C
P/T/C
P/T/C
P/C/T/G
2X
P/T/C
P/GUY
TOP-901.49

55
DEAN WILLIAMS AND DUSTIN WILLIAMS

DEAN WILLIAMS AND DUSTIN WILLIAMS

MATCH LINE STA. 80+15 SEE SHT. NO. U3-19

NO UTILITY RELOCATIONS THIS SHEET

1/6/2026
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

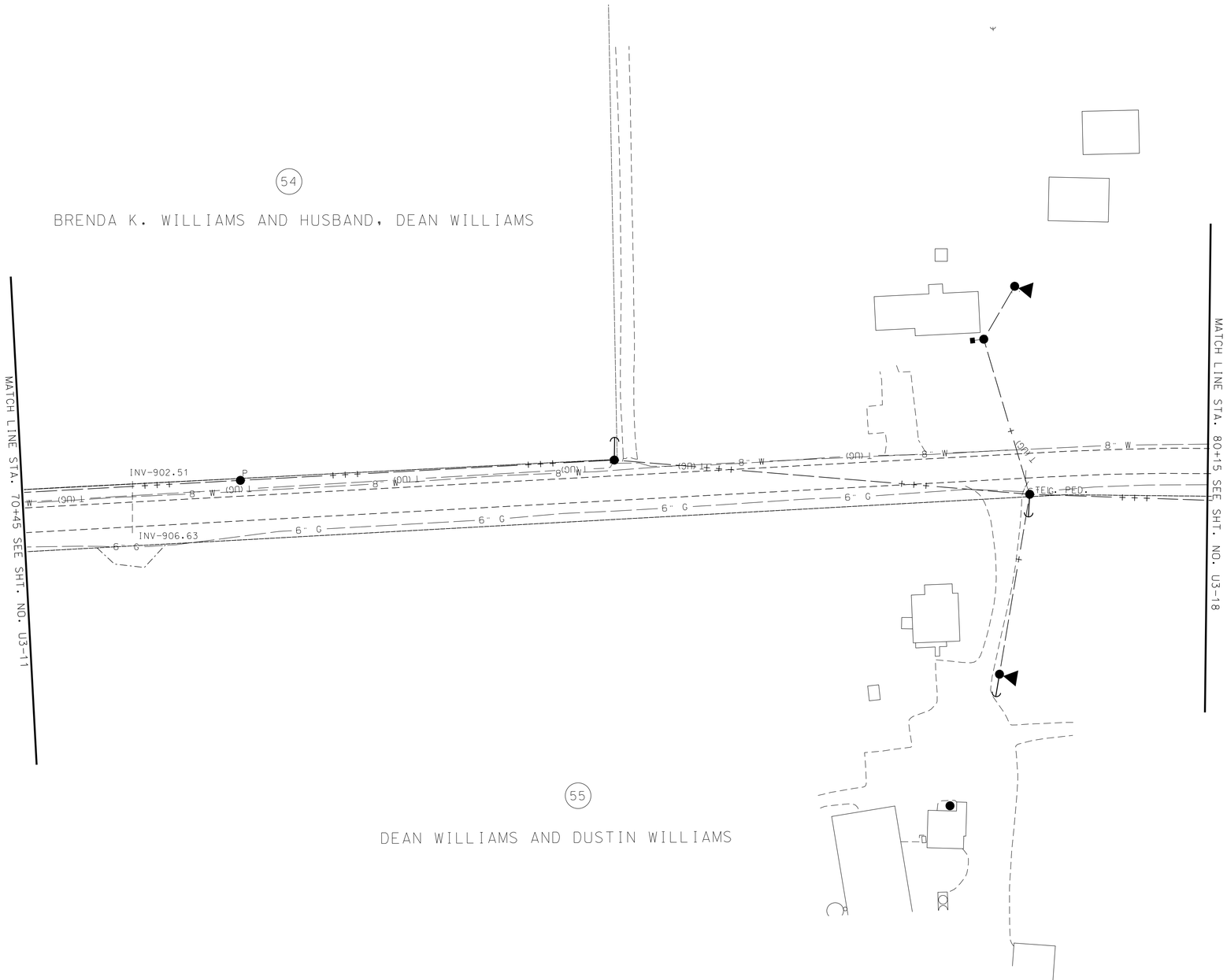
ELECTRIC RE LOCATION PLAN

STA. 202+50 TO STA. 210+00

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-19

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



NO UTILITY RELOCATIONS
THIS SHEET

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ELECTRIC RE LOCATION PLAN

STA. 70+45 TO STA. 80+15

SCALE: 1"= 50'

1/6/2026
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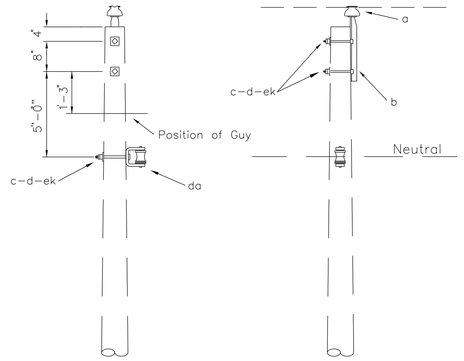
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-20

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

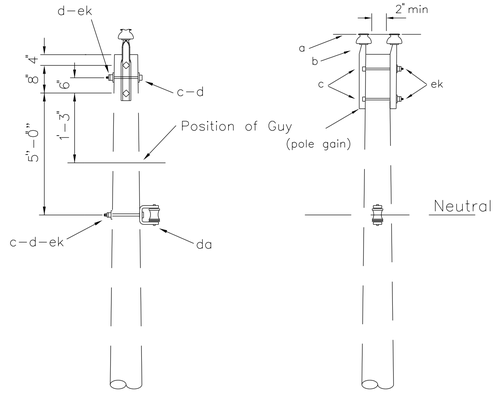


ITEM	QTY	MATERIAL
a	1	Insulator, pin type (12.47/7.2 kV)
b	1	Pin, pole top, 20°
c	3	Bolt, machine, 5/8" x req'd length
d	3	Washer, square, 2 1/4"
da	1	Bracket, insulated
ek	3	Locknuts

DESIGN PARAMETERS:
See TABLE I

SINGLE SUPPORT

APRIL 2005	1 – PHASE PRIMARY 12.47/7.2 kV	
RUS		A1.3

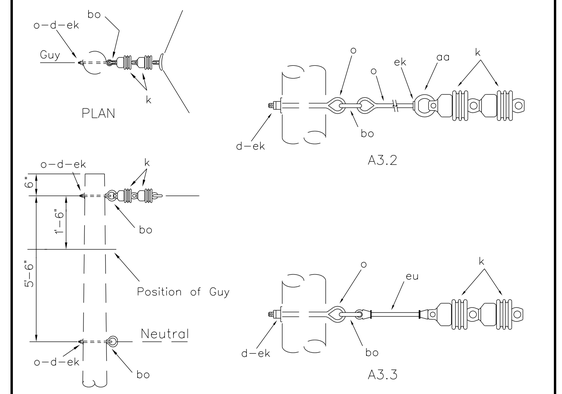


ITEM	QTY	MATERIAL
a	2	Insulator, pin type (12.47/7.2 kV)
b	2	Pin, pole top
c	4	Bolt, machine, 5/8" x req'd length
d	3	Washer, square, 2 1/4"
da	1	Bracket, insulated
ek	4	Locknuts

DESIGN PARAMETERS:
See TABLE III

DOUBLE SUPPORT

APRIL 2005	1 – PHASE PRIMARY 12.47/7.2 kV	
RUS		A2.3 (A2)



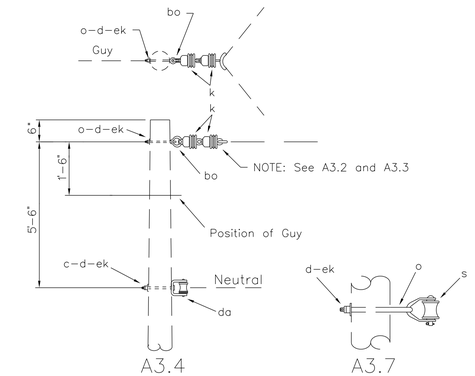
ASSEMBLY: A3

ITEM	MATERIAL	.1 QTY	.2 QTY	.3 QTY
d	Washer, square, 3", curved	2	2	2
k	Insulator, suspension, 4 1/4"	2	2	2
o	Bolt, eye, 5/8"x req'd length	2	3	2
aa	Nut, eye		1	
bo	Shackle, anchor	2	2	2
ek	Locknuts	2	3	2
eu	Link, extension, insulated			1
(du)	(Link, extension) – (optional)			(1)

DESIGN PARAMETERS:
PERMITTED TRANSVERSE LOAD= 5000 lbs./Conductor
20° – 60°: #1/0 ACSR & Larger
30° – 60°: Smaller Conductors

SUSPENSION ANGLE

APRIL 2005	1 – PHASE PRIMARY 12.47/7.2 kV	A3.1,A3.2,A3.3 (A3)
RUS		



A3.5 = A3.4 neutral subassembly + A3.2 primary subassembly
A3.6 = A3.4 neutral subassembly + A3.3 primary subassembly
A3.8 = A3.7 neutral subassembly + A3.2 primary subassembly
A3.9 = A3.7 neutral subassembly + A3.3 primary subassembly

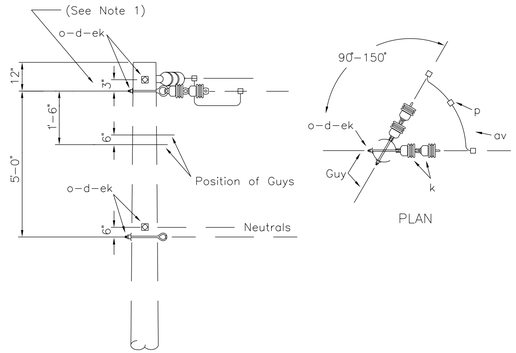
ASSEMBLY: A3

ITEM	MATERIAL	.4 QTY	.5 QTY	.6 QTY	.7 QTY	.8 QTY	.9 QTY
c	Bolt, machine, 5/8" x req'd length	1	1	1			
d	Washer, square, 3", curved	2	2	2	2	2	2
k	Insulator, suspension, 4 1/4"	2	2	2	2	2	2
o	Bolt, eye, 5/8"x req'd length	1	2	1	2	3	2
s	Clevis, secondary, swinging, insulated				1	1	1
aa	Nut, eye		1			1	
bo	Shackle, anchor	1	1	1	1	1	1
da	Braket, insulated	1	1	1			
ek	Locknuts	2	3	2	2	3	2
eu (du)	Link, extension, insulated (Link, extension) – (optional)			1 (1)			1 (1)

DESIGN PARAMETERS:
For ANSI Class 53-2 Spool Insulator (1 3/4") See Table VI
For ANSI Class 53-4 Spool Insulator (3") See Table VII

SUSPENSION ANGLE

APRIL 2005	1 – PHASE PRIMARY 12.47/7.2 kV	A3.4 – A3.9
RUS		



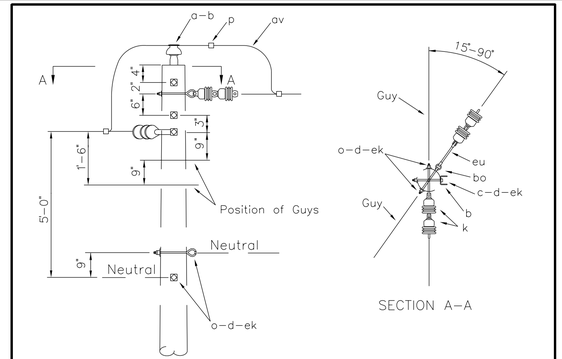
NOTES:
1. Separate 6" (top position only) when angle equals 90°.
2. Other combinations of deadend assemblies (A5.1 through A5.9) may be used, (e.g., two A5.3's; or one A5.1 plus one A5.7). Record alternative assemblies separately on staking sheets. CAUTION: Use the appropriate permitted longitudinal loads.

ITEM	QTY	MATERIAL
d	4	Washer, square, 3" curved
k	4	Insulator, suspension, 4 1/4"
o	4	Bolt, eye, 5/8" x req'd length
p		Connectors, as req'd
av		Jumpers, as req'd
ek	4	Locknuts

DESIGN PARAMETERS:
PERMITTED LONGITUDINAL LOAD = 5000 lbs./Conductor

DEADEND ANGLE (90°–150°)

APRIL 2005	1 – PHASE PRIMARY 12.47/7.2 kV	
RUS		A4.1 (A4)



NOTES:
1. Use 3" curved washers, "d", on eyebolts, "o".
2. Other combinations of deadend assemblies (A5.1 through A5.9) may be used, (e.g., one A1.01 plus two A5.3's; or one A1.01 plus one A5.1 plus one A5.7). Record alternative assemblies separately on staking sheets. CAUTION: Use the appropriate permitted longitudinal loads.

ITEM	QTY	MATERIAL
a	1	Insulator, pin type (12.47/7.2 kV)
b	1	Pin, pole top, 20°
c	2	Bolt, machine, 5/8 x req'd length
d	2	Washer, square, 2 1/4"
d	4	Washer, square, 3, curved
k	4	Insulator, suspension, 4 1/4
o	4	Bolt, eye, 5/8 x req'd length
p		Connectors, as req'd
av		Jumpers, as req'd
bo	1	Shackle, anchor
ek	6	Locknuts
eu (du)	1 (1)	Link, extension, insulated (Link, Extension)(Optional)

DESIGN PARAMETERS:
PERMITTED LONGITUDINAL LOAD = 5000 lbs./Conductor

DEADEND ANGLE (15°–90°)

APRIL 2005	1 – PHASE PRIMARY 12.47/7.2 kV	
RUS		A4.2

1/6/2026
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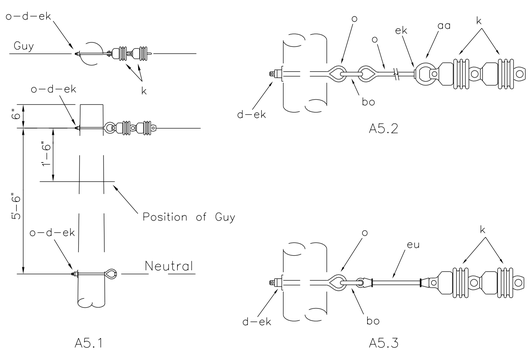
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: N.T.S.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-21

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



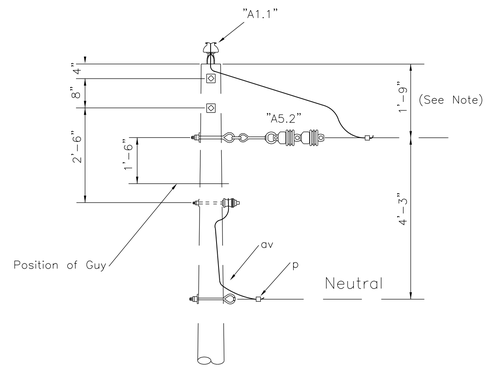
NOTE: When connecting to existing bolt end, use eyenut "aa" and locknut "ek" instead of eyebolt subassembly "o–d–ek".

ASSEMBLY: A5		.1	.2	.3
ITEM	MATERIAL	QTY	QTY	QTY
d	Washer, square, 3", curved	2	2	2
k	Insulator, suspension, 4 1/4"	2	2	2
o	Bolt, eye, 5/8"x req'd length	2	3	2
p	Connectors, as req'd			
aa	Nut, eye		1	
av	Jumper's, as req'd			
bo	Shackle, anchor		1	1
ek	Locknuts	2	3	2
eu (du)	Link, extension, insulated (Link, extension) – (optional)			1 (1)

DESIGN PARAMETERS:
PERMITTED LONGITUDINAL LOAD = 5000 lbs./Conductor

SINGLE DEADENDS

APRIL 2005	1 – PHASE PRIMARY	A5.1,A5.2,A5.3
RUS	12.47/7.2 kV	(A5),(A5–2)



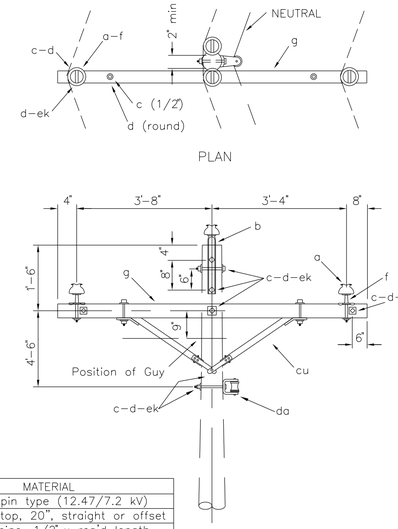
NOTES:
1. Tap assembly may be installed 6" from top of pole when perpendicular to line. Raise neutral and guy attachemnt 15" also.
2. Any deadend assembly, A5.1 through A5.9, may be used.

ITEM	QTY	MATERIAL
	(1)	(A1.1 Primary Assembly)
	1	A5.2 Primary Assembly
p		Connectors, as req'd
av		Jumpers, as req'd

DESIGN PARAMETERS:
PERMITTED LONGITUDINAL LOAD = 5000 lbs./Conductor

SINGLE PHASE TAP GUIDE

APRIL 2005	1 – PHASE PRIMARY	
RUS	12.47/7.2 kV	A5.2G

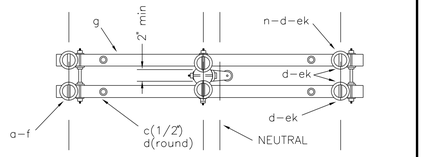


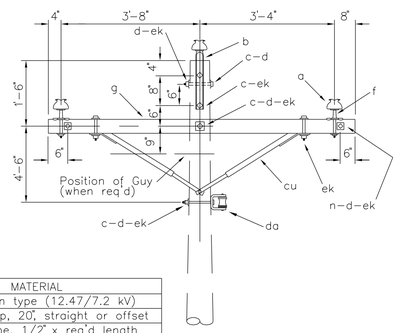
ITEM	QTY	MATERIAL
a	4	Insulator, pin type (12.47/7.2 kV)
b	2	Pin, pole top, 20", straight or offset
c	2	Bolt, machine, 1/2" x req'd length
c	8	Bolt, machine, 5/8" x req'd length
d	2	Washer, round, 1 3/8"
d	12	Washer, square, 2 1/4"
f	2	Pin, crossarm, clamp type
g	1	Crossarm, 3 5/8" x 4 5/8" x 8' 0"
cu	1	Brace, wood, 60" span
da	1	Bracket, insulated
ek	10	Locknuts

DESIGN PARAMETERS:
See TABLE III

SINGLE SUPPORT ON CROSSARM (LARGE CONDUCTORS)

APRIL 2005	3 – PHASE PRIMARY	C1.13L
RUS	12.47/7.2 kV	(C1–4)



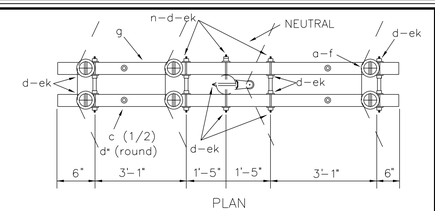


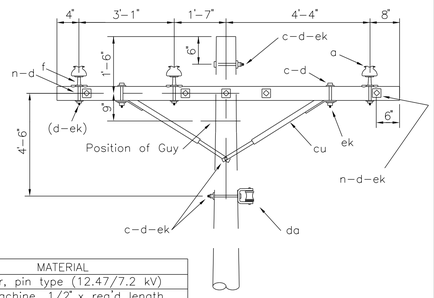
ITEM	QTY	MATERIAL
a	6	Insulator, pin type (12.47/7.2 kV)
b	2	Pin, pole top, 20", straight or offset
c	4	Bolt, machine, 1/2" x req'd length
c	5	Bolt, machine, 5/8" x req'd length
d	4	Washer, round, 1 3/8"
d	14	Washer, square, 2 1/4"
f	4	Pin, crossarm, steel, clamp type
g	2	Crossarm, 3 5/8" x 4 5/8" x 8' 0"
n	3	Bolt, double arming,5/8"x req'd length
cu	2	Brace, wood, 60" span
da	1	Bracket, insulated
ek	19	Locknuts

DESIGN PARAMETERS:
See TABLE III

DOUBLE SUPPORT ON CROSSARMS (LARGE CONDUCTORS)

APRIL 2005	3 – PHASE PRIMARY	C2.21L
RUS	12.47/7.2 kV	(C1–3)





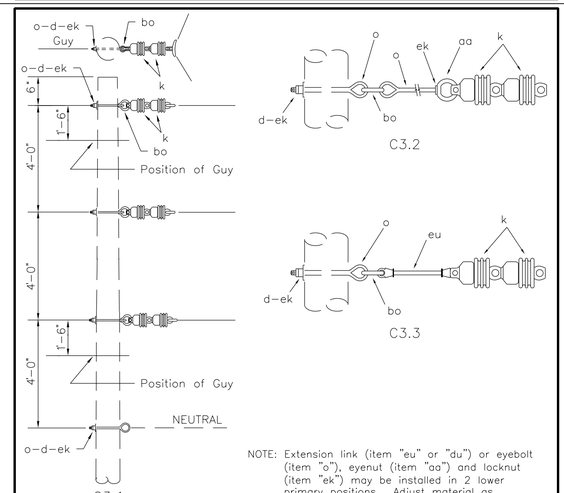
ITEM	QTY	MATERIAL
a	6	Insulator, pin type (12.47/7.2 kV)
c	4	Bolt, machine, 1/2" x req'd length
c	3	Bolt, machine, 5/8" x req'd length
d	4	Washer, round, 1 3/8"
d	22	Washer, square, 2 1/4"
f	6	Pin, crossarm, steel, clamp type
g	2	Crossarm, 3 5/8" x 4 5/8" x 10'–0"
n	5	Bolt, double arm, 5/8" x req'd length
cu	2	Brace, wood, 60" span
da	1	Bracket, w/ 3" x 3" spool insulator
ek	25	Locknuts

NOTE:
Neutral assembly may be installed on opposite side of pole when necessary to increase midspan conductor clearance.

DESIGN PARAMETERS:
See TABLE V

DOUBLE SUPPORT ON 10 FOOT CROSSARMS (LARGE CONDUCTORS)

APRIL 2005	3 – PHASE PRIMARY	C2.52L
RUS	12.47/7.2 kV	(C2–2)



NOTE: Extension link (item "eu" or "du") or eyebolt (item "o"), eyenut (item "aa") and locknut (item "ek") may be installed in 2 lower primary positions. Adjust material as required.

ASSEMBLY: C3		.1	.2	.3
ITEM	MATERIAL	QTY	QTY	QTY
d	Washer, square, 3", curved	4	4	4
k	Insulator, suspension, 4 1/4"	6	6	6
o	Bolt, eye, 5/8"x req'd length	4	7	4
aa	Nut, eye		3	
bo	Shackle, anchor	4	4	4
ek	Locknuts	4	7	4
eu (du)	Link, extension, insulated (Link, extension) – (optional)			3 (3)

DESIGN PARAMETERS:
PERMITTED TRANSVERSE LOAD= 5000 lbs./Conductor
20° – 60°: #1/0 ACSR & Larger
30° – 60°: Smaller Conductors

SUSPENSION ANGLE

APRIL 2005	3 – PHASE PRIMARY	C3.1,C3.2,C3.3
RUS	12.47/7.2 kV	(C3)

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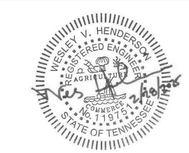

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: N.T.S.

1/6/2026
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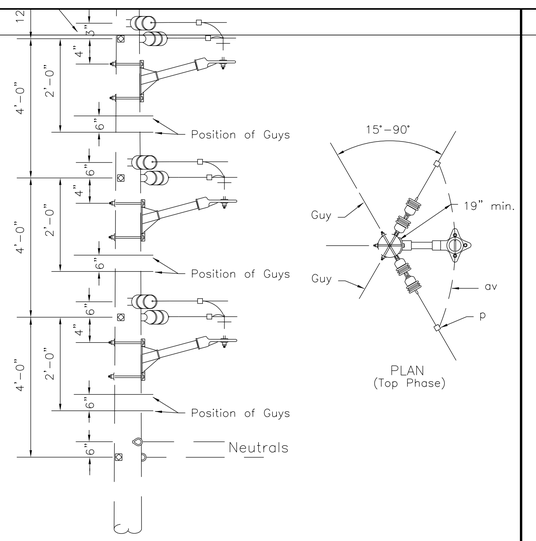
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-22

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



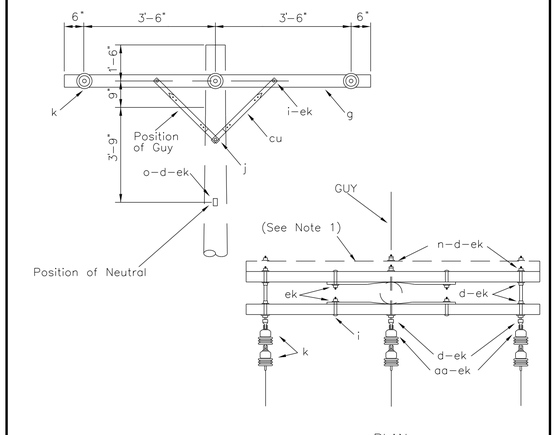
NOTES:
1. Separate 6" (top position only) when angle equals 90°.
2. This drawing shows three C5.1 and three A1.04N assemblies as an example. Any combination of three A1.04N plus C5.1 – C5.9, or A5.1 – A5.9 and A5.01 – A5.03 assemblies may be installed. Record assemblies separately on staking sheets.
CAUTION: Use the appropriate permitted longitudinal loads.

ITEM	QTY	MATERIAL
		Primary Assemblies, as req'd (See Note 2)
	3	A1.04N primary assemblies
p		Connectors, as req'd
av		Jumpers, as req'd

DESIGN PARAMETERS:
PERMITTED LONGITUDINAL LOAD = 5000 lbs./Conductor

DEADEND ANGLE GUIDE (15°–90°)

APRIL 2005	3 – PHASE PRIMARY	C4.2G
RUS	12.47/7.2 kV	



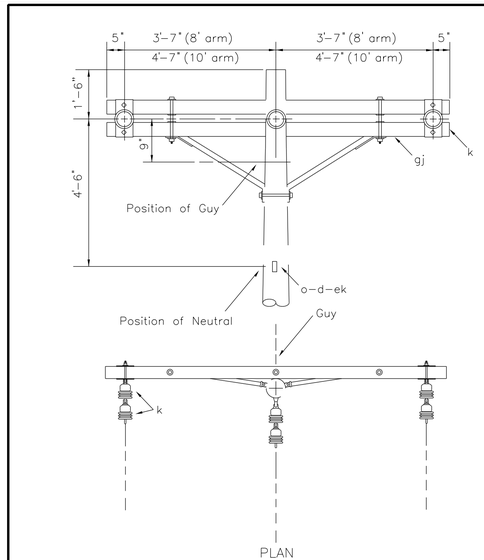
ITEM	QTY	MATERIAL
d	1	Washer, square, 3", curved
d	10	Washer, square, 2 1/4"
g	2	Crossarm, 3 5/8" x 4 5/8" x 8'-0"
i	4	Bolt, carriage, 3/8" x 4 1/2"
j	2	Screw, lag, 1/2" x 4"
k	6	Insulator, suspension, 4 1/4"
n	3	Bolt,double arming,5/8" x req'd length
o	1	Bolt, eye, 5/8" x req'd length
aa	3	Nut, eye, 5/8"
cu	4	Brace, 28"
ek	18	Locknuts

NOTES:
1. Designate as "C5.31" for assembly with three crossarms.
2. Double arming eye bolt, item "dy," may be used instead of double arming bolt, item "n", and eye nut, item "aa."
3. Other neutral assemblies may be used. See Section N. Adjust material as needed.

DESIGN PARAMETERS:
PERMITTED UNBALANCED CONDUCTOR TENSION:
See Table A (Exhibit 2)

SINGLE DEADEND ON CROSSARMS

APRIL 2005	3 – PHASE PRIMARY	C5.21,C5.31 (C7),(C7–1)
RUS	12.47/7.2 kV	

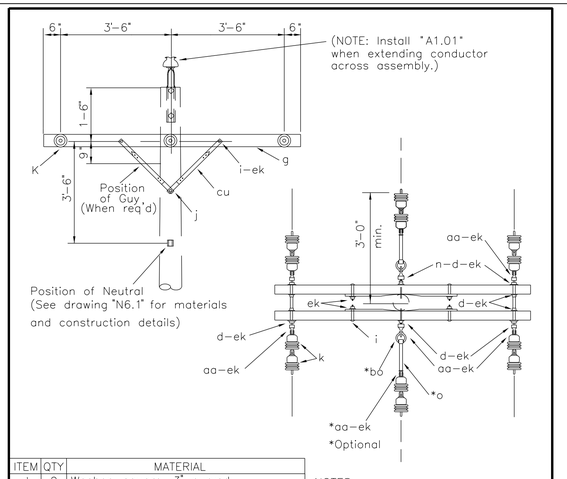


ITEM	QTY	MATERIAL
d	1	Washer, square, 3", curved
k	6	Insulator, suspension, 4 1/4"
o	1	Bolt, eye, 5/8" x req'd length
ek	1	Locknuts
gj	1	Crossarm Assembly

DESIGN PARAMETERS:
PERMITTED LONGITUDINAL LOAD EQUALS LESSER OF:
5,000 lbs/Conductor, or
Manufacturer's specifications times NESC strength factor.

SINGLE DEADEND ON CROSSARM ASSEMBLY

APRIL 2005	3 – PHASE PRIMARY	C5.71L (C7A)
RUS	12.47/7.2 kV	



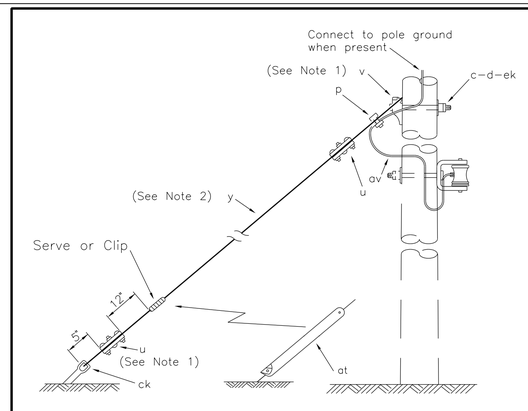
ITEM	QTY	MATERIAL
d	2	Washer, square, 3", curved
d	10	Washer, square, 2 1/4"
g	2	Crossarm, 3 5/8" x 4 5/8" x 8'-0"
i	4	Bolt, carriage, 3/8" x 4 1/2"
j	2	Screw, lag, 1/2" x 4"
k	12	Insulator, suspension, 4 1/4"
n	4	Bolt,double arming,5/8" x req'd length
o	2	Bolt, eye, 5/8" x req'd length
p		Connectors, as req'd
aa	8	Nut, eye, 5/8"
av		Jumpers, as req'd
bo	2	Shackle, anchor
cu	4	Brace, 28"
ek	26	Locknuts

NOTES:
1. Double arming bolt, item "n," and eye nut, item "aa," may be re–placed with double arming eye bolt, item "dy."
2. Maximum line angle may be increased to 15° by installing anchor shackles, item "bo," to (horizontal) eye nuts and installing side guys as req'd.
3. Designate as C6.31 for assembly with three crossarms.

DESIGN PARAMETERS:
PERMITTED UNBALANCED CONDUCTOR TENSION:
See Table A (Exhibit 2)
MAXIMUM LINE ANGLE = 5°
(See Note 2)

DOUBLE DEADEND ON CROSSARMS

APRIL 2005	3 – PHASE PRIMARY	C6.21 (C8) C6.31
RUS	12.47/7.2 kV	



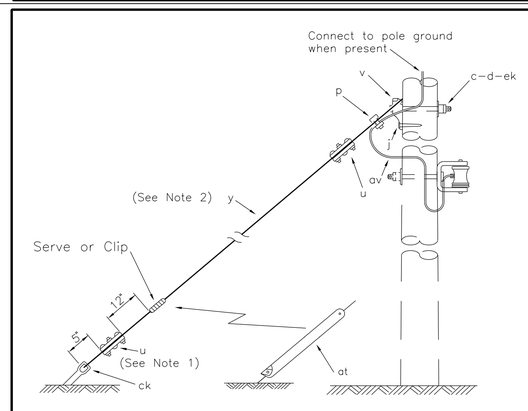
NOTES:
1. Other accepted and equivalent guy deadend material (item "u") and attachment (item "v") material may be substituted for the ones shown.
2. Some types of guy attachments use 2 bolts and washer or lag screw (item "j"), change materials accordingly.
3. Specify guy wire size, type and required length.

ITEM	QTY	MATERIAL
c	1	Bolt, machine, 5/8" x req'd length
d	1	Washer, 3" square, curved
p		Connectors, guy bond and as req'd
u	2	Deadend for guy strand (See Note 1)
v	1	Guy attachment (See Note 1)
y		Guy wire, as req'd (See Note 3)
at	1	Guy marker
av		Jumpers, as req'd
ck	1	Clamp, anchor bonding
ek	1	Locknuts

DESIGN PARAMETERS:
PERMITTED LOAD IS LESSER OF:
6,600 lbs (in any direction)
or 90% RATED BREAKING STRENGTH OF GUY WIRE

SINGLE DOWN GUY (THROUGH BOLT TYPE)

APRIL 2005		E1.1 (E1–2)
RUS		



NOTES:
1. Other accepted and equivalent, heavy duty, guy deadend material (item "u") may be substituted for the ones shown.
2. Pole eye plate guy attachment and anchor shakle (item "bo") may be used.

ITEM	QTY	MATERIAL
c	1	Bolt, machine, 3/4" x req'd length
d	1	Washer, square, 4", curved
p		Connectors, guy bond and as req'd
j	1	Screw, lag, 1/2" x 4"
u	2	Deadend for guy strand, heavy duty
v	1	Guy attachment, guy hook type
y		Guy wire, as req'd (See Note 4)
at	1	Guy marker
av		Jumpers, as req'd
ck	1	Clamp, anchor bonding
ek	1	Locknuts

3. 2–5/8 machine bolts and 2–3 square curved washers may be used to install guy attachment.
4. Specify guy wire size, type and required length.

DESIGN PARAMETERS:
PERMITTED LOAD IS LEAST OF:
8,500 lbs (in any direction)
or 90% RATED BREAKING STRENGTH OF GUY WIRE

SINGLE DOWN GUY – HEAVY DUTY (THROUGH BOLT TYPE)

APRIL 2005		E1.1L (E1–3)
RUS		

1/6/2026
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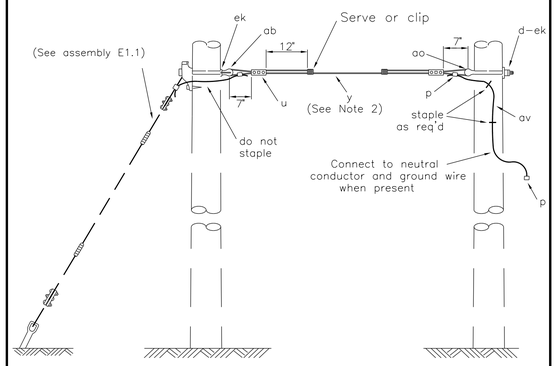
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: N.T.S.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-23

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



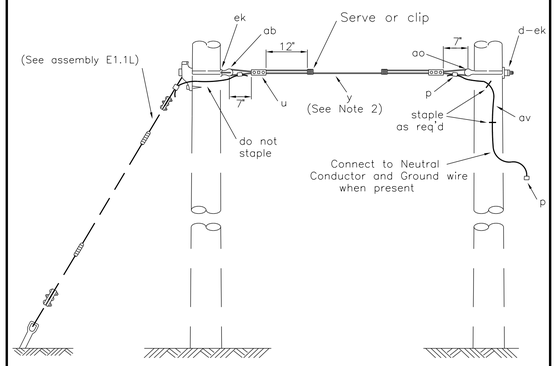
NOTES:
1. Other accepted and equivalent, guy deadends (item "u"), may be substituted for the 3–bolt clamps shown.
2. Specify guy wire size, type and required length.
3. Wrapped type overhead guys may be used. (See drawing E1.2 as guide)

ITEM	QTY	MATERIAL
d	1	Washer, 3" square, curved
p		Connectors, guy bond and as req'd
u	2	Deadend for guy strand, heavy duty
y		Guy wire, as req'd (See Note 2)
ab	1	Nut, thimble eye type, 5/8"
ao	1	Bolt, thimble eye, 5/8"x req'd length
av		Jumpers, as req'd
ek	2	Locknuts

DESIGN PARAMETERS:
PERMITTED LOAD IS LESSER OF:
6,600 lbs. (HORIZONTAL)
or 90 ∫ RATED BREAKING STRENGTH OF GUY WIRE

SINGLE OVERHEAD GUY (THROUGH BOLT TYPE)

APRIL 2005 | RUS | E1.4 (E2–2)



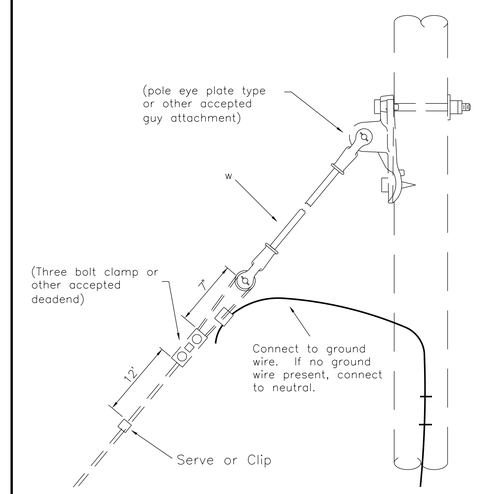
NOTES:
1. Other accepted and equivalent, guy deadends (item "u"), may be substituted for the 3–bolt clamps shown.
2. Specify guy wire size, type and required length.
3. Wrapped type overhead guys may be used. (See drawing E1.2 as guide)
4. Assembly requires 3/4" bolt on down guy assembly attachment.

ITEM	QTY	MATERIAL
d	1	Washer, 4" square, curved
p		Connectors, guy bond and as req'd
u	2	Deadend for guy strand, heavy duty
y		Guy wire, as req'd (See Note 2)
ab	1	Nut, thimble eye type, 3/4"
ao	1	Bolt, thimble eye, 3/4"x req'd length
av		Jumpers, as req'd
ek	2	Locknuts

DESIGN PARAMETERS:
PERMITTED LOAD IS LESSER OF:
8,500 lbs. (HORIZONTAL)
or 90 ∫ RATED BREAKING STRENGTH OF GUY WIRE

SINGLE OVERHEAD GUY – HEAVY DUTY (THROUGH BOLT TYPE)

APRIL 2005 | RUS | E1.4L (E2–3)



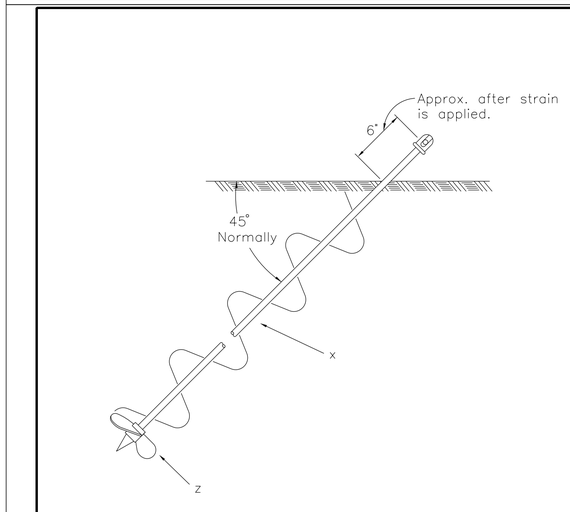
NOTE: Ground wire jumper may be attached to down guy wire below guy deadend connector.

ITEM	MATERIAL
w	Insulator, guy strain

DESIGN PARAMETERS:
PERMITTED LOAD = 8,500 lbs.

GUY STRAIN INSULATOR

APRIL 2005 | RUS | E1.5



NOTE: Designated maximum holding power rating assumes proper installation in class 5 soil.

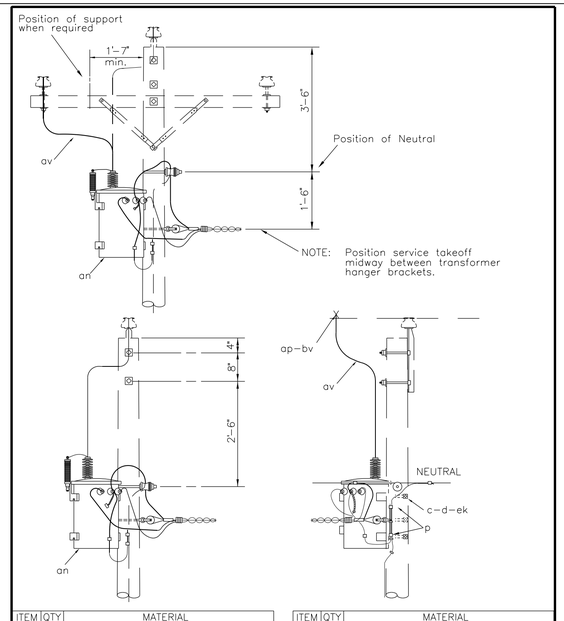
	ASSEMBLY: F2	.6	.8	.10	.12
	Minimum Area (sq. in.)	90	100	120	135
ITEM	MATERIAL	QTY	QTY	QTY	QTY
x	Rod, anchor, thimble eye, 5/8" x 7'0"	1	1		
x	Rod, anchor, twin eye, 3/4 X 8'0			1	1
z	Anchor, screw type, power installed	1	1	1	1

ASSEMBLY NUMBERS	
NEW	(OLD)
F2.6	(F1–1S)
F2.8	(F1–2S)
F2.10	(F1–3S)
F2.12	(F1–4S)

DESIGN PARAMETERS:
DESIGNATED MAXIMUM HOLDING POWER (lbs.)
F2.6: 6,000
F2.8: 8,000
F2.10: 10,000
F2.12: 12,000

SCREW ANCHORS, (POWER INSTALLED)

APRIL 2005 | RUS | F2.6, F2.8, F2.10, F2.12



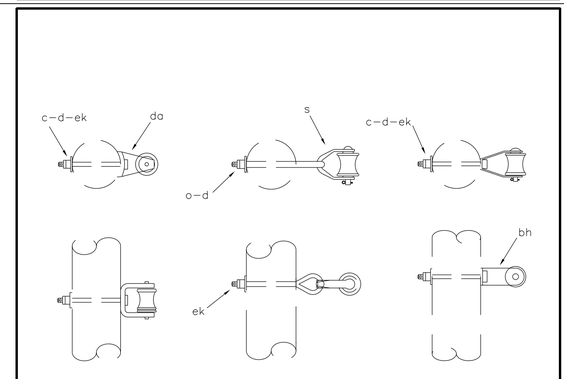
ITEM	QTY	MATERIAL
c	2	Bolt, machine, 5/8" x req'd length
d	2	Washer, square, 2 1/4"
p		Connectors,compression type,as req'd
an	1	Transformer, 12.47 kV, self–protected

ITEM	QTY	MATERIAL
ap	1	Clamp, hot line
av		Jumpers, stranded, as req'd
bv	1	Rod, armor (as req'd)
ek	2	Locknuts

DESIGN PARAMETERS:
See Guide Drawing "G1.1G"

SINGLE–PHASE, CSP TRANSFORMER (TANGENT POLE)

APRIL 2005 | RUS | 12.47/7.2 kV | G1.2 (G105–),(G136–)



	ASSEMBLY: K1	.1	.2	.3
ITEM	MATERIAL	QTY	QTY	QTY
c	Bolt, machine, 5/8" X req'd length	1		1
d	Washer, 2 1/4" square	1	1	1
o	Bolt, eye, 5/8" X req'd length		1	
s	Clevis, secondary, swinging, insulated		1	
bh	Clevis, service, deadend, insulated			1
ek	Locknuts	1	1	1
da	Bracket, insulated	1		

ASSEMBLY NUMBERS	
NEW	(OLD)
K1.1	(K14C)
K1.2	(K11C)
K1.3	(K14) (K14L)

DESIGN PARAMETERS:
PERMITTED LONGITUDINAL LOADING:
1,500 lbs. (ANSI Class 53–2 Insulator)
2,250 lbs. (ANSI Class 53–4 Insulator)

SERVICE ASSEMBLIES (POLE MOUNTED)

APRIL 2005 | RUS | K1.1,K1.2,K1.3

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10025 Investment Drive, Suite 120
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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: N.T.S.

1/6/2026
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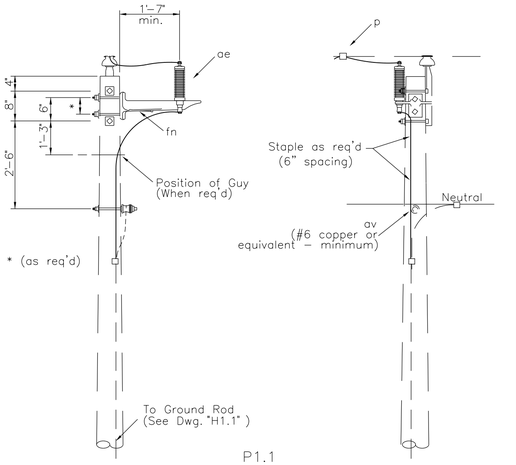
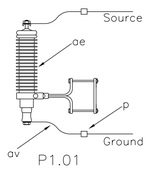
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U3-24

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



NOTE: Use "P1.01" on existing arm, a minimum of 19" from face of pole.

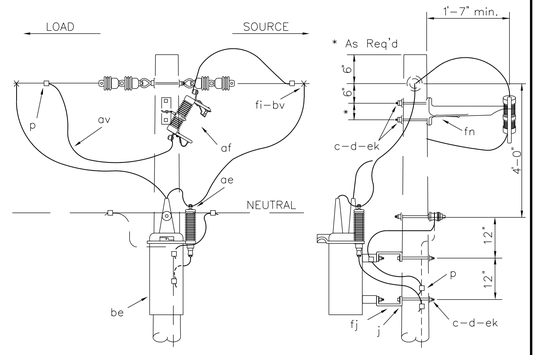


ASSEMBLY: P1

ITEM	MATERIAL	QTY	QTY
c	Bolt, machine, 5/8 x req'd length		
d	Washer, square, 2 1/4		
p	Connectors, as req'd		
ae	Arrester, surge, (9 kV)		
av	Jumpers, as req'd		
fn	Bracket, cutout extension		
ek	Locknuts		

SURGE ARRESTERS – SINGLE PHASE

APRIL 2005	1 – PHASE PRIMARY	P1.01, (M5-6)
RUS	12.47/7.2 kV	P1.1



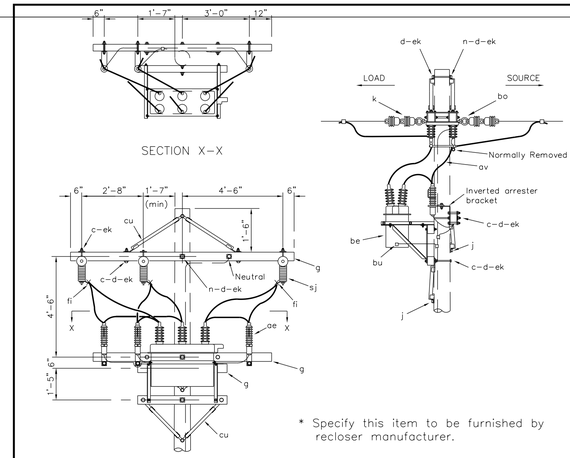
NOTE: The recloser terminal bushing connected to the coil should be connected to the source.

ITEM	QTY	MATERIAL
c	4	Bolt, machine, 5/8" x req'd length
d	4	Washer, square, 2 1/4"
j	4	Screw, lag, 1/2" x 4"
p		Connector, as required
ae	1	Arrester, surge (9 kV)
af	1	Cutout, distribution, open (15 kV)
av		Jumpers, stranded, as required

ITEM	QTY	MATERIAL
be	1	Recloser, oil circuit (12.47 kV)
bv		Rod, armor, as req'd
ek	4	Locknuts
fi	2	Connector, hot line
fj	2	Brackets, extension, 9" long
fn	1	Bracket, extension

OIL CIRCUIT RECLOSER (WITH BYPASS CUTOUT)

APRIL 2005	1 – PHASE PRIMARY	R1.2
RUS	12.47/7.2 kV	(M3-23A)

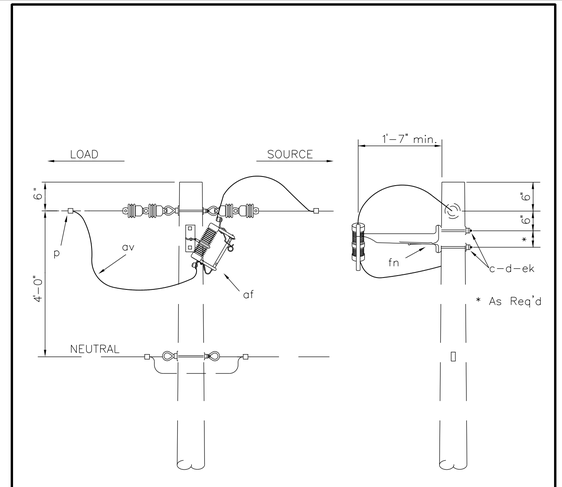


* Specify this item to be furnished by recloser manufacturer.

ITEM	NO.	MATERIAL	ITEM	NO.	MATERIAL
c	3	Bolt, machine, 5/8"x req'd length	aa	2	Nut, eye, 5/8"
c	4	Bolt, machine, 1/2"x req'd length	ae	3	Surge arrester
d	12	Washer, sq. 2-1/4"x 3/16", 13/16"hole	av	–	Jumpers, stranded, as req'd
d	4	Washer, rd. 1-3/8" dia., 9/16" hole	be	1	Recloser, oil circuit – 3 phase
g	2	Crossarm, 3-5/8"x 4-5/8"x 10'-0"	*	1	Mounting bracket for 3 phase recloser
g	1	Crossarm, 3-5/8"x 4-5/8"x 8'-0"	bo	6	Shackle, anchor
g	2	Crossarm, 3-5/8"x 4-5/8"x 4'-0"	bu	1	Connector, solderless
j	2	Screw, lag, 5/8"x req'd length	cu	2	Brace, crossarm, wood, 60" span
k	12	Insulator, suspension	cu	4	Brace, crossarm, wood, 28"
l	6	Clamp, deadend	ek	–	Locknuts, as req'd
n	3	Bolt, double arming, 5/8"x req'd length	fi	6	Connector, hot line
p	–	Connectors, as req'd	sj	3	Switch, recloser by-pass

THREE-PHASE OIL CIRCUIT RECLOSER WITH BY-PASS SWITCHES

APRIL 2005	3 – PHASE PRIMARY	R3.3
RUS	12.47/7.2 kV	(M3-30)

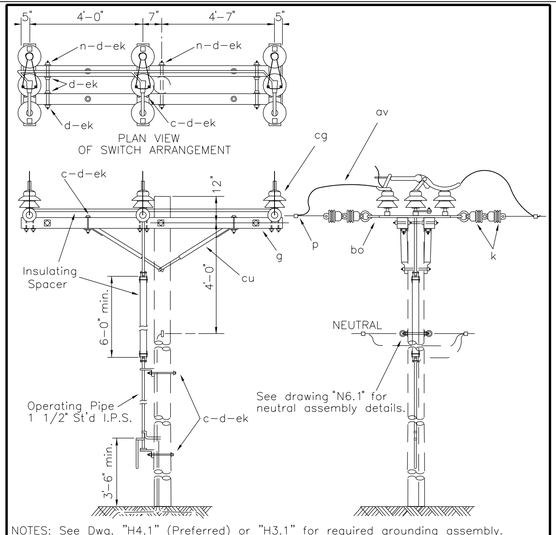


NOTE: Specify fuse size or solid blade

ITEM	QTY	MATERIAL
c	2	Bolt, machine, 5/8" x req'd length
d	2	Washer, square, 2 1/4"
p	2	Connector, compression type
af	1	Cutout, distribution, open (15 kV)
av		Jumpers, as required
ek	2	Locknuts
fn	1	Bracket, extension

CUTOUT – SINGLE PHASE

APRIL 2005		S1.1
RUS	12.47/7.2 kV	(M3-4)



NOTES: See Dwg. "H4.1" (Preferred) or "H3.1" for required grounding assembly. RUS accepted pre-assembled, group operated, airbreak switches may be used. Install according to manufacturer's instructions.

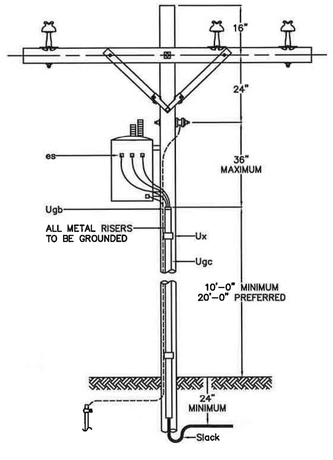
ITEM	QTY	MATERIAL
c	4	Bolt, machine, 1/2" x req'd length
c	15	Bolt, machine, 5/8" x req'd length
d	4	Washer, round, 1 3/8"
d	25	Washer, square, 2 1/4"
d	2	Washer, square, 3"
g	2	Crossarm, 3 5/8" x 4 5/8" x 10'-0"
k	12	Insulator, suspension, 4 1/4"
n	4	Bolt, double arm, 5/8" x req'd length
p		Connectors, as required

ITEM	QTY	MATERIAL
aa	2	Nut, eye, 5/8"
av		Jumpers, as required
bo	6	Shackle, anchor
cg	1	Switch, airbreak, group operated 15 kV, w/ operating mechanism
cu	2	Brace, wood, 60" span
ek	33	Locknuts

GROUP-OPERATED AIRBREAK SWITCH (THREE-PHASE)

APRIL 2005	3 – PHASE PRIMARY	S2.32
RUS	12.47/7.2 kV	(M3-15)

Single-Phase Secondary Riser Pole **UM-5-2**



NOTES:
1– Seal secondary cables to prevent entrance of moisture at transformer.
2– Allow minimum cable slack of 24" at bottom of riser.
3– All live parts must have an 18 foot clearance above ground and must be installed a minimum of 6 inches above the neutral conductor.

ITEM	QUANTITY IDENTICAL	QUANTITY	DESCRIPTION
es	*	*	Moisture Seal, As Req'd
Ugb	1	1	Bushing, Grounding Type, Size To Fit Riser Conduit
Ugc	1	1	Cable Riser Conduit, Galvanized Rigid Steel, Length As Req'd
Ux	*	*	Strap, Conduit, 2 Hole, Size And Number As Req'd

TENNESSEE VALLEY PUBLIC POWER ASSOCIATION

SINGLE-PHASE SECONDARY RISER POLE

RUS EQUIVALENT: NONE

DWG. No. UM-5-2

DATE	REVISION	DATE	REVISION

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DETAILS

SCALE: N.T.S.

1/6/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-1

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

UTILITY INDEX

SHEET NAME	SHEET NUMBER
ESTIMATED UTILITY QUANTITIES	U4-1
GENERAL NOTES	U4-2
UTILITY RELOCATION STA. 500+41.07 TO STA. 509+00.00	U4-4
UTILITY RELOCATION STA. 509+00 TO 522+00	U4-5
UTILITY RELOCATION STA. 522+00 TO 535+00	U4-6
UTILITY RELOCATION STA. 535+00 TO 548+00	U4-7
UTILITY RELOCATION STA. 548+00 TO 557+00	U4-8
UTILITY RELOCATION STA. 557+00 TO 567+00	U4-9
UTILITY RELOCATION STA. 567+00 TO 577+00	U4-10
UTILITY RELOCATION STA. 577+00 TO 590+00	U4-11
UTILITY RELOCATION STA. 590+00 TO 601+00	U4-12
UTILITY RELOCATION STA. 601+00 TO 612+00	U4-13
UTILITY RELOCATION STA. 612+00 TO 619+50	U4-14
UTILITY RELOCATION STA. 64+00 TO 69+40	U4-15
UTILITY RELOCATION STA. 83+00 TO 89+75	U4-16
UTILITY RELOCATION STA. 219+00 TO 225+55	U4-17
UTILITY RELOCATION STA. 202+50 TO 210+00	U4-18
UTILITY RELOCATION STA. 70+45 TO 80+15	U4-19
DETAILS	U4-20
DETIALS	U4-21

PREFERRED CONTRACTORS:
1. SERVICE ELECTRIC
2. MNJ CONSTRUCTION
3. CENTERLINE COMMUNICATIONS, LLC

ESTIMATED UTILITY QUANTITIES

			Project No. 1: 62016-3206-14		
FOOTNOTES	ITEM NO.	DESCRIPTION	LUB/RUS UNITS	UNIT	QUANTITY
1	793-07.05	96 FIBER (MATERIAL ONLY)	ADSS(96)	L.F.	7927
1	793-07.16	12-96 FIBER (INSTALLATION ONLY)	ADSS(96)	L.F.	7927
3	793-04.07	AERIAL SPLICE CLOSURE	ENC-MS-PM(100')	EA	2
	790-74.31	FIBER TANGENT ASSM	F1	EA	25
	790-74.32	FIBER DEADEND ASSM	DE	EA	1
	790-74.33	ADSS FIBER DOUBLE DEAD-ENDS	DDE-A	EA	5
	790-74.33	ADSS FIBER STRAIGHT DOUBLE DEAD-ENDS 0-20	DDE-S	EA	6
2	793-07.23	FIBER OPTIC MAINATENANCE LOOP	FSSL-PM (100')	EA	8
	793-07.25	SINGLE FIBER OPTIC CABLE SPLICE	HO-1	EA	192
4	793-98.01	REMOVE AERIAL CABLE AND WIRE	ADSS(96)	L.F.	7430
	793-98.10	REMOVE FIBER STORAGE BRACKET	ENC-MS-PM(xx)	EA	8

FOOTNOTES:

1	INCLUDES ALL MATERIALS AND EQUIPMENT INCLUDING BUT NOT LIMITED TO MOUNTING HARDWARE, BONDING/GROUNDING, STRAND SIZE AS INDICATED IN SPECS., AND LOOPS.
2	INCLUDES DELASHING AND RELASHING ACCOMPLISHING THE PLACEMENT/RELOCATION OF THE FIBER LOOP, INCLUDES TRAFFIC CONTROL. FIBER IN THE LOOP IS PAID FOR IN THIS PAY ITEM.
3	INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, MOUNTING HARDWARE, BONDING/GROUNDING AND SPLICING. FIBER IN THE LOOP IS P AID FOR IN THIS PAY ITEM.
4	INCLUDES ALL CABLES, DROPS, GUYS, STRAND, FUSE LINKS, TERMINALS

UTILITY COMPANY CONTACT

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LOUDON UTILITIES
P.O. BOX 69
LOUDON, TN 37774
865-458-2091
EMAIL: AUBREY.CAGLE@LOUDONUTILITIES.ORG

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED UTILITY QUANTITIES
SCALE: NONE

1/16/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-2

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

GENERAL NOTES:

1. THE TOPOGRAPHIC & BOUNDARY DATA WAS TAKEN FROM A SURVEY RECEIVED FROM TENNESSEE DEPARTMENT OF TRANSPORTATION (TDOT).
2. ALL CONTRACTOR INSTALLATIONS WILL BE INSPECTED BY. CONTACT LUB FIBER ENGINEERING AT LEAST THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION.
3. LOCATE EXISTING UTILITIES. CALL THE TENNESSEE ONE CALL SYSTEM AT 1-800-351-1111.
4. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS TO NOTIFY THEM OF WORK IN THE AREA AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY. NOTIFICATION SHALL BE GIVEN AT LEAST THREE BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
5. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY POTHOLING AND BY CONTACTING THE UTILITY COMPANIES INVOLVED.
6. PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. FURNISH ANY SPECIAL EQUIPMENT REQUIRED TO WORK OVER AND AROUND THE UTILITIES AT NO ADDITIONAL COST.
7. TRENCH DESIGN AND SAFETY FOR UNDERGROUND CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, AND OSHA REGULATIONS.
8. THE PROPOSED SITE LAYOUT SHOWN ON THESE DRAWINGS IS APPROXIMATE. REFER TO ROADWAY PLANS FOR ACTUAL DIMENSIONS. COORDINATE WITH ON-SITE SURVEYOR TO MARK PROPOSED FACILITIES, PROPOSED GRADE CHANGE, AND RIGHT-OF-WAY BEFORE SETTING POLES. ALL INSTALLATIONS SHALL BE LOCATED OUTSIDE OF PAVED AREAS UNLESS OTHERWISE NOTED.
9. TDOT WILL IMPLEMENT AND MAINTAIN TRAFFIC CONTROL AS SHOWN ON PLANS. THIS DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES TO THE SAFETY OF THE TRAVELING PUBLIC. CONTRACTOR IS RESPONSIBLE FOR INCLUDING ANY ADDITIONAL TRAFFIC CONTROL DEEMED NECESSARY IN ACCORDANCE WITH THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
10. EROSION CONTROL DEVICES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDEC'S EROSION AND SEDIMENT CONTROL HANDBOOK. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S FAILURE TO PROVIDE AND MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
11. QUANTITIES SHOWN ON MATERIAL LISTS ARE NOT INTENDED TO BE CONTRACTUAL LIMITS. BIDDER SHALL EXAMINE JOB SITE, PLANS, SPECIFICATIONS, AND STANDARDS AND SHALL INCLUDE ALL INCIDENTAL MATERIALS AND QUANTITIES NEEDED FOR A COMPLETE INSTALLATION.
12. LIST OF PREQUALIFIED CONTRACTORS:
WAVEGUIDE COMMUNICATIONS

FIBER UTILITY NOTES:

1. WORK SHALL CONFORM TO NATIONAL, STATE, & LOCAL CODES AS WELL AS TO LUB FIBER NET STANDARD DRAWINGS, SPECIFICATIONS, & CONTRACT DOCUMENTS. WHERE A CONFLICT EXISTS BETWEEN APPLICABLE CODES, THE MOST CONSERVATIVE OR STRINGENT VERSION SHALL BE APPLIED.
2. CONTRACTOR SHALL OBTAIN LATEST COPY OF STANDARD DRAWINGS AND SPECIFICATIONS FROM TDOT PRIOR TO PLACING MATERIAL ORDER OR BEGINNING WORK.
3. POLE NUMBERS REFERENCED ON PLANS ARE FOR LOCATION REFERENCE ONLY. CONTRACTOR TO LABEL EQUIPMENT PER CURRENT LUB FIBER SPECIFICATIONS. ANY BLANK NUMBERS (I.E., #____) SHOWN ON PLANS SHALL BE OBTAINED FROM LUB FIBER PROJECT REPRESENTATIVE. COORDINATE WITH LUB FIBER PROJECT MANAGER (TRAVIS WILLIAMS, 865-740-6304) FOR FINAL POLE NUMBERS WHERE APPLICABLE.
4. RE-ATTACH ALL DROPS TO MAINTAIN SERVICE TO END USERS. COORDINATE ANY NEW CONNECTIONS WITH LUB FIBER PROJECT MANAGER.
5. POLE LOCATION COORDINATES ARE FOR GENERAL LOCATION REFERENCE. CONTRACTOR SHALL ADJUST TANGENT POLES WHERE POSSIBLE TO ELIMINATE UNNECESSARY LINE ANGLES.
6. SPAN LENGTHS ARE APPROXIMATE AND MEASURED FROM CENTER OF POLE TO CENTER OF POLE.
7. PRIOR TO PULLING CABLES, CONTRACTOR SHALL ENSURE CORRECT INSTALLATION TENSIONS.
8. EXISTING CABLES SHALL BE TRANSFERRED TO NEW POLES EXCEPT WHERE NOTED TO BE REMOVED. IF EXISTING CABLES ARE FOUND TO BE IN POOR CONDITION, COORDINATE WITH LUB FIBER FOR REPLACEMENT. LABOR FOR CABLES TRANSFER FROM OLD POLES TO NEW POLES SHALL BE INCLUDED IN THE COST OF INSTALLATION AND REMOVAL OF POLE FRAMING'S.
9. INSTALL YELLOW PLASTIC, FULL-ROUND, SLIT-SPIRAL GUY GUARDS ON THE TOP MOST DOWNGUY AT EACH ANCHOR.

TDOT STANDARD UTILITY NOTES

1. EXCEPT FOR EROSION SEDIMENT CONTROL ITEMS, NO ROADWAY OR BRIDGE ITEMS SHALL BE UTILIZED TO COMPENSATE FOR WORK METHODS OR MATERIALS ASSOCIATED WITH AND/OR SPECIFIED FOR THE UTILITY INSTALLATION, EVEN THOUGH THE SAME OR SIMILAR ROADWAY OR BRIDGE MATERIALS MAY HAVE BEEN CALLED FOR IN THE UTILITY SPECIFICATIONS OR DRAWINGS.
2. ALL MATERIALS, METHODS, AND/OR INTEGRAL MATERIALS OUTLINED IN THE UTILITY SPECIFICATIONS OR DRAWINGS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION LUBT BE INCLUDED IN THE UNIT PRICE FOR THE ASSOCIATED UTILITY WORK ITEM.
3. THE CONTRACTOR SHALL MAINTAIN ALL SERVICES DURING THE CONSTRUCTION OF THE RELOCATED FACILITY. ANY COSTS ASSOCIATED WITH INSTALLATION OF REQUIRED TEMPORARY SERVICE LINES DUE TO THE ROADWAY CONSTRUCTION SEQUENCE OF WORK (I.E., CUTS, FILLS, PHASING, ETC.) SHALL BE INCLUDED IN THE COST OF THE PERMANENT UTILITY ITEMS.
4. IT SHALL BE THE RESPONSIBILITY OF THE PRIME CONTRACTOR'S SURVEYOR TO LAY OUT ALL THE FACILITIES BEING RELOCATED WITHIN THE CONTRACT.
5. FOR BURIED UTILITIES, THE PRIME CONTRACTOR OR SUBCONTRACTOR SHALL BE REQUIRED TO PROVIDE TO THE UTILITY, UPON COMPLETION OF THE UTILITY'S RELOCATION WORK, A SET OF AS-BUILT DRAWINGS FOR THEIR RECORDS. THESE AS-BUILT DRAWINGS SHOULD BE PREPARED AS THE JOB PROGRESSES TO ENSURE THEIR ACCURACY.
6. WHERE EROSION CONTROL MEASURES ARE NEEDED FOR THE UTILITY RELOCATION WORK OCCURRING INSIDE OR OUTSIDE STATE RIGHT-OF-WAY, THE CONTRACTOR SHALL SUBMIT TO THE TDOT PROJECT SUPERVISOR FOR APPROVAL A PROPOSED EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING THE WORK. TDOT APPROVAL LUBT BE RECEIVED BEFORE THE EROSION CONTROL PAY ITEMS FOR ROADWAY CONSTRUCTION CAN BE USED FOR ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED FOR THE UTILITY RELOCATION WORK.
7. DRIVEWAY, SIDEWALK, AND ROADWAY TEMPORARY RESTORATION SHALL BE PART OF THE IN-PLACE COST OF PLACING THE UTILITY ITEM WITHIN THE RIGHT-OF-WAY.

LEGEND:

	EXISTING STORAGE LOOP TO REMAIN
	EXISTING STORAGE LOOP TO BE RETIRED
S	PROPOSED STORAGE LOOP
N	EXISTING SPLICE CASE TO REMAIN
N	EXISTING SPLICE CASE TO BE RETIRED
N	PROPOSED SPLICE CASE WITH STORAGE LOOP
	EXISTING 96F TO REMAIN
	EXISTING 96F TO BE RETIRED
	PROPOSED 96F
	EXISTING HAND HOLE TO REMAIN
	EXISTING HAND HOLE TO BE RETIRED
	PROPOSED HAND HOLE
V	EXISTING VAULT TO REMAIN
V	EXISTING VAULT TO BE RETIRED
V	PROPOSED VAULT
	EXISTING HEADGUY(S) TO REMAIN
	EXISTING HEADGUY(S) TO BE REMOVED
	PROPOSED HEADGUY(S) TO BE INSTALLED
	EXISTING POWER UTILITY POLE
	EXISTING UTILITY ANCHOR & DOWNGUY(S) TO REMAIN
	EXISTING UTILITY ANCHOR & DOWNGUY(S) TO BE REMOVED
	PROPOSED UTILITY ANCHOR & DOWNGUY(S) TO BE INSTALLED
	EXISTING OVERHEAD TRANSFORMER(S) TO REMAIN OR TO BE TRANSFERRED TO NEW POLE
	EXISTING OVERHEAD TRANSFORMER(S) TO BE REMOVED
	PROPOSED OVERHEAD TRANSFORMER(S) TO BE INSTALLED
	WORK OFF OF TDOT ROW
110	PROPOSED ROADWAY CENTERLINE & STATION IDENTIFICATION
15°	PROPOSED LINE ANGLE

AA	ALL ALUMINUM CONDUCTOR
ACSR	ALUMINUM CONDUCTOR STEEL REINFORCED
CU	COPPER
DI	DUCTILE IRON
DX	DUPLEX CABLE
EXST.	EXISTING
NEU	NEUTRAL
OWS	OPEN WIRE SECONDARY
PRI	PRIMARY
PVT LT	PRIVATE LIGHT (OWNED BY LUB FIBER)
QX	QUADRUPLEX CABLE
RR	RAILROAD
SEC	SECONDARY
STLT	STREET LIGHT (OWNED BY OTHERS)
TX	TRIPLEX CABLE
TYP.	TYPICAL
UG	UNDERGROUND
WP	WOOD POLE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION NOTES & LEGEND

SCALE: N.T.S.

1/16/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-4

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

62016-2206-14
BEGIN PROJECT STP-322(15)
STA. 500+41.07 (R.O.W.)
N 471725.8505 E 2473024.3864

62016-2206-14
BEGIN PROJECT STP-322(15)
STA. 501+25.00 (CONST.)
N 471642.0100 E 247302.2608

N

500

505

① GEORGE H. DUVALL

③ CARL BLANKENSHIP AND WIFE, BRENDA BLANKENSHIP

② KADEN MCKEWON ET AL

④

1-FR-RES

R: ADSS(96)
N: ENC-MS-PM=1
N: HO-1=96
N: DDE-S=1
N: ADSS(96)=233'

N: DDE-A=1
N: ADSS(96)=295'

N: F1=1
N: ADSS(96)=295'

N: F1=1
N: ADSS(96)=247'

R: ADSS(96)=235

R: ADSS(96)=262

R: ADSS(96)=240
R: ENC-MS-PM=100

MATCH LINE STA. 509+00 SEE SHT. NO. U4-5

EP1 P1 P2 RP1 RP2 RP3 RP1R1

END OF MARKING
EDGE OF PARKING
LAST MARK
TO BE REMOVED
CURVE
PRES. R.O.W.
RW
F
A
C
N

(262')
(240')
(235')
233'
295'
247'
12'
24'

26"x24" CMP
29"x24" CMP
INV-853.87
INV-853.68

SR322
SR322
10.7' SR322
12' ASP
12' ASP

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 500+41.07 TO STA. 509+00.00

SCALE: 1"= 50'

1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-4.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-5

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

MATCH LINE STA. 509+00 SEE SHT. NO. U4-4

MATCH LINE STA. 522+00 SEE SHT. NO. U4-6

510

515

520

525

530

535

540

545

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555

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565

570

575

580

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590

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675

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685

690

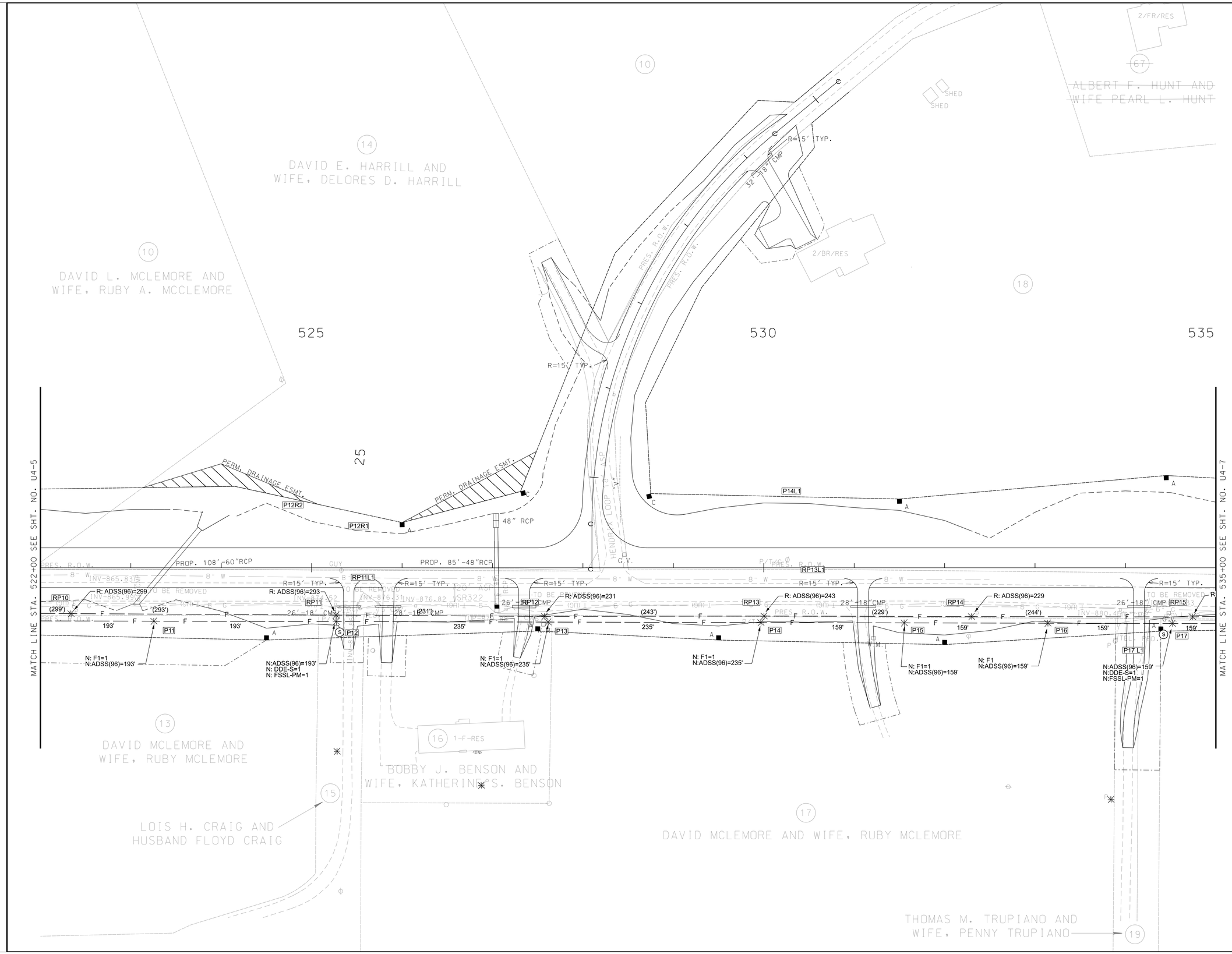
695

700

705

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-6

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

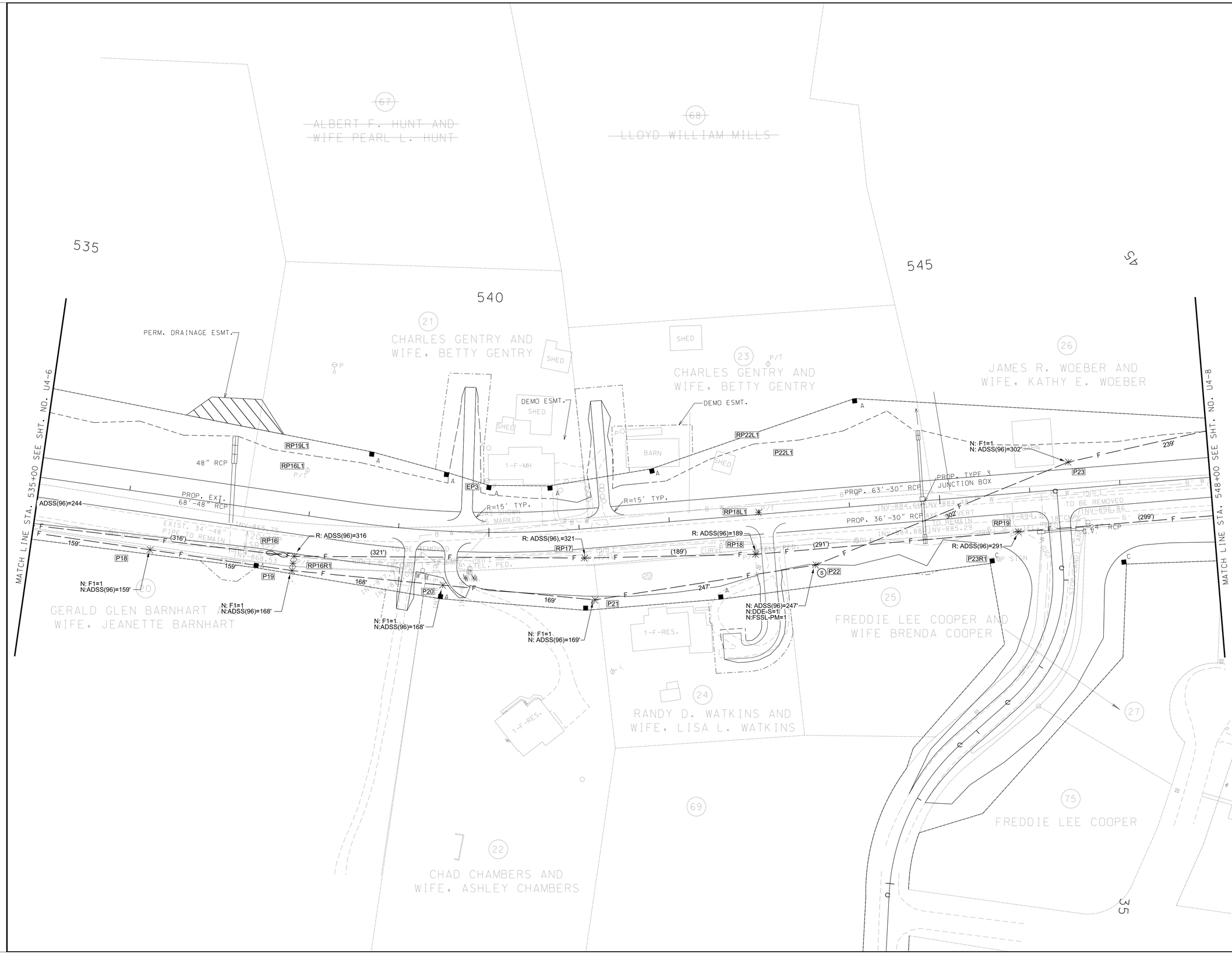
STA. 522+00 TO STA. 535+00

SCALE: 1"= 50'

1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-6.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-7

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

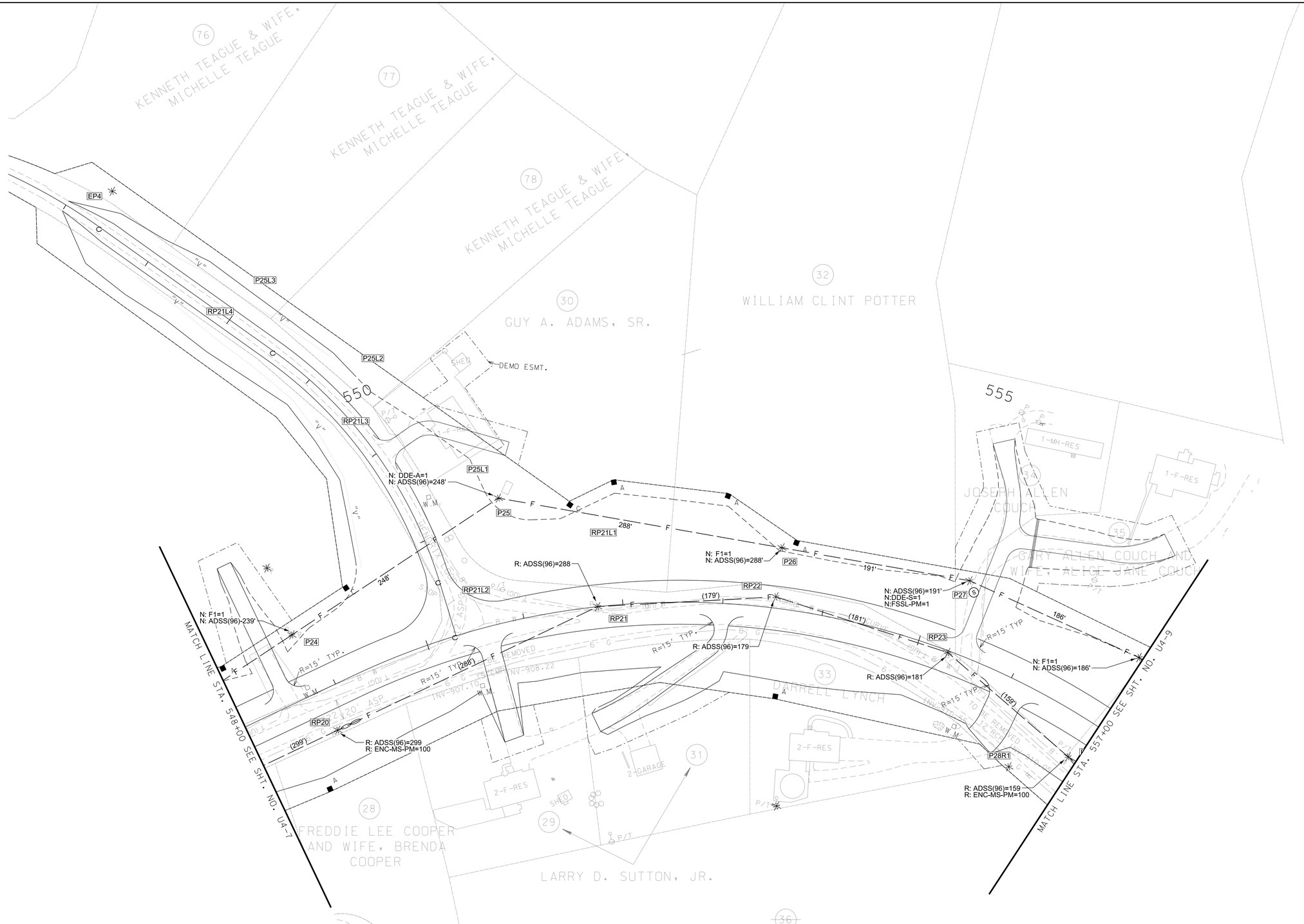
STA. 535+00 TO STA. 548+00

SCALE: 1"= 50'

1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-7.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-8

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

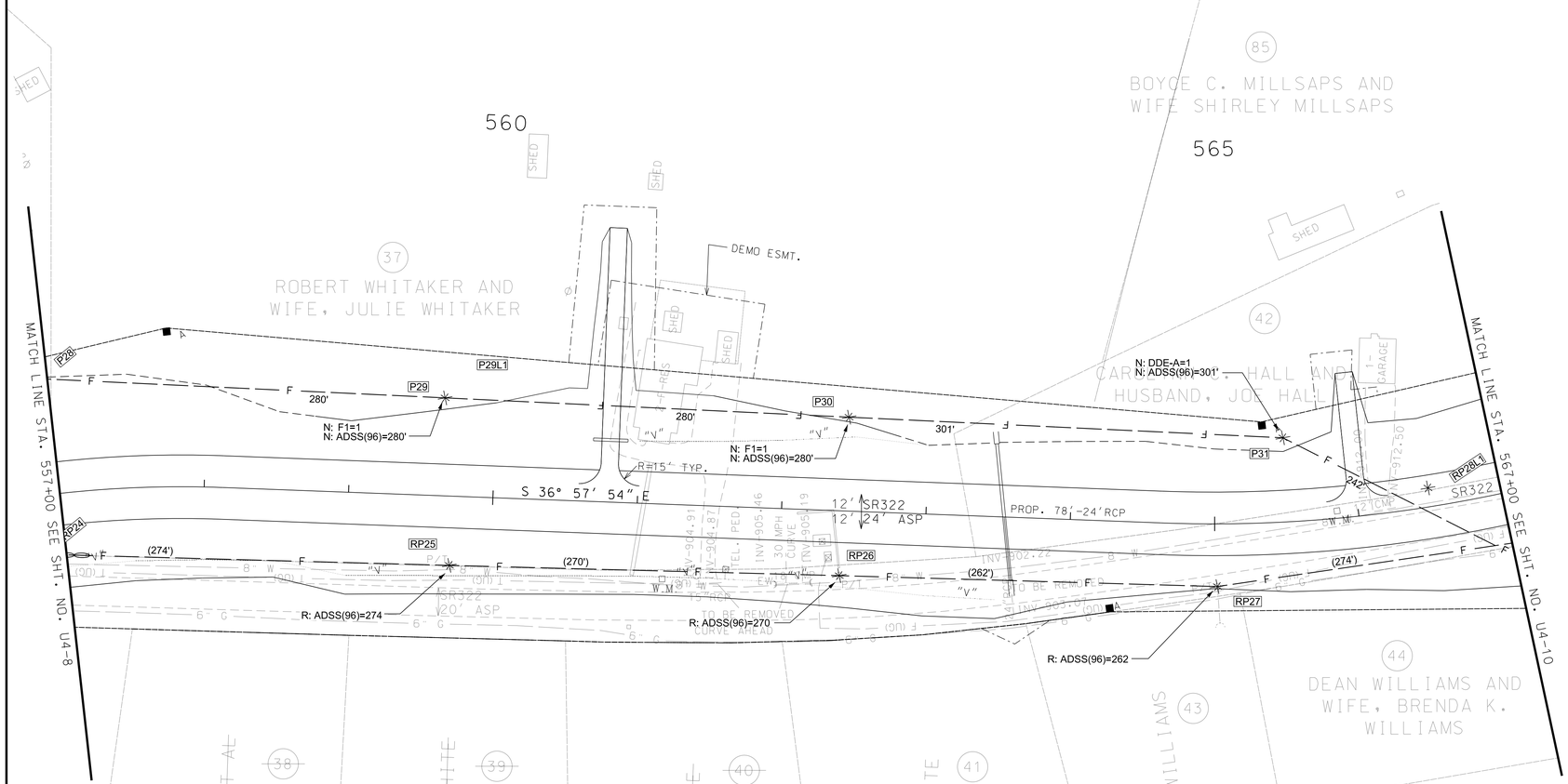
STA. 548+00 TO STA. 557+00

SCALE: 1"= 50'

1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-8.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-9

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

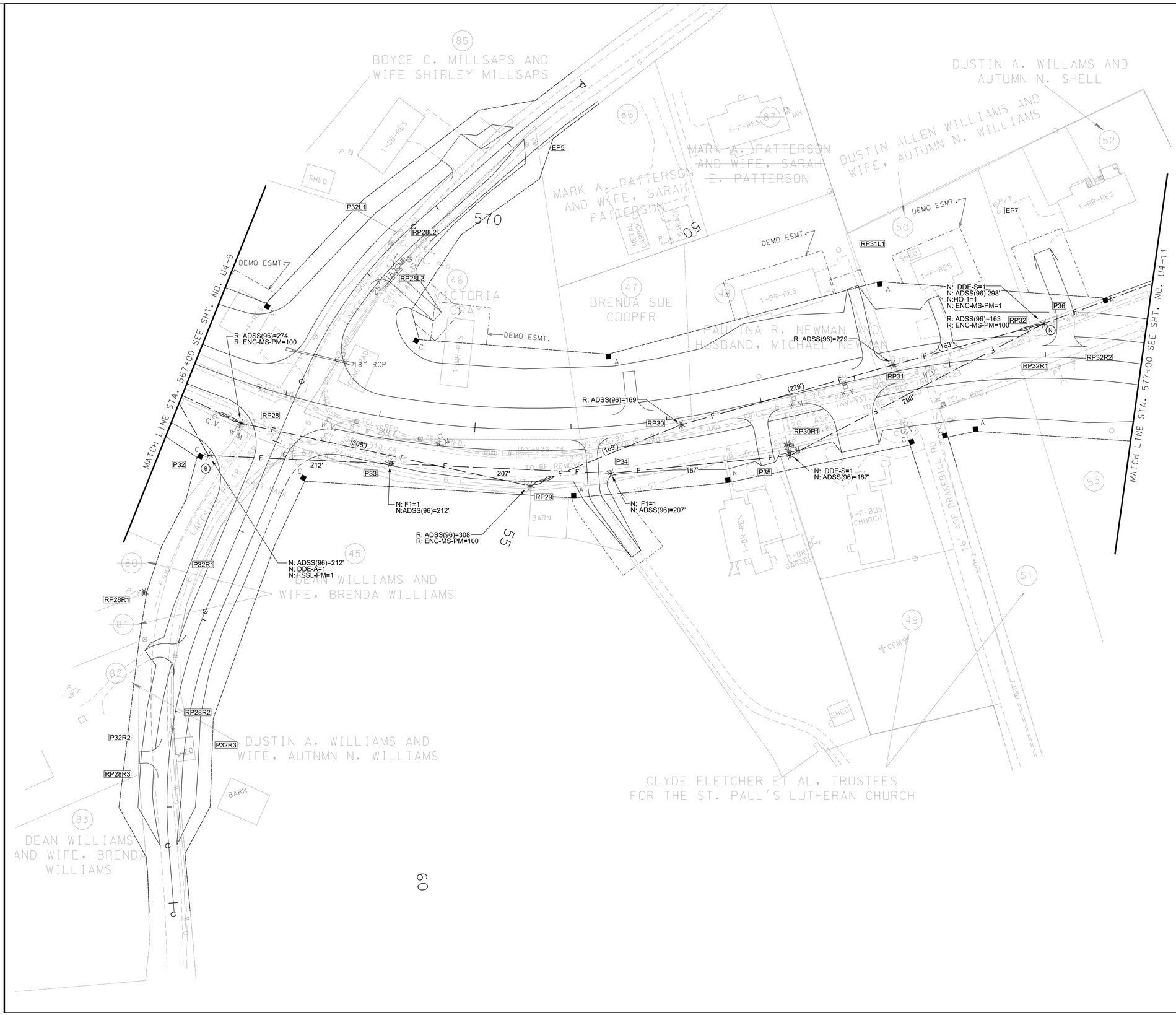
STA. 557+00 TO STA. 567+00

SCALE: 1"= 50'

1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-9.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-10

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-10.SHT

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1/16/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 567+00 TO STA. 577+00

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-11

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

NO UTILITY RELOCATIONS
THIS SHEET

54
BRENDA K. WILLIAMS AND
HUSBAND, DEAN WILLIAMS

55
DEAN WILLIAMS AND DUSTIN WILLIAMS

53
REV. NANCY ANDREWS ET AL,
TRUSTEES FOR THE
ST. PAUL'S LUTHERAN CHURCH

580

585

70

75

MATCH LINE STA. 577+00 SEE SHT. NO. U4-10

MATCH LINE STA. 590+00 SEE SHT. NO. U4-12

MATCH LINE STA. 64+00 SEE SHT. NO. U4-15

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 577+00 TO STA. 590+00

SCALE: 1"= 50'

1/16/2026
Z:\100819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB FiberU4-11.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-12

SHEPPARD ROAD TO SR-72 MONROE
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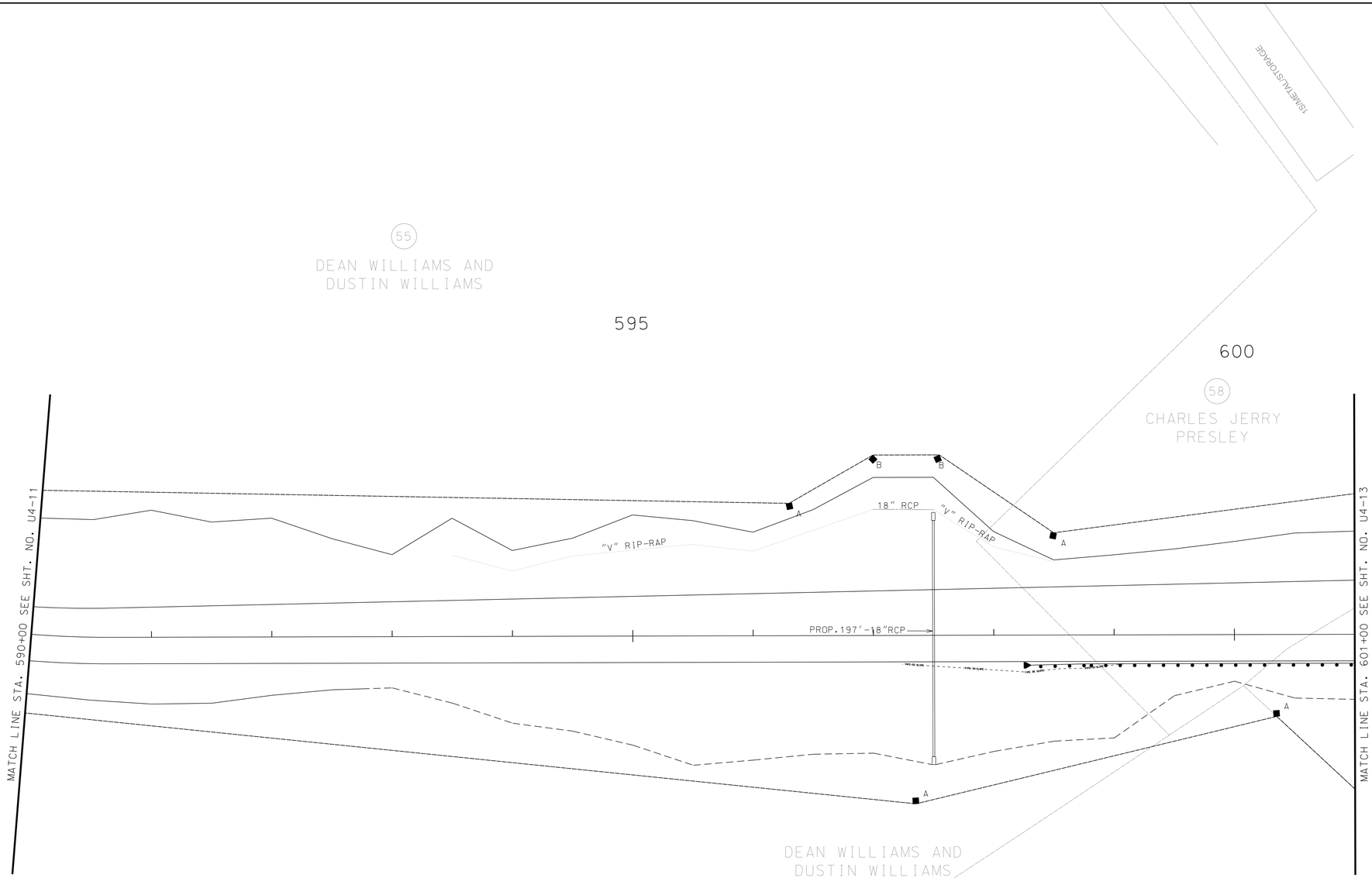
PIN # 102380.02



NO UTILITY RELOCATIONS
THIS SHEET

Loudon Utilities Board

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

SEALED BY

DERICK WILLIAMS
REGISTERED ENGINEER
Derick Williams
1/16/2026
No. 124959
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

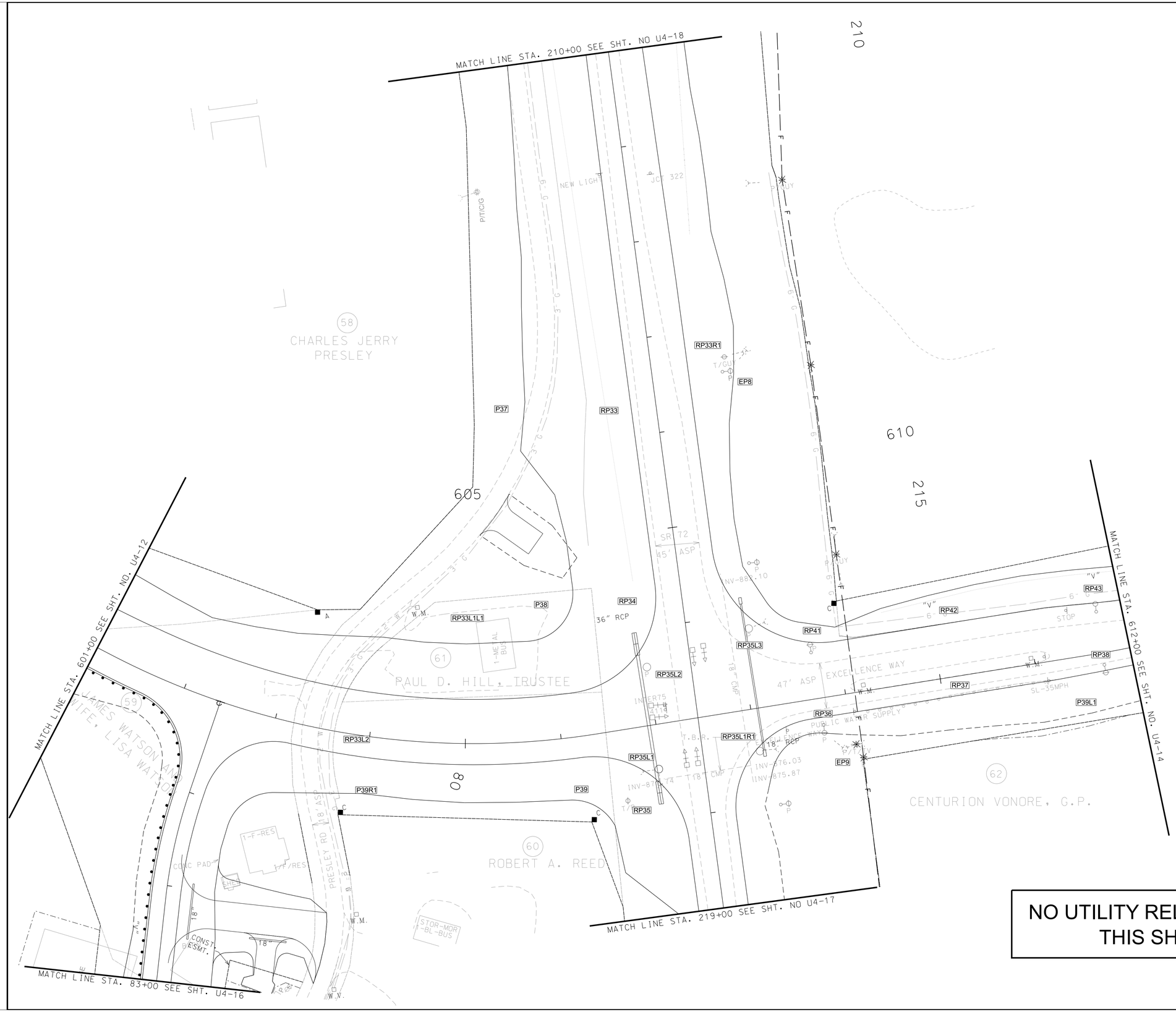
STA. 590+00 TO STA. 601+00

SCALE: 1"= 50'

1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-12.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-13

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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DERICK WILLIAMS
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COMMERCE
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STATE OF TENNESSEE
Derick Williams
1/16/2026

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

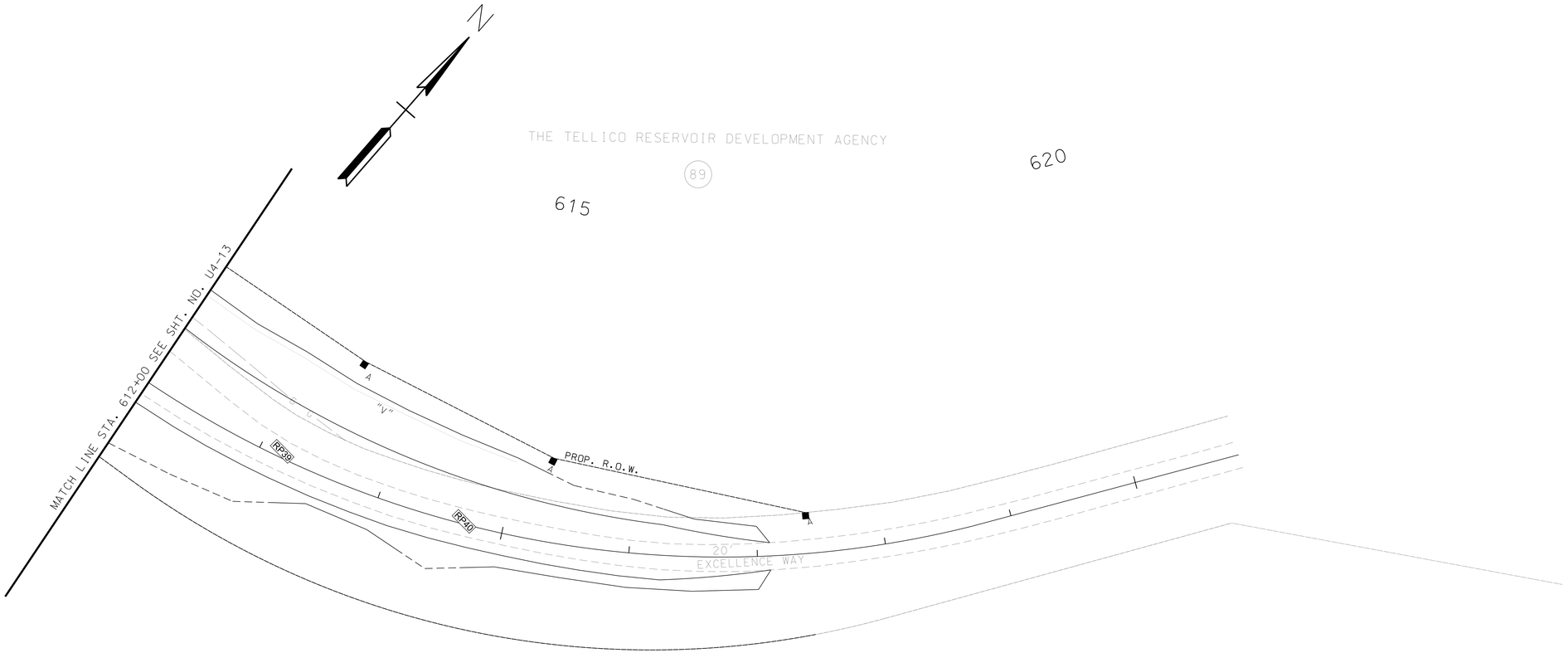
STA. 601+00 TO STA. 612+00

SCALE: 1"= 50'

1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-13.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-14

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



NO UTILITY RELOCATIONS THIS SHEET

Loudon Utilities Board

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SEALED BY

DERICK WILLIAMS
REGISTERED ENGINEER
Derick Williams
1/16/2026
No. 124959
STATE OF TENNESSEE

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 612+00 TO STA. 619+50

SCALE: 1"= 50'

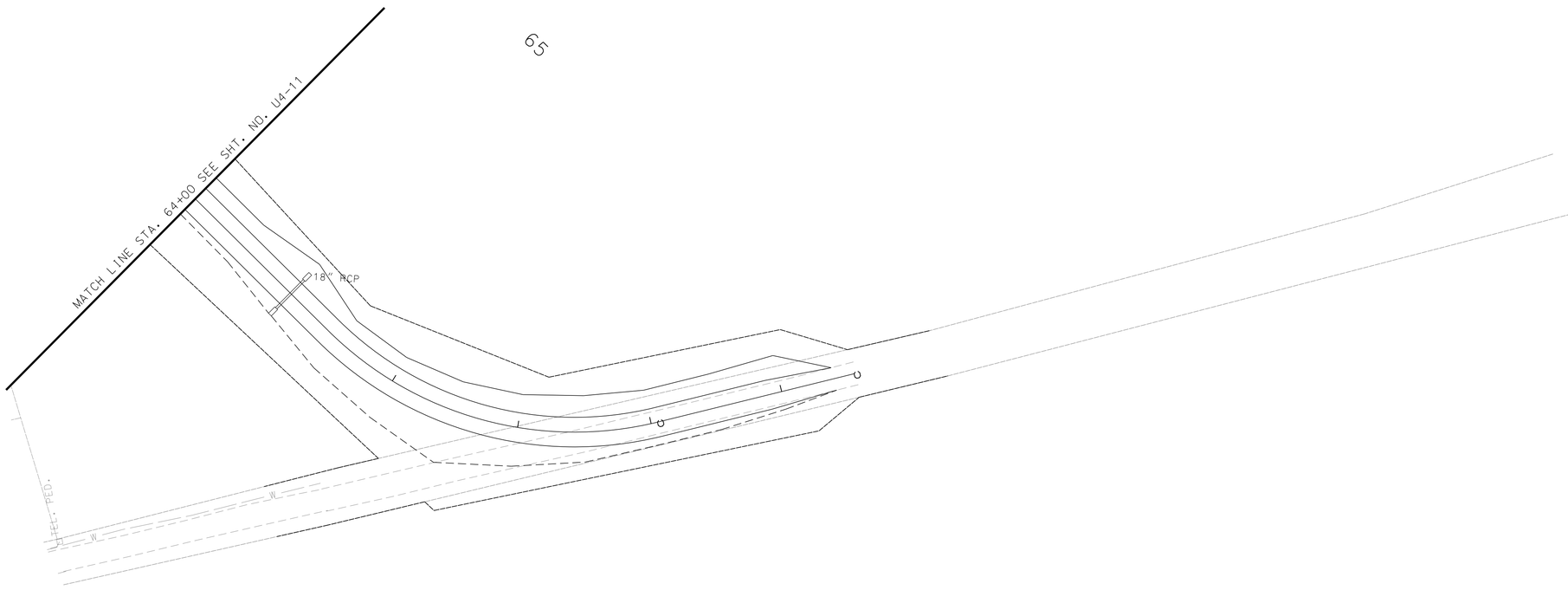
1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-14.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-15

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

55
DEAN WILLIAMS AND DUSTIN WILLIAMS

65



45
DEAN WILLIAMS AND
WIFE, BRENDA WILLIAMS

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THIS SHEET

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SEALED BY

DERICK WILLIAMS
REGISTERED ENGINEER
Derick Williams
1/16/2026
COMMERCE
No. 124988
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 64+00 TO STA. 69+40

SCALE: 1"= 50'

1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-15.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-16

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



NO UTILITY RELOCATIONS THIS SHEET

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SEALED BY

DERICK WILLIAMS
REGISTERED ENGINEER
Derick Williams
1/16/2026
No. 124691
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 83+00 TO STA. 89+75

SCALE: 1"= 50'

1/16/2026
Z:\100819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB FiberU4-16.SHT

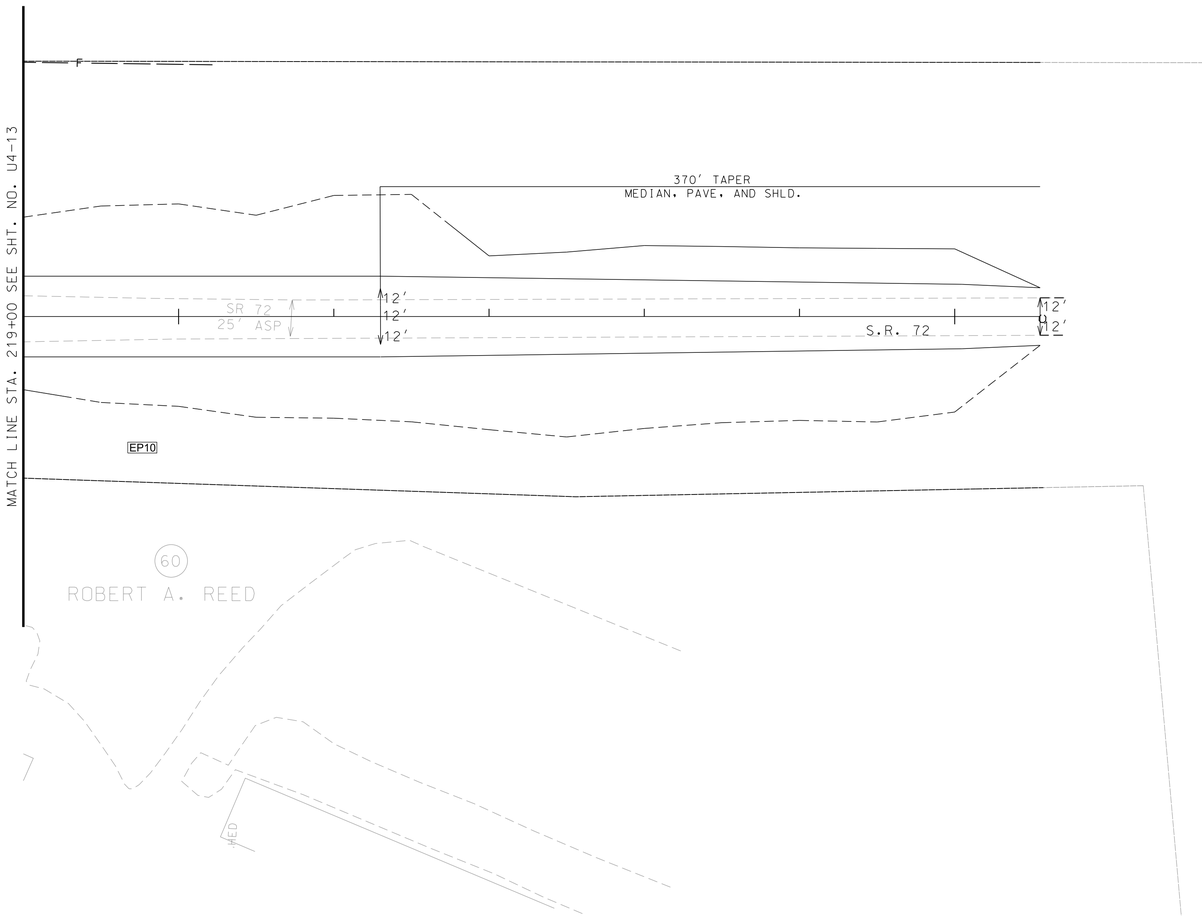
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-17

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

62
CENTURION VONORE, G.P.

220

225



NO UTILITY RELOCATIONS
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865.670.8555
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SEALED BY

DERICK WILLIAMS
REGISTERED ENGINEER
Derick Williams
1/16/2026
No. 124891
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

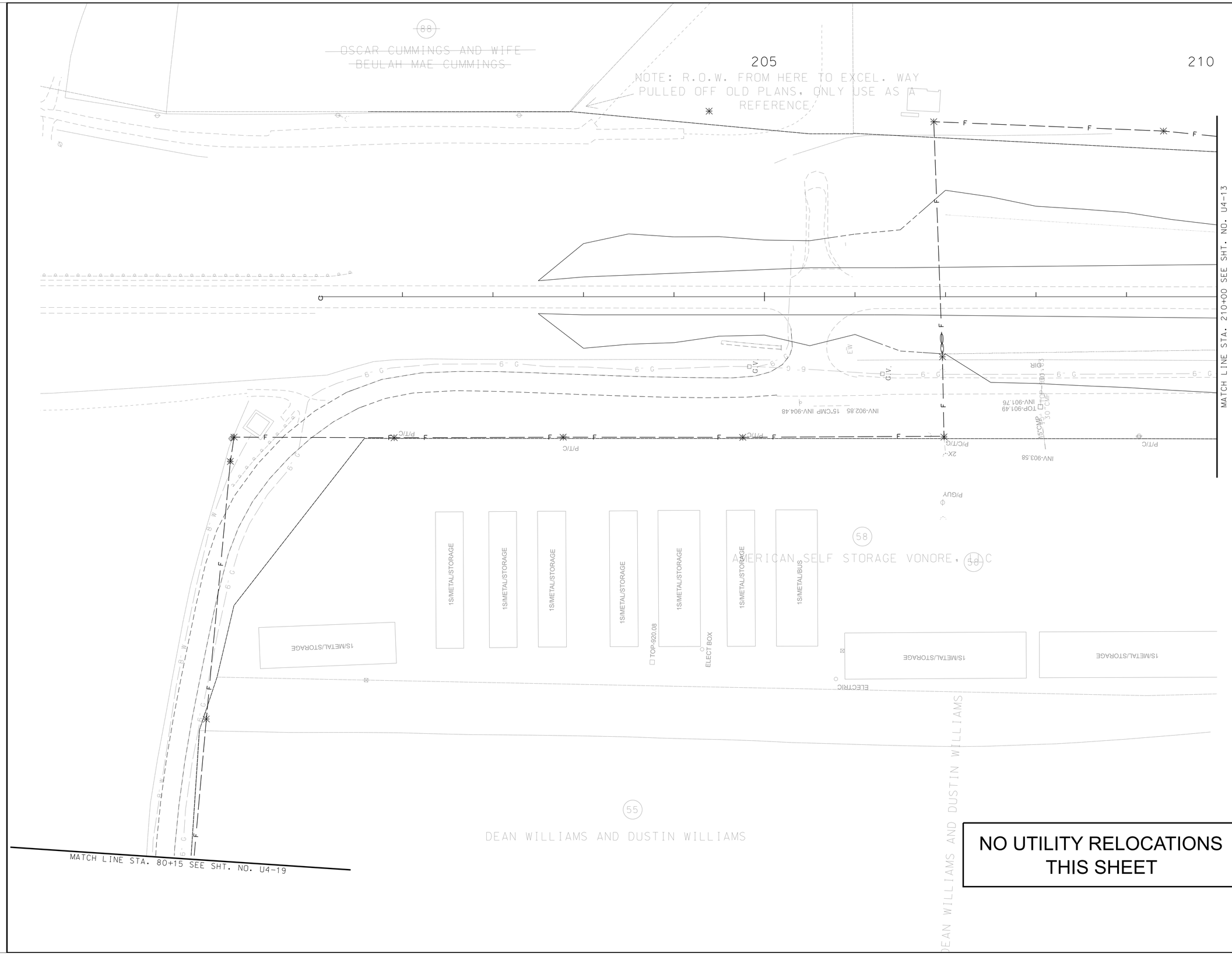
STA. 219+00 TO STA. 225+55

SCALE: 1"= 50'

1/16/2026
Z:\100819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB FiberU4-17.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-18

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



NO UTILITY RELOCATIONS THIS SHEET

Loudon Utilities Board

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10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
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DERICK WILLIAMS
REGISTERED ENGINEER
No. 124959
STATE OF TENNESSEE
1/16/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 202+50 TO STA. 210+00

SCALE: 1"= 50'

1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-18.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-19

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

54

BRENDA K. WILLIAMS AND HUSBAND, DEAN WILLIAMS

MATCH LINE STA. 70+45 SEE SHT. NO. U4-11

INV-902.51

INV-906.63

MATCH LINE STA. 80+15 SEE SHT. NO. U4-18

55

DEAN WILLIAMS AND DUSTIN WILLIAMS

NO UTILITY RELOCATIONS
THIS SHEET

Loudon Utilities Board

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

SEALED BY

DERICK WILLIAMS
REGISTERED ENGINEER
Derick Williams
1/16/2026
No. 124699
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 70+45 TO STA. 80+15

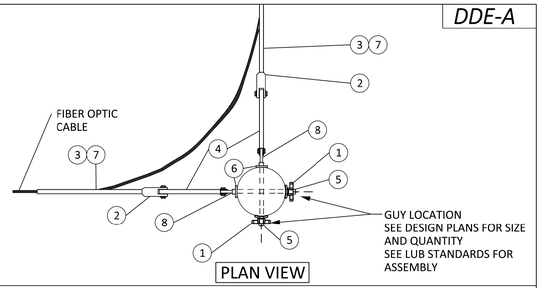
SCALE: 1"= 50'

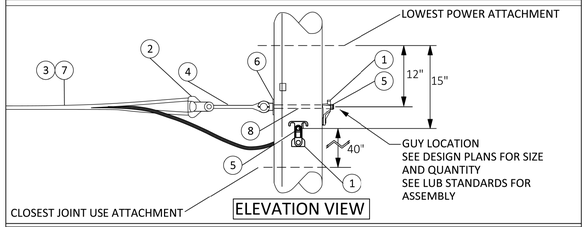
1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-19.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-20

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

DDE-A





MATERIAL LIST

	QTY.	NAME/DESCRIPTION	STOCK NO.
1	2	GUY HOOK (GOAT HEADS)	GH5
2	2	CLEVIS, THIMBLE	0000
3	2	DEAD END,PREFORMED FOR ADSS	VARIES
4	2	EXTENSION LINK	0000
5	2	5/8" SQUARE NUT	J8563
6	4	11/16" SQUARE WASHER	0000
7	2	STRUCTURAL REINFORCEMENT RODS	VARIES
8	2	5/8" EYE BOLT	0000

GENERAL NOTES

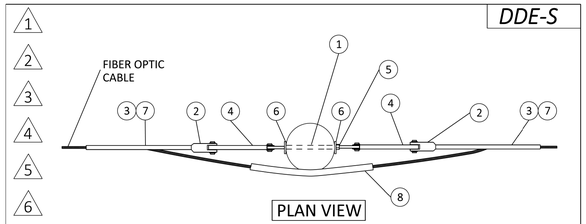
1. APPLICABLE FOR LOCATION ON 15KV POLES
2. ONLY QUALIFIED PERSONNEL SHALL PERFORM WORK IN THE POWER SUPPLY ZONE. SEE NESC FOR POWER SUPPLY ZONE DEFINITION.
3. GROUNDING IN COMPLIANCE WITH NESC/LUB STANDARDS
4. DO NOT EXCEED O.D. BEND RADIUS OF FIBER OPTIC CABLE
5. CORONA COILS TO BE USED WHERE INDICATED ON DESIGN
6. STAINLESS STEEL BANDS TO BE USED ON DUCTILE IRON, STEEL AND CONCRETE POLES
7. DESIGN DRAWINGS TAKE PRECEDENCE OVER STANDARD CONCERNING ATTACHMENT LOCATION ON THE POLE.

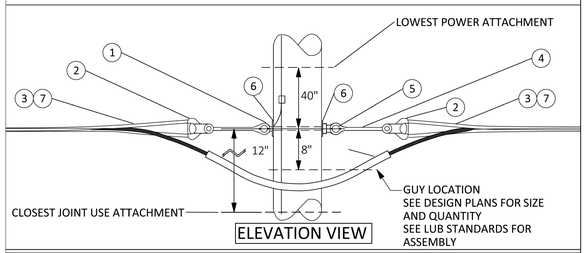
LOUDON UTILITIES BOARD
FRAMING SPECIFICATIONS

DRAWN BY: D.S.W
REV BY: K.C.B.
FILE: DDE-A.DGN
APPROVED:
REVISED: 12/01/2023
SHEET 1 OF 1
STD. NO: DDE-A

ADSS FIBER
ANGLED DOUBLE
DEAD-ENDS
21°-90°

DDE-S





MATERIAL LIST

	QTY.	NAME/DESCRIPTION	STOCK NO.
1	1	5/8" EYE BOLT, (SIZE AS REQ'D)	VARIES
2	2	CLEVIS, THIMBLE	0000
3	2	DEAD END,PREFORMED FOR ADSS	VARIES
4	2	EXTENSION LINK	0000
5	1	5/8" EYE NUT	0000
6	2	11/16" SQUARE WASHER	0000
7	2	STRUCTURAL REINFORCEMENT RODS	VARIES
8	1	ABRASION PROTECTION DEVICE	0000

GENERAL NOTES

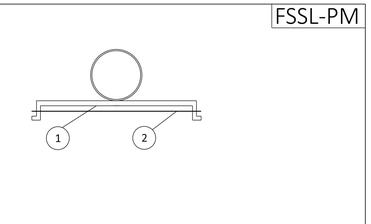
1. APPLICABLE FOR LOCATION ON 15KV POLES
2. ONLY QUALIFIED PERSONNEL SHALL PERFORM WORK IN THE POWER SUPPLY ZONE. SEE NESC FOR POWER SUPPLY ZONE DEFINITION.
3. GROUNDING IN COMPLIANCE WITH NESC/LUB STANDARDS
4. DO NOT EXCEED O.D. BEND RADIUS OF FIBER OPTIC CABLE
5. CORONA COILS TO BE USED WHERE INDICATED ON DESIGN
6. STAINLESS STEEL BANDS TO BE USED ON DUCTILE IRON, STEEL AND CONCRETE POLES
7. DESIGN DRAWINGS TAKE PRECEDENCE OVER STANDARD CONCERNING ATTACHMENT LOCATION ON THE POLE.

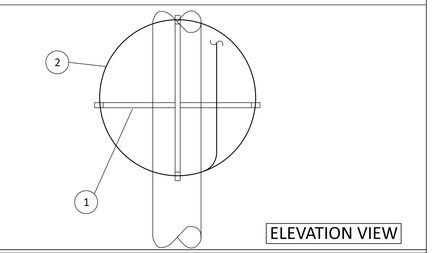
LOUDON UTILITIES BOARD
FRAMING SPECIFICATIONS

DRAWN BY: D.S.W
REV BY: K.C.B.
FILE: DDE-S.DGN
APPROVED:
REVISED: 12/01/2023
SHEET 1 OF 1
STD. NO: DDE-S

ADSS FIBER STRAIGHT
DOUBLE DEAD-ENDS
0°-20°

FSSL-PM





MATERIAL LIST

	QTY.	NAME/DESCRIPTION	STOCK NO.
1	1	POLE MOUNT FIBER SLACK STORAGE	
2	1	100' FIBER SLACK LOOP	

GENERAL NOTES

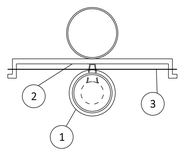
1. APPLICABLE FOR 15KV POWER SPACE OR LESS
2. ONLY QUALIFIED PERSONNEL SHALL PERFORM WORK IN THE POWER SUPPLY ZONE. SEE FIBER GENERAL NOTES (xxxxxxx) FOR POWER SUPPLY ZONE DEFINITION.
3. GROUNDING IN COMPLIANCE WITH NESC/MUS FIBER STANDARDS
4. DO NOT EXCEED O.D. BEND RADIUS OF FIBER OPTIC CABLE
5. CORONA COILS TO BE USED WHERE INDICATED ON DESIGN
6. ABRASION PROTECTION DEVICES TO BE USED WHERE DESIGN CALLS FOR THEM
7. DESIGN DRAWINGS TAKE PRECEDENCE OVER STANDARD CONCERNING ATTACHMENT LOCATION ON THE POLE.

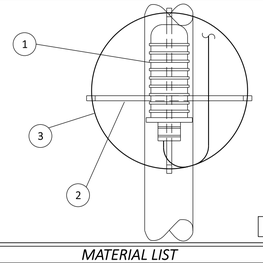
LOUDON UTILITIES BOARD
FRAMING SPECIFICATIONS

DRAWN BY: K.C.B.
REV BY:
FILE: FSSL-PM.DGN
APPROVED:
REVISED: XX/XX/XXXX
SHEET 1 OF 1
STD. NO: FSSL-PM

ENCLOSURE WITH
POLE MOUNT FIBER
SLACK STORAGE

ENC-MS-PM





MATERIAL LIST

	QTY.	NAME/DESCRIPTION	STOCK NO.
1	1	FIBER GEL ENCLOSURE	
2	1	POLE MOUNT FIBER SLACK STORAGE	
3	1	100' FIBER SLACK LOOP	

GENERAL NOTES

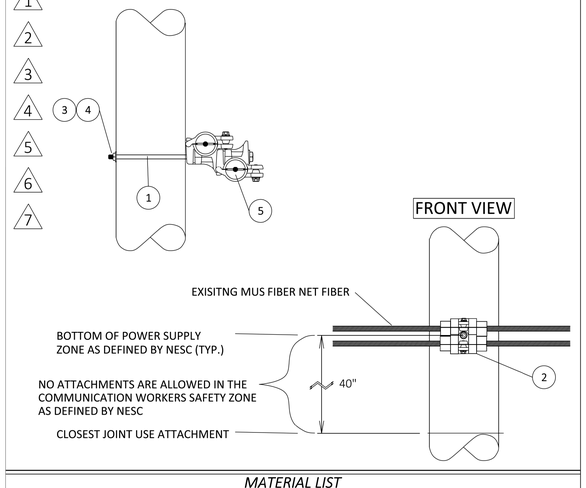
1. APPLICABLE FOR 15KV POWER SPACE OR LESS
2. ONLY QUALIFIED PERSONNEL SHALL PERFORM WORK IN THE POWER SUPPLY ZONE. SEE FIBER GENERAL NOTES (xxxxxxxx) FOR POWER SUPPLY ZONE DEFINITION.
3. GROUNDING IN COMPLIANCE WITH NESC/MUS FIBER STANDARDS
4. DO NOT EXCEED O.D. BEND RADIUS OF FIBER OPTIC CABLE
5. CORONA COILS TO BE USED WHERE INDICATED ON DESIGN
6. ABRASION PROTECTION DEVICES TO BE USED WHERE DESIGN CALLS FOR THEM
7. DESIGN DRAWINGS TAKE PRECEDENCE OVER STANDARD CONCERNING ATTACHMENT LOCATION ON THE POLE.

LOUDON UTILITIES BOARD
FRAMING SPECIFICATIONS

DRAWN BY: K.C.B.
REV BY:
FILE: ENC-MS-PM.DGN
APPROVED:
REVISED: XX/XX/XXXX
SHEET 1 OF 1
STD. NO: ENC-MS-PM

ENCLOSURE WITH
POLE MOUNT FIBER
SLACK STORAGE

F1-1



MATERIAL LIST

	QTY.	NAME/DESCRIPTION	STOCK NO.
1	1	5/8" MACHINE BOLT (SIZE AS REQ'D)	VARIES
2	1	FIBERLIGN SUPPORT	F1060
3	1	5/8" NUT	0936
4	1	SQUARE WASHER 11/16x2"	F0412
5	2	CUSHION INSERT HALF, (2) PER O.D.	VARIES
6			
7			
8			

GENERAL NOTES

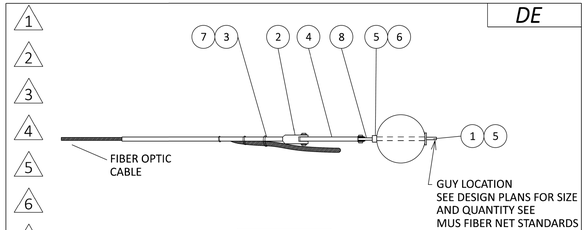
1. APPLICABLE FOR 15KV POWER SPACE OR LESS
2. ONLY QUALIFIED PERSONNEL SHALL PERFORM WORK IN THE POWER SUPPLY ZONE. SEE FIBER GENERAL NOTES (xxxxxxxx) FOR POWER SUPPLY ZONE DEFINITION.
3. GROUNDING IN COMPLIANCE WITH NESC/MUS FIBER NET STANDARDS
4. DO NOT EXCEED O.D. BEND RADIUS OF FIBER OPTIC CABLE
5. SEE MANUFACTURER'S SPEC FOR CUSHION INSERT SIZING AND PROPER INSTALLATION
6. SEE MANUFACTURER'S SPEC FOR ALUMINUM SUPPORT INSTALLATION AND USE.
7. DESIGN DRAWINGS TAKE PRECEDENCE OVER STANDARD CONCERNING ATTACHMENT LOCATION ON THE POLE.

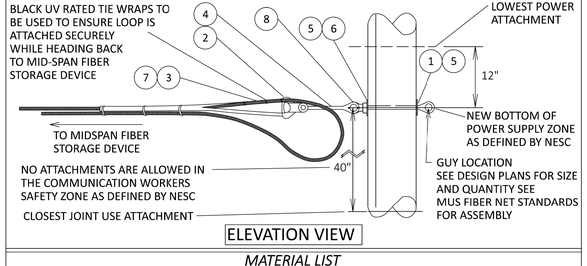
LOUDON UTILITIES BOARD
FRAMING SPECIFICATIONS

DRAWN BY: D.S.W
REV BY:
FILE: F1-1.DGN
APPROVED:
REVISED: XX/XX/XXXX
SHEET 1 OF 1
STD. NO: F1-1

ADSS FIBER ALUMINUM
SUPPORT 0-10°
ADD TO EXISTING

DE





MATERIAL LIST

	QTY.	NAME/DESCRIPTION	STOCK NO.
1	1	5/8" EYE BOLT, (SIZE AS REQ'D)	VARIES
2	1	CLEVIS, THIMBLE	0000
3	1	FIBER DEAD END	F1070
4	1	EXTENSION LINK	0000
5	2	SQUARE WASHER 11/16x2"	F0412
6	1	5/8" NUT	0936
7	1	STRUCTURAL REINFORCEMENT RODS	VARIES
8	1	EYENUT 5/8"	F0410

GENERAL NOTES

1. APPLICABLE FOR 15KV POWER SPACE OR LESS
2. ONLY QUALIFIED PERSONNEL SHALL PERFORM WORK IN THE POWER SUPPLY ZONE. SEE FIBER GENERAL NOTES (xxxxxxxx) FOR POWER SUPPLY ZONE DEFINITION.
3. GROUNDING IN COMPLIANCE WITH NESC/MUS FIBER NET STANDARDS
4. DO NOT EXCEED O.D. BEND RADIUS OF FIBER OPTIC CABLE
5. CORONA COILS TO BE USED WHERE INDICATED ON DESIGN
6. ABRASION PROTECTION DEVICES TO BE USED WHERE DESIGN CALLS FOR THEM
7. DESIGN DRAWINGS TAKE PRECEDENCE OVER STANDARD CONCERNING ATTACHMENT LOCATION ON THE POLE.

LOUDON UTILITIES BOARD
FRAMING SPECIFICATIONS

DRAWN BY: D.S.W
REV BY:
FILE: DE.DGN
APPROVED:
REVISED: XX/XX/XXXX
SHEET 1 OF 1
STD. NO: DE

ADSS FIBER
DEAD-END

Loudon Utilities Board

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
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www.cci-corp.com

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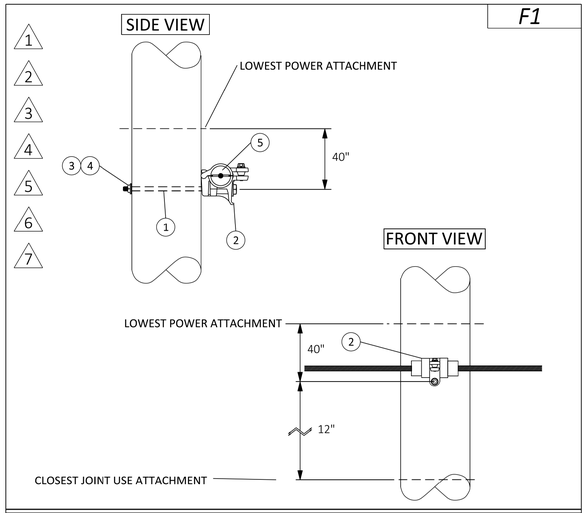
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: NONE

1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-20.dgn

F1



MATERIAL LIST

	QTY.	NAME/DESCRIPTION	STOCK NO.		QTY.	NAME/DESCRIPTION	STOCK NO.
1	1	5/8" MACHINE BOLT (SIZE AS REQ'D)	VARIES				
2	1	FIBERLIGN DIELECTRIC SUPPORT	0000				
3	1	5/8" SQUARE NUT	J8563				
4	1	11/16" SQUARE WASHER	0000				
5	2	CUSHION INSERT HALF, (2) PER O.D.	VARIES				
6							
7							
8							

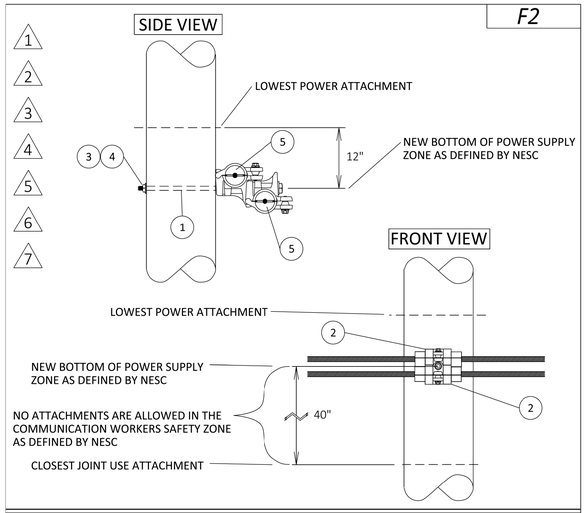
GENERAL NOTES

1. APPLICABLE FOR LOCATION ON 15KV POLES
2. ONLY QUALIFIED PERSONNEL SHALL PERFORM WORK IN THE POWER SUPPLY ZONE. SEE NESC FOR POWER SUPPLY ZONE DEFINITION.
3. GROUNDING IN COMPLIANCE WITH NESC/LUB STANDARDS
4. DO NOT EXCEED O.D. BEND RADIUS OF FIBER OPTIC CABLE
5. CORONA COILS TO BE USED WHERE INDICATED ON DESIGN
6. STAINLESS STEEL BANDS TO BE USED ON DUCTILE IRON, STEEL AND CONCRETE POLES
7. DESIGN DRAWINGS TAKE PRECEDENCE OVER STANDARD CONCERNING ATTACHMENT LOCATION ON THE POLE.

LOUDON UTILITIES BOARD
FRAMING SPECIFICATIONS

DRAWN BY: D.S.W	ADSS FIBER ALUMINUM SUPPORT 0-20°
REV BY: K.C.B.	
FILE: F1.DGN	
APPROVED:	REVISED: 12/01/2023
SHEET 1 OF 1	STD. NO: F1

F2



MATERIAL LIST

	QTY.	NAME/DESCRIPTION	STOCK NO.		QTY.	NAME/DESCRIPTION	STOCK NO.
1	1	5/8" MACHINE BOLT (SIZE AS REQ'D)	VARIES				
2	2	FIBERLIGN SUPPORT	F1060				
3	1	5/8" NUT	0936				
4	1	SQUARE WASHER 11/16x2"	F0412				
5	4	CUSHION INSERT HALF, (2) PER O.D.	VARIES				
6							
7							
8							

GENERAL NOTES

1. APPLICABLE FOR 15KV POWER SPACE OR LESS
2. ONLY QUALIFIED PERSONNEL SHALL PERFORM WORK IN THE POWER SUPPLY ZONE. SEE FIBER GENERAL NOTES (xxxxxxxx) FOR POWER SUPPLY ZONE DEFINITION.
3. GROUNDING IN COMPLIANCE WITH NESC/MUS FIBER NET STANDARDS
4. DO NOT EXCEED O.D. BEND RADIUS OF FIBER OPTIC CABLE
5. SEE MANUFACTURER'S SPEC FOR CUSHION INSERT SIZING AND PROPER INSTALLATION
6. SEE MANUFACTURER'S SPEC FOR ALUMINUM SUPPORT INSTALLATION AND USE.
7. DESIGN DRAWINGS TAKE PRECEDENCE OVER STANDARD CONCERNING ATTACHMENT LOCATION ON THE POLE.

LOUDON UTILITIES BOARD
FRAMING SPECIFICATIONS

DRAWN BY: D.S.W	ADSS FIBER DOUBLE ALUMINUM SUPPORT 0-10°
REV BY:	
FILE: F2.DGN	
APPROVED:	REVISED: XX/XX/XXXX
SHEET 1 OF 1	STD. NO: F2

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U4-21

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

Loudon Utilities Board

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

SEALED BY

DERICK WILLIAMS REGISTERED ENGINEER 124699 STATE OF TENNESSEE
Derick Williams
1/16/2026

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: NONE

1/16/2026
Z:\00819-0004\03-Drawings\03-Utilities\Design\Sheets\LUB Fiber\U4-21.dgn

CTI PROJECT: K19008-06 (Loudon Utilities Board) TDOT SR-322 Gas Relocation, DRAWING: U5-1 (834040v15/1/16/25 9:28AM), LAYOUT: COVER SHEET

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-1
		R-STP-322(15)	

INDEX OF DRAWINGS

SHT. NUMBER	SHT. NAME
U5-1	ESTIMATED QUANTITIES & GENERAL NOTES
U5-2	GAS LINE RELOCATIONS STA. 500+41.07 TO STA. 509+00
U5-3	GAS LINE RELOCATIONS STA. 509+00 TO STA. 522+00
U5-4	GAS LINE RELOCATIONS STA. 509+00 TO STA. 522+00
U5-5	GAS LINE RELOCATIONS STA. 522+00 TO STA. 535+00
U5-6	GAS LINE RELOCATIONS STA. 522+00 TO STA. 535+00
U5-7	GAS LINE RELOCATIONS STA. 535+00 TO STA. 548+00
U5-8	GAS LINE RELOCATIONS STA. 535+00 TO STA. 548+00
U5-9	GAS LINE RELOCATIONS STA. 548+00 TO STA. 557+00
U5-10	GAS LINE RELOCATIONS STA. 557+00 TO STA. 567+00
U5-11	GAS LINE RELOCATIONS STA. 567+00 TO STA. 577+00
U5-12	GAS LINE RELOCATIONS STA. 567+00 TO STA. 577+00
U5-13	GAS LINE RELOCATIONS STA. 577+00 TO STA. 590+00
U5-14	GAS LINE RELOCATIONS STA. 601+00 TO STA. 612+00
U5-15	GAS LINE RELOCATIONS STA. 601+00 TO STA. 612+00
U5-16	GAS LINE RELOCATIONS STA. 612+00 TO STA. 619+50
U5-17	GAS LINE RELOCATIONS STA. 83+00 TO STA. 89+75
U5-18	GAS LINE RELOCATIONS STA. 202+00 TO STA. 210+00
U5-19	STANDARD GAS DETAILS

ESTIMATED UTILITY QUANTITIES

PROJECT NO.: 53004-3248-04

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	% Utility Betterment	% Project Public	% Project Private	Amount Betterment	Footnotes*
791-02.02	2IN MDPE GAS MAIN	LF	1,178	0%	100%	0%	$0.00	1
791-02.04	4IN MDPE GAS MAIN	LF	3,117	0%	100%	0%	$0.00	1
791-02.05	6IN MDPE GAS MAIN	LF	10,253	0%	100%	0%	$0.00	1
791-05.01	BORE/JACK 4IN - STEEL CASING PIPE - UNCON.	LF	186	0%	100%	0%	$0.00	3
791-05.17	BORE/JACK 4IN - STEEL CASING PIPE - ROCK	LF	186	0%	100%	0%	$0.00	3
791-05.03	BORE/JACK 8IN - STEEL CASING PIPE - UNCON.	LF	13	0%	100%	0%	$0.00	3
791-05.19	BORE/JACK 8IN - STEEL CASING PIPE - ROCK	LF	13	0%	100%	0%	$0.00	3
791-05.04	BORE/JACK 12IN - STEEL CASING PIPE - UNCON.	LF	173	0%	100%	0%	$0.00	3
791-05.21	BORE/JACK 12IN - STEEL CASING PIPE - ROCK	LF	173	0%	100%	0%	$0.00	3
791-06.02	CONNECT TO 2IN EX. PE MAIN	EACH	2	0%	100%	0%	$0.00	4
791-06.03	CONNECT TO 4IN EX. PE MAIN	EACH	3	0%	100%	0%	$0.00	4
791-06.04	CONNECT TO 6IN EX. PE MAIN	EACH	8	0%	100%	0%	$0.00	4
791-07.01	2IN PE GAS VALVE ASSEMBLY	EACH	2	0%	100%	0%	$0.00	5
791-07.02	4IN PE GAS VALVE ASSEMBLY	EACH	5	0%	100%	0%	$0.00	5
791-07.03	6IN PE GAS VALVE ASSEMBLY	EACH	4	0%	100%	0%	$0.00	5
791-08.02	3/4IN SERVICE ASSEMBLY	EACH	9	0%	100%	0%	$0.00	6
791-08.07	3/4IN PE SERVICE PIPE	LF	450	0%	100%	0%	$0.00	6
791-08.41	GAS MAIN REMOVAL	LF	11,553	0%	100%	0%	$0.00	8
791-10.01	RETIRE IN PLACE 3/4IN SERV CUT & PLUG	EACH	9	0%	100%	0%	$0.00	9
791-10.04	RETIRE IN PLACE 2IN SERV CUT & PLUG	EACH	3	0%	100%	0%	$0.00	9
791-10.05	RETIRE IN PLACE 4IN SERV CUT & PLUG	EACH	3	0%	100%	0%	$0.00	9
791-10.06	RETIRE IN PLACE 6IN SERV CUT & PLUG	EACH	8	0%	100%	0%	$0.00	9
791-10.20	RETIRE GAS MAIN	LF	1,542	0%	100%	0%	$0.00	9

***FOOTNOTES (PER TDOT ITEM DESCRIPTIONS):**

1. INCLUDES ALL MATERIALS INCLUDING SAND/STONE BEDDING, FLOWABLE FILL, TEMPORARY PAVEMENT IN OR OUT OF ROW, LABOR, EQUIPMENT FOR COMPLETE INSTALLATION OF PIPE INCLUDING BUT NOT LIMITED TO TRAFFIC CONTROL, EXCAVATION INCLUDING DIRT/ROCK, BACKFILLING, CREEK CROSSINGS PER SWPPP, COUPLINGS, FITTINGS, PIPE FUSION, APPURTENANCES, MAINTAINING THE TRENCH, PURGE POINT INSTALLATION, TESTING BY UTILITY SPECIFICATIONS TO INCLUDE BUT NOT LIMITED TO AIR, NITROGEN, HYDROSTATIC OR X-RAY, DEW POINT OR DRYING, PIGGING, AND ANY OTHER LABOR OR MATERIAL REQUIRED TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS.
2. INCLUDES ALL MATERIALS, LABOR, EQUIPMENT, AND TRAFFIC CONTROL, INCLUDING BUT NOT LIMITED TO FLUID CONTAINMENT FOR COMPLETE HORIZONTAL DIRECTIONAL DRILLING INSTALLATION OF UNCASED CARRIER PIPE IN BOTH UNCONSOLIDATED SOIL OR ROCK. STEEL PIPE INCLUDES SPECIAL COATING AS SPECIFIED (NOT USED ABOVE).
3. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT, NECESSARY FOR BORE & JACK OF GAS LINE CASING PIPE INCLUDING BUT NOT LIMITED TO ENTRY AND EXIT PITS, B&J EQUIPMENT AND TRAFFIC CONTROL. CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM PRICE.
4. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT, NECESSARY FOR CONNECTING TO EXISTING GAS LINE INCLUDING TRAFFIC CONTROL.
5. INCLUDES TRANSITION FITTINGS, VALVES, VALVE BOX, BOX ADJUSTMENT, VALVE BOX COLLAR, VALVE MARKER, EXCAVATION, BEDDING, BACKFILL, COUPLINGS, FUSION TEES, TAP OF EXISTING LINE, AND ALL OTHER NECESSARY MATERIALS AND LABOR FOR COMPLETE INSTALLATION OF ASSEMBLY INCLUDING TRAFFIC CONTROL.
6. INCLUDES ALL MATERIALS, PARTS, LABOR, EQUIPMENT, MACHINERY, TOOLS, OR APPARATUS NECESSARY FOR INSTALLATION OF GAS SERVICE ASSEMBLIES AS DESCRIBED IN THE PLANS AND SPECS. INSTALLATION FOR LONG SIDE AND SHORT SIDE APPLICATIONS. SERVICE PIPE SHALL BE PAID PER LINEAR FOOT INSTALLED.
7. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR COMPLETE INSTALLATION OF INDIVIDUAL ITEM AS SPECIFIED ON BID FORM AND UTILITY SPECIFICATIONS (NOT USED ABOVE).
8. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR REMOVAL OF ITEM.
9. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR RETIREMENT OF ITEM INCLUDING STABILIZING THE ITEM OF PLANT PER UTILITY SPECIFICATIONS.

UTILITY INFORMATION

LOUDON UTILITIES BOARD

P.O. BOX 69

LOUDON, TN 37774

JOHN DAVIS (865) 458-2091

GENERAL NOTES TO CONTRACTOR:

(1) EXCEPT FOR EROSION AND SEDIMENT CONTROL ITEMS, NO ROADWAY ITEMS SHALL BE UTILIZED TO COMPENSATE FOR WORK METHODS OR MATERIALS ASSOCIATED WITH AND/OR SPECIFIED FOR THE UTILITY INSTALLATION, EVEN THOUGH THE SAME OR SIMILAR ROADWAY MATERIALS MAY HAVE BEEN CALLED FOR IN THE UTILITY SPECIFICATIONS OR DRAWINGS.

(2) ALL MATERIALS, METHODS, AND/OR INTEGRAL MATERIALS OUTLINED IN THE UTILITY SPECIFICATIONS OR DRAWINGS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION MUST BE INCLUDED IN THE UNIT PRICE FOR THE ASSOCIATED UTILITY WORK ITEM.

(3) THE CONTRACTOR MUST MAINTAIN ALL SERVICES DURING THE CONSTRUCTION OF THE RELOCATED FACILITY. ANY COSTS ASSOCIATED WITH INSTALLATION OF REQUIRED TEMPORARY SERVICE LINES DUE TO THE ROADWAY CONSTRUCTION SEQUENCE OF WORK (I.E., CUTS, FILLS, PHASING, ETC.) SHALL BE INCLUDED IN THE COST OF THE PERMANENT UTILITY ITEMS EXCEPT WHERE TEMPORARY FACILITIES ARE INDICATED ON THE DRAWINGS.

(4) IT SHALL BE THE RESPONSIBILITY OF THE PRIME CONTRACTOR'S SURVEYOR TO LAY OUT ALL THE FACILITIES BEING RELOCATED WITHIN THE CONTRACT.

(5) FOR BURIED UTILITIES, THE PRIME CONTRACTOR OR HIS SUBCONTRACTOR SHALL BE REQUIRED TO PROVIDE TO THE UTILITY UPON COMPLETION OF THE UTILITY'S RELOCATION WORK A SET OF AS-BUILT DRAWINGS FOR THEIR RECORDS. THESE AS-BUILT DRAWINGS SHOULD BE PREPARED AS THE JOB PROGRESSES TO ENSURE THEIR ACCURACY.

(6) WHERE EROSION CONTROL MEASURES ARE NEEDED FOR THE UTILITY RELOCATION WORK OCCURRING INSIDE OR OUTSIDE STATE RIGHT-OFWAY, THE CONTRACTOR SHALL SUBMIT TO THE TDOT PROJECT SUPERVISOR FOR APPROVAL A PROPOSED EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING THE WORK. TDOT APROVAL MUST BE RECEIVED BEFORE THE EROSION CONTROL PAY ITEMS FOR ROADWAY CONSTRUCTION CAN BE USED FOR ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED FOR THE UTILITY RELOCATION WORK.

(7) DRIVEWAY, SIDEWALK AND ROADWAY TEMPORARY RESTORATION SHALL BE PART OF THE IN-PLACE COST OF PLACING THE UTILITY ITEM WITHIN THE ROW.

(8) ALL STREAM CROSSINGS SHALL BE BY HORIZONTAL DIRECTIONAL DRILLING (HDD). ALTERNATIVELY, AND IF THE CONTRACTOR FINDS THAT THIS CANNOT BE ACCOMPLISHED, ANY OPEN CUT EXCAVATION OF THE STREAM CHANNEL AREA SHALL BE SEPARATED FROM FLOWING WATER AND ACCOMPLISHED DURING LOW FLOW CONDITIONS. THIS SHALL BE ACCOMPLISHED BY THE USE OF FLUMES, LINED DIVERSION CHANNEL WITH SANDBAG BERM, DIVERSION PIPE WITH SANDBAG DAM AT PIPE INLET, OR IN SOME CASES COFFERDAMS. ANY STREAM CROSSINGS BY OPEN CUT SHALL BE PAID AT THE OPEN CUT ITEM PRICE.

(9) EXISTING PIPING SHALL BE REMOVED FROM ROADWAY CUT AREAS BY PRIME CONTRACTOR. NO PAY ITEM FOR "GAS MAIN REMOVAL". ALSO, NO PAY ITEM FOR "RETIRE GAS MAIN" SINCE "SERVICE CUTS AND PLUGS" ARE ITEMIZED.

(10) REPAIRS AND/OR REPLACEMENTS TO ANY UTILITIES DAMAGED BY CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. NO ADDITIONAL PAYMENT WILL BE ALLOWED.

(11) CONTRACTOR SHALL NOTIFY UTILITY TWO WEEKS IN ADVANCE PRIOR TO STAKING OF PROPOSED UTILITY LOCATIONS.

(12) THE BOTTOM OF THE TRENCH SHOULD BE RELATIVELY SMOOTH, UNDISTURBED EARTH. IT SHOULD BE WELL TAMPED, OR IT CAN BE SAND. BACKFILL AND COMPACT IN 12-INCH LAYERS. MACHINE COMPACTIONS SHOULD NOT BE USED WITHIN 12 INCHES OF THE PIPING. THE FILL SHOULD BE FREE OF ROCKS, PAVEMENT, AND FROZEN MATERIAL THAT MIGHT DAMAGE PIPING. THE PIPING SHALL BE LAID ALWAYS OBSERVING THE TENSION AND BENDING LIMITATIONS OF THE PIPE PRESCRIBED BY THE MANUFACTURER.

(13) GAS MAIN SHALL BE MDPE OR APPROVED EQUAL.

(14) VALVES SHALL BE FIELD LOCATED BY THE RESIDENT PROJECT REPRESENTATIVE AT THE APPROXIMATE LOCATIONS SHOWN ON THE DRAWINGS.

(15) CONTRACTOR SHALL MEET ALL NECESSARY REQUIREMENTS OF 49 CFR 192, SUBPARTS E AND N RELATED TO NATURAL GAS WORK INCLUDING DRUG AND ALCOHOL TESTING, OPERATION QUALIFICATION, WELDER CERTIFICATION, ETC. SUBMIT WELDER QUALIFICTION STATEMENTS, CERTIFICATES, AND OTHER INFORMATION TO OWNER AS REQUIRED BY UTILITIES TECHNICAL SPECIFICATIONS BEFORE STARTING WORK.

(16) WHERE THE CONTRACTOR ELECTS TO INSTALL PARTICULAR LINE SEGMENTS BY OTHER THAN OPEN-CUT METHOD, SUBMIT METHOD OF INSTALLATION TO ENGINEER FOR APPROVAL. HOWEVER, ANY INSTALLATION OTHER THAN BY OPEN-CUT AS APPROVED BY THE ENGINEER SHALL BE AT THE OPEN-CUT BID PRICE.

(17) THE EXISTING UTILITIES SHOWN AND INDICATED ON THE DRAWINGS ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UNDERGROUND UTILITIES, ALL COSTS ASSOCIATED WITH POTHOLING WILL BE INCLUDED IN OTHER ITEMS OF WORK AND NO ADDITIONAL COMPENSATION WILL BE MADE THEREFORE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DISRUPTION OF UTILITY SERVICE DURING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES IN THE PROJECT AREA PRIOR TO BEGINNING OF CONSTRUCTION.

LEGEND

— — G — — —	EXISTING GAS LINE
——— G ———	PROPOSED GAS LINE
■ G.V.	GAS VALVE ASSEMBLY

SEALED BY



COORDINATES ARE NAD83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH THE GEOID.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

CTIENGINEERS
112 Durwood Road, Suite A
Knoxville, TN 37922
Phone: 865.246.2750

GAS LINE RELOCATIONS

ESTIMATED QUANTITIES AND GENERAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-2
		R-STP-322(15)	

62016-2206-14
BEGIN PROJECT STP-322(15)
STA. 500+41.07 (R.O.W.)
N 471725.8505 E 2473024.3864

62016-3206-14
BEGIN PROJECT STP-322(15)
STA. 501+25.00/(CONST.)
N 471642.0100 E 2473028.2608

③ SAMUEL SELF AND WIFE, EVELYN SELF

① GEORGE H. DUVALL

② KADEN MCKEWON ET AL

500

505

STR-1, PER

STR-2, PER

CD100

CONNECT TO EXISTING ¾" GAS PE (STA 0+65)

LINE B-B (SEE PROFILE THIS SHEET)

EXISTING ¾" GAS PE (TO REMAIN)

PROPOSED ¾" PE SERVICE LINE

EXISTING 6" GAS PE (TO REMAIN)

CONNECT TO EXISTING 6" GAS PE (STA 0+00)

EXISTING ¾" GAS PE (TO BE RETIRED)

MAINTAIN 5' SEPERATION FROM POWER POLE

LINE A-A (SEE PROFILE THIS SHEET)

PROPOSED 6" GAS MDPE VIA OPEN CUT

PROPOSED BJ LAUNCH/RECEIVING PIT, 25' X 25' (3' OFF ROW)

LINE C-C (SEE PROFILE THIS SHEET)

PROPOSED 2" GAS MDPE W/ 4" STEEL CASING BJ

MATCH LINE STA. 509+00 SEE SHT. U5-3 & U5-4

PROPOSED 2" GAS MDPE VIA OPEN CUT (MAINTAIN 5' HORIZONTAL SEPARATION FROM 8" PROPOSED WATER)

PROPOSED BJ LAUNCH/RECEIVING PIT, 25' X 25' (7' OFF ROW) ④

EXISTING 6"GAS (TO BE REMOVED)

PROP. CONST. ESMT.

PROP. SLOPE ESMT.

PRES. R.O.W.

PROP. R.O.W.

LAST MARK

TO BE REMOVED

29'-24"CMP

18"CMP

21' ASP

22' ASP

SR322

S 37° 34' 45" E

S2°38'45"E

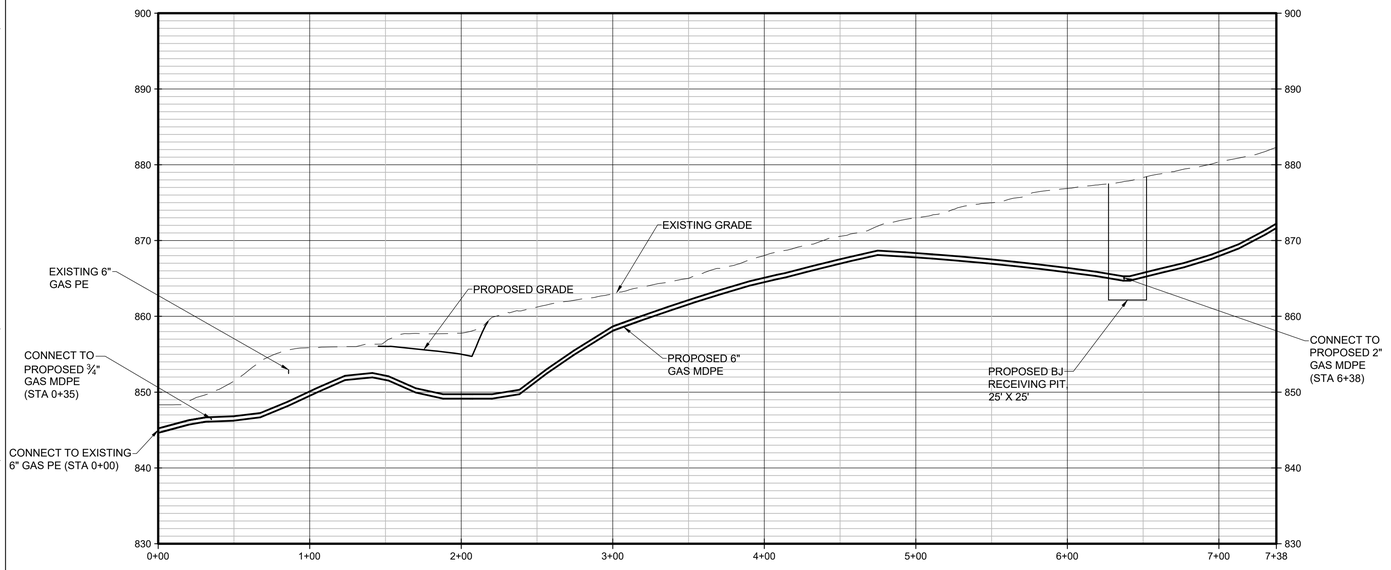
INV-853.66

INV-853.87

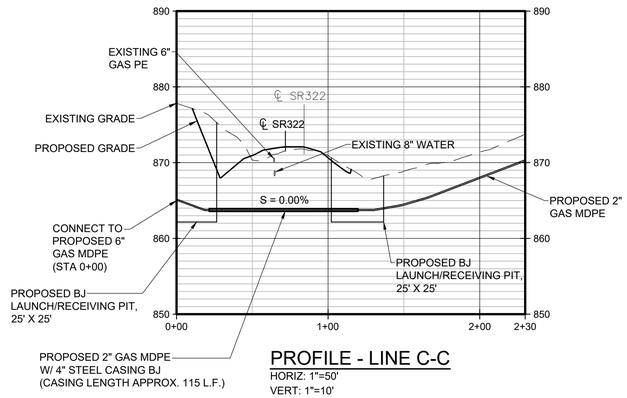
INV-861.11

INV-853.96

PLAN
SCALE: 1"=50'



PROFILE - LINE A-A
HORIZ: 1"=50'
VERT: 1"=10'



PROFILE - LINE C-C
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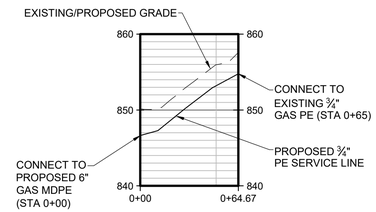
VERT: 1"=10'



PROFILE - LINE B-B
HORIZ: 1"=50'
VERT: 1"=10'

SEALED BY

DAVID L. JONES
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

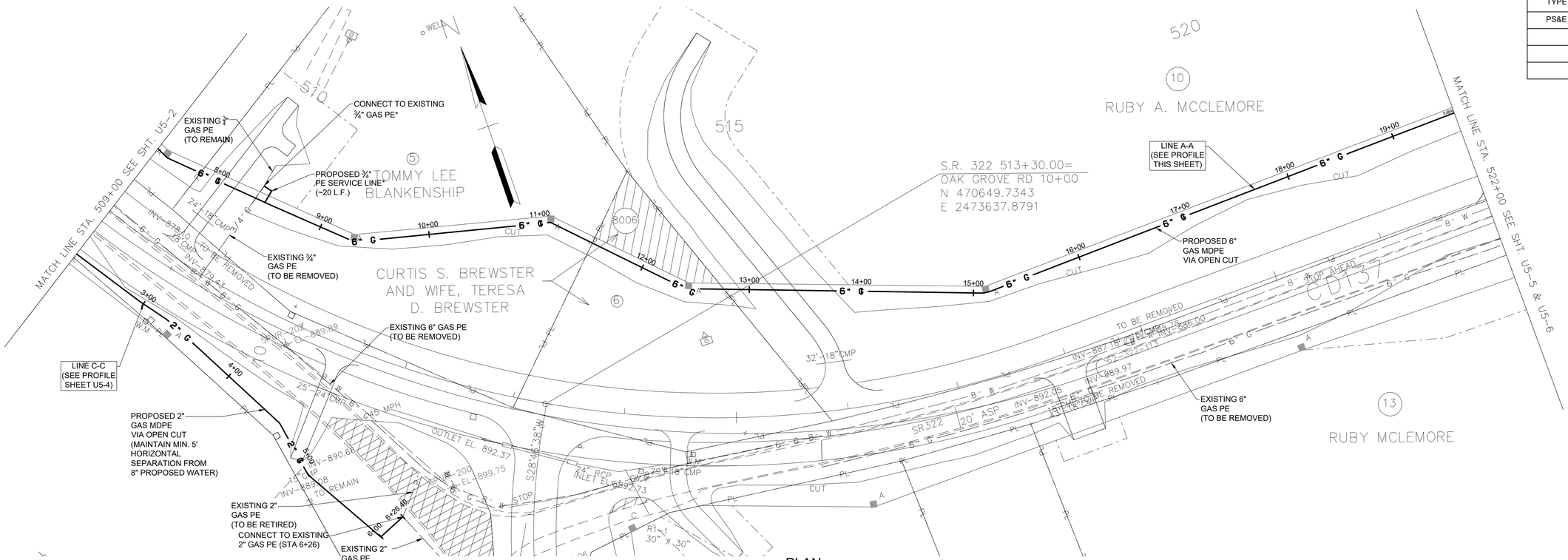
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GAS LINE RELOCATIONS

STA. 500+41.07 TO STA. 509+00
SCALE: 1"=50'

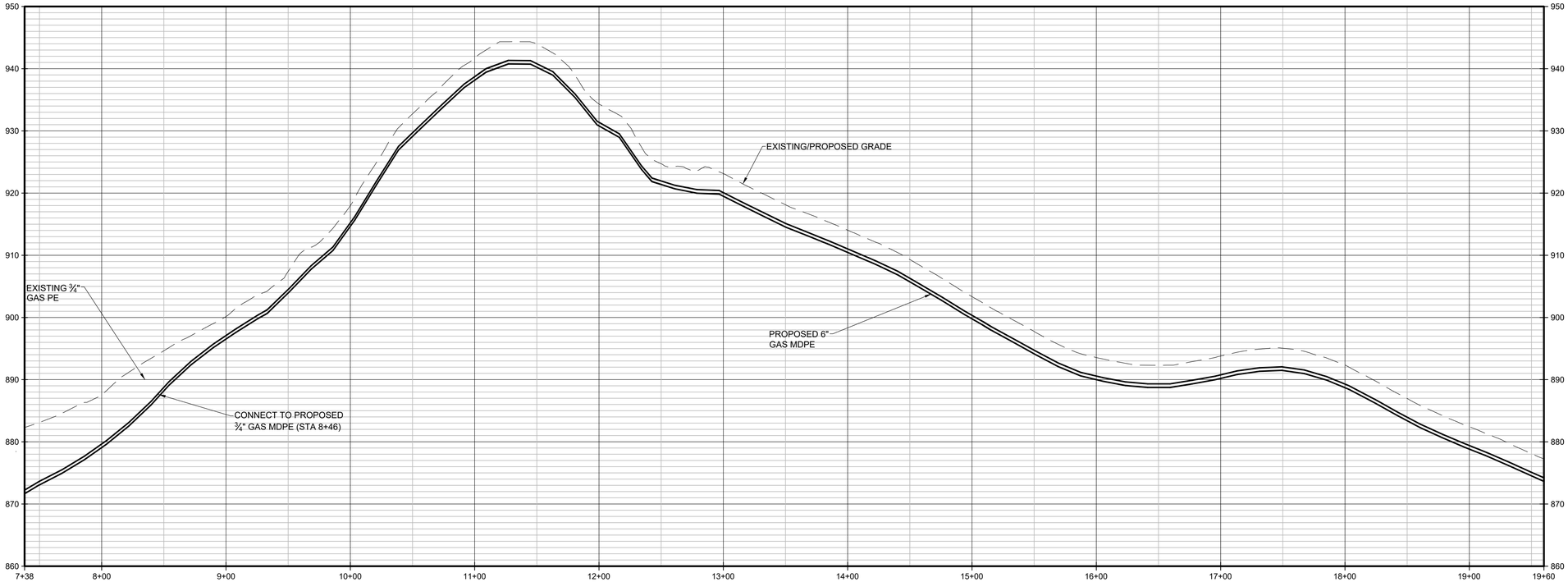
U5 Project: Knoxville-Loudon Utilities Board) Plot By: Jeff Jones, Drawing: U5-2 (5/27/2026 10:51:04 AM, LATOUR)

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-3
		R-STP-322(15)	



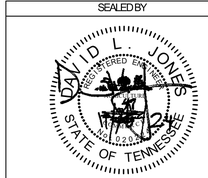
PLAN
SCALE: 1"=50'

* NOT SHOWN IN PROFILE



PROFILE - LINE A-A
HORIZ: 1"=50'
VERT: 1"=10'

SEALED BY



COORDINATES ARE NAD83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

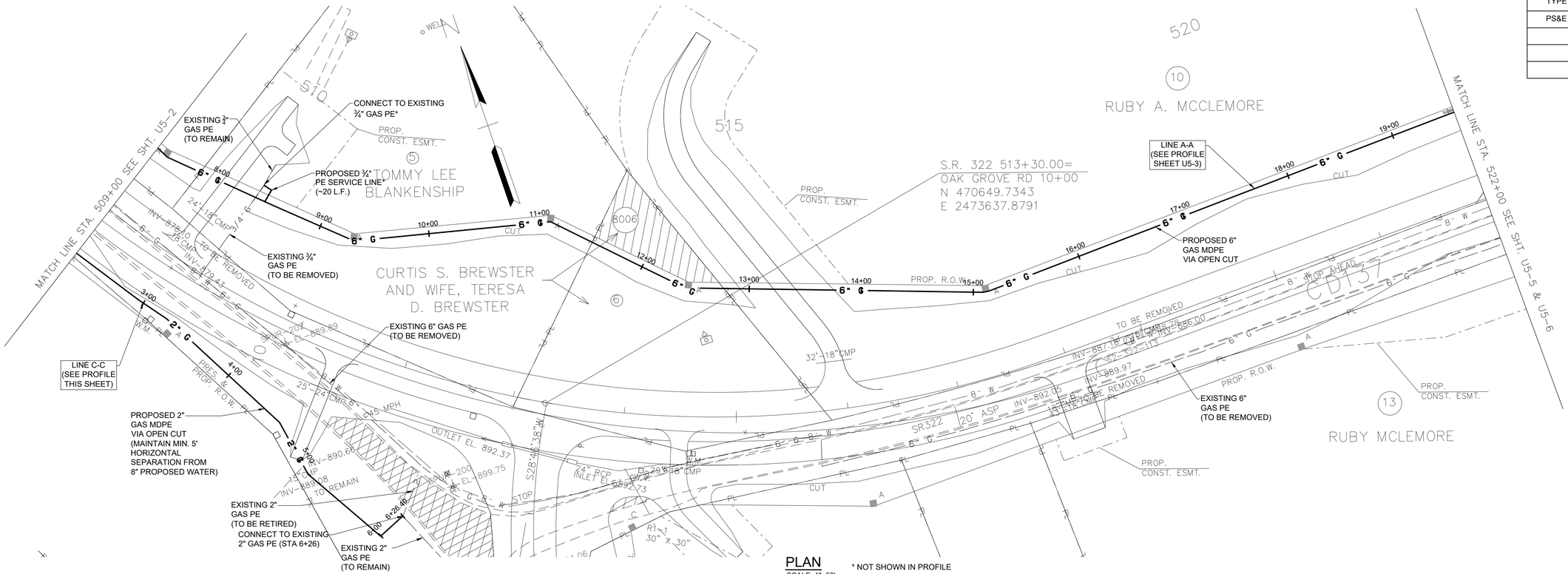
GAS LINE RELOCATIONS

STA. 509+00 TO STA. 522+00

SCALE: 1"=50'

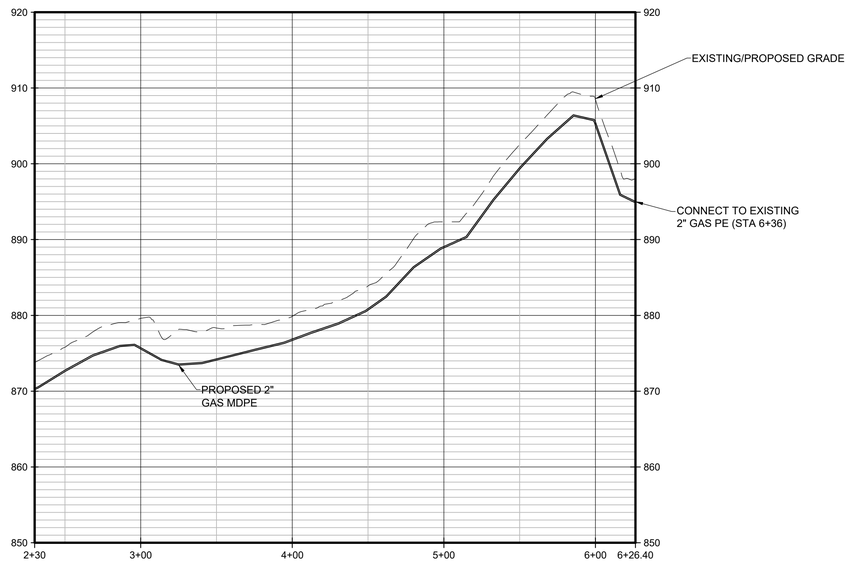
CII PROJECT: K19008-06 (Loudon Utilities Board) 1001 SR-322 Gas Relocation, DRAWING: U5-3 (B3589B16/1/15/25 11:21AM), LAYOUT: U5-3

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-4
		R-STP-322(15)	



PLAN
SCALE: 1"=50'

* NOT SHOWN IN PROFILE



PROFILE - LINE C-C
HORIZ: 1"=50'
VERT: 1"=10'

SEALED BY

DAVID L. JONES
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

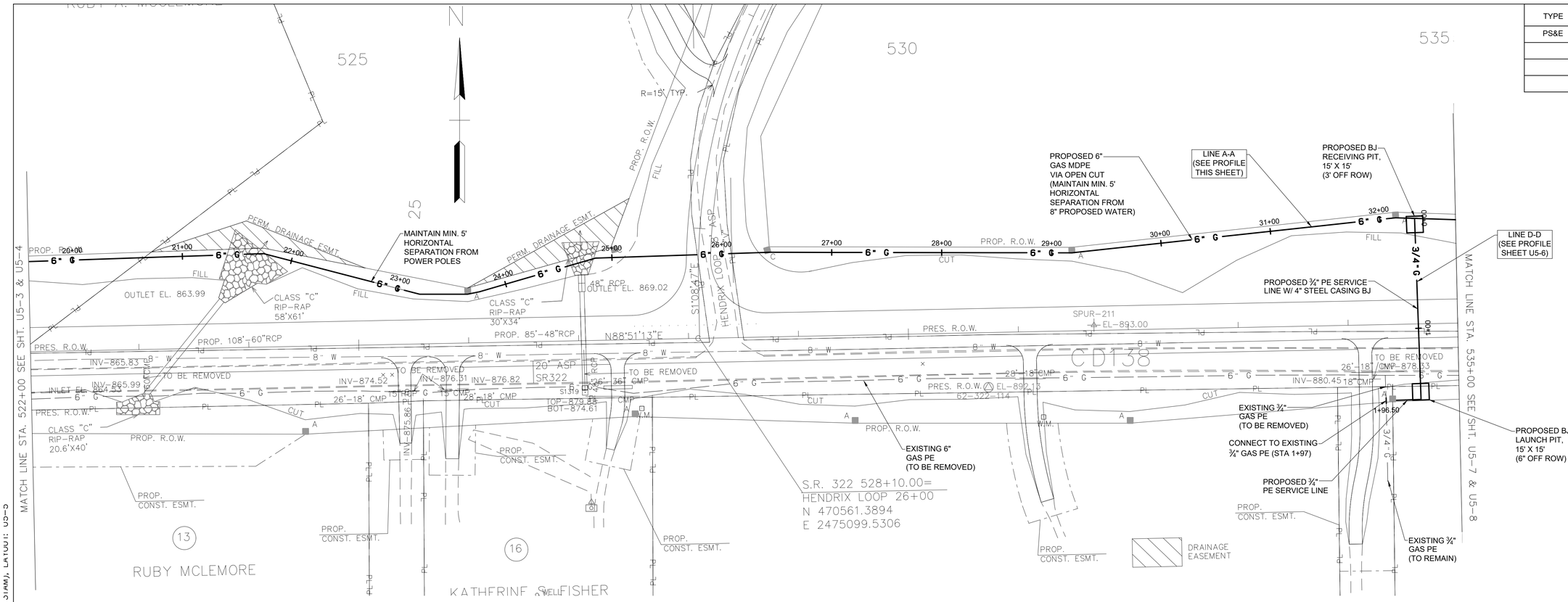
GAS LINE RELOCATIONS

STA. 509+00 TO STA. 522+00

SCALE: 1"=50'

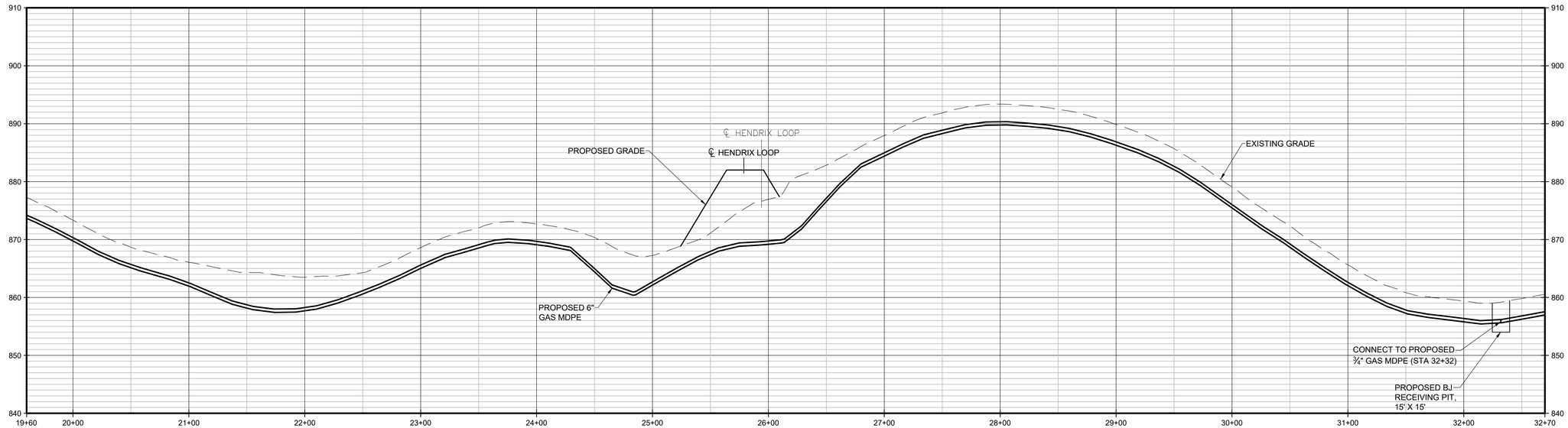
U:\Projects\Knoxville-Loudon Utilities Board\LUU1 SR-322 Gas Relocation, Drawings\U3-4 (Design).dgn 12/5/2025 11:20:04 AM, LATOUR

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-5
		R-STP-322(15)	



PLAN

SCALE: 1"=50'



PROFILE - LINE A-A

HORIZ: 1"=50'
VERT: 1"=10'

SEALED BY

DAVID L. JONES
REGISTERED ENGINEER
No. 02036
STATE OF TENNESSEE

COORDINATES ARE NAD83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

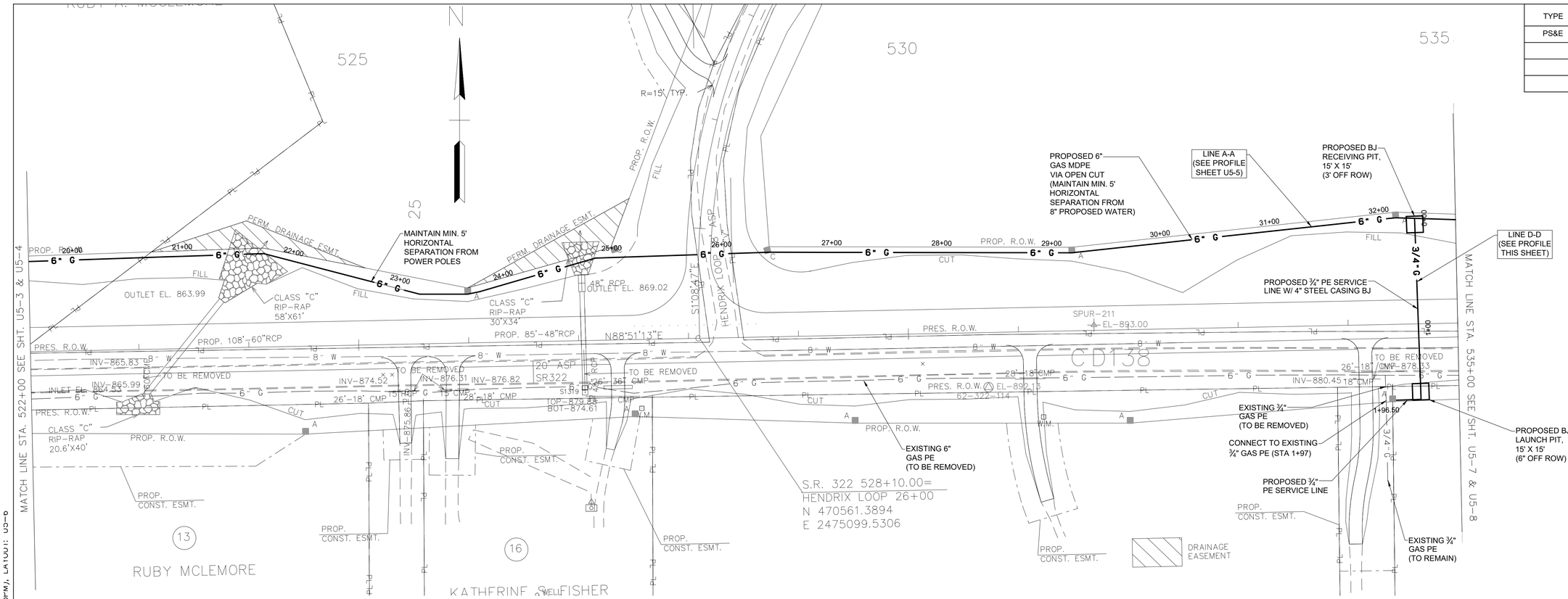
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GAS LINE RELOCATIONS

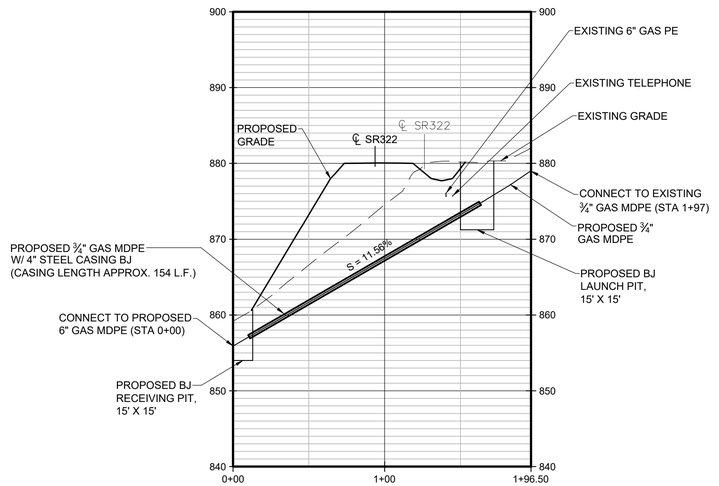
STA. 522+00 TO STA. 535+00

SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-6
		R-STP-322(15)	



PLAN
SCALE: 1"=50'



PROFILE - LINE D-D
HORIZ: 1"=50'
VERT: 1"=10'

SEALED BY

DAVID L. JONES
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

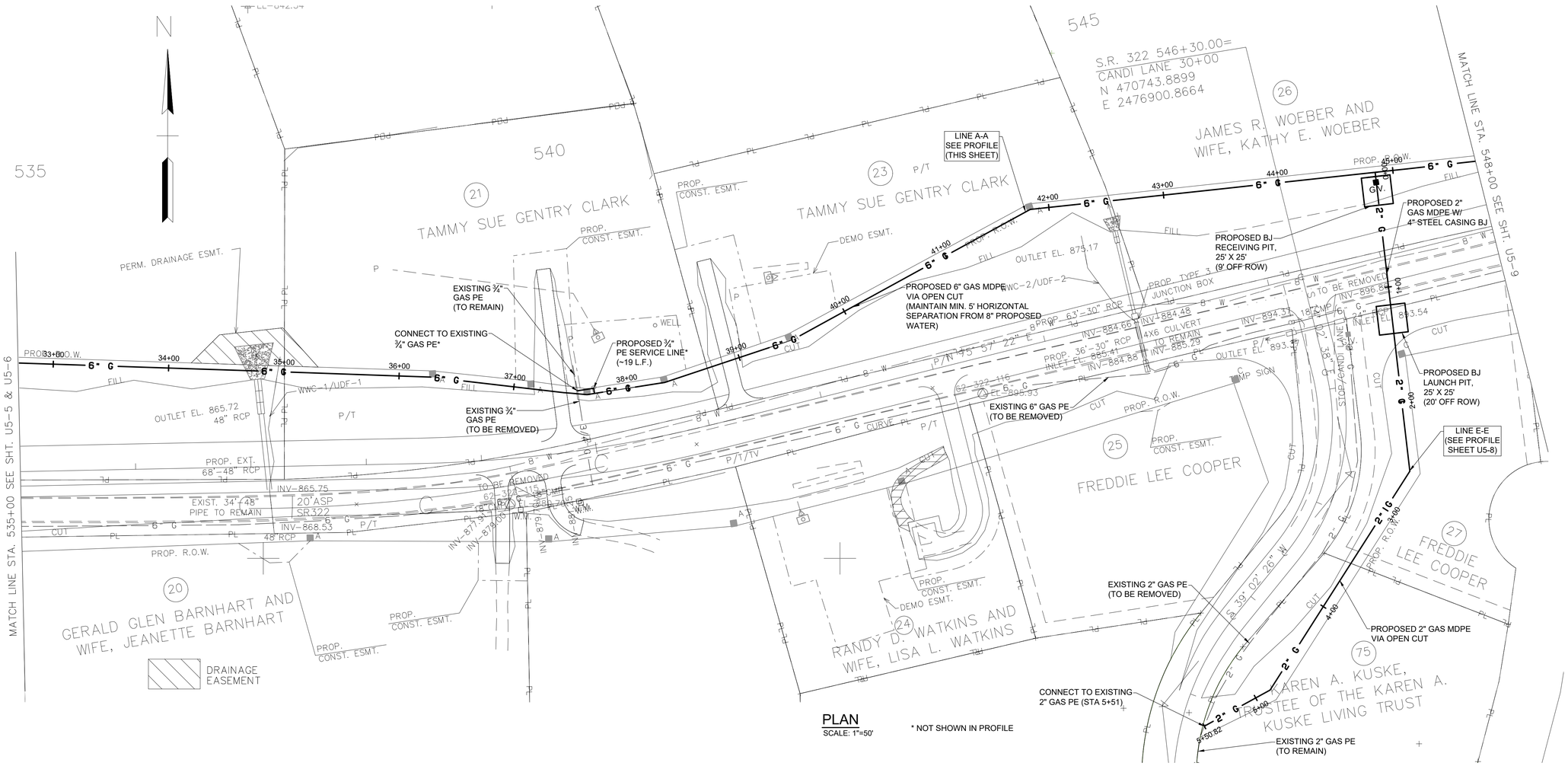
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GAS LINE RELOCATIONS

STA. 522+00 TO STA. 535+00
SCALE: 1"=50'

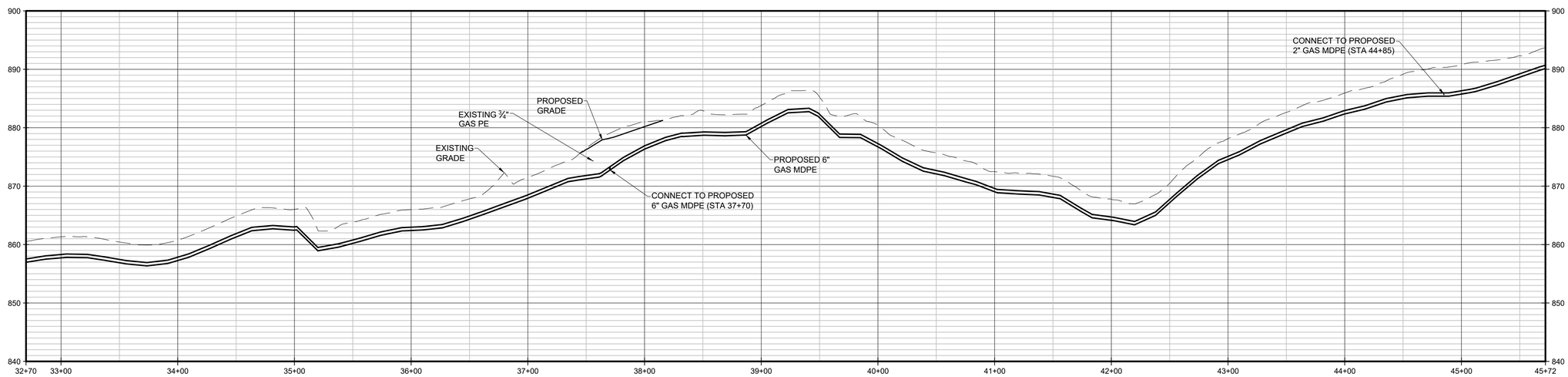
U:\Projects\Knoxville Utilities Board (KUB)\SR-322 Gas Relocation\Drawings\U3-6 (5/22/2026 3:03:04 PM, LATOUR)

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-7
		R-STP-322(15)	



PLAN
SCALE: 1"=50'

* NOT SHOWN IN PROFILE



PROFILE - LINE A-A
HORIZ: 1"=50'
VERT: 1"=10'

SEALED BY

DAVID L. JONES
REGISTERED ENGINEER
NO. 0203
STATE OF TENNESSEE

COORDINATES ARE NAD83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

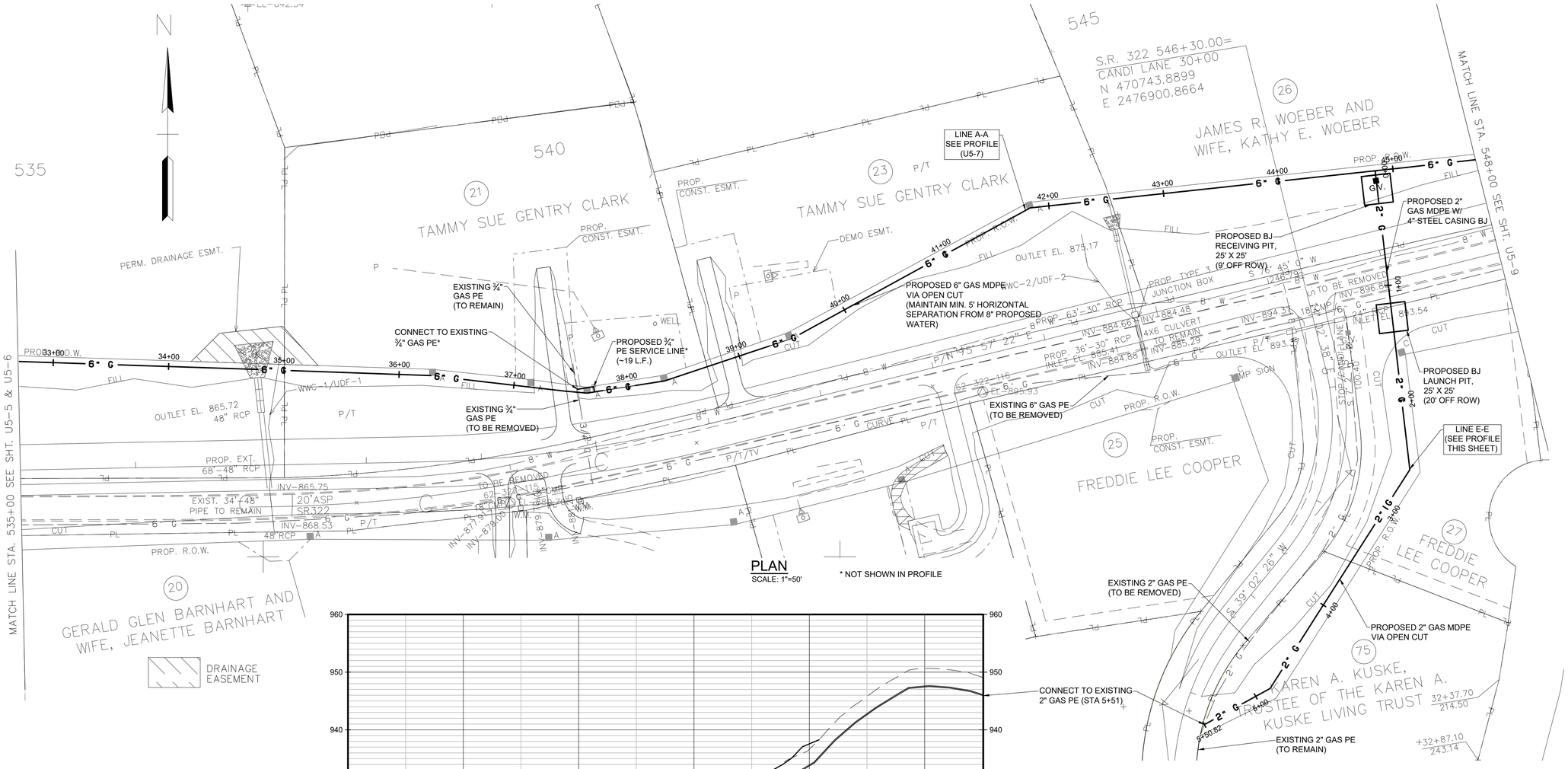
GAS LINE RELOCATIONS

STA. 535+00 TO STA. 548+00

SCALE: 1"=50'

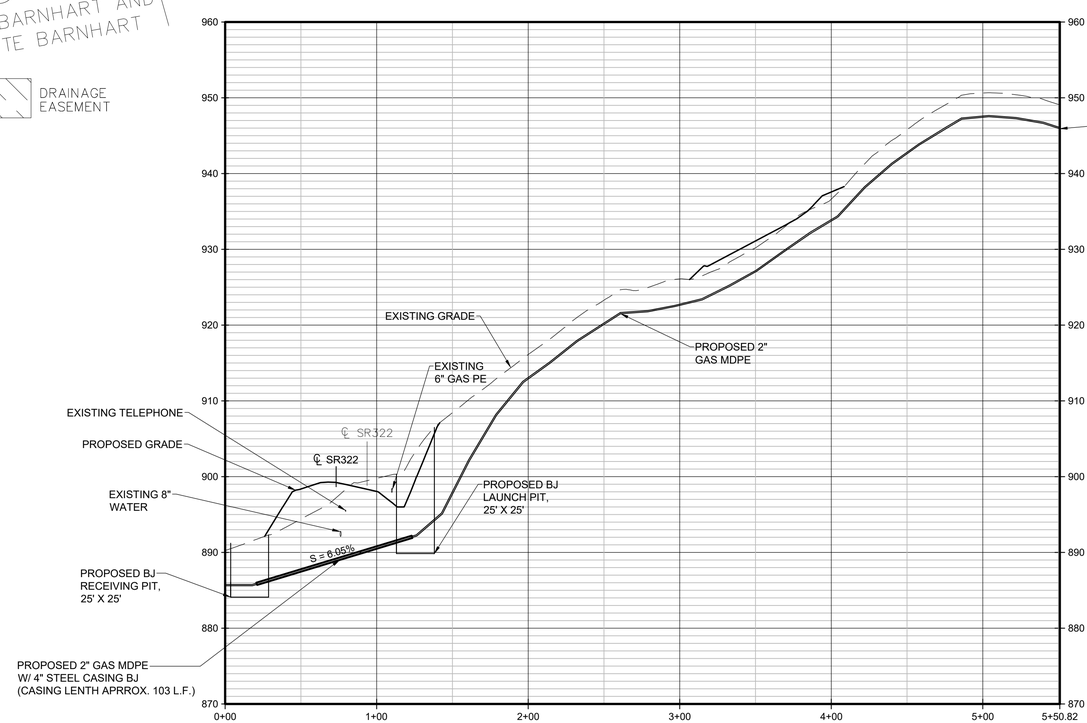
U:\Projects\Knoxville Utilities Board (KUB)\SR-322 SR1 Relocation, Unknown\CAD\Plans\U3-7 (Layout) 3:49PM, 12/19/25, Layout1

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-8
		R-STP-322(15)	



PLAN
SCALE: 1"=50'

* NOT SHOWN IN PROFILE



PROFILE - LINE E-E
HORIZ: 1"=50'
VERT: 1"=10'

SEALED BY

DAVID L. JONES
REGISTERED ENGINEER
STATE OF TENNESSEE

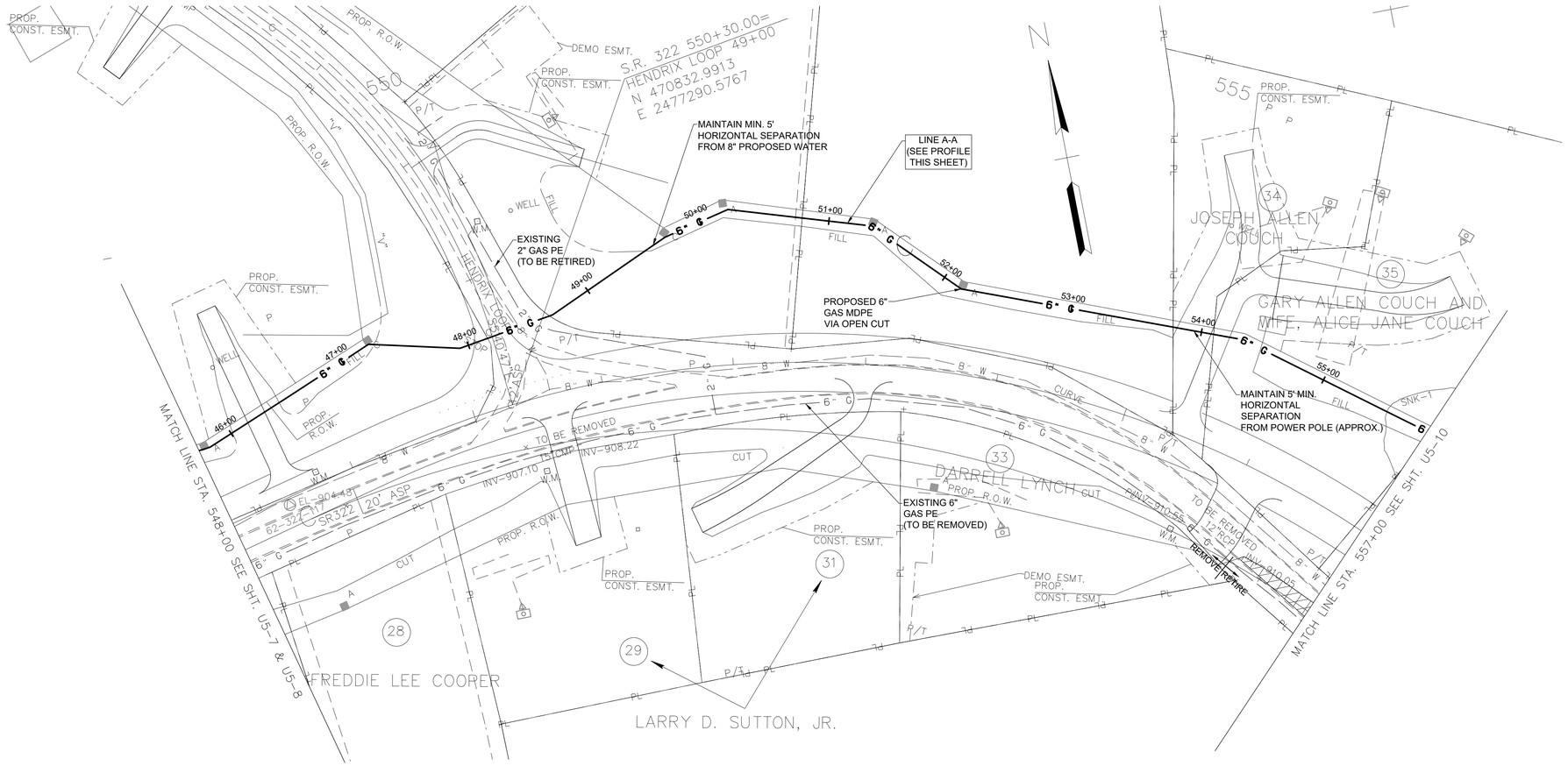
COORDINATES ARE NAD83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

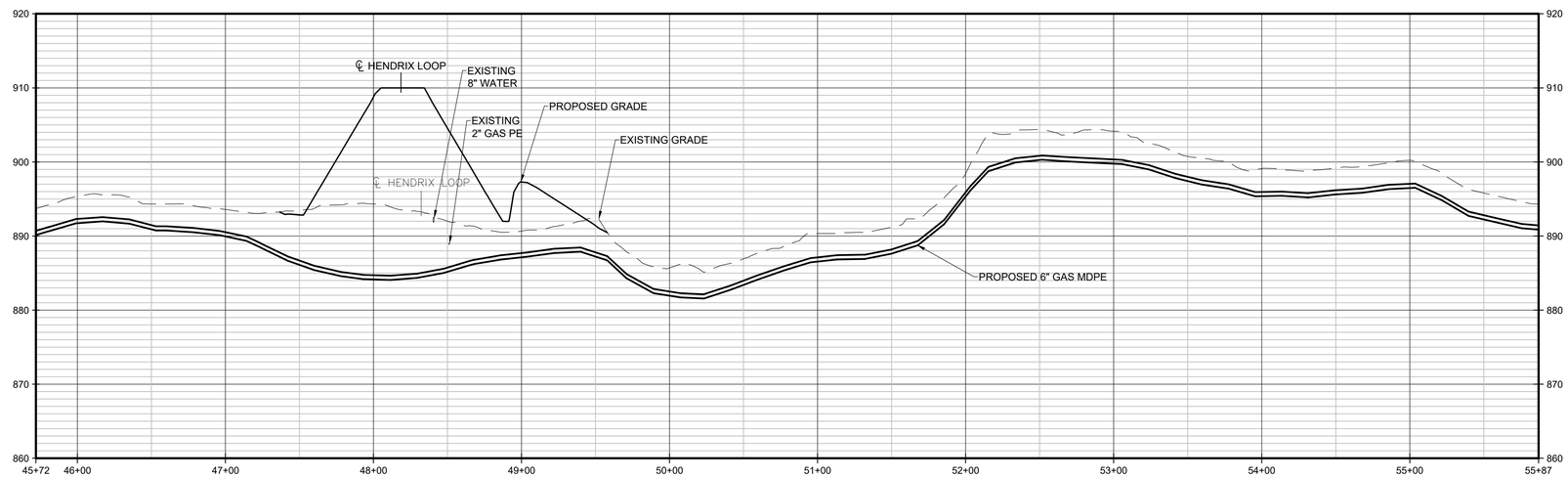
GAS LINE RELOCATIONS

STA. 535+00 TO STA. 548+00
SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-9
		R-STP-322(15)	



PLAN
SCALE: 1"=50'



PROFILE - LINE A-A
HORIZ: 1"=50'
VERT: 1"=10'

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DAVID L. JONES
REGISTERED ENGINEER
STATE OF TENNESSEE
NOV. 02 2025

COORDINATES ARE NAD83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

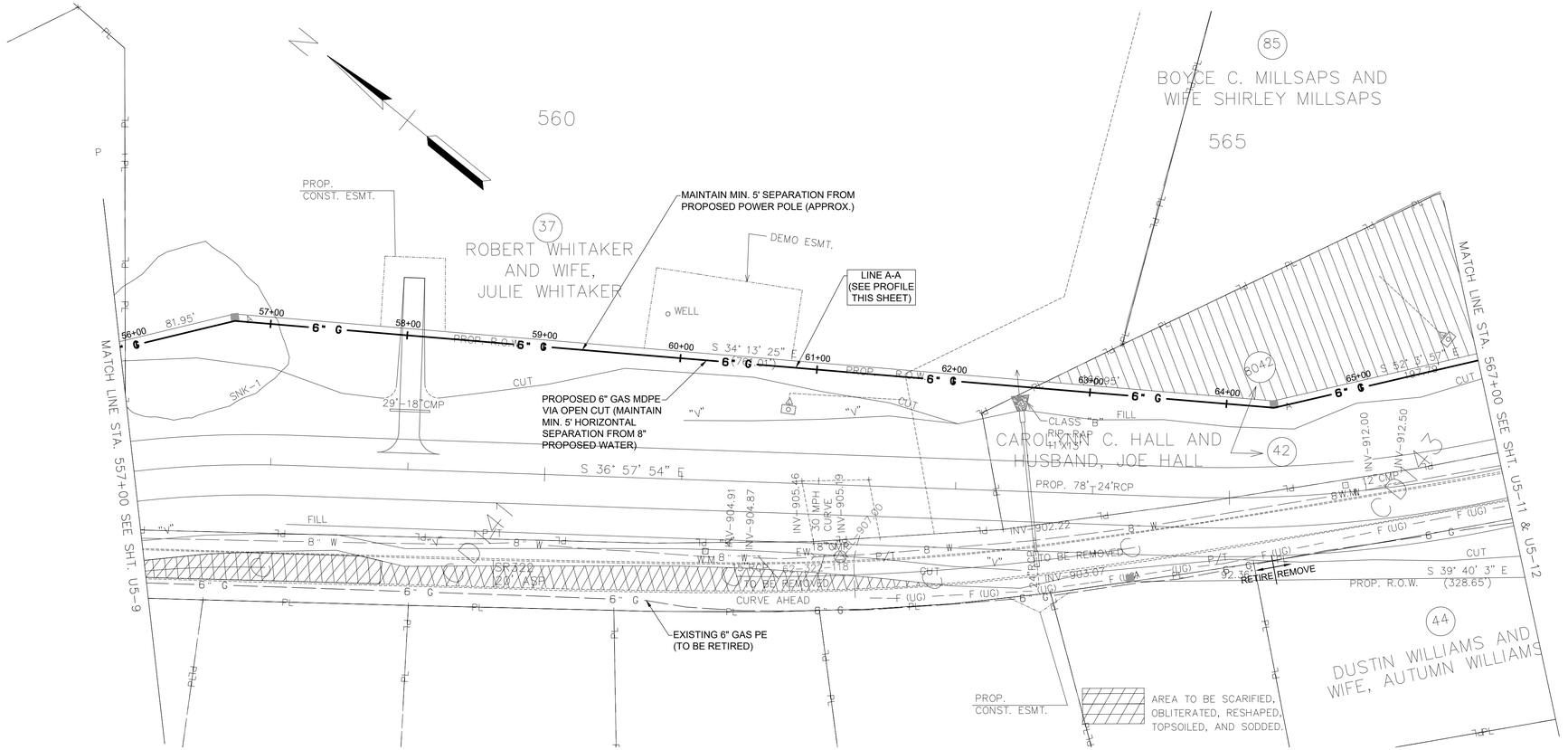
GAS LINE RELOCATIONS

STA. 548+00 TO STA. 557+00

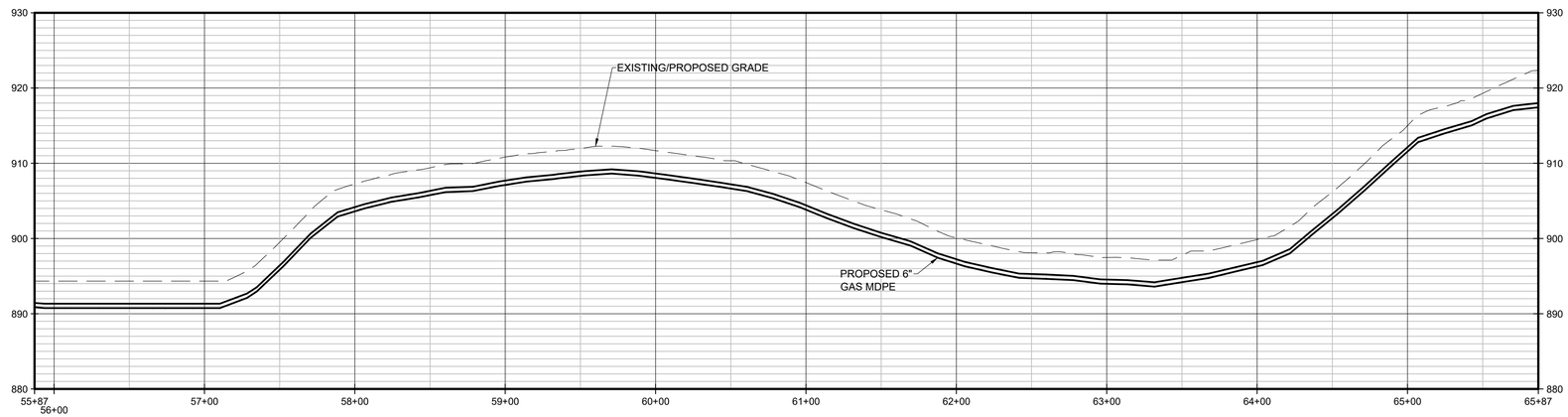
SCALE: 1"=50'

LM PROJECT: R-STP-322(15) LOUDON UTILITIES BOARD GAS RELOCATION, DRAWING: U5-9 (DESIGN) 11/13/2025 3:13PM, LAYOUT: U5-9

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-10
		R-STP-322(15)	



PLAN
SCALE: 1"=50'



PROFILE - LINE A-A
HORIZ: 1"=50'
VERT: 1"=10'

SEALED BY

DAVID L. JONES
REGISTERED ENGINEER
NOV. 2, 2025

COORDINATES ARE NAD83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

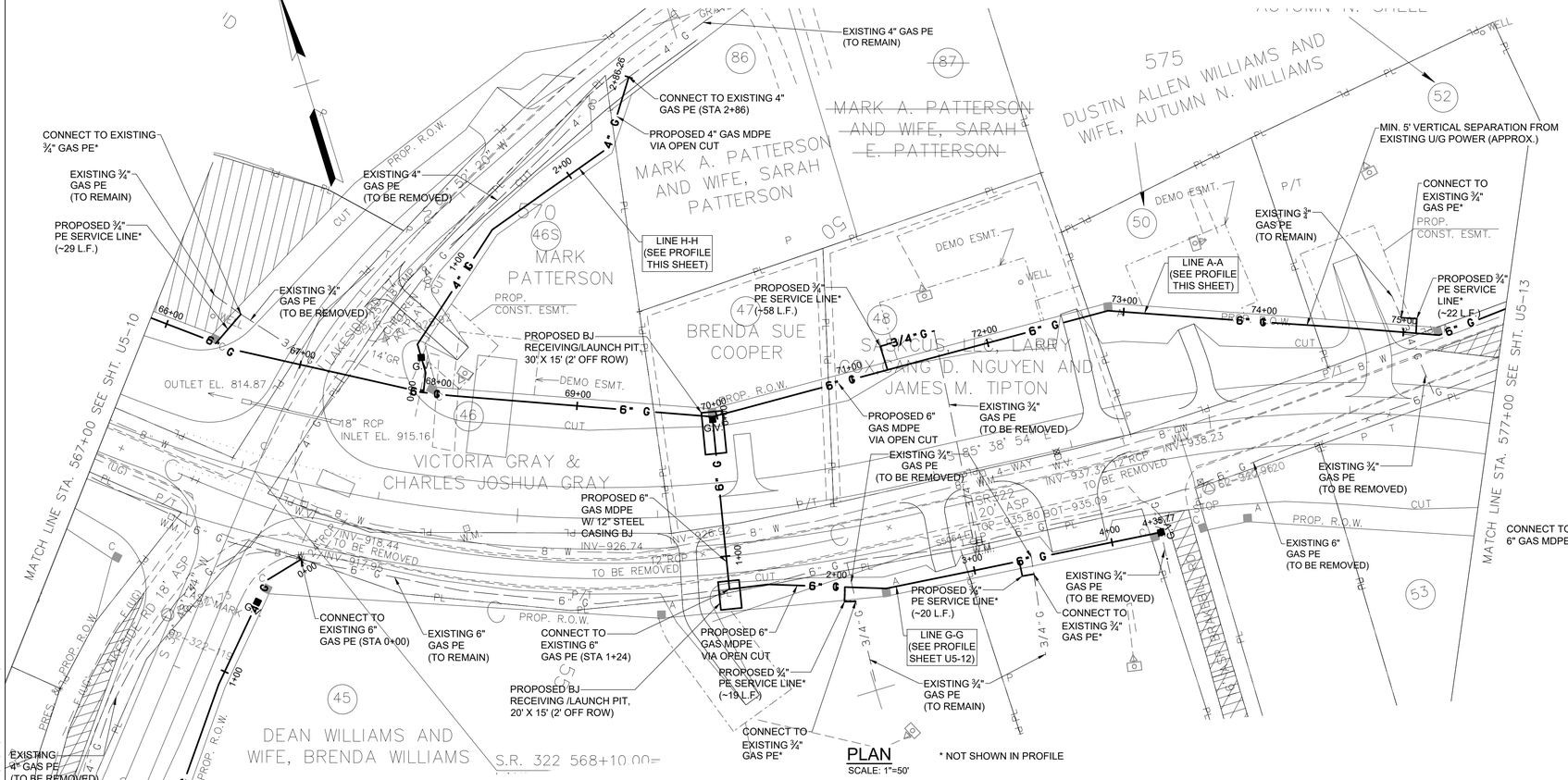
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GAS LINE RELOCATIONS

STA. 557+00 TO STA. 567+00
SCALE: 1"=50'

All Project: Knoxville-Knox County-Farragut Urban Area Boundary (UAB) 2020 Adjusted, Knox-227 Gas Relocation, Drawings: U5-10 Profile.dgn 11/13/2025 3:10PM, LATOUT: U5-10

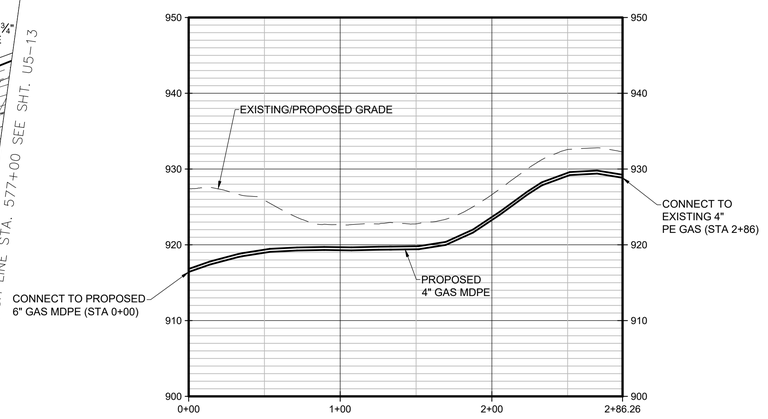
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-11
		R-STP-322(15)	



PLAN

SCALE: 1"=50'

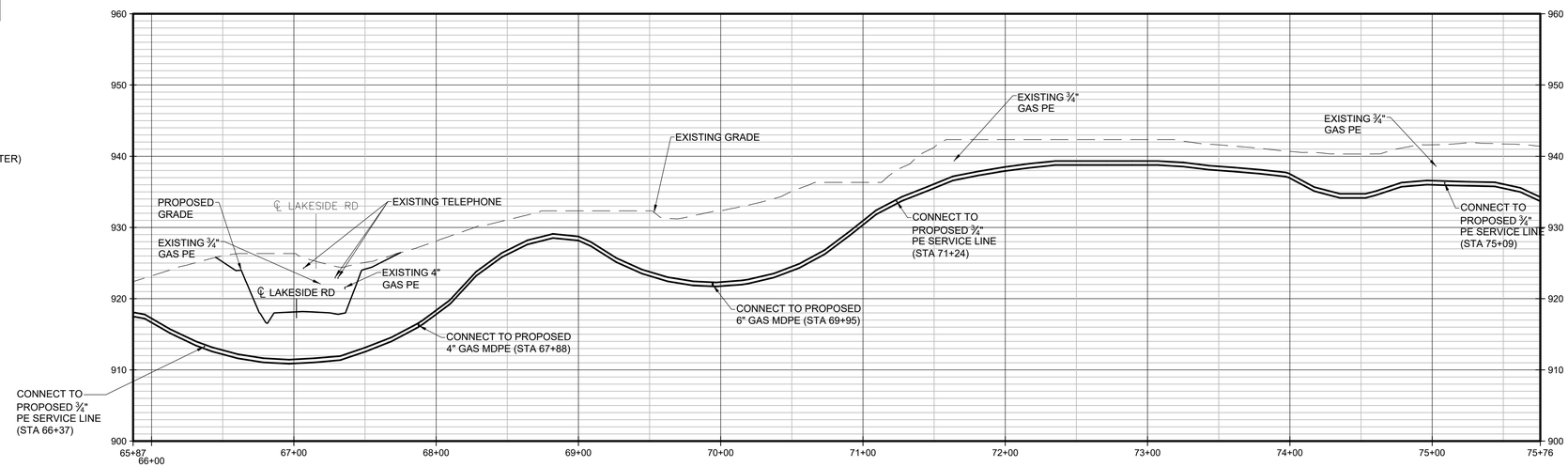
* NOT SHOWN IN PROFILE



PROFILE - LINE H-H

HORIZ: 1"=50'

VERT: 1"=10'



PROFILE - LINE A-A

HORIZ: 1"=50'

VERT: 1"=10'

SEALED BY

DAVID L. JONES
REGISTERED ENGINEER
117124
NOV. 20, 2025
STATE OF TENNESSEE

COORDINATES ARE NAD83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

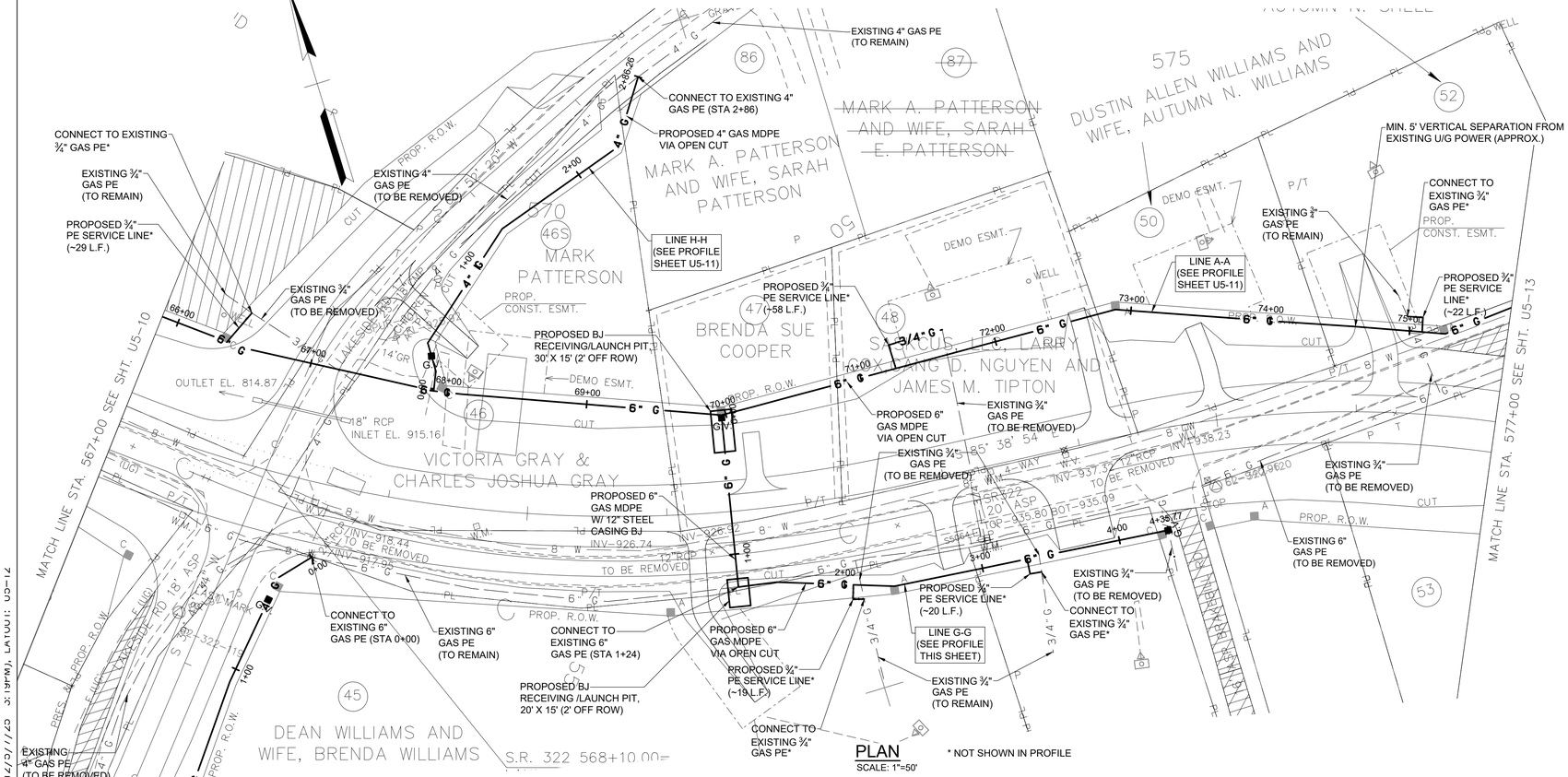
GAS LINE RELOCATIONS

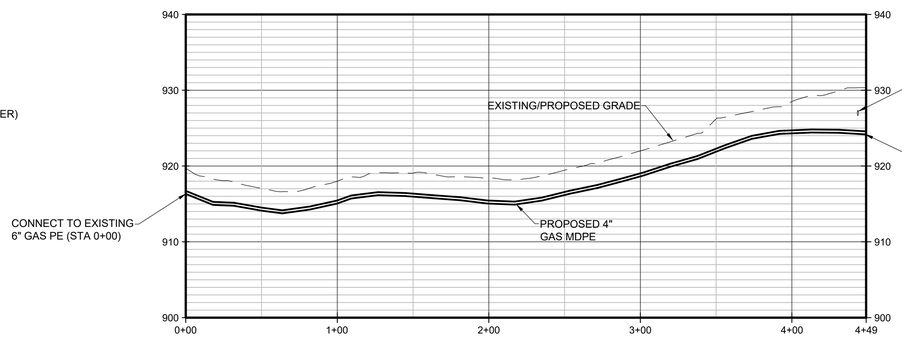
STA. 567+00 TO STA. 577+00

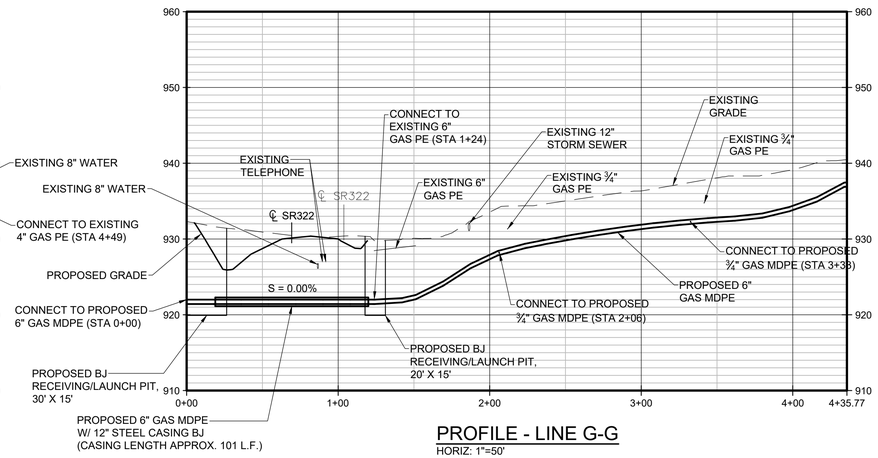
SCALE: 1"=50'

All Project Plan Sheets Loudon Utilities Gas Relocation Drawings U5-11 (03294) 11/3/2025 3:08:44 PM

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-12
		R-STP-322(15)	







SEALED BY

DAVID L. JONES
REGISTERED ENGINEER
NOV. 9, 2025
STATE OF TENNESSEE

COORDINATES ARE NAD83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GAS LINE RELOCATIONS

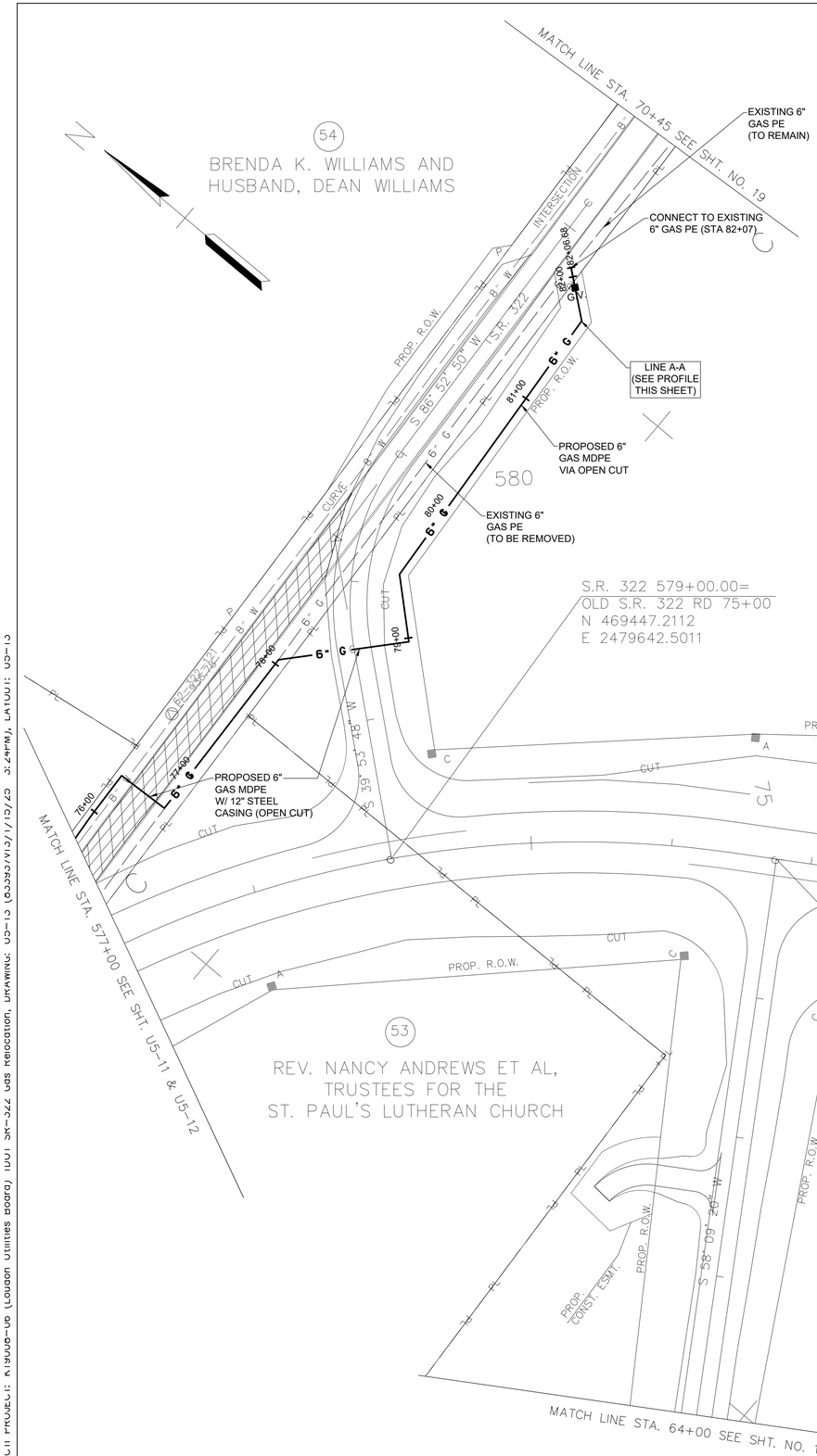
STA. 567+00 TO STA. 577+00

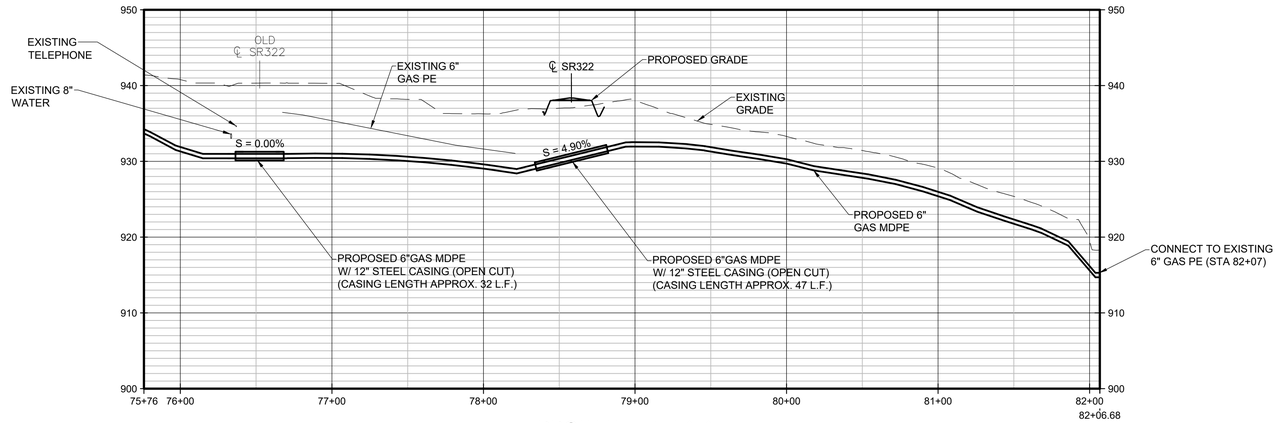
SCALE: 1"=50'

U5-12

U5 PROJECT: R-STP-322(15) LOUDON UTILITIES BOARD GAS RELOCATION, DRAWING: U5-12 (U5-3206-14) 11/7/2025 3:19PM, LAYOUT: U5-12

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-13
		R-STP-322(15)	





PROFILE - LINE A-A

HORIZ: 1"=50'
VERT: 1"=10'

PLAN

SCALE: 1"=50'

SCARIFICATION AREA

SEALED BY

DAVID L. JONES
REGISTERED ENGINEER
NO. 112...
STATE OF TENNESSEE

COORDINATES ARE NAD83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

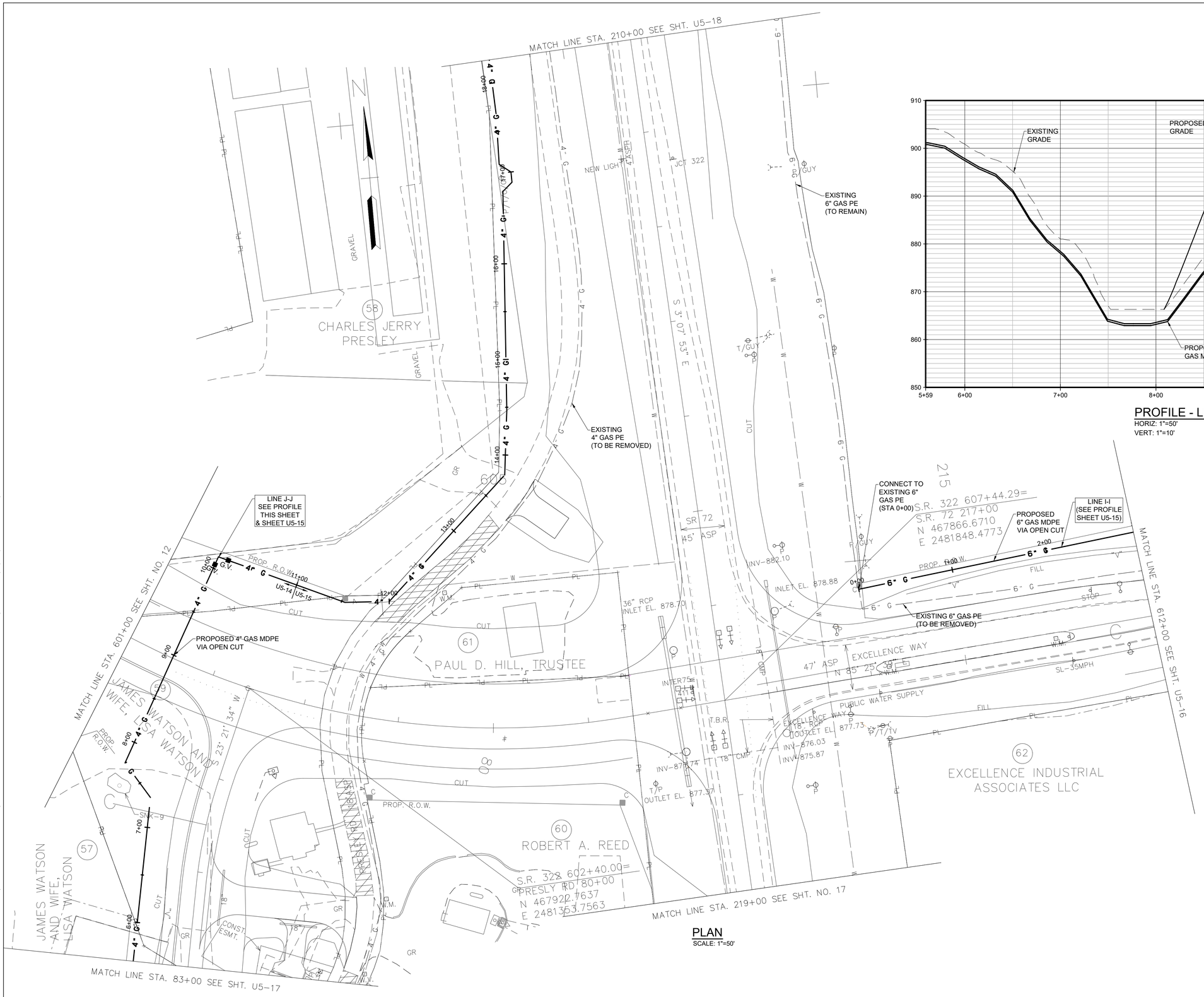
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GAS LINE RELOCATIONS

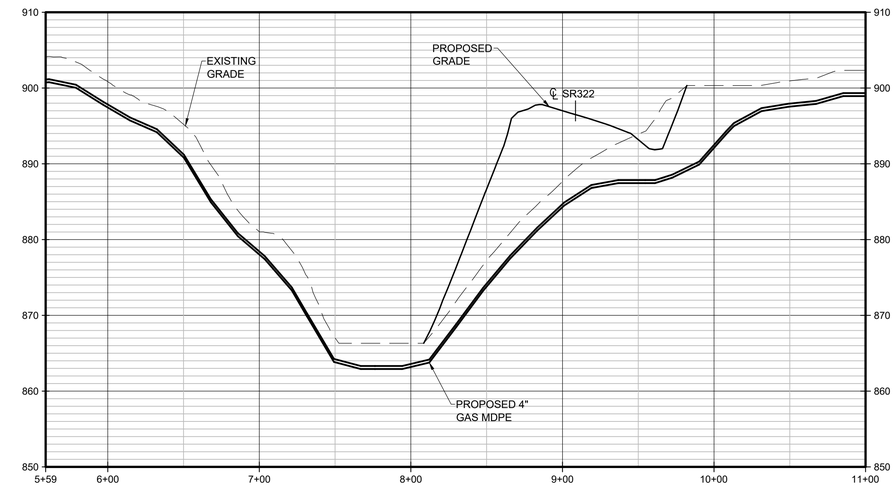
STA. 577+00 TO STA. 590+00
SCALE: 1"=50'

U5 PROJECT: KNOX-UD (Loudon Utilities Board) (UU) SR-322 Gas Relocation, DRAWING: U5-13 (D:\3393\V13\1\13.dgn 31:24PM), LATOUT: U5-13

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-14
		R-STP-322(15)	

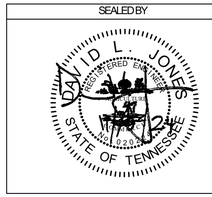


PLAN
SCALE: 1"=50'



PROFILE - LINE J-J
HORIZ: 1"=50'
VERT: 1"=10'

SEALED BY



COORDINATES ARE NAD83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

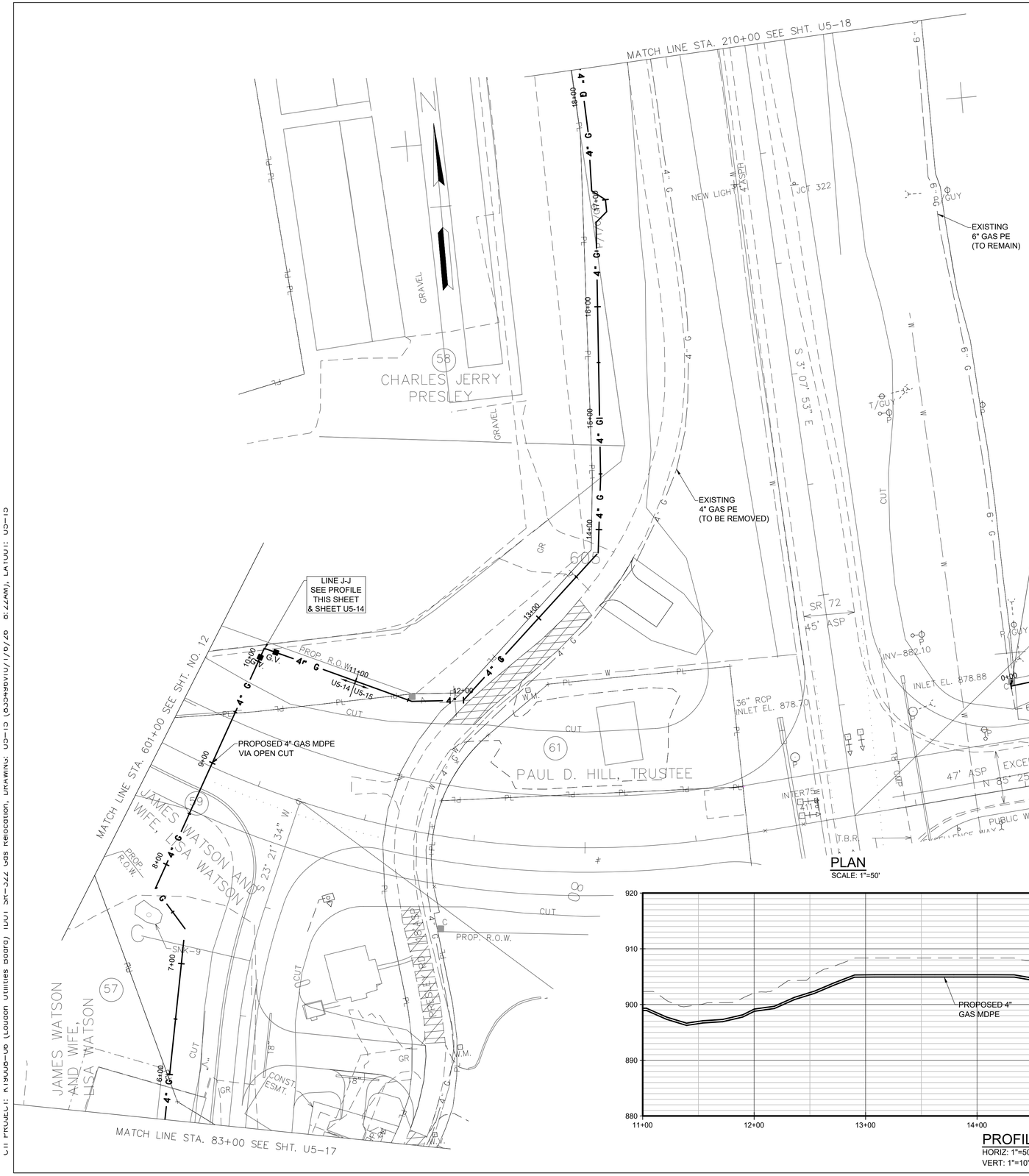
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GAS LINE RELOCATIONS

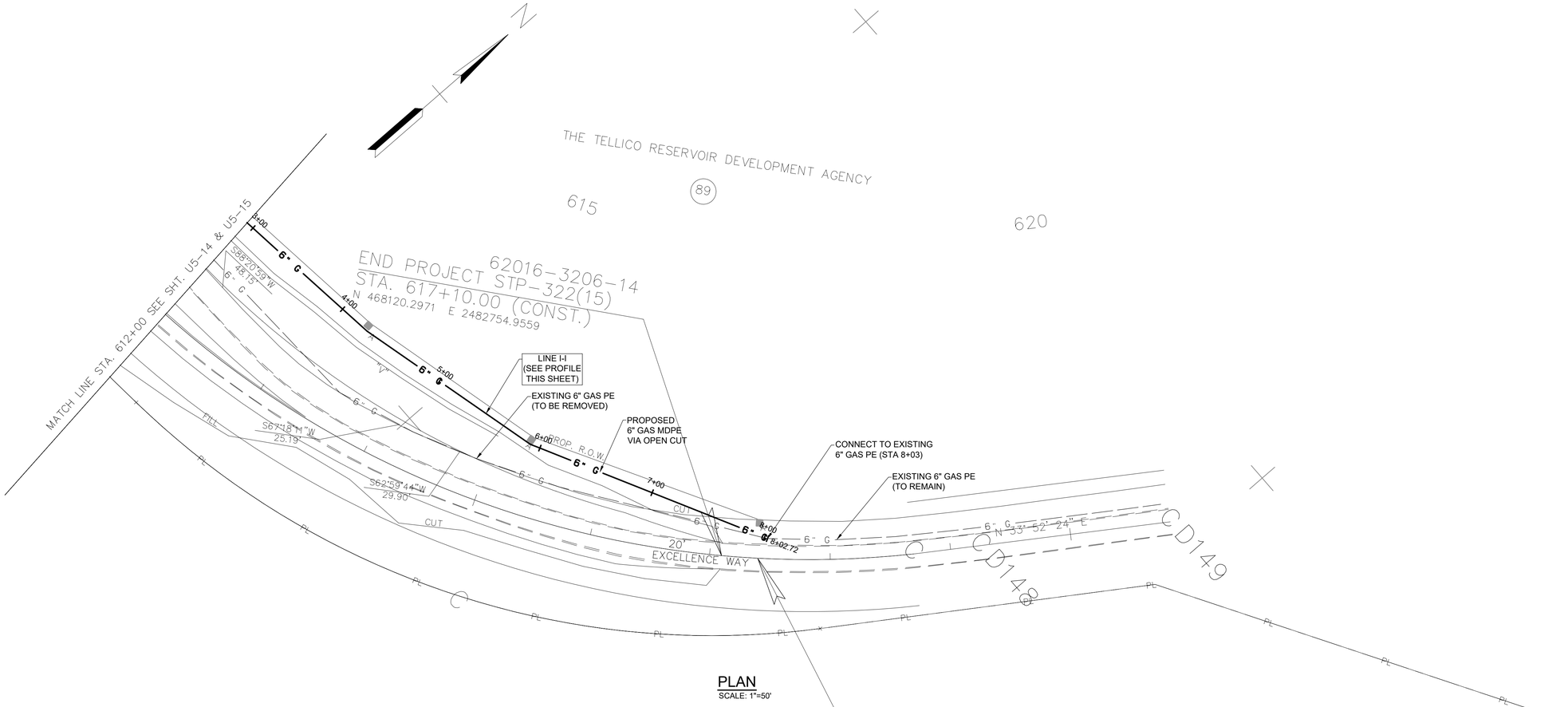
STA. 601+00 TO STA. 612+00
SCALE: 1"=50'

CII PROJECT: K19008-06 (Loudon Utilities Board) TDOT SR-322 Gas Relocation, DRAWING: U5-14 (8343/2V14/1/16/25 10:20AM), LATOUT: U5-14

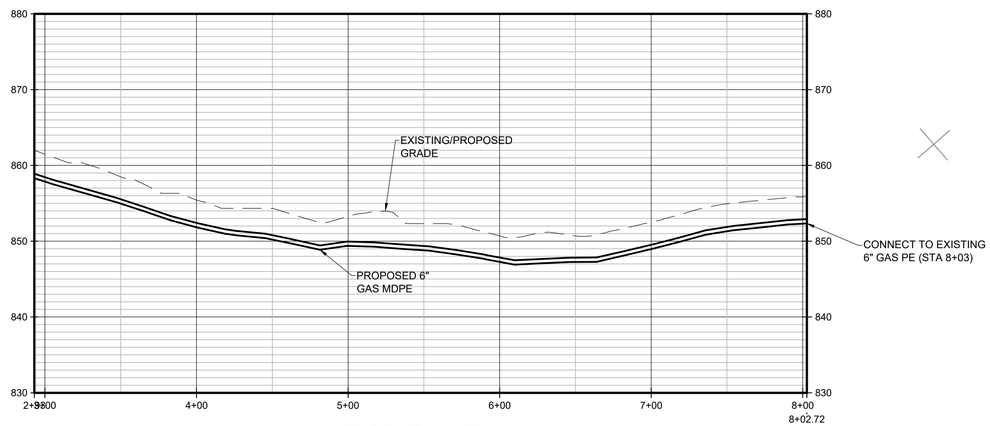
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-15
		R-STP-322(15)	


MATCH LINE STA. 210+00 SEE SHT. U5-18
4" G
4" GI
4" G
4" G
4" G

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-16
		R-STP-322(15)	



PLAN
SCALE: 1"=50'



PROFILE - LINE I-I
HORIZ: 1"=50'
VERT: 1"=10'

SEALED BY

DAVID L. JONES
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD83(1996), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

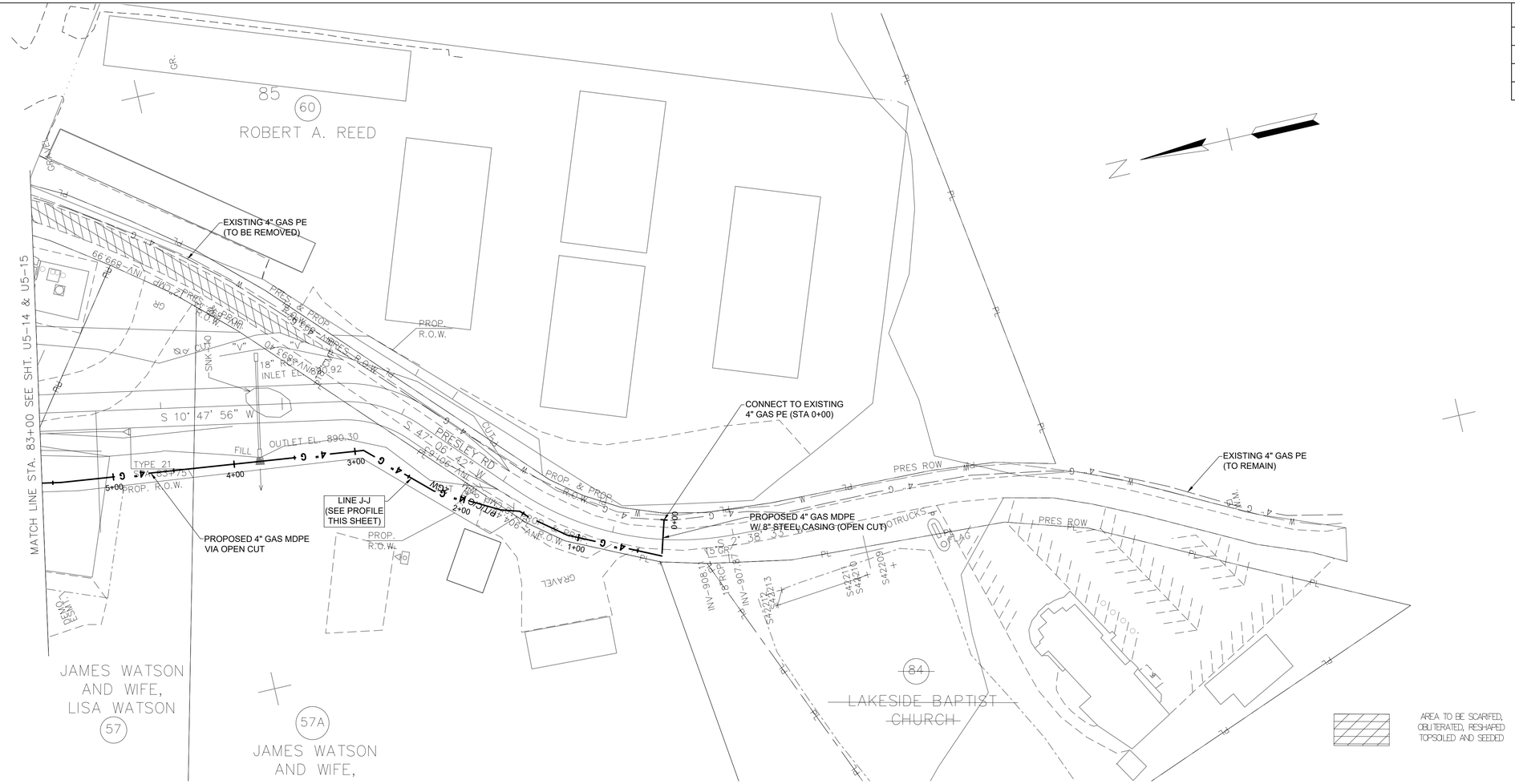
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GAS LINE RELOCATIONS

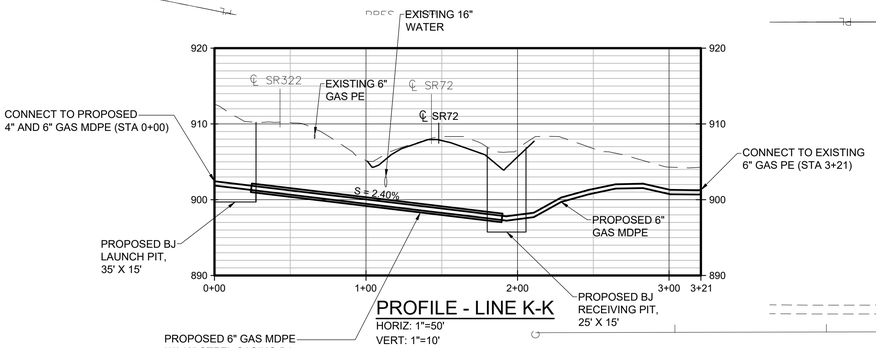
STA. 612+00 TO STA. 619+50
SCALE: 1"=50'

U:\Projects\Knoxville-Loudon Utilities Board\Gas Relocation, Drawings\U5-16 (Plan).dgn 7/1/2025 3:30:34 PM, LATOYA

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-17
		R-STP-322(15)	


MATCH LINE STA. 83+00 SEE SHT. U5-14 & U5-15
ROBERT A. REED
85
60
JAMES WATSON AND WIFE, LISA WATSON
57
JAMES WATSON AND WIFE,
57A
LAKESIDE BAPTIST CHURCH
84
EXISTING 4" GAS PE (TO BE REMOVED)
EXISTING 4" GAS PE (TO REMAIN)
CONNECT TO EXISTING 4" GAS PE (STA 0+00)
PROPOSED 4" GAS MDPE W/ 8" STEEL CASING (OPEN CUT)
PROPOSED 4" GAS MDPE VIA OPEN CUT
LINE J-J (SEE PROFILE THIS SHEET)
PRESLEY RD
PRES ROW
PROP. R.O.W.
PROP. & PROP. R.O.W.
PRES & PROP. R.O.W.
66.668 AM
66.668 AM
18" RCP
INLET EL. 890.92
OUTLET EL. 890.30
FILL
TYPE 21
S 10° 47' 56" W
S 47° 06' 42" W
S 42° 53' 18" E
S 47° 06' 42" W
S 42° 53' 18" E
S 47° 06' 42" W
S 42° 53' 18" E

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-18
		R-STP-322(15)	

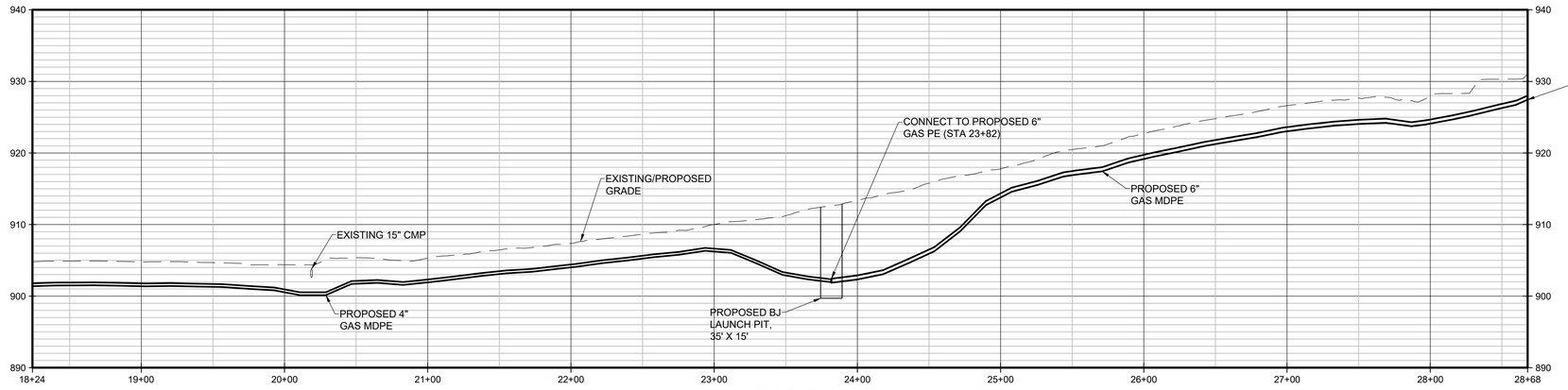


PROFILE - LINE K-K

HORIZ: 1"=50'
VERT: 1"=10'

PLAN

SCALE: 1"=50'



PROFILE - LINE J-J

HORIZ: 1"=50'
VERT: 1"=10'

SEALED BY

DAVID L. JONES
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

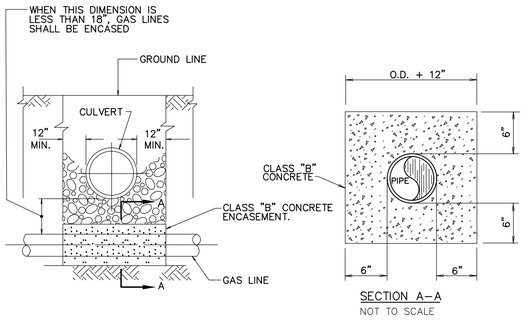
GAS LINE RELOCATIONS

STA. 202+00 TO STA. 210+00

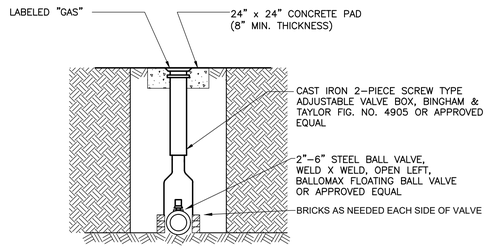
SCALE: 1"=50'

U5 PROJECT: KNOX-Loudon Utilities Board (LUD) SR-322 GAS Relocation, DRAWING: U5-10 [03/24/2026 07:27:11] C:\Users\

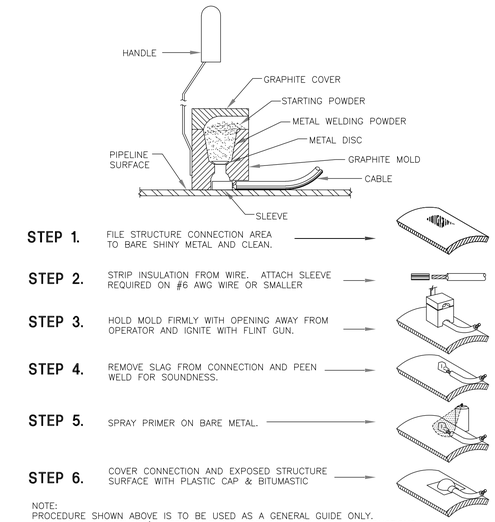
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	62016-3206-14	U5-19
		R-STP-322(15)	

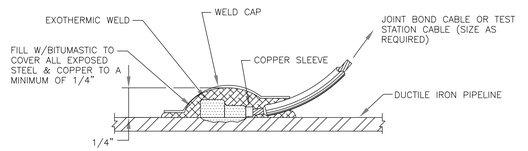


ENCASEMENT DETAIL AT LINE CROSSING
NOT TO SCALE

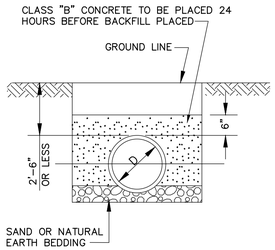


BALL AND CURB VALVE INSTALLATION DETAIL
NOT TO SCALE

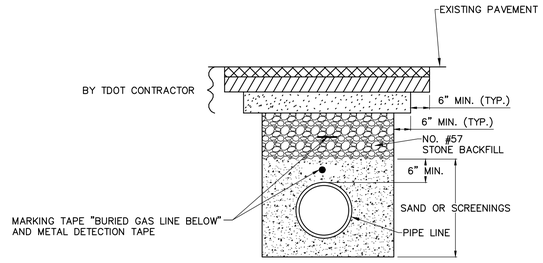




EXOTHERMIC WELD DETAIL
NOT TO SCALE

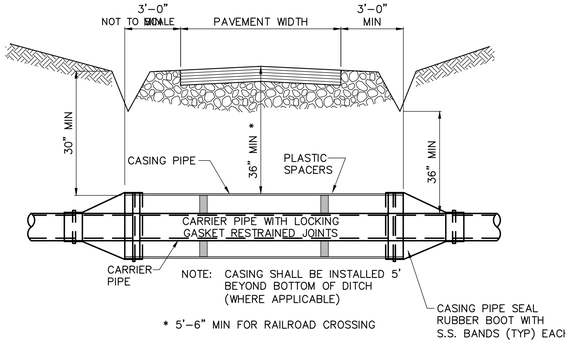


TYPICAL SECTION CONCRETE PROTECTION
(FOR PIPE 2 FT. – 6 IN. DEEP & LESS)
NOT TO SCALE

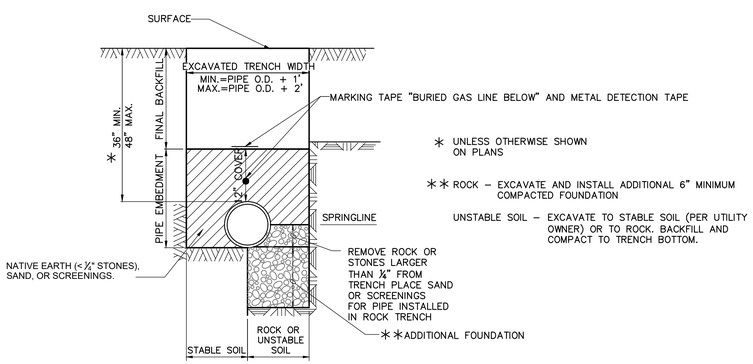


TO BE USED ON HOT MIX PAVED CITY ROADS AND ELSEWHERE AS DESIGNATED BY THE ENGINEER.

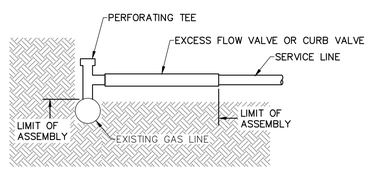
PAVEMENT REPLACEMENT DETAIL (CITY ROADS)



RAILROAD & HIGHWAY CROSSING DETAIL
NOT TO SCALE

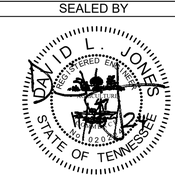


GAS PIPE INSTALLATION DETAIL
NOT TO SCALE



SERVICE ASSEMBLY DETAIL
NOT TO SCALE

SEALED BY



COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.00009 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH THE GEOID.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GAS LINE RELOCATIONS

STANDARD GAS DETAILS

CTI PROJECT: K19008–06 (Loudon Utilities Board) TDOT SR–322 Gas Relocation, DRAWING: U5–19 (834045v8/1/15/25 3:34PM), LAYOUT: DETAILS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U6-1

MONROE COUNTY
PIN 102380.02
CCI NO. 01134-0003

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS
ARE BASED ON TDOT R.O.W.
REVISION 07/03/2024.

INDEX OF DRAWINGS

SHT. NUMBER	SHT. NAME
U6-1	SEWER LINE NOTES
U6-2	SEWER LINE RELOCATION
U6-3	SEWER LINE RELOCATION
U6-4	SEWER LINE PROFILE

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	FOOTNOTE
797-01.18	16IN EPOXY COATED DIP FORCE MAIN	LF	1270	1
797-06.68	BORE/JACK 30IN STEEL CASING PIPE-UNCON.	LF	84	2
797-06.94	OPEN CUT 30IN STEEL CASING PIPE	LF	105	3
797-08.01	DI FITTINGS	LB	2400	4
797-09.19	1IN COMBO AIR RELEASE VALVE ASSEMBLY	EA	1	5
797-09.50	CUT AND CAP 16IN FORCE MAIN	EA	2	
797-10.21	CONNECT TO 16IN FORCE MAIN	EA	2	6
797-11.32	RETIRE IN PLACE EXISTING SEWER 15IN-24IN	LF	1250	7
797-11.38	BY-PASS PUMPING	LS	1	8

TDOT FOOTNOTES:

1. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR COMPLETE EXCAVATION INCLUDING BUT NOT LIMITED TO BEDDING, BACKFILLING, THRUST BLOCKING, PIPE FUSION, APPURTENANCES, FLOWABLE FILL, MAINTAINING THE TRENCH, TESTING, CHECK DAMS, AND ANY OTHER LABOR OR MATERIAL REQUIRED TO COMPLETE FOR GRAVITY SEWER LINES OR FORCE MAINS AS SPECIFIED ON THE PLANS. DUCTILE IRON PIPE GRAVITY SEWER LINES SHALL BE EPOXY LINED
2. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO CASING PIPE, PIPE SPACERS, CASING END SEALS, ANY OTHER APPURTENANCE TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS, AND TRAFFIC CONTROL. IF CASING PIPE HAS CARRIER PIPE, THE CARRIER PIPE SHALL BE PAID AT THE OPEN CUT ITEM.
3. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO CASING PIPE, PIPE SPACERS, CASING END SEALS, STONE BACKFILL, TEMPORARY PAVEMENT, AND ANY OTHER APPURTENANCE TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS, AND TRAFFIC CONTROL.
4. INCLUDES FITTINGS, GLANDS AND RESTRAINT DEVICES DESCRIBED IN POUNDS
5. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT, INCLUDING BUT NOT LIMITED TO MACHINERY, TOOLS, OR APPARATUS NECESSARY FOR INSTALLATION OF ASSEMBLIES AS DESCRIBED AND DETAILED IN THE PLANS AND SPECS.
6. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY FOR CONNECTING TO AN EXISTING FORCE MAIN, SEWER LINE, PUMP STATION, OR MANHOLE AS SPECIFIED ON PLANS, INCLUDING TRAFFIC CONTROL.
7. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR RETIRE IN PLACE OR REMOVE ITEMS AS SPECIFIED ON THE BID FORM INCLUDING TRAFFIC CONTROL.
8. INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT FOR INTERNAL OR EXTERNAL POINT REPAIRS AS SPECIFIED ON THE BID FORM.

LEGEND

- PROPOSED CENTERLINE
- PROP/EXIST. R.O.W.
- PROPOSED SEWER LINE
- 12"ST PROPOSED STORM SEWER
- EXIST. PROPERTY LINE
- 8"SA EXIST. SANITARY SEWER
- 8" W EXIST. WATER LINE
- P/T EXIST. POWER LINE
- 3" G EXIST. NATURAL GAS
- EXIST. STORM SEWER
- EXIST. STREAM
- W.M. EXIST. WATER METER
- G.M. EXIST. GAS METER
- MB EXIST. MAILBOX

STANDARD T.D.O.T. UTILITY NOTES

1. EXCEPT FOR EROSION SEDIMENT CONTROL ITEMS, NO ROADWAY OR BRIDGE ITEMS SHALL BE UTILIZED TO COMPENSATE FOR WORK METHODS OR MATERIALS ASSOCIATED WITH AND/OR SPECIFI ED FOR THE UTILITY INSTAL-LATION, EVEN THOUGH THE SAME OR SIMILAR ROADWAY OR BRIDGE MATERIALS MAY HAVE BEEN CALLED FOR IN THE UTILITY SPECIFI CATIONS OR DRAWINGS.

2. ALL MATERIALS, METHODS, AND/OR INTEGRAL MATERIALS OUTLINED IN THE UTILITY SPECIFI CATIONS OR DRAWINGS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION MUST BE INCLUDED IN THE UNIT PRICE FOR THE ASSOCIATED UTILITY WORK ITEM.

3. THE CONTRACTOR MUST MAINTAIN ALL SERVICES DURING THE CONSTRUCTION OF THE RELOCATED FACILITY. ANY COSTS ASSOCIATED WITH INSTALLATION OF REQUIRED TEMPORARY SERVICE LINES DUE TO THE ROADWAY CONSTRUCTION SEQUENCE OF WORK (I.E., CUTS, FI LLS, PHASING, ETC.) SHALL BE INCLUDED IN THE COST OF THE PERMANENT UTILITY ITEMS. (NOTE TO UTILITY: THE UTILITY RELOCATION PLANS SHALL PROVIDE TO THE CONTRACTOR THE UTILITY'S REQUIREMENTS FOR TEMPORARY TIE-INS (INCLUDING NECESSARY TESTING AND STERILIZATION TO ACCOMPLISH THE TIE-IN) AND ALSO ANY RESTRICTIONS FOR TAKING LINES OUT OF SERVICE. IF A TEMPORARY LINE WILL BE A MAJOR ITEM OF WORK, A SPECIFI C TEMPORIZATION PLAN AND ITEM MUST BE INCLUDED IN THE UTILITY'S PLANS.)

4. IT SHALL BE THE RESPONSIBILITY OF THE PRIME CONTRACTOR'S SURVEYOR TO LAY OUT ALL THE FACILITIES BEING RELOCATED WITHIN THE CONTRACT.

5. FOR BURIED UTILITIES, THE PRIME CONTRACTOR OR SUBCONTRACTOR SHALL BE REQUIRED TO PROVIDE TO THE UTILITY UPON COMPLETION OF THE UTILITY'S RELOCATION WORK A SET OF AS-BUILT DRAWINGS FOR THEIR RECORDS. THESE AS-BUILT DRAWINGS SHOULD BE PREPARED AS THE JOB PROGRESSES TO ENSURE THEIR ACCURACY.

6. WHERE EROSION CONTROL MEASURES ARE NEEDED FOR THE UTILITY RELOCATION WORK OCCURRING INSIDE OR OUTSIDE STATE RIGHT-OF-WAY, THE CONTRACTOR SHALL SUBMIT TO THE TDOT PROJECT SUPERVISOR FOR APPROVAL A PROPOSED EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING THE WORK. TDOT APPROVAL MUST BE RECEIVED BEFORE THE EROSION CONTROL PAY ITEMS FOR ROADWAY CONSTRUCTION CAN BE USED FOR ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED FOR THE UTILITY RELOCATION WORK.

7. DRIVEWAY, SIDEWALK AND ROADWAY TEMPORARY RESTORATION SHALL BE PART OF THE IN-PLACE COST OF PLACING THE UTILITY ITEM WITHIN THE ROW.

8. ANY EXCAVATION OF THE STREAM CHANNEL AREA SHALL BE SEPARATED FROM FL OWING WATER AND ACCOM-PLISHED DURING LOW FL OW CONDITIONS. THIS SHALL BE ACCOMPLISHED BY THE USE OF FL UMES, LINED DIVERSION CHANNEL WITH SANDBAG BERM, DIVERSION PIPE WITH SANDBAG DAM AT PIPE INLET, OR IN SOME CASES COFF ERDAMS. ALTERNATIVELY, BASED ON FI ELD CONDITIONS AND CONTRACTOR SELECTION, THE UTILITY RELOCATION MAY BE ACCOMPLISHED USING BORE TECHNOLOGY WITH NO STREAM CHANNEL IMPACTS.

SEWER LINE NOTES

1. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH OWNER'S STANDARD SPECIFICATIONS. IF CONFLICTS ARISE DURING CONSTRUCTION, CONSULT WITH OWNER'S INSPECTOR AS TO NECESSARY FIELD CHANGES. OWNER RESERVES THE RIGHT TO MODIFY THE MATERIAL OR CONSTRUCTION REQUIREMENTS IF SUCH CONFLICTS ARISE.

2. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. CONTRACTOR TO REFERENCE PLANS AND COORDINATE WITH THE UTILITY OWNER TO DETERMINE THE ACTUAL FIELD LOCATION. UTILITIES CAN BE LOCATED BY CALLING THE TENNESSEE ONE CALL SYSTEM, AT 1-800 - 351-1111.

3. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS TO NOTIFY THEM OF WORK IN THE AREA AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY. NOTIFICATION SHALL BE GIVEN AT LEAST THREE BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.

4. PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD THE EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. FURNISH ANY SPECIAL EQUIPMENT REQUIRED TO WORK OVER AND AROUND THE UTILITIES.

5. OWNER REQUIRES 24" OF HORIZONTAL SEPARATION AND 12" OF VERTICAL SEPARATION FROM OTHER UTILITIES IF THEY ARE INSTALLED ALONGSIDE THE SEWER MAINS, AND THEY SHOULD NOT BE CONSTRUCTED IN THE SAME TRENCH.

6. HORIZONTAL SEPARATION BETWEEN WATER AND SANITARY SEWER LINES SHALL BE 10 LF. IF 10 LF OF SEPARATION IS NOT AVAILABLE, THE SEWER SHALL BE INSTALLED UNDERNEATH THE WATER LINE WITH A MINIMUM OF 18" OF SEPARATION BETWEEN THE OUTSIDES OF THE PIPES.

7. NO BUILDINGS, BUILDING FOOTERS, OR OTHER PERMANENT STRUCTURES ARE TO BE CONSTRUCTED WITHIN THE 15 FEET UTILITY EASEMENTS (7.5 FEET EACH SIDE OF INSTALLED LINE).

8. TRENCH DESIGN AND SAFETY FOR PIPELINE CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, AND OSHA REGULATIONS.

9. THE STONE BEDDING AND BACKFILL SHALL BE DONE IN STRICT COMPLIANCE WITH THE PIPE MANUFACTURER'S RECOMMENDATIONS, BUT MUST COMPLY WITH OWNER'S SPECIFICATIONS.

10. UTILITIES SHALL BE INSTALLED AFTER GRADING IS COMPLETED AND APPROVED AND BEFORE ANY PAVEMENT IS INSTALLED.

11. CONTRACTOR SHALL TAKE SPECIAL CARE TO BED, BACKFILL, AND COMPACT PIPE CROSSINGS WHERE A SANITARY SEWER MAIN CROSSES WITH STORM SEWERS. CROSSING SHALL BE CONSTRUCTED WITH A WELL COMPACTED FULL STONE (#57) 6" ENVELOPE SUCH THAT STORM SEWER DOES NOT BEAR DIRECTLY ON SANITARY SEWER MAINS.

12. ALL SANITARY SEWER LINES AND APPURTENANCES SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH OWNER'S STANDARD SEWER SYSTEM SPECIFICATIONS.
13. ALL WORK MUST BE INSPECTED BY OWNER PRIOR TO BACKFILLING.

14. ALL SANITARY SEWER LINES SHALL BE PROTECTO 401 LINED CLASS 350 DIP, (MIN.) UNLESS NOTED OTHERWISE.

15. ANY SANITARY SEWER MAIN OR SERVICE LATERAL THAT DISCHARGES AT A HEIGHT GREATER THAN 1.99 FEET ABOVE THE MANHOLE INVERT REQUIRES A DROP CONNECTION. DROP CONNECTION SHALL BE "INSIDE DROP SYSTEM" BY RELINER OR EQUAL. INSTALLED PER OWNER'S SPECIFICATIONS.

16. ALL SEWER SERVICE LATERALS SHALL BE INSTALLED WITH A MINIMUM 1% SLOPE. CLEANOUTS IN PAVEMENT SHALL HAVE SOLID BRASS, THREADED, TRAFFIC-RATED CAPS. EFFORTS SHOULD BE MADE TO PLACE CLENOUTS IN UNPAVED AREAS WHERE POSSIBLE.

17. ALL 6" CLEANOUT SHALL BE CONNECTED TO THE SERVICE WITH A DOUBLE SWEEP TEE (SDR 26 PVC GPK OR APPROVED EQUAL).

18. ALL SANITARY SEWER LINES SHALL HAVE A MINIMUM OF 36" COVER. UNDER ROADWAYS AND CROSSINGS, SEWER SHALL HAVE A MINIMUM OF 48" COVER AND IF 48" IS NOT AVAILABLE, THEN DUCTILE IRON PIPE MUST BE USED, PROTECTO 401 LINED CLASS 350 (MIN).

19. GRAVITY SEWER PIPE DEFLECTION AND ALIGNMENT SHALL BE CHECKED AFTER BACKFILLING AND COMPACTION ARE COMPLETE AND PRIOR TO PLACING THE MANHOLE BASE. TEST DEFLECTION WITH A MANDREL OR OTHER APPROVED METHOD.

20. PIPE WITH DEFLECTION OF 5% OR GREATER OR WITH UNDUE MISALIGNMENT SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

21. PIPE IS MEASURED IN TERMS OF HORIZONTAL LENGTH COMPLETE IN PLACE, REGARDLESS OF TYPE, DEPTH, CLASS, SHAPE, AND SIZE AS MEASURED ALONG THE CENTERLINE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE (NO DEDUCTIONS FOR STRUCTURES). ACTUAL QUANTITY OF PIPE MAY VARY. THE CONTRACTOR SHALL SUPPLY AND INSTALL THE NECESSARY QUANTITY OF PIPE TO CONSTRUCT THE COMPLETE SYSTEM AS SHOWN. INSTALLATION INCLUDES EXCAVATION, SHORING, FURNISHING, AND INSTALLATION OF PIPES, JOINT MATERIALS, COUPLINGS, AND BACKFILL.

22. A RUBBER BOOT CONNECTOR ("A-LOK" OR APPROVED EQUAL. Z-LOK' OR APPROVED EQUAL REQUIRED IF PIPE SLOPE IS GREATER THAN 10%) SHALL BE FITTED WITHIN EACH PRECAST CONCRETE MANHOLE FOR EACH SANITARY SEWER MAIN OR LATERAL CONNECTING TO A MANHOLE. EACH TAP TO AN EXISTING MANHOLE TO BE MECHANICALLY CORED AND A "KOR-N-SEAL" (OR APPROVED EQUAL) PIPE ENTRANCE SHALL BE PROVIDED.

23. ADJUST TOP OF CASTING (TC) ELEVATIONS (ALL SIDES) FLUSH WITH FINAL GRADES TO MATCH CROSS SLOPES AND LONGITUDINAL SLOPES.

24. INSTALL FITTINGS (FOR SERVICE LATERALS) AS REQUIRED TO AVOID CONFLICTS WITH EXISTING AND PROPOSED UNDERGROUND CONFLICTS AND OBSTRUCTIONS.

25. GROUT INSIDE MANHOLE JOINTS WITH NON-SHRINK GROUT. ALL EXTERIOR JOINTS TO BE WRAPPED WITH BUTYL AND CON-SEAL WRAP, APPLIED WITH PRIMER TO OWNER STANDARDS.

26. BOLT ALL MANHOLE FRAMES TO CONES WITH 4, 3/4" STAINLESS STEEL WEDGE ANCHORS.

27. FOR SEWER PIPES WITH SLOPES GREATER THAN 15% USE CONCRETE PIPE ANCHORS AS SPECIFIED BY THE MANUFACTURER.

28. GRINDER PUMP INSTALLER SHALL OBTAIN EONE RESIDENTIAL GRINDER PUMP STATION INSTALLATION REQUIREMENTS' DRAWING FROM OWNER PRIOR TO CONSTRUCTION.

29. ALL LOW-PRESSURE SEWER SERVICE LATERALS INSTALLED UNDER A PAVED SURFACE SHALL BE SLEEVED.

30. OFFSITE SEWER SHALL BE MARKED WITH GREEN CARSONITE MARKERS EVERY 250 FT.

31. INSTALL LOW PRESSURE FORCE MAIN SEWER LINES AT POSITIVE GRADE BETWEEN DESIGNATES HIGH POINTS AND LOW POINTS TO PREVENT TRAPPING OF AIR.

32. ALL TESTING SHALL BE COMPLETED IN ACCORDANCE WITH THE PROJECT SPECIFIC SPECIFICATIONS OR OWNER'S STANDARD SPECIFICATIONS. REFER TO THE FOLLOWING OWNER STANDARD SPECIFICATION SECTIONS:

A. SECTION 02530: GRAVITY SEWER PIPING, PARAGRAPH 3.16 TESTING
B. SECTION 02531: SEWAGE FORCE MAINS, PARAGRAPH 3.13 TESTING
C. SECTION 02532: SANITARY SEWER MANHOL

UTILITY INFORMATION

UTILITY TITLE	CITY OF MADISONVILLE
ADDRESS	400 COLLEGE STREET MADISONVILLE, TN 37354
CONTACT PERSON	TRACEY GREEN
PHONE	PHONE: (423) 442-9416

CITY OF MADISONVILLE EST. 1820 TENNESSEE

SEWER LINE RELOCATION

BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

SEWER PLANS

SEALED BY

CHRISTOPHER A. CANNON REGISTERED ENGINEER LICENSED PROFESSIONAL ENGINEER No. 121629 STATE OF TENNESSEE 1/16/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

SEWER LINE NOTES

1/16/2026
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TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U6-2

MONROE COUNTY
PIN 102380.02
CCI NO. 01134-0003

B DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024

MATCH LINE STA. 210+00 SEE SHT. NO. 18

MATCH LINE STA. 601+00 SEE SHT. NO. 12

MATCH LINE STA. 612+00 SEE SHT. NO. 14

MATCH LINE STA. 219+00 SEE SHT. NO. 17

MATCH LINE STA. 83+00 SEE SHT. NO. 16

THE TELLICO RESERVOIR DEVELOPMENT AGENCY

PROVIDE 84 L.F. 16" R.J./D.I.P. CARRIER IN 30" ST CASING PIPE (BY JACK & BORE ACROSS EXISTING S.R. 72).

STA. 3+07.26 LINE 'A' PROVIDE (1) 16" M.J. 45° BEND.

STA. 2+70.74 LINE 'A' PROVIDE (1) AIR-RELEASE VALVE.

STA. 2+70.00 LINE 'A' PROVIDE (1) 16" M.J. 45° BEND.

PROVIDE 105 L.F. 16" R.J./D.I.P. CARRIER IN 30" ST CASING PIPE (BY OPEN CUT ACROSS PROPOSED S.R. 322).

PROPOSED 16" FORCE MAIN

STA. 0+53.46 LINE 'A' PROVIDE (1) 16" M.J. 45° BEND.

STA. 0+00 LINE 'A' CONNECT NEW 16" FORCE MAIN TO EXISTING 16" FORCE MAIN W/ (1) 16" M.J. 45° BEND.

STA. 4+55.94 LINE 'A' PROVIDE (1) 16" M.J. 45° BEND.

STA. 5+07.40 LINE 'A' PROVIDE (1) 16" M.J. 45° BEND.

EXIST. 16" SEWER LINE, (TO BE RETIRED).

CUT & CAP EXIST. 16" FORCE MAIN.

EXIST. 16" FORCE MAIN, (TO REMAIN), APPROX. LOCATION.

CONST. ESMT.

AREA TO BE SCARIFED, OBLITERATED, RESHAPED TOPSOILED AND SEEDED

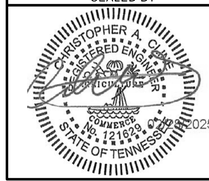
CITY OF MADISONVILLE, TN. EST. 1820

SEWER LINE RELOCATION BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

SEWER PLANS

SEALED BY



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

SEWER LINE 'A' RELOCATION

STA. 601+00 TO STA. 612+00

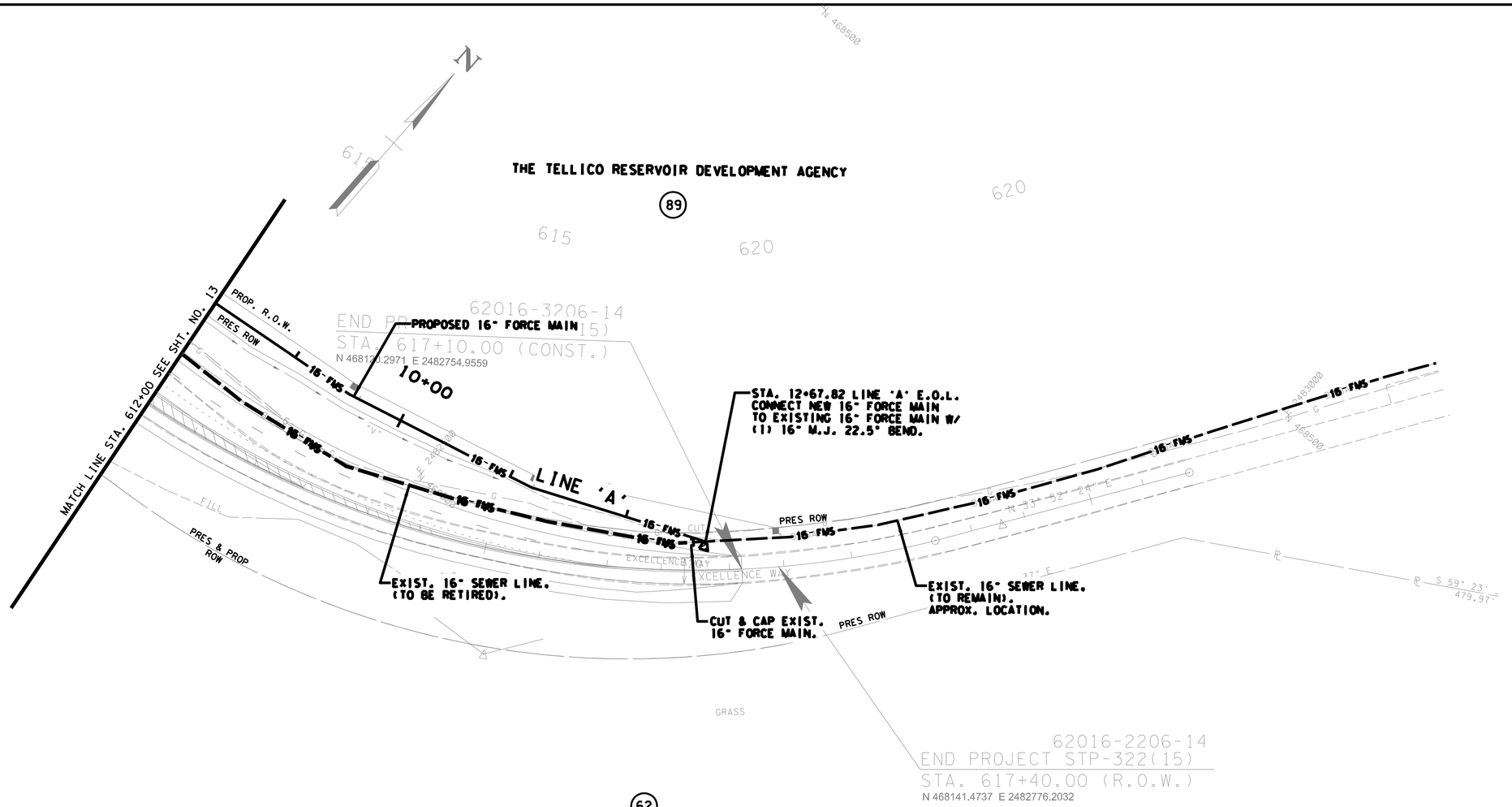
SCALE: 1"=50'

1/16/2026
Z:\01134-0003\03-Drawings\03-Utilities\B Date\013.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U6-3

MONROE COUNTY
PIN 102380.02
CCI NO. 01134-0003

B DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024



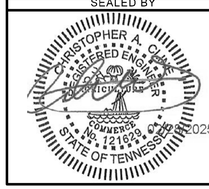
CITY OF MADISONVILLE, TN. EST. 1820

SEWER LINE RELOCATION BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

SEWER PLANS

SEALED BY



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 612+00 TO STA. 619+50

SCALE: 1"=50'

1/16/2026
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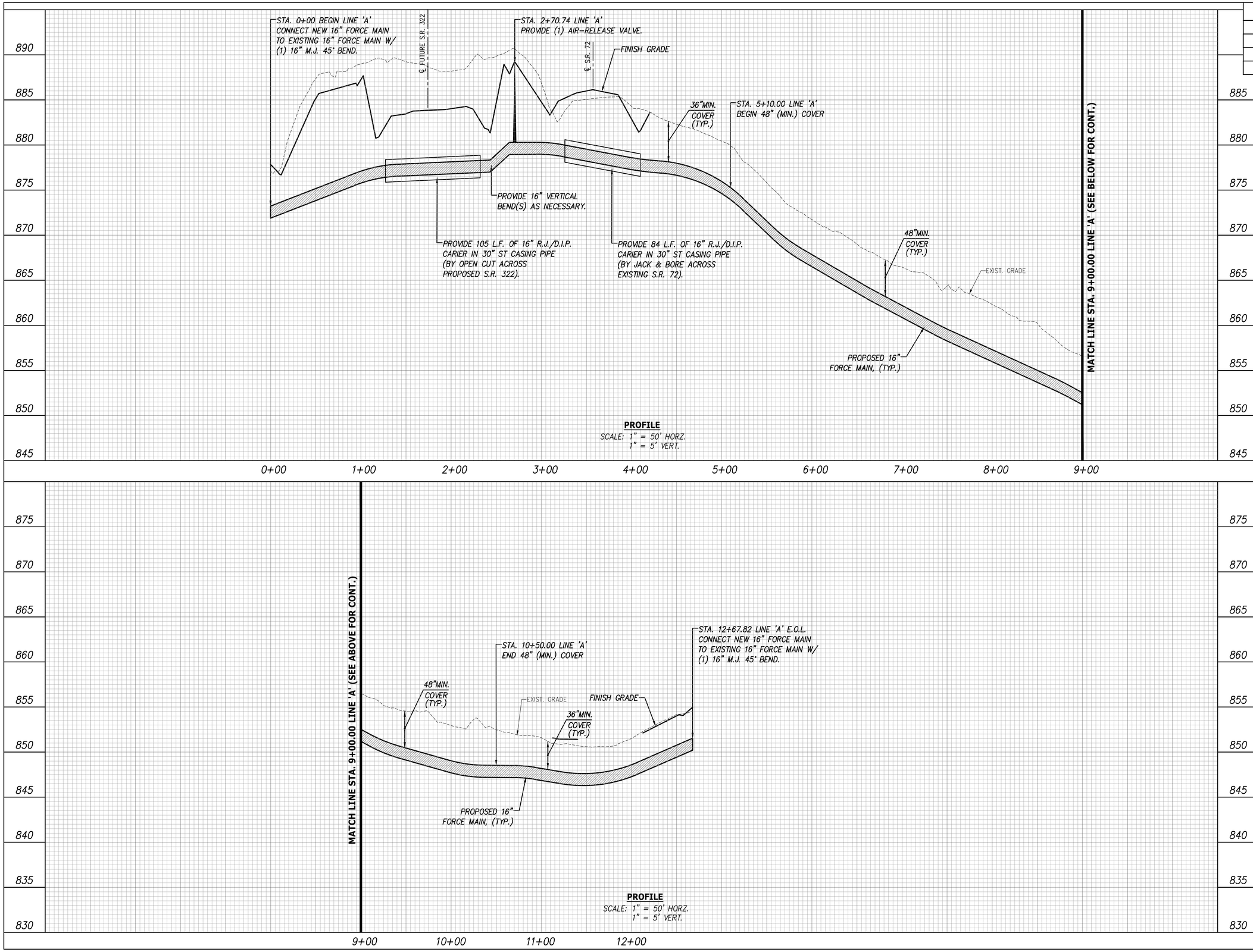
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U6-4

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION DATED 07/03/2024



WATER LINE RELOCATION BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

SEWER PROFILES

SEALED BY

CHRISTOPHER A. CLINE REGISTERED ENGINEER
No. 121629
STATE OF TENNESSEE
2025

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SEWER LINE 'A' RELOCATION

SCALE: AS SHOWN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-1

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

UTILITIES INDEX

SHEET NAME	SHEET NUMBER
ESTIMATED UTILITY QUANTITIES	U7-1
SPECIAL CONDITIONS	U7-2
UTILITY RELOCATION STA. 500+41.07 TO STA. 509+00	U7-4
UTILITY RELOCATION STA. 509+00 TO STA. 522+00	U7-5
UTILITY RELOCATION STA. 522+00 TO STA. 535+00	U7-6
UTILITY RELOCATION STA. 535+00 TO STA. 548+00	U7-7
UTILITY RELOCATION STA. 548+00 TO STA. 557+00	U7-8
UTILITY RELOCATION STA. 557+00 TO STA. 567+00	U7-9
UTILITY RELOCATION STA. 567+00 TO STA. 577+00	U7-10
UTILITY RELOCATION STA. 577+00 TO STA. 590+00	U7-11
UTILITY RELOCATION STA. 590+00 TO STA. 601+00	U7-12
UTILITY RELOCATION STA. 601+00 TO STA. 612+00	U7-13
UTILITY RELOCATION STA. 612+00 TO STA. 619+50	U7-14
UTILITY RELOCATION STA. 64+00 TO STA. 69+40	U7-15
UTILITY RELOCATION STA. 83+00 TO STA. 89+75	U7-16
UTILITY RELOCATION STA. 219+00 TO STA. 225+55	U7-17
UTILITY RELOCATION STA. 202+50 TO STA. 210+00	U7-18
UTILITY RELOCATION STA. 70+45 TO STA. 80+15	U7-19
UTILITY RELOCATION DETAILS	U7-20
UTILITY RELOCATION DETAILS	U7-21
UTILITY RELOCATION DETAILS	U7-22

LEGEND:

- TEMPORARY LOCATION (BLUE)
- EXISTING REMAIN (ORANGE)
- EXISTING TO BE REMOVED OR RETIRED (GREEN)
- NEW INSTALLATION (RED)
- NEW TDS UNDERGROUND CABLE (DIRECT BURIED)
- NEW TDS OVERHEAD LINE
- NEW TDS SERVICE DROP
- EXISTING TDS UNDERGROUND CABLE TO REMAIN
- EXISTING TDS OVERHEAD LINE TO REMAIN
- EXISTING TDS UNDERGROUND CABLE TO BE REMOVED OR RETIRED
- EXISTING TDS OVERHEAD LINE TO BE REMOVED OR RETIRED
- EXISTING TDS POLE TO REMAIN
- EXISTING TDS POLE TO BE REMOVED OR RETIRED
- NEW INSTALLATION OF TDS POLE
- EXISTING TDS GUY WIRE TO REMAIN
- EXISTING TDS GUY WIRE TO BE REMOVED
- NEW INSTALLATION OF TDS GUY WIRE
- EXISTING ELECTRIC UTILITY POLE TO REMAIN
- EXISTING ELECTRIC UTILITY POLE TO BE REMOVED OR RETIRED
- NEW INSTALLATION OF UTILITY POLE
- EXISTING TDS HEAD GUY TO REMAIN
- EXISTING TDS HEAD GUY TO BE REMOVED
- NEW TDS HEAD GUY
- TELE EXISTING TDS PULL BOX TO REMAIN
- TELE EXISTING TDS PULL BOX TO BE REMOVED OR RETIRED
- TELE NEW INSTALLATION OF TDS PULL BOX
- NEW INSTALLATION OF TDS MANHOLE
- NEW INSTALLATION OF TDS HANDHOLE

ESTIMATED UTILITY QUANTITIES

				Project No. 1: 78008-3264-94			
ITEM NO.	DESCRIPTION	TDS UNIT	UNIT	QUANTITY	% Utility Betterment	%Project Public	%Project Private
793-11.19	MARKER POST	BM53	EACH	1		83.00%	17.00%
1 793-01.40	ANCHOR 5/8 IN	PF1-5	EACH	7		83.00%	17.00%
2 793-02.08	GUY WIRE 10M OR 3/8IN	PE1-3G	EACH	7		83.00%	17.00%
793-02.99	INSTALL GUY GUARD	PM11	EACH	7		83.00%	17.00%
793-02.94	OVERHEAD GUY WIRE	PE2-3G	EACH	1		83.00%	17.00%
793-03.01	25 PAIR GROUP AERIAL SPLICE	HC1	EACH	4		83.00%	17.00%
793-07.25	SINGLE FIBER OPTIC CABLE SPLICE	HO-1	EACH	96		83.00%	17.00%
3 793-03.03	10M STRAND	CW50-24(10M)	L.F.	463		83.00%	17.00%
793-03.40	INSTALL STRAND BOND	PM2A	EACH	2		83.00%	17.00%
793-07.73	FIBER(48) AERIAL PRESSURED SPLICE CLOSURE	HAFO(OFDC-C12)	EACH	1		83.00%	17.00%
793-03.03	10M STRAND	CO(48)10M	L.F.	481		83.00%	17.00%
793-07.23	FIBER OPTIC MAINENANCE LOOP	CO(48)MO	EACH	100		83.00%	17.00%
790-74.26	FIBER OPTIC MAINTENANCE LOOP	BFO(48)MO	L.F.	100		83.00%	17.00%
14 793-14.22	UNDERGROUND CABLE	BFOI(48)	L.F.	82		83.00%	17.00%
3 793-03.12	50 PAIR CABLE	CW50-24(10M)	L.F.	681		83.00%	17.00%
4 793-04.07	AERIAL SPLICE CLOSURE	HAC(50-24)	EACH	3		83.00%	17.00%
5 793-07.04	48 FIBER (MATERIAL ONLY)	CO48E	L.F.	445		83.00%	17.00%
6 793-07.16	12-96 FIBER (INSTALLATION ONLY)	CO48E	L.F.	245		83.00%	17.00%
7 793-07.23	FIBER OPTIC MAINTENANCE LOOP	FOSB(A)(100)	EACH	2		83.00%	17.00%
793-11.32	ENTER EXISTING HANDHOLE	WBH	EACH	1		83.00%	17.00%
793-03.40	INSTALL STRAND BOND	PM2A	EACH	7		83.00%	17.00%
13 793-04.01	RELASH/DELASH CABLE	WC	L.F.	345		83.00%	17.00%
12 793-15.01	TRANSFER CABLE ATTACHMENT	WC2	EACH	2		83.00%	17.00%
793-01.99	INSTALL POLE NUMBER	PM52	EACH	5		83.00%	17.00%
793-04.12	UNDERGROUND SPLICE CLOSURE	HBFO(OFDC-C12)	EACH	1		83.00%	17.00%
793-14.26	UNDERGROUND TO OVERHEAD RISER	BM82	EACH	1		83.00%	17.00%
9 793-14.12	1 1/4IN INNERDUCT	BFOV(1)(1.25")PP	L.F.	52		83.00%	17.00%
793-16.45	DIRECTIONAL BORE 1.25IN/FLEX SLEEVE	BM60(1.25")	L.F.	52		83.00%	17.00%
793-98.07	REMOVE UNDERGROUND TO OVERHEAD RISER	XXBM82	EACH	1		83.00%	17.00%
793-98.01	REMOVE AERIAL CABLE AND WIRE	XXC(UP TO 200 PAIR)	L.F.	1254		83.00%	17.00%
11 793-98.05	RETIRE BURIED FACILITIES IN PLACE	XXBFO(48)	L.F.	1041		83.00%	17.00%
793-98.09	REMOVE DOWN GUY	XXPF	EACH	3		83.00%	17.00%
793-98.08	REMOVE ANCHOR (ANY SIZE)	XXPE	EACH	4		83.00%	17.00%

FOOTNOTES:

1 NCLUDES ALL MATERIALS, LABOR, EQUIPMENT FOR COMPLETE INSTALLATION INCLUDING BUT NOT LIMITED TO

2 INCLUDES SETUP, TRAFFIC CONTROL, GUY WIRE, GUARD, BONDING/GROUNDING AND POLE HARDWARE

3 INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO TRAFFIC CONTROL,

4 INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL,

5 INCLUDES ALL MATERIALS AND EQUIPMENT INCLUDING BUT NOT LIMITED TO MOUNTING HARDWARE,

6 NCLUDES ALL LABOR INCLUDING TRAFFIC CONTROL AND SETUP, REMOVAL OF LID AND COLLARS, BACKFILL WITH

7 INCLUDES DELASHING AND RELASHING ACCOMPLISHING THE PLACEMENT/RELOCATION OF THE FIBER LOOP, INCLUDES

8 INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SPACERS, COUPLINGS, BENDS, OPENING TRENCH, BACKFILL PER SPECS, SURFACE RESTORATION OF ALL CROSSINGS TO TDOT STANDARDS,

9 INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL,

10 REMOVE AERIAL CABLE AND WIRE

11 RETIRE BURIED FACILITIES IN PLACE

12 TRANSFER CABLE ATTACHMENTS ON THE POLE LINE INCLUDING ALL HARDWARE AND TRAFFIC CONTROL

13 NCLUDES REMOVING BONDING AND GROUNDING, REMOVING STRAND

14 PULLING IN UNDERGROUND CABLE, INCLUDES SETUP, TRAFFIC CONTROL, LABOR AND MATERIALS.

GENERAL NOTES:

1. ALL PLACEMENT OF DUCT BANKS & DIRECT BURIED CABLES TO BE AT 36" DEPTH TO FINAL GRADE IN CUTS. 36" DEPTH TO CURRENT GRADE IN FILLS.
2. FOR DIRECT BURIED CABLES AT TELEPHONE PEDESTALS, LOOP CABLES 5' ABOVE GROUND LEVEL. DO NOT PLACE IN HAND HOLES UNLESS NOTED.
3. PROVIDE CABLE MARKERS EVERY 500' AND IN-LINE OF SIGHT FROM EACH MARKER. ADD MARKERS AT ALL ROAD CROSSINGS.
4. RETURN TO TDS EXISTING MANHOLE FRAME/COVERS REMOVED. BACKFILL MANHOLES ACCORDING TO T.D.O.T. REQUIREMENTS.
5. COORDINATE CROSSINGS WITH EXISTING AND PROPOSED UTILITIES TO SET FINAL GRADE FOR DUCT BANKS.
6. GROUND BED LOCATIONS AS DIRECTED BY TDS AS NEEDED
7. SURVEY INFORMATION IN THESE DRAWINGS ARE FROM OTHERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES. ANY UTILITIES NOT SHOWN ON THESE DRAWINGS ARE ALSO THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO, AND FOR PROTECTION OF ALL EXISTING UTILITIES.

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Derick Williams 1/16/2026

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

ESTIMATED UTILITY QUANTITIES

SCALE: N.T.S.

1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-1.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-2

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

TDS SPECIAL CONDITIONS AND ADDITIONAL BREAKDOWN OF TIME

IF ALL OTHER SECTIONS OF TDS WORK ARE READY AT THE SAME TIME, THEN 241 DAYS ARE NEEDED TO COMPLETE THE PROJECT. TO HELP KEEP THE PROJECT MOVING FORWARD, TDS AGREES TO WORK SECTIONS OF PLACEMENT AND CUTOVER AS THEY BECOME AVAILABLE AS LONG AS THEY CAN LOGISTICALLY BE WORKED, AND DO NOT PLACE ADDITIONAL COSTS ON TDS OR CAUSE ANY SAFETY CONCERNS. TDS ALSO AGREES TO EVALUATE AND WORK WITH THE STATE CONTRACTOR IF THERE ARE TEMPORARY RELOCATIONS THAT ARE NEEDED. THESE TEMPORARY RELOCATIONS WILL HAVE THEIR OWN SCHEDULE OF CALENDAR DAYS AND MAY BE 1OO% REIMBURSABLE IN ADDITION TO ANY CHAPTER 86 REIMBURSEMENTS.

BY BREAKING IT DOWN INTO SECTIONS, EACH SECTION HAS ITS OWN MOBILIZATION AND MATERIAL ORDERING TIME. THE SPECIAL CONDITIONS APPLY TO EACH SECTION INDIVIDUALLY; HOWEVER, ADDITIONAL CLARIFICATION WILL BE INCLUDED IN EACH SECTION.

THE CONSTRUCTION SCHEDULE LISTED INCLUDES STANDARD MATERIAL ORDERING INTERVALS, PROJECTED WORKLOADS AT THE TIME OF CONSTRUCTION, ESTIMATED WORK CONTENT, AND LIMITED DELAYS DUE TO WEATHER OR CUSTOMER RELEASES FOR SCHEDULED SERVICE INTERRUPTIONS. COMPLETION OF WORK IS ALSO CONTINGENT ON NATIONAL OR STATE EMERGENCY ORDERS WHICH CAN RESTRICT TELECOMMUNICATIONS WORK.

THE CONSTRUCTION SCHEDULE LISTED CANNOT BE IMPLEMENTED UNTIL TDS HAS BEEN NOTIFIED IN WRITING BY TDOT AND/OR THE STATE CONTRACTOR THAT ALL TDS ITEMS INCLUDED IN THE STATE CONTRACT HAVE BEEN PLACED, ALL POWER COMPANY POLES HAVE BEEN SET, AND ALL OTHER OVERHEAD UTILITIES HAVE BEEN TRANSFERRED DUE TO SAFETY REGULATIONS AND POTENTIAL CONSTRUCTION CONFLICTS.

ALL SCHEDULES/SECTIONS ARE BASED ON TDS BEING ABLE TO GET APPROVAL FROM TDOT FOR USE OF THE DIMINIMIS FOR THOSE ITEMS THAT CANNOT BE OBTAINED USING FHWA/BUY AMERICA APPROVED STEEL. ANY DELAYS ON APPROVAL OF THESE ITEMS WILL CAUSE AN EQUAL DELAY ON TDS SCHEDULE.

ANY CHANGES THAT THE STATE'S CONTRACTOR MAKES TO THE PLANS PROVIDED TO THEM BY TDOT MAY CAUSE A REDESIGN TO TDS PLANS. TDS WILL REQUIRE TIME TO EVALUATE AND MAKE CHANGES IF NECESSARY. THESE CHANGES WILL HAVE TO BE APPROVED BY TDOT THROUGH A FORMAL STAMPED REDESIGN AND WILL REQUIRE ADDITIONAL TIME ON THE SCHEDULE. TDS TIME WILL NOT START UNTIL AFTER THE DESIGN CHANGES AND ALL OTHER SPECIAL CONDITIONS HAVE BEEN APPROVED/COMPLETED.

GENERAL NOTES

1. COMPENSATE FOR WORK METHODS OR MATERIALS ASSOCIATED WITH AND/OR SPECIFIED FOR THE UTILITY INSTALLATION, EVEN THOUGH THE SAME OR SIMILAR ROADWAY OR BRIDGE MATERIALS MAY HAVE BEEN CALLED FOR IN THE UTILITY SPECIFICATIONS OR DRAWINGS.
2. ALL MATERIALS, METHODS, AND/OR INTEGRAL MATERIALS OUTLINED IN THE UTILITY SPECIFICATIONS OR DRAWINGS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION MUST BE INCLUDED IN THE UNIT PRICE FOR THE ASSOCIATED UTILITY WORK ITEM.
3. THE CONTRACTOR MUST MAINTAIN ALL SERVICES DURING THE CONSTRUCTION OF THE RELOCATED FACILITY. ANY COSTS ASSOCIATED WITH INSTALLATION OF REQUIRED TEMPORARY SERVICE LINES DUE TO THE ROADWAY CONSTRUCTION SEQUENCE OF WORK (I.E., CUTS, FILLS, PHASING, ETC.) SHALL BE INCLUDED IN THE COST OF THE PERMANENT UTILITY ITEMS. (NOTE TO UTILITY: THE UTILITY RELOCATION PLANS SHALL PROVIDE TO THE CONTRACTOR THE UTILITY'S REQUIREMENTS FOR TEMPORARY TIE-INS (INCLUDING NECESSARY TESTING AND STERILIZATION TO ACCOMPLISH THE TIE-IN) AND ALSO ANY RESTRICTIONS FOR TAKING LINES OUT OF SERVICE.
4. IT SHALL BE THE RESPONSIBILITY OF THE PRIME CONTRACTOR'S SURVEYOR TO LAY OUT ALL THE FACILITIES BEING RELOCATED WITHIN THE CONTRACT.
5. FOR BURIED UTILITIES, THE PRIME CONTRACTOR OR SUBCONTRACTOR SHALL BE REQUIRED TO PROVIDE TO THE UTILITY UPON COMPLETION OF THE UTILITY'S RELOCATION WORK A SET OF AS-BUILT DRAWINGS FOR THEIR RECORDS. THESE AS-BUILT DRAWINGS SHOULD BE PREPARED AS THE JOB PROGRESSES TO ENSURE THEIR ACCURACY.
6. WHERE EROSION CONTROL MEASURES ARE NEEDED FOR THE UTILITY RELOCATION WORK OCCURRING INSIDE OR OUTSIDE STATE RIGHT-OF-WAY, THE CONTRACTOR SHALL SUBMIT TO THE TDOT PROJECT SUPERVISOR FOR APPROVAL A PROPOSED EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING THE WORK. TDOT APPROVAL MUST BE RECEIVED BEFORE THE EROSION CONTROL PAY ITEMS FOR ROADWAY CONSTRUCTION CAN BE USED FOR ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED FOR THE UTILITY RELOCATION WORK.
7. DRIVEWAY, SIDEWALK AND ROADWAY TEMPORARY RESTORATION SHALL BE PART OF THE IN-PLACE COST OF PLACING THE UTILITY ITEM WITHIN THE ROW.

PREFERRED CONTRACTORS:
1.CENTERLINE COMMUNICATIONS, LLC
2. MNJ CONSTRUCTION
3. GLOBAL COMMUNICATIONS
4. STAR CONSTRUCTION, LLC

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL CONDITIONS

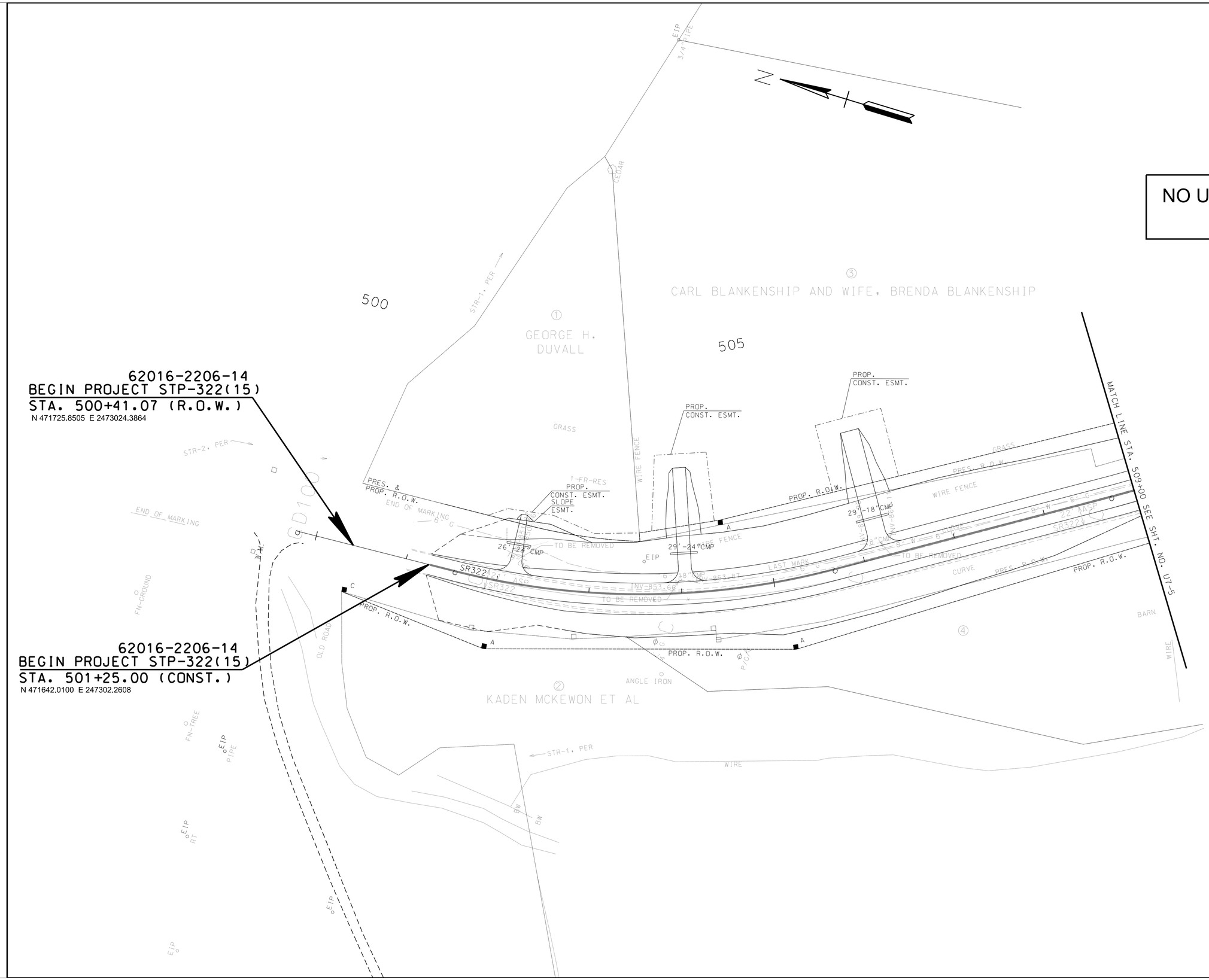
SCALE: N.T.S.

1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-2.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-4

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

NO UTILITY RELOCATIONS
THIS SHEET



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

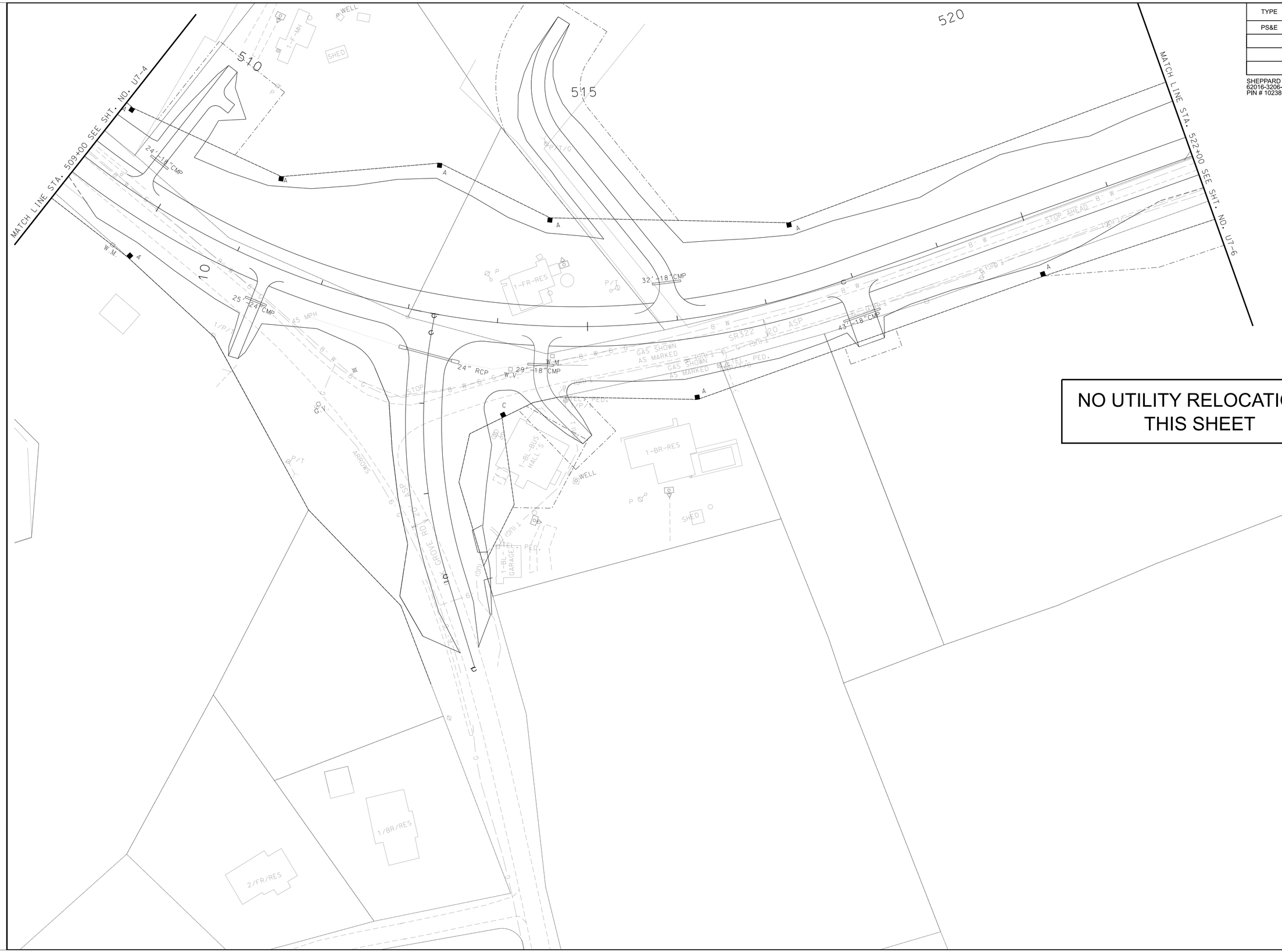
STA. 500+41.07 TO STA. 509+00.00

SCALE: 1"= 50'

1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-4.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-5

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



NO UTILITY RELOCATIONS
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STATE OF TENNESSEE
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PROPOSED LAYOUT

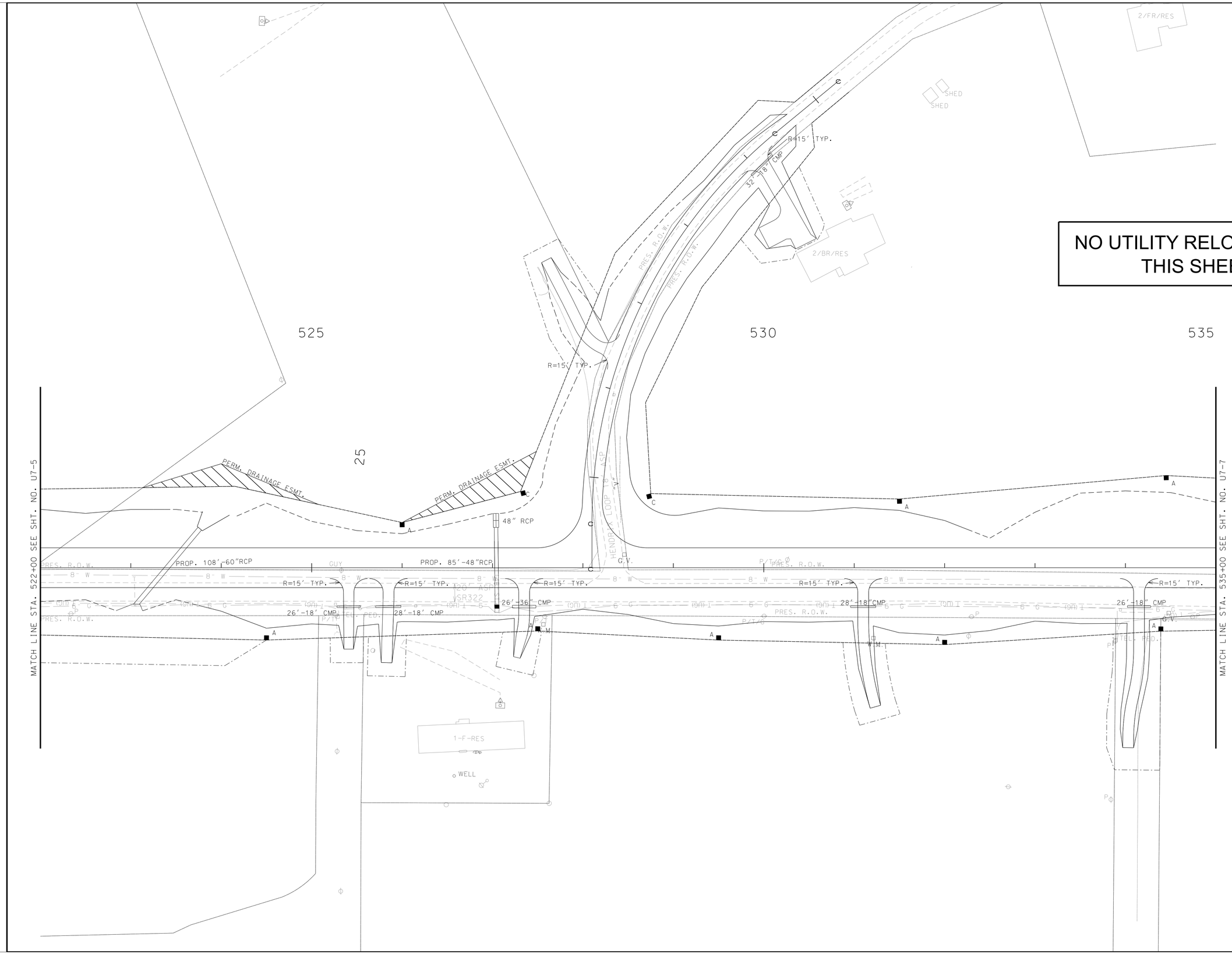
STA. 509+00 TO STA. 522+00

SCALE: 1"= 50'

1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-5.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-6

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



NO UTILITY RELOCATIONS THIS SHEET

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 522+00 TO STA. 535+00

SCALE: 1"= 50'

1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-6.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-7

SHEPPARD ROAD TO SR-72 MONROE
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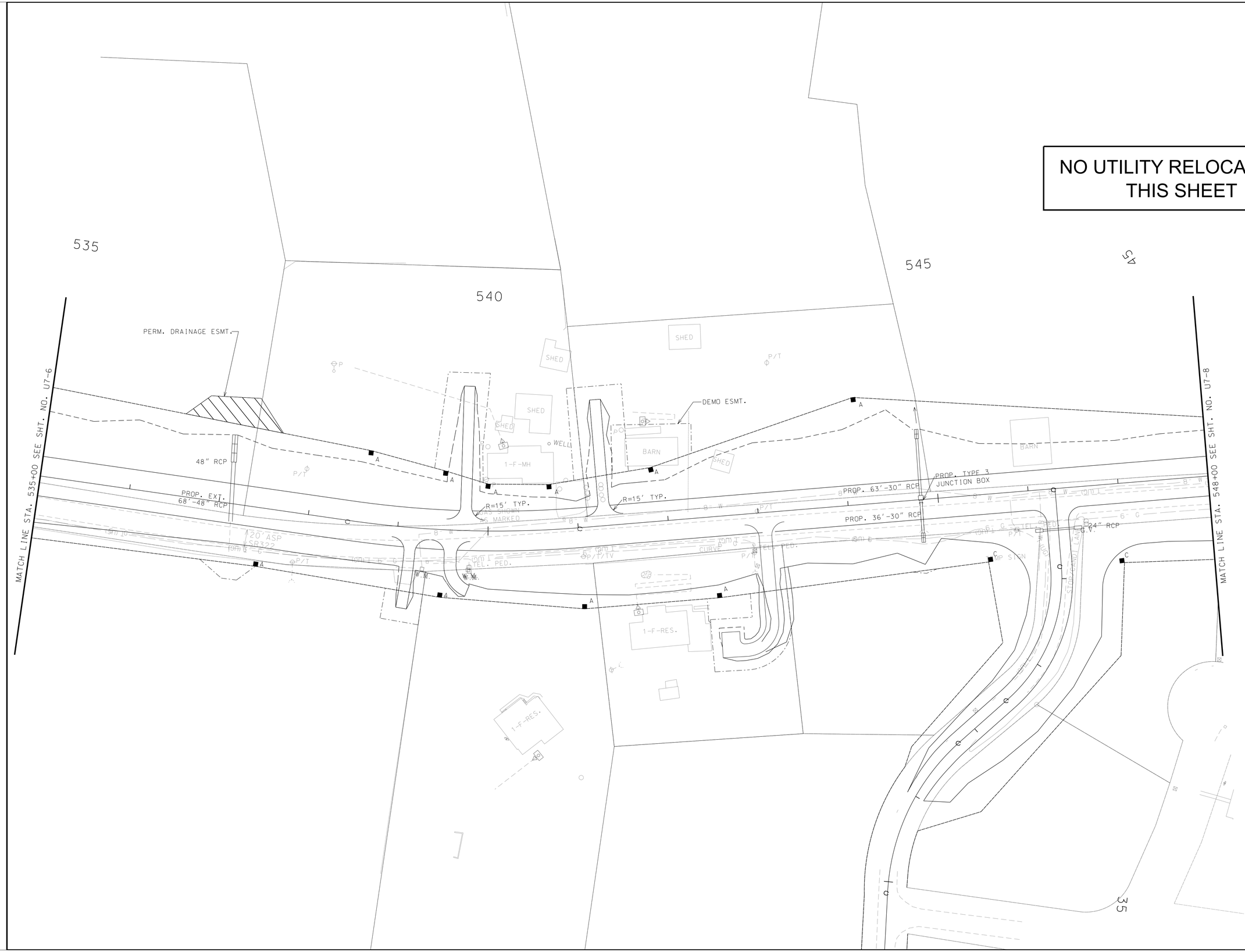
NO UTILITY RELOCATIONS THIS SHEET



1/16/2026
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STATE OF TENNESSEE
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PROPOSED LAYOUT

STA. 535+00 TO STA. 548+00

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-8

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
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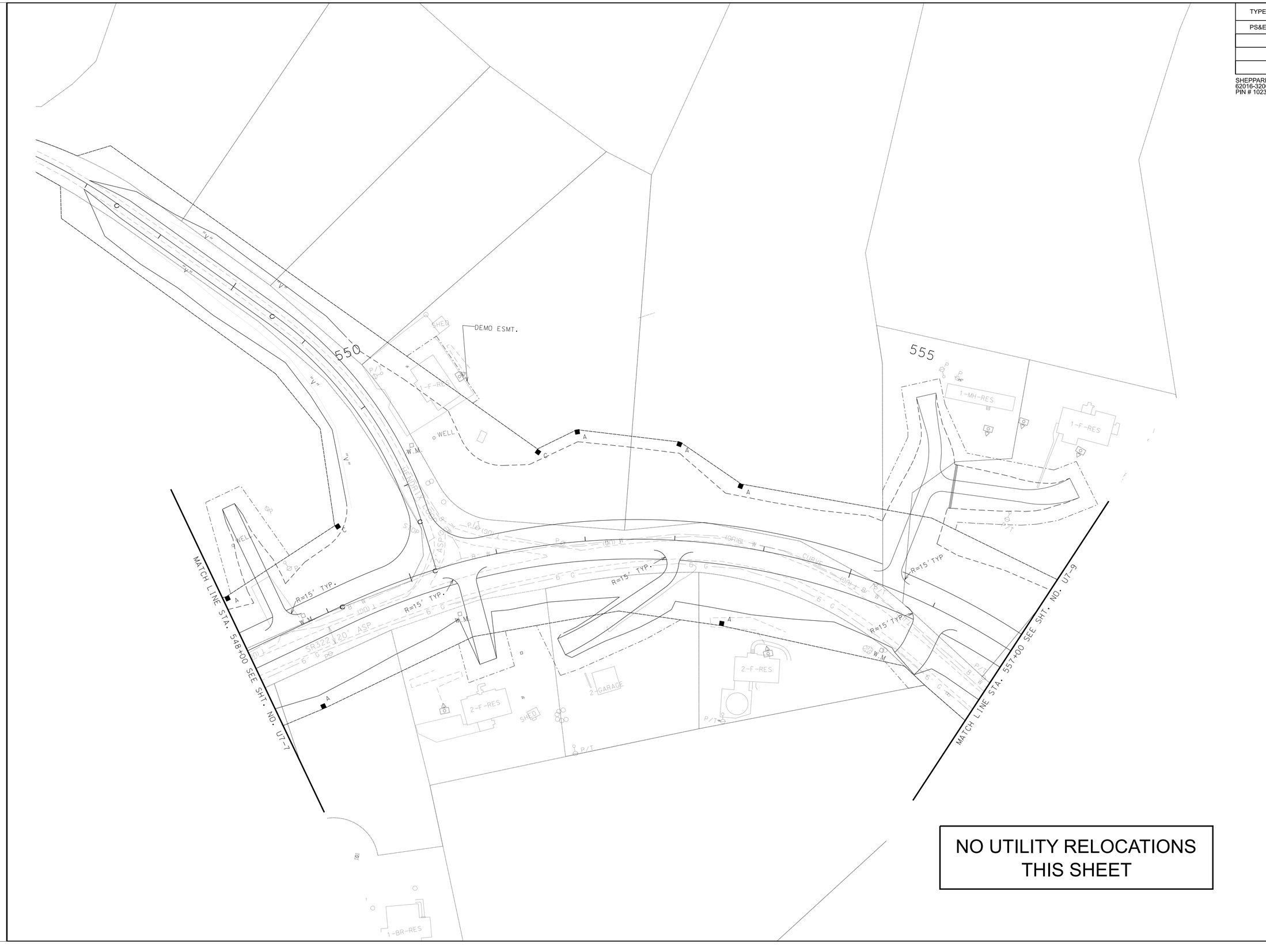

NO UTILITY RELOCATIONS
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 548+00 TO STA. 557+00

SCALE: 1"= 50'

1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-8.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-9

SHEPPARD ROAD TO SR-72 MONROE
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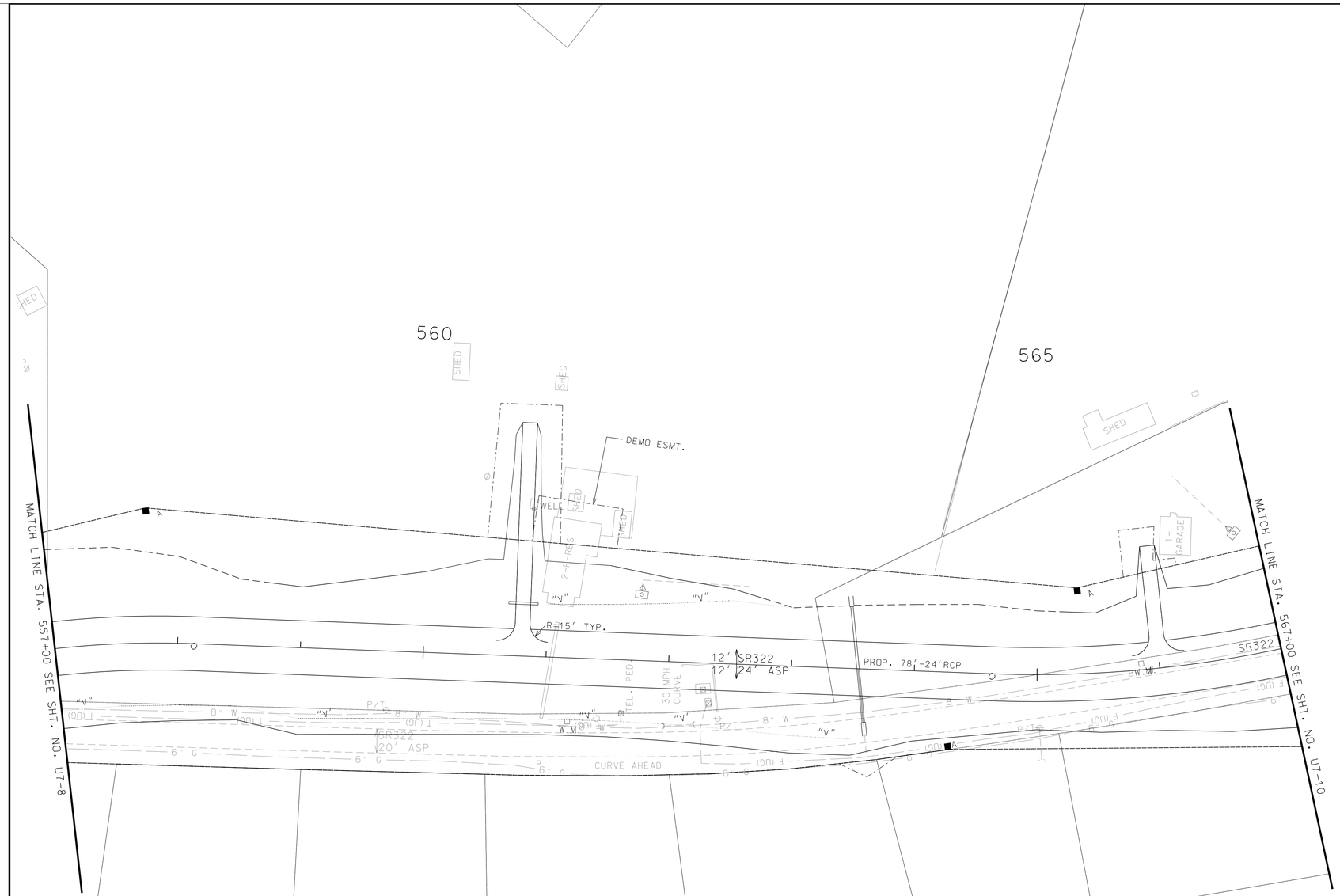

1/16/2026
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

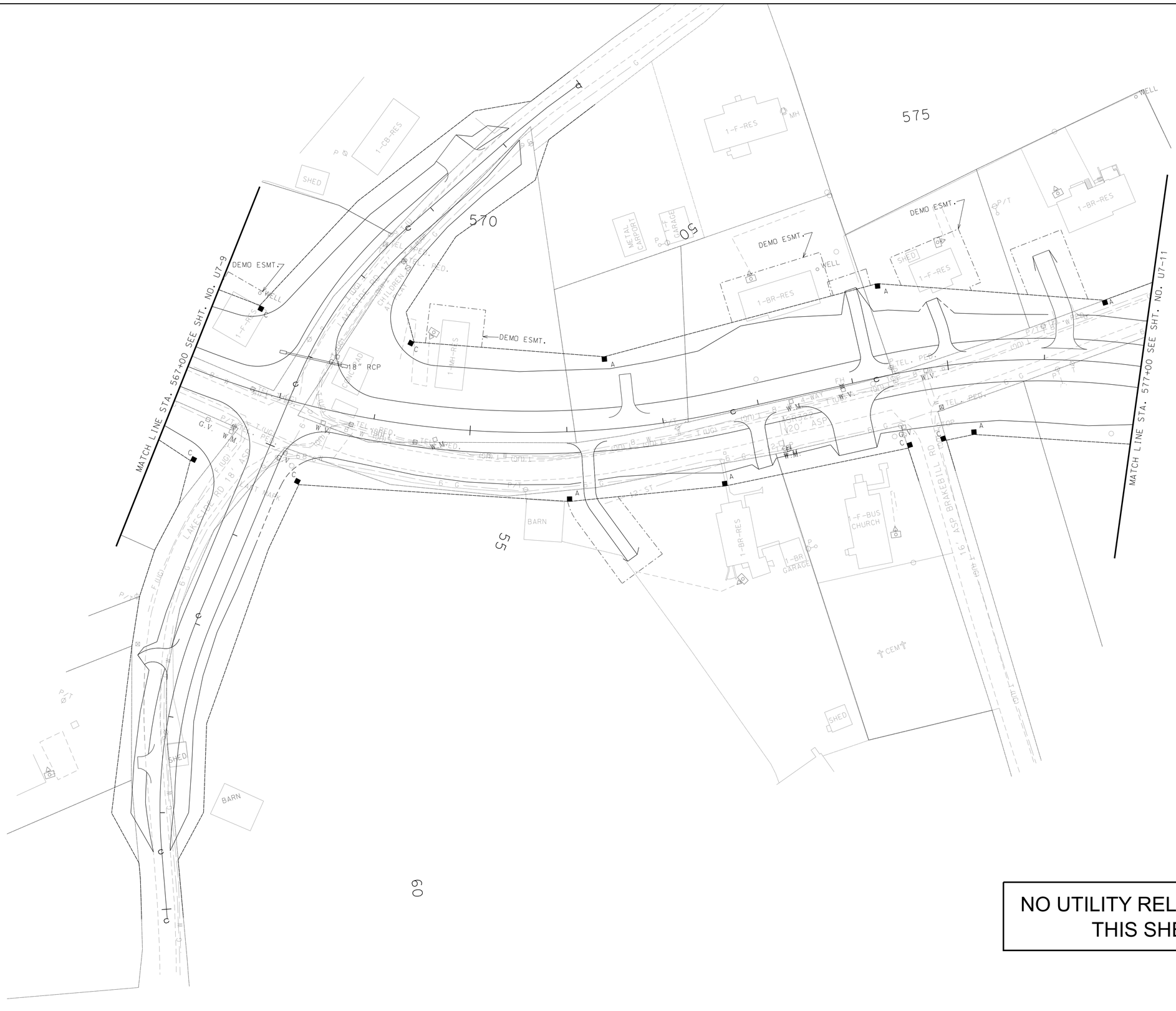
PROPOSED LAYOUT

STA. 557+00 TO STA. 567+00

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-10

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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Derick Williams
1/16/2026

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 567+00 TO STA. 577+00

SCALE: 1"= 50'

1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-10.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-11

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

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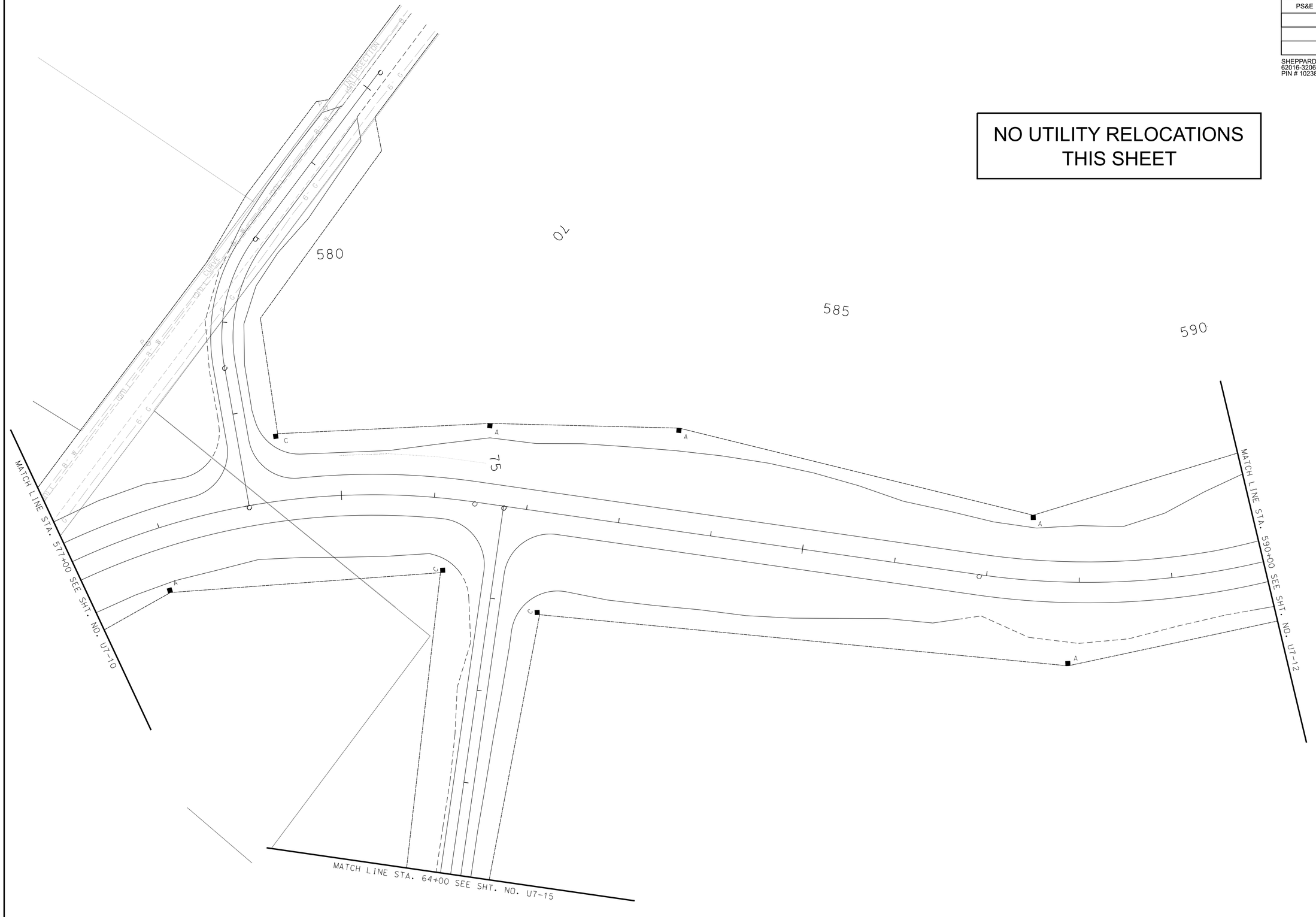

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

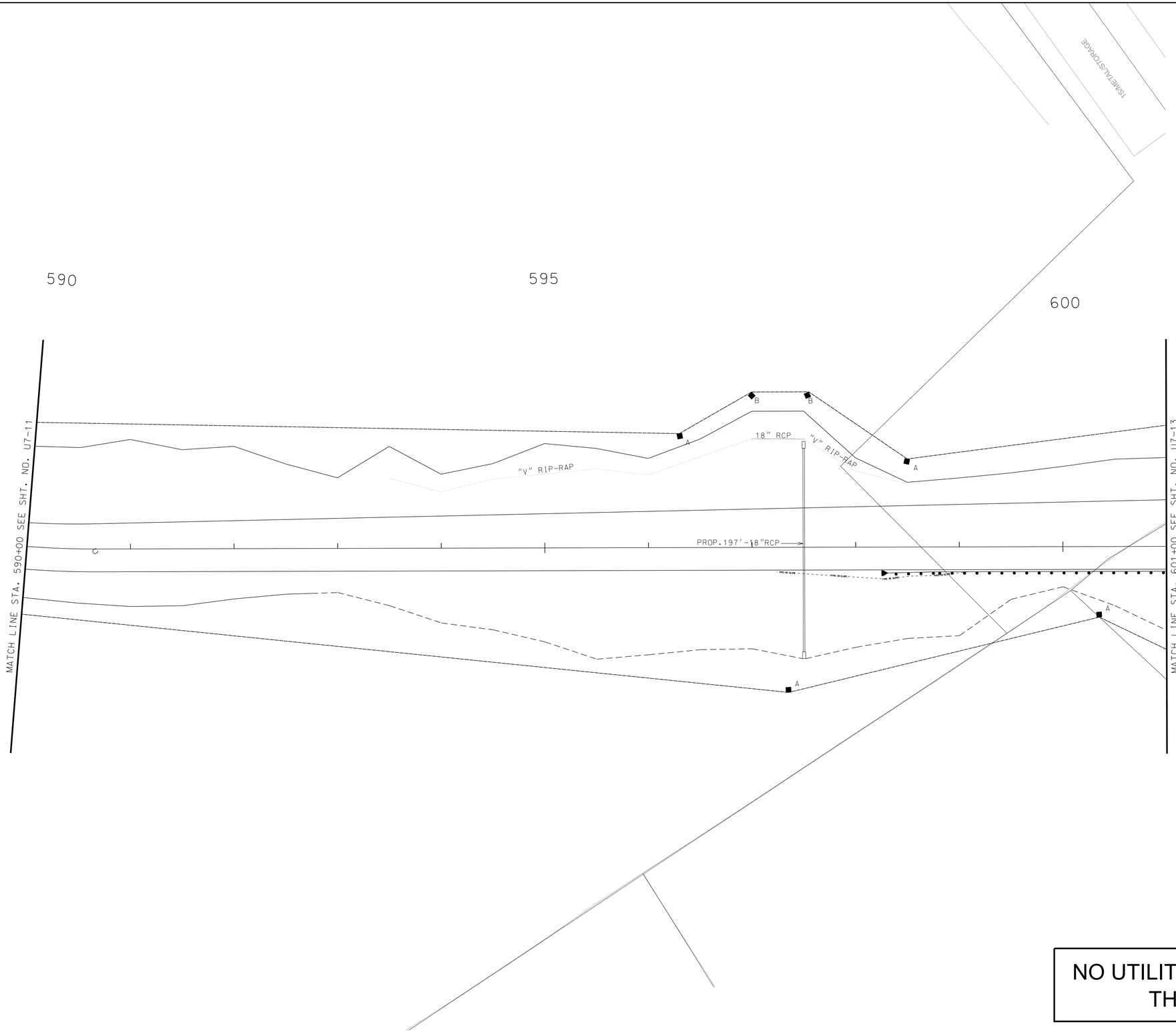
STA. 577+00 TO STA. 590+00

SCALE: 1"= 50'

1/16/2026
Z:\101520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-11.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-12

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

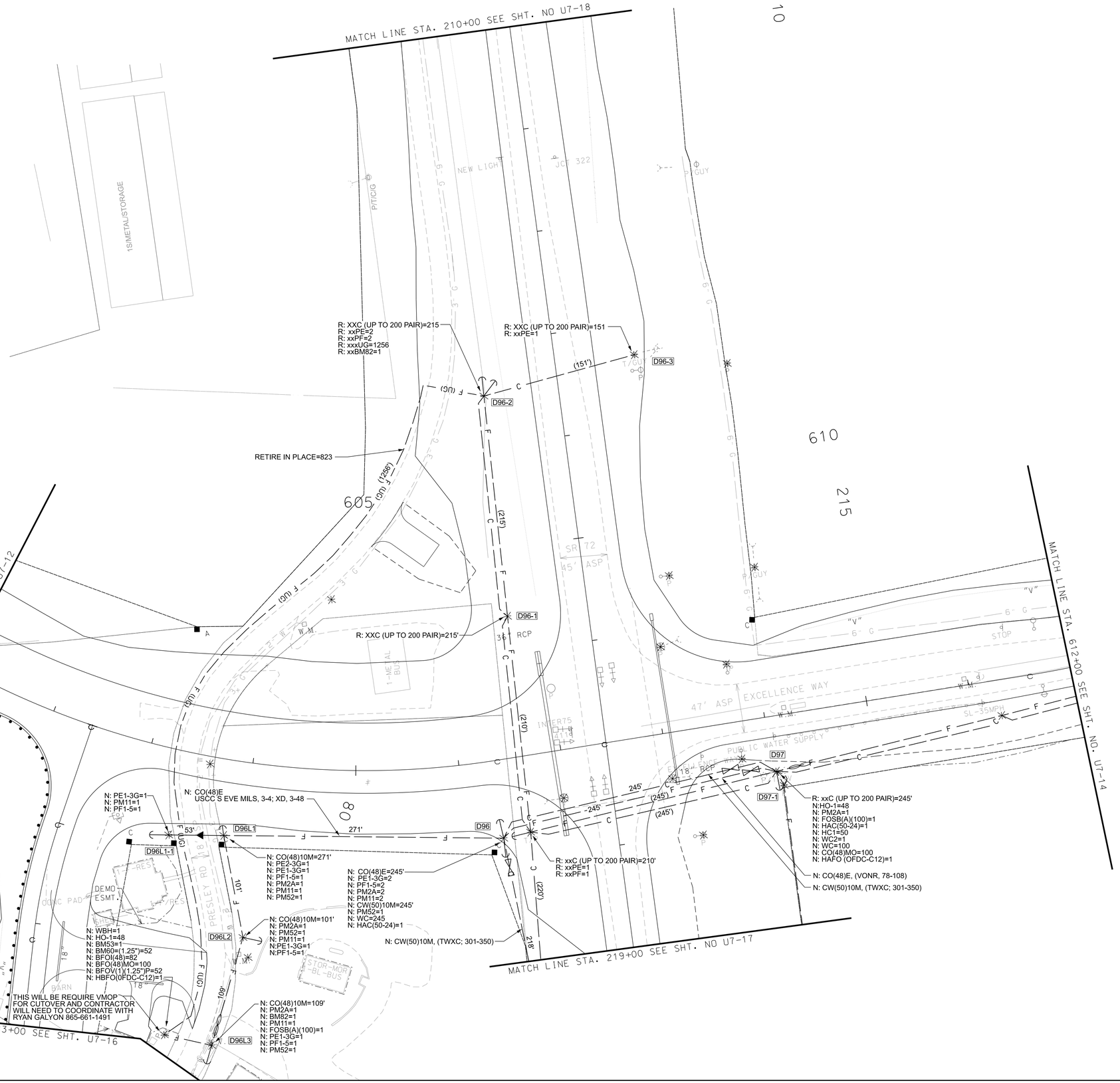
STA. 590+00 TO STA. 601+00

SCALE: 1"= 50'

1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-12.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-13

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



1/16/2026
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(1/6/2026)

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 601+00 TO STA. 612+00

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-14

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

NO UTILITY RELOCATIONS
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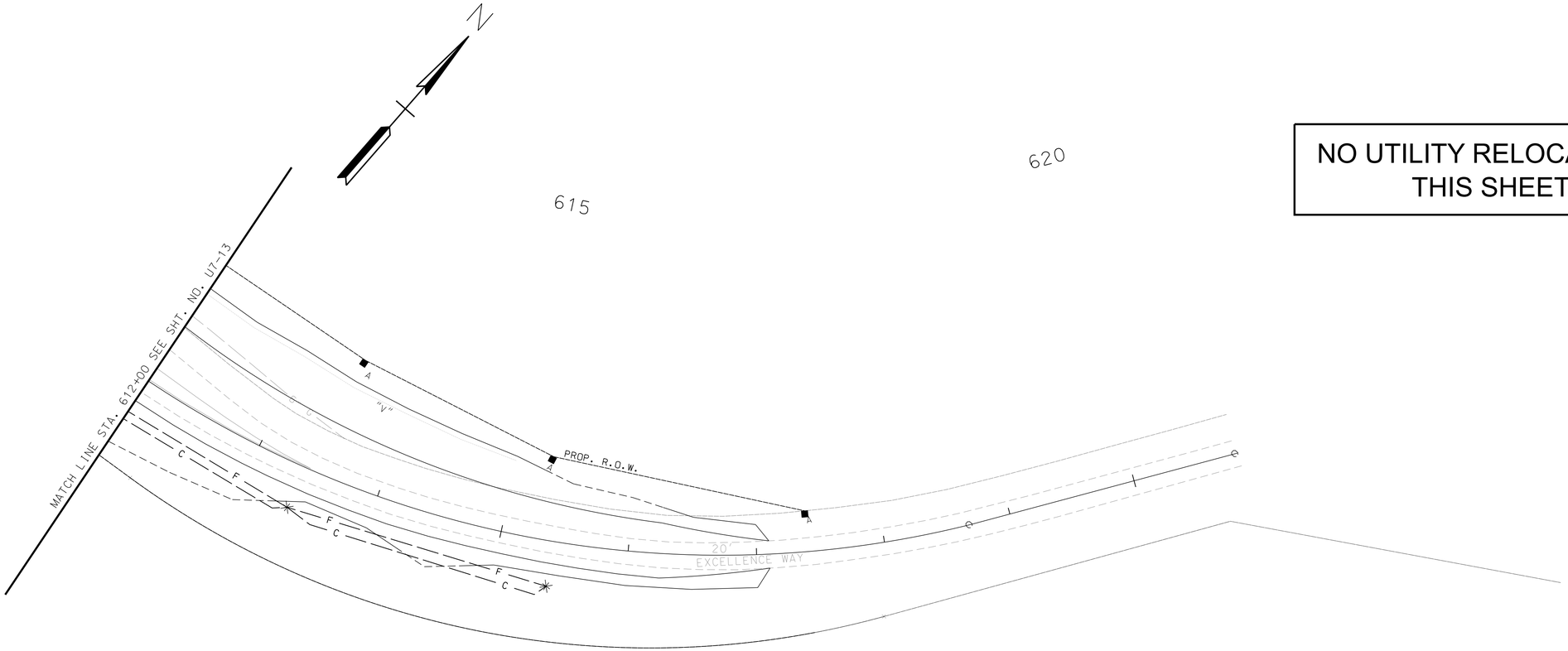

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1/16/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 612+00 TO STA. 619+50

SCALE: 1"= 50'

1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-14.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-15

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

NO UTILITY RELOCATIONS
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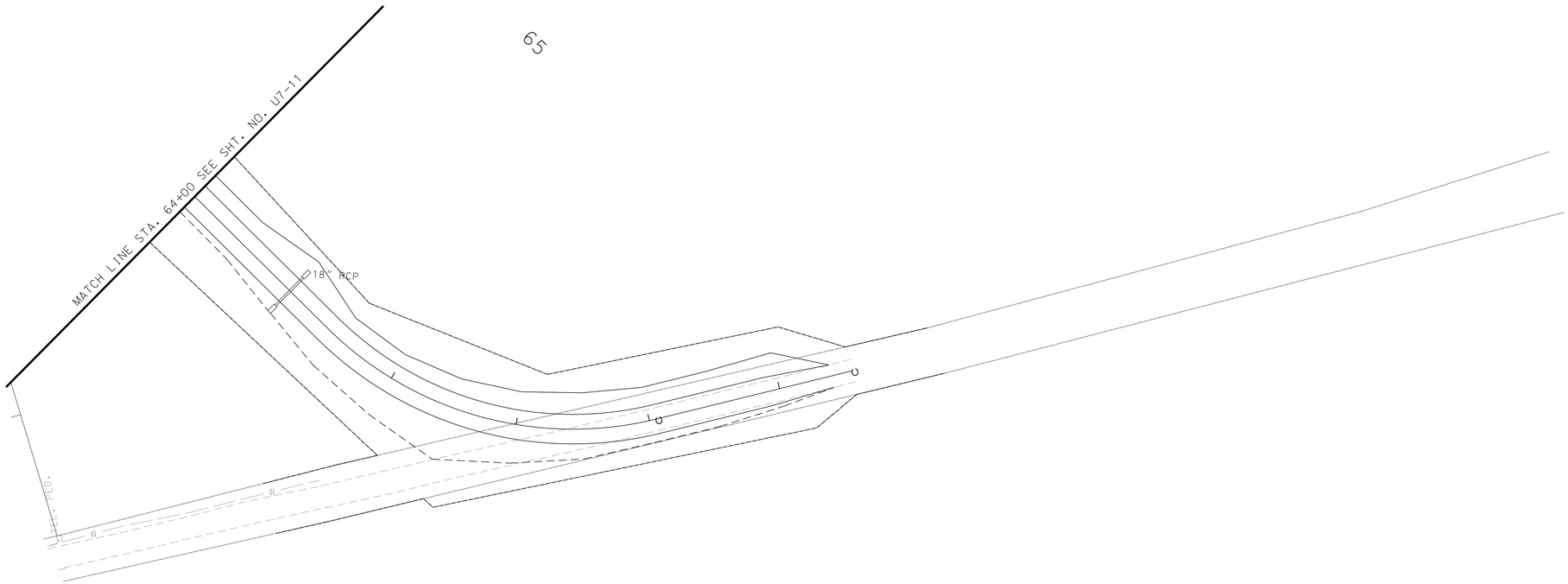

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

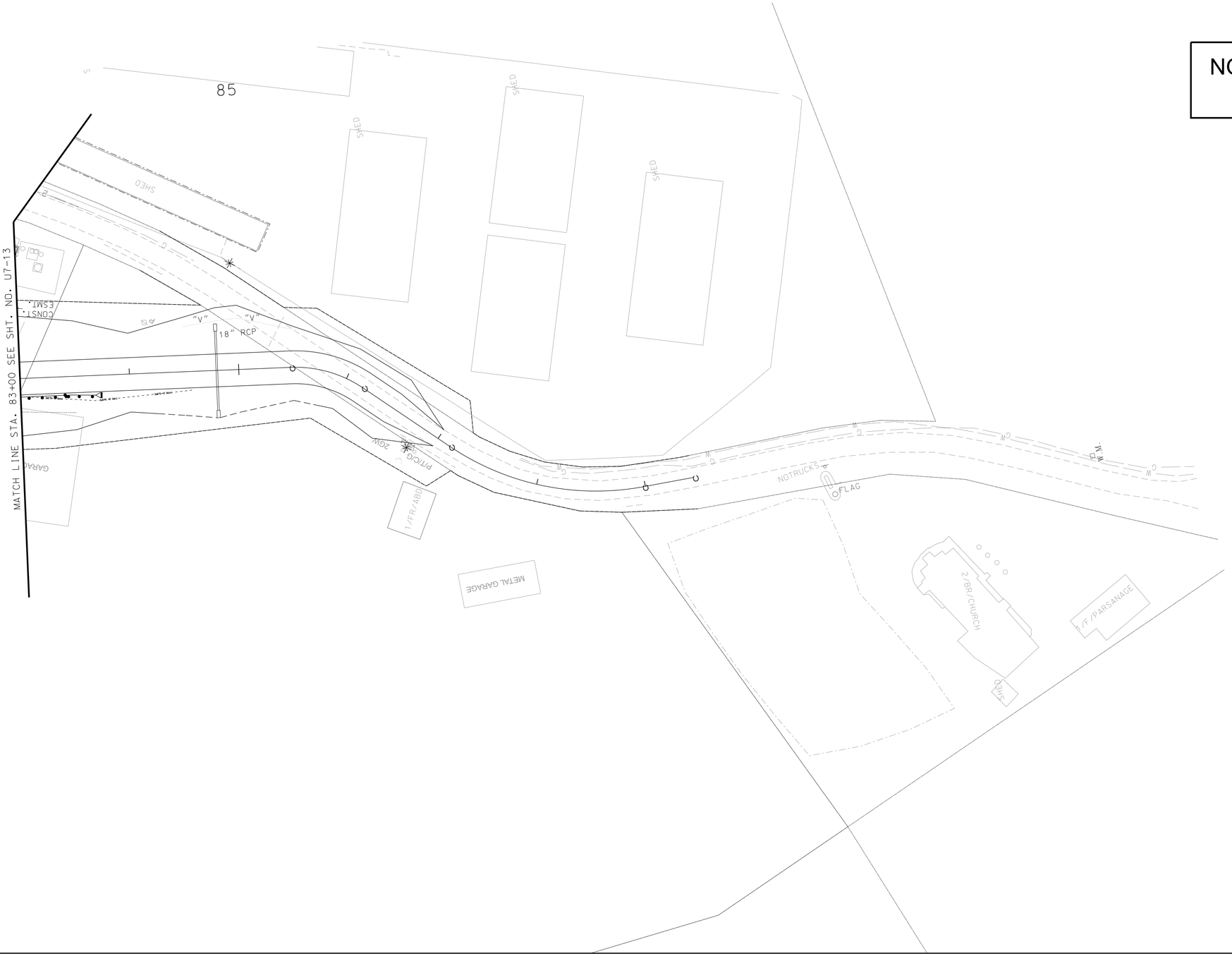
STA. 64+00 TO STA. 69+40

SCALE: 1"= 50'

1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-15.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-16

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 83+00 TO STA. 89+75

SCALE: 1"= 50'

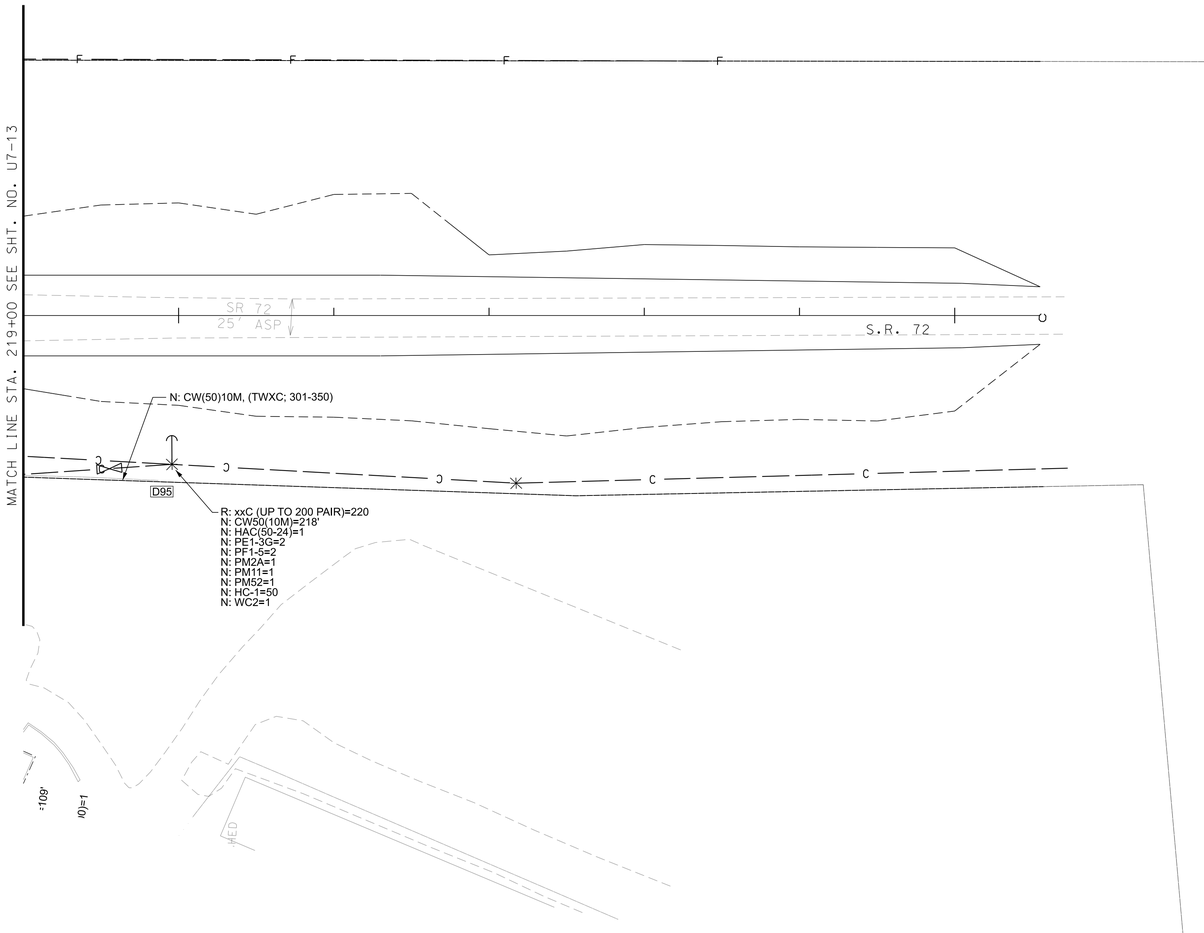
1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-16.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-17

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

220

225



1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-17.SHT

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

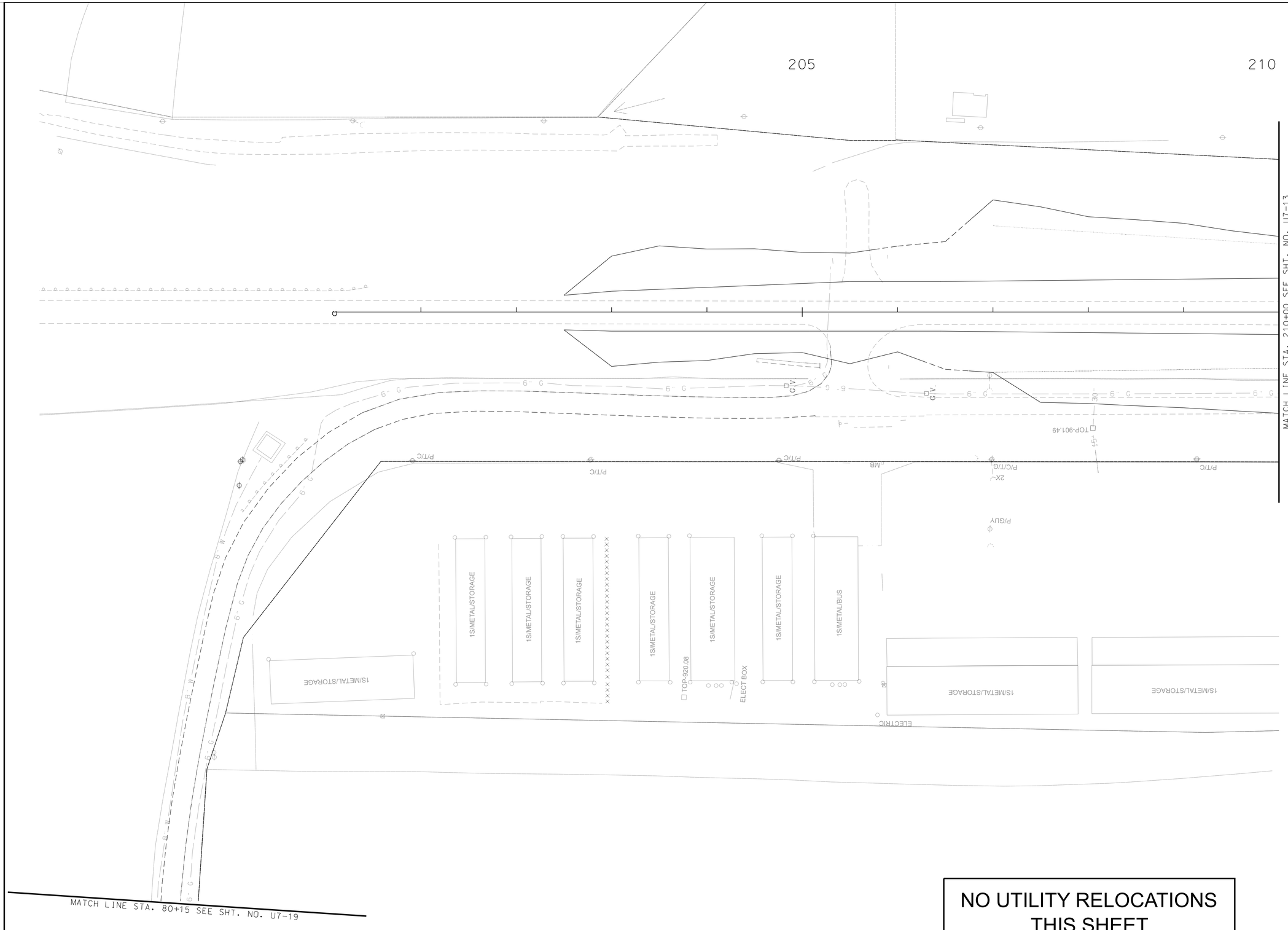
PROPOSED LAYOUT

STA. 219+00 TO STA. 225+55

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-18

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 202+50 TO STA. 210+00

SCALE: 1"= 50'

1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-18.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-19

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02



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1/16/2026

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 70+45 TO STA. 80+15

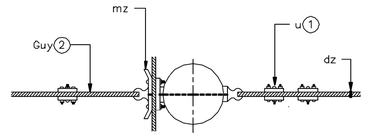
SCALE: 1"= 50'

1/16/2026
Z:\01520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-19.SHT

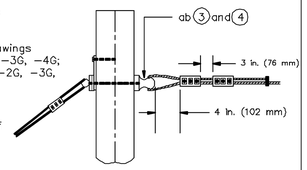
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-20

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

Bulletin 1753F–152
Construction Guide Drawing
Page 57



Plan



Elevation

Notes:

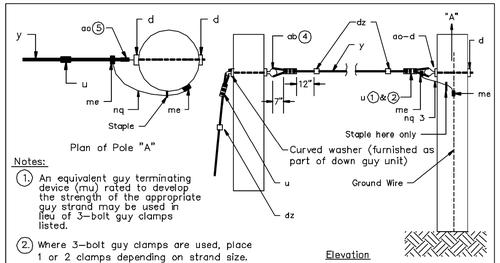
1. An equivalent terminating device (mu) rated to provide the strength of the appropriate suspension strand may be used in lieu of 3–bolt guy clamps listed.
2. Refer to guy assembly drawings PE1–2, –3, –4; PE1–2G, –3G, –4G; PE2–2, –3, –4; and PE2–2G, –3G, –4G for guying materials.
3. Size of the thimbleye nut is governed by the size of the thimbleye bolt used for the guys.
4. Square nut under eye nut may be omitted when length of bolt thread extending beyond pole is short enough to permit turning eye nut down to curved washer without interfering with the placing of strand.

		6M	10M	16M
ITEMS	MATERIALS	NO. REQ'D	NO. REQ'D	NO. REQ'D
u	Clamps, guy, 3–bolt	1	1	2
ab	Nuts, thimbleye	1	1	1
*dz	Clips, guy	1	1	1
mz	Clamps, suspension, corner	1	1	1

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
BRANCH SUSPENSION STRAND

Scale: NTS | March 2001
207

Bulletin 1753F–152
Assembly Unit Drawing
Page 31



Elevation

Notes:

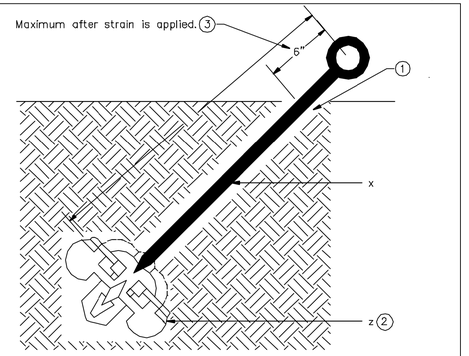
1. An equivalent guy terminating device (mu) rated to develop the strength of the appropriate guy strand may be used in lieu of 3–bolt guy clamps listed.
2. Where 3–bolt guy clamps are used, place 1 or 2 clamps depending on strand size.
3. On joint use poles where no vertical pole ground wire is present, leave enough length of #6 AWG copper ground wire (Item nq) coiled and taped to enable it to be extended up the pole and connected to a multigrounded neutral by a representative of the power company.
4. Size of thimbleye nut is governed by size of thimbleye bolt used for down guy.
5. If a guy hook is used in lieu of a thimbleye bolt refer to Guide Drawing 812 for installation details.
6. For converting English units to metric units use 1 in. = 25.4 mm and 1 ft = 0.3048 m.

		PE2–2G	PE2–3G	PE2–4G
		6M	10M	16M
ITEMS	MATERIALS	NO. REQ'D	NO. REQ'D	NO. REQ'D
ab	Nuts, thimbleye	1	1	1
ao	Bolts, thimbleye, 3/4" x req'd lgth.	–	–	1
ao	Bolts, thimbleye, 5/8" x req'd lgth.	1	1	–
d	Washers, curved, 3" x 3" x 1/4", 13/16" hole	–	–	2
d	Washers, curved, 2 1/2" x 2 1/2" x 3/16", 11/16" hole	2	2	–
*dz	Clips, guy	2	2	2
u	Clamps, guy, 3–bolt	2	2	4
y	Strand, guy	req'd lgth	req'd lgth	req'd lgth
me	Connectors, grounding	2	2	2
*nq	Wires, ground, bare #6 AWG copper	req'd lgth	req'd lgth	req'd lgth

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
OVERHEAD GUY, GROUND CONNECTIONS

Scale: NTS | March 2001
PE2–2G, –3G, –4G

Bulletin 1753F–152
Assembly Unit Drawing
Page 32



Notes:

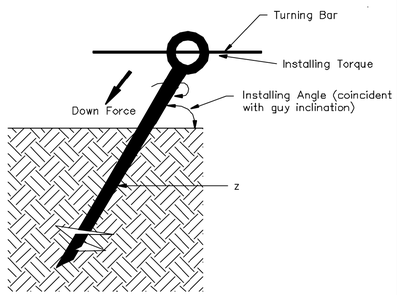
1. Size of hole shall be governed by the diameter of the unexpanded anchor.
2. Expand the blades into undisturbed earth.
3. Eye of anchor rod shall not be below surface of ground.
4. For converting English units to metric units use 1 in. = 25.4 mm, 1 ft = 0.3048 m, and 1 lbf = 4.448 N.

		PF1–3	PF1–5	PF1–7
		6,000 lbf Holding Power	10,000 lbf Holding Power	16,000 lbf Holding Power
ITEMS	MATERIALS	NO. REQ'D	NO. REQ'D	NO. REQ'D
x	Rod, anchor, thimbleye type, 5/8" x 7'0"	1	–	–
x	Rod, anchor, thimbleye type, 3/4" x 8'0"	–	1	–
x	Rod, anchor, thimbleye type, 1" x 10'0"	–	–	1
z	Anchor, expanding	1	1	1

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
EXPANDING ANCHOR ASSEMBLY

Scale: NTS | March 2001
PF1–3, –5, –7

Bulletin 1753F–152
Assembly Unit Drawing
Page 33



Note:

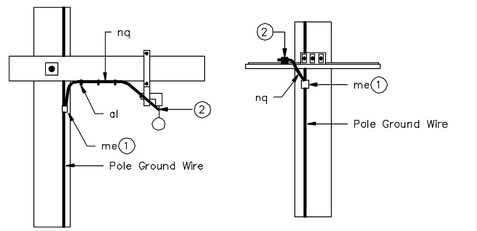
For converting English units to metric units use 1 in. = 25.4 mm and 1 lbf = 4.448 N.

		PF3–3	PF3–5	PF3–7
		6,000 lbf Holding Power	10,000 lbf Holding Power	16,000 lbf Holding Power
ITEMS	MATERIALS	NO. REQ'D	NO. REQ'D	NO. REQ'D
z	Anchor, screw – 8" (203 mm) helix dia.	1	–	–
z	Anchor, screw – 10" (254 mm) helix dia.	–	1	–
z	Anchor, screw – 12" (305 mm) helix dia.	–	–	1

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
SCREW ANCHOR ASSEMBLY

Scale: NTS | March 2001
PF3–3, –5, –7

Bulletin 1753F–152
Assembly Unit Drawing
Page 39



Notes:

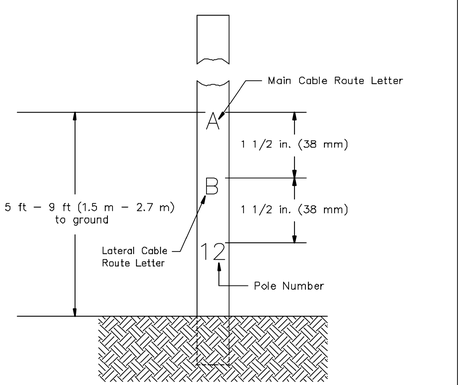
1. Ground wire (item nq) shall be connected to the vertical pole ground wire of the multigrounded power system neutral or to the pole ground assembly (PM2 unit). If a multigrounded power system neutral is present on the pole but there is no vertical pole ground wire, a sufficient length of bare #6 AWG copper wire (item nq) shall be left coiled and taped to permit it to be extended up the pole and connected to the multigrounded neutral by a representative of the power company.
2. Carefully remove the insulation from the support wire or the strand to permit connection of the ground wire to the support wire or the strand by means of a grounding connector (item me). Where the insulation is required to be restored, refer to Guide Drawing 360 for restoration details.

ITEMS	MATERIALS	NO. REQ'D
me	Connectors, grounding	2
*nq	Wire, ground, bare, #6 AWG copper	as required
*al	Staples, ground wire	as required

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
GROUND WIRE ASSEMBLY

Scale: NTS | March 2001
PM2A

Bulletin 1753F–152
Assembly Unit Drawing
Page 47



Notes:

1. All numbers and letters shall be installed so that they will face the road.
2. Where other pole numbering schemes are used, the Engineer shall revise the above labeling.

ITEM	MATERIAL	NO. REQ'D
az	Numbers, pole, 1 1/2 in. (38 mm) high	as required

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
POLE MARKING

Scale: NTS | March 2001
PM52

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1/16/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: N.T.S.

1/16/2026
Z:\101520-0050\03-Drawings\03-Utilities\Design\Sheets\B Date\U7-20.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-21

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

Bulletin 1753F-152
Assembly unit drawing
Page 28



Notes:

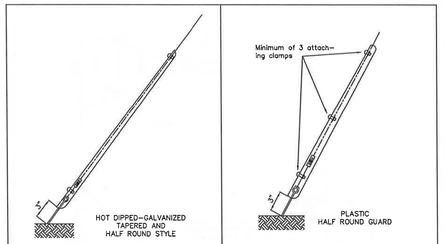
1. An equivalent guy terminating device (mu) rated to develop the strength of the appropriate guy strand may be used in lieu of the 3–bolt guy clamps listed.
2. Where 3–bolt guy clamps are used, place 1 or 2 clamps depending on stand size.
3. For 6M sizes of guy strand, omit items bk and j and substitute a 2 1/2" x 2 1/2" x 3/16", 11/16" hole curved washer, item d.
4. If a guy hook is used in lieu of a thimbleye bolt refer to Guide Drawing 812 for installation details.
5. For converting English units to metric units use 1 in. = 25.4 mm and 1 ft = 0.3048 m.

		PE1–2	PE1–3	PE1–4
		6M	10M	16M
ITEMS	MATERIALS	NO. REQ'D	NO. REQ'D	NO. REQ'D
d	Washers, curved, 3" x 3" x 1/4", 13/16" hole	–	–	1
d	Washere, curved, 2 1/2" x 2 1/2" x 3/16", 11/16" hole	2	1	–
j	Screws, lag, 1/2" x 4"	–	2	2
u	Clamps, guy, 3–bolt	2	2	4
y	Strand, guy	req'd lgth	req'd lgth	req'd lgth
ba	Bolts, angle, thimbleye, 3/4" x req'd length	–	–	1
ba	Bolts, angle, thimbleye, 5/8" x req'd length	1	1	–
bk	Plates, lift, curved, 7" x 2 1/2" x 5/16"	–	–	1
bk	Plates, lift, curved, 7" x 2 1/2" x 1/4"	–	1	–
*dz	Clips, guy	2	2	2

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
DOWN GUY

Scale: NTS | March 2001 | PE1–2, –3, –4

Guy Guards



NOTES:
1– Guy guards shall be no less than 8 feet long.
2– Visibility of colored plastic guards can be improved by use of color or color patterns which provide contrast with the surroundings.
3– Guards for sidewalk guys should be full round type or installed so that mounting clamps will not come in contact with pedestrians.
4– Guards shall be installed so that anchor rod eye is covered.

DESIGNATE
E3–10G (Galvanized)
E3–10P (Plastic)

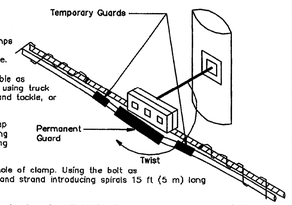
TENNESSEE VALLEY PUBLIC POWER ASSOCIATION
GUY GUARDS
RUS EQUIVALENT: PM11 | DWG. No. PM11

DATE	REVISION	DATE	REVISION

99

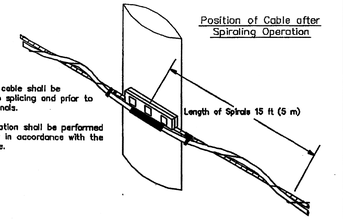
Bulletin 1753F-152
Construction Guide Drawing
Page 66

Spiraling Operation Detail



Step (1) Place split cable guards. (plastic)
Step (2) Loosen lashing wire clamps as required to allow for movement of lashing wire.
Step (3) Support and position cable as necessary for operation, using truck mounted derrick, block and tackle, or other means.
Step (4) Remove suspension clamp from through bolt allowing cable and strand to swing free.
Step (5) Place a bolt in center hole of clamp. Using the bolt as a lever, twist the cable and strand introducing spirals 15 ft (5 m) long in the adjacent spans.
Step (6) In the spiraling operation, lashing wire will tighten in the span on one side of pole and loosen on the other. Lashing wire clamps shall be adjusted to allow for this movement. After spiraling, the lashing wire shall be adjusted, tapping on the strand as the lashing wire is pulled up or adjusted and clamps tightened to hold cable firmly in place.
Step (7) Reattach cable and remove temporary cable guards.
Step (8) A split cable guard shall also be installed on the cable at each tangent pole adjacent to the pole on which spiraling has been performed.

Position of Cable after Spiraling Operation

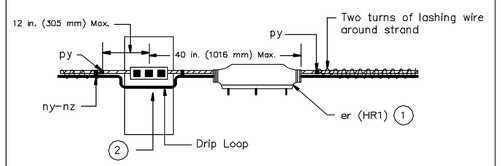


Notes:
① Spiraling of aerial cable shall be performed prior to splicing and prior to mounting of terminals.
② The spiraling operation shall be performed on alternate poles in accordance with the steps shown above.

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
METHOD OF SPIRALING AERIAL CABLE

Scale: NTS | March 2001 | 250

Bulletin 1753F-152
Assembly Unit Drawing
Page 26



Notes:

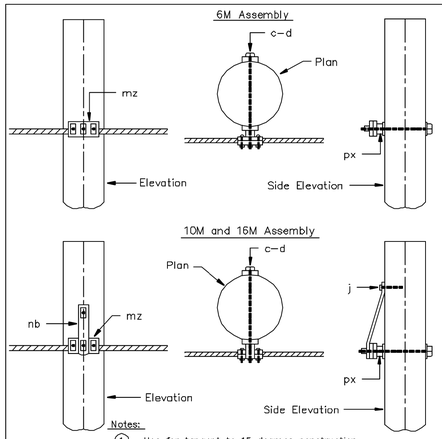
1. Select enclosure size for the main cable diameter from 0.4 to 3.0 in. (10 to 76 mm) and install in accordance with the enclosure manufacturer's instructions.
2. Lashed cable supports with the proper size cable spacers shall be used to hold the cable parallel to the strand and clear of the hardware.

		HR1
ITEMS	MATERIALS	NO. REQUIRED
er	Enclosure, ready–access	1
*ny	Spacers, cable	As required
*nz	Supports, lashed cable	As required
*py	Clamps, lashing wire, terminating	As required

RURAL TELECOMMUNICATIONS CONSTRUCTION PRACTICES
READY–ACCESS ENCLOSURE
LASHED CABLE – STRAIGHT SPLICE

Scale: NTS | March 2001 | HAC

Bulletin 1753F-152
Construction Guide Drawing
Page 48



Notes:
① Use for tangent to 15 degrees construction.
② For converting English units to metric units use 1 in. = 25.4 mm.

		6M	10M	16M
ITEMS	MATERIALS	NO. REQ'D	NO. REQ'D	NO. REQ'D
c	Bolts, machine, 5/8" x required length	1	1	1
d	Washers, curved, 2 1/2" x 2 1/2" x 3/16", 11/16" hole	2	2	2
j	Screws, lag, 1/2" x 4"	–	1	1
px	Nuts, regular square, 5/8"	1	1	1
mz	Clamps, cable, suspension	1	1	1
nb	Straps, suspension clamp, reinforcement	–	1	1

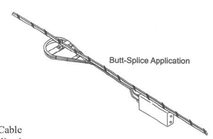
RURAL TELECOMMUNICATION CONSTRUCTION PRACTICES
SUSPENSION STRAND MOUNTING

Scale: NTS | March 2001 | 201

Fiber Optic Storage System

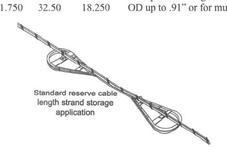


- All aluminum construction
- Continuous welds at crossbars and ends
- Each pair individually boxed
- Stainless steel mounting bolts, nuts and washers included
- Three models efficiently sized to accommodate all fiber cable up to .91" OD
- Dual coat baked on polyester powder coat finish
- Tie eyelets designed to accommodate both stainless steel and tie wrap securing methods



Product Information

Model	Channel Width	Overall Length	Cable Diameter	Application
FOS-1	.650	25.75	12.250	OD up to .61" single wrap
FOS-2	1.250	25.75	12.250	OD up to .61" 2-3 wraps
FOS-3	.900	31.25	16.250	OD up to .81" single wrap
FOS-5	1.750	32.50	18.250	OD up to .91" or for multiple wraps



FOSB(A)( )

TDS

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: N.T.S.

1/16/2026
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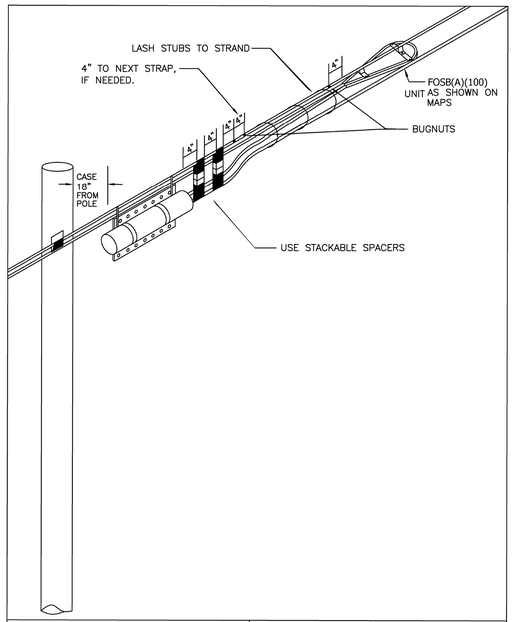

LIST OF MATERIALS

CASE, ORGANIZER TRAY, AND AERIAL HANGER BRACKETS
MISCELLANEOUS MATERIALS

GUIDE DRAWING

FOR SPLICING AERIAL FIBER

HAFO WITH STORAGE BRACKET

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U7-22

SHEPPARD ROAD TO SR-72 MONROE
62016-3206-14
PIN # 102380.02

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

SEALED BY

DERICK WILLIAMS
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 124099
STATE OF TENNESSEE
Derick Williams
1/16/2026

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: N.T.S.

1/16/2026
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INDEX OF DRAWINGS

SHT. NUMBER	SHT. NAME
U8-1	WATER LINE NOTES
U8-2	WATER LINE RELOCATION
U8-3	WATER LINE RELOCATION
U8-4	WATER LINE RELOCATION
U8-5	WATER LINE RELOCATION
U8-6	WATER LINE RELOCATION
U8-7	WATER LINE RELOCATION
U8-8	WATER LINE RELOCATION
U8-9	WATER LINE RELOCATION
U8-10	WATER LINE RELOCATION
U8-11	WATER LINE RELOCATION
U8-12	WATER LINE RELOCATION
U8-13	WATER LINE RELOCATION
U8-14	WATER LINE RELOCATION
U8-15	WATER LINE RELOCATION
U8-16	WATER LINE RELOCATION
U8-17	WATER LINE RELOCATION
U8-18	WATER LINE PROFILES
U8-19	WATER LINE PROFILES
U8-20	WATER LINE PROFILES
U8-21	WATER LINE PROFILES
U8-22	WATER LINE PROFILES
U8-23	WATER LINE PROFILES
U8-24	WATER LINE DETAILS
U8-25	WATER LINE DETAILS

ITEM NO.	ITEM DESCRIPTION	UNIT	NOTE	QTY
795-01.03	6IN DIP RESTRAINED JOINT WATER LINE	LF	1	1,100
795-01.04	6IN DIP SLIP JOINT WATER LINE	LF	1	1,100
795-01.05	8IN DIP RESTRAINED JOINT WATER LINE	LF	1	1,150
795-01.06	8IN DIP SLIP JOINT WATER LINE	LF	1	7,800
795-05.14	HDD 2IN HDPE CASING PIPE-UNCON	LF	2	700
795-05.99	FLOWABLE FILL (TRENCH PLUGS)	CY	3	10
795-06.01	CONNECT TO 2IN WATER LINE	EA	3	1
795-06.04	CONNECT TO 6IN WATER LINE	EA	3	5
795-06.05	CONNECT TO 8IN WATER LINE	EA	--	2
795-06.31	CUT AND CAP 2IN WATER LINE	EA	--	1
795-06.33	CUT AND CAP 6IN WATER LINE	EA	--	5
795-06.34	CUT AND CAP 8IN WATER LINE	EA	4	2
795-08.04	6IN GATE VALVE ASSEMBLY	EA	4	3
795-08.05	8IN GATE VALVE ASSEMBLY	EA	5	17
795-09.01	3/4IN WATER SERVICE METER ASSEMBLY	0	5	2
795-09.02	1IN WATER SERVICE METER ASSEMBLY	0	--	1
795-09.09	RELOCATE/RECONNECT WATER SERVICE METER ASSEMBLY	EA	7	25
795-09.60	3/4IN PEXa SERVICE PIPE	LF		1,500
795-09.62	1IN PEX SERVICE PIPE	LF	5	10
795-11.02	FIRE HYDRANT ASSEMBLY	EA	--	3
795-11.12	RETIRE IN PLACE EXISTING WATER MAIN	LF	--	12,500
795-13.01	DI FITTINGS	LBS	5	12,000
795-14.05	CONCRETE ENCASEMENT	LF	6	20
795-15.02	12IN STEEL CASING PIPE OPEN CUT METHOD	LF	--	150
795-15.25	16IN STEEL CASING PIPE OPEN CUT METHOD	LF	--	400
795-21.01	RETIRE WATER METER ASSEMBLIES	LS	--	1
795-21.02	RETIRE WATER VALVES AND HYDRANTS	LS	--	1

FOOTNOTES:

1 INCLUDES ALL MATERIALS, LABOR, EQUIPMENT FOR COMPLETE INSTALLATION OF PIPE INCLUDING BUT NOT LIMITED TO TRAFFIC CONTROL, MATERIALS, EQUIPMENT, EXCAVATION IN BOTH UNCONSOLIDATED AND ROCK, REMOVAL AND REPLACEMENT OF UNSUITABLE SOIL, ENVELOPE/BEDDING MATERIAL, BACKFILLING, FLOWABLE FILL, THRUST BLOCKING, CONCRETE DEADMAN, PIPE FUSION, TRACER WIRE, WARNING TAPE, APPURTENANCES, TEMPORARY/PERMANENT SHORING, MAINTAINING THE TRENCH, TESTING, FLUSHING, DISINFECTION, BACTERIOILOGICAL SAMPLING, TEMPORARY/PERMANENT SURFACE RESTORATION, AND ANY OTHER LABOR OR MATERIAL REQUIRED TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS.

2 INCLUDES FITTINGS, VALVE, VALVE STEM EXTENSIONS, VALVE BOX AND COVER, BOX ADJUSTMENT, VALVE BOX COLLAR, VALVE MARKER, THRUST BLOCKING, CONCRETE DEADMAN, AND ANY OTHER LABOR OR MATERIAL REQUIRED TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS.

3 INCLUDES ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY FOR CONNECTING TO AN EXISTING WATER LINE INCLUDING TRAFFIC CONTROL

4 INCLUDES SEALING, ABANDONMENT OF CONNECTIONS, AND RESTORATION OF THE SITE.

5 INCLUDES FITTINGS, GLANDS AND RESTRAINT DEVICES DESCRIBED IN POUNDS.

6 INCLUDES EXCAVATION, TEMPORARY/PERMANENT SHORING, MAINTAINING THE TRENCH, TESTING, TEMPORARY/PERMANENT SURFACE RESTORATION, AND ANY OTHER LABOR OR MATERIAL REQUIRED TO COMPLETE THE WORK AS SPECIFIED ON THE PLANS.

7 INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT FOR REMOVAL OF EXISTING WATER SERVICE METER ASSEMBLY AND INSTALLING AT NEWLY IDENTIFIED LOCATION

LEGEND

- PROPOSED CENTERLINE
- PROP/EXIST. R.O.W.
- W — PROPOSED WATER LINE
- 12"ST — PROPOSED STORM SEWER
- EXIST. PROPERTY LINE
- 8" SA — EXIST. SANITARY SEWER
- 8" W — EXIST. WATER LINE
- P/T — EXIST. POWER LINE
- 3" G — EXIST. NATURAL GAS
- EXIST. STORM SEWER
- EXIST. STREAM
- W.M. EXIST. WATER METER
- G.M. EXIST. GAS METER
- MB EXIST. MAILBOX

UTILITY INFORMATION

UTILITY TITLE	TELLICO AREA SERVICES SYSTEMS
ADDRESS	505 CLEARVIEW DRIVE MARYVILLE, TN 37801
CONTACT PERSON	MARK CLINTON
PHONE	PHONE: (865) 856-3530

GENERAL NOTES:

1. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED.
2. PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD THE EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. FURNISH ANY SPECIAL EQUIPMENT REQUIRED TO WORK OVER AND AROUND THE UTILITIES.
3. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS TO NOTIFY THEM OF WORK IN THE AREA AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY. NOTIFICATION SHALL BE GIVEN AT LEAST THREE BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
4. UTILITIES CAN BE LOCATED BY CALLING THE TENNESSEE ONE CALL SYSTEM, AT 811.
5. TRENCH DESIGN AND SAFETY FOR PIPELINE CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, AND OSHA REGULATIONS.
6. THE STONE BEDDING AND BACKFILL SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE WATER UTILITY SPECIFICATIONS.
7. ALL WATER LINES AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH THE WATER UTILITY SPECIFICATIONS.
8. CONTRACTOR TO INSTALL WATER LINES AT A POSITIVE GRADE BETWEEN DESIGNATED HIGH AND LOW POINTS TO PREVENT TRAPPING OF AIR.
9. PROPOSED 1" AIR RELEASE VALVES SHALL BE INSTALLED AT HIGH POINTS IN THE PROPOSED WATER LINE, AND SHALL BE FIELD LOCATED BY THE RESIDENT PROJECT REPRESENATIVE.
10. CONTRACTOR TO COORDINATE FIELD LOCATIONS OF PROPOSED FIRE HYDRANTS, WATER SERVICES AND METERS WITH RESIDENT PROJECT REPRESENTATIVE.
11. NO VALVES SHALL BE INSTALLED UNDER AREAS TO RECEIVE ASPHALT PAVEMENT UNLESS APPROVED BY RESIDENT PROJECT REPRESENTATIVE.
12. VALVES, HYDRANTS AND METER ASSEMBLIES SHALL BE ORIENTED SO AS TO ASSURE WATER LINE APPURTENANCES ARE NOT LOCATED WITHIN SIDEWALK AND/OR CURB/CURB & GUTTER AREAS.
13. THRUST BLOCKS SHALL BE INSTALLED WHEREVER THE WATER MAIN CHANGES DIRECTION (AT TEES AND BENDS), AT DEAD ENDS, OR AT ANY OTHER POINT RECOMMENDED BY THE MANUFACTURER OR REQUIRED BY THE OWNER. THRUST BLOCKS SHALL BE CONSIDERED AN INTREGAL PART OF THE WATER LINE WORK. WHERE THRUST BLOCKING IS INADEQUATE OR INAPPROPRIATE, TIE RODS OR SPECIALTY RESTRAINT MEGALUG MECHANICAL JOINT GLANDS (MANUFACTURER IN THE USA), SHALL BE INSTALLED.
14. CONTRACTOR SHALL INSTALL DETECTION WIRE AND WARNING TAPE PER WATER UTILITY SPECIFICATIONS.
15. WATER LINE CROSSINGS UNDER STATE ROADS SHALL BE ENCASED WITH STEEL CASING AND BE INSTALLED BY OPEN CUT, HORIZONTAL DIRECTIONAL DRILL, OR BORE AND JACK METHOD PER STATE RESIDENT PROJECT REPRESENTATIVE'S DISCRETION.
16. WATER LINE INSTALLED INSIDE STEEL CASING SHALL BE RESTRAINED BY LOCKING GASKETS AND ALIGNED BY CASING SPACERS PER DETAIL #2 ON SHEET U2-7.
17. WATER MAIN MIN. COVER SHALL BE 36" AND MAX. COVER SHALL BE 54", UNLESS OTHERWISE APPROVED BY RESIDENT PROJECT REPRESENATIVE.
18. CONTRACTOR SHALL SALVAGE FOR THE UTILITY OWNER EXISTING FIRE HYDRANTS, VALVE BOXES, VALVE MARKERS, AND OTHER MATERIALS LOCATED ON WATER LINES TO BE RETIRED. SALVAGED MATERIALS SHALL BE DELIVERED TO UTILITY OWNER'S STORAGE YARD. VALVES SHALL BE RETIRED IN ACCORDANCE WITH DETAIL ON DETAIL 9 ON SHEET U2-8. HYDRANT, INCLUDING PIPING DOWN TO EXISTING 90° BEND, SHALL BE REMOVED AND EXISTING PIPE SHALL BE CAPPED OFF.
19. CONTRACTOR TO USE FITTINGS WITH MECHANICAL RESTRAINTS AS REQUIRED FOR PROPER HORIZONTAL AND VERTICAL ALIGNMENT.
20. RESTRAINED JOINT FITTINGS SHALL BE "MEGALUG" AS MANUFACTURED BY EBAA IRON OR APPROVED EQUAL.
21. FIRE HYDRANT ASSEMBLIES SHALL BE INSTALLED AND TESTED IN ACCORDANCE WITH WATER UTILITY SPECIFICATIONS AND OTHER NATIONALLY RECOGNIZED STANDARDS OR REQUIREMENTS.
22. ALL PROPOSED SERVICES TO BE INSTALLED UNDER PAVEMENT SHALL HAVE HDPE CASING.
23. ALL SERVICE LINE CONNECTIONS SHALL BE MADE WITH SERVICE SADDLES. NO DIRECT TAPS WILL BE ALLOWED.
24. CONTRACTOR SHALL REPLACE AND RESTORE ANY DAMAGED PAVEMENT, DRIVEWAYS, CURBS, SIDEWALKS, LANDSCAPING, SIGNS, ETC. LOCATED ON WATER UTILITY EASEMENT OR OTHERWISE NOT PART OF ROAD PROJECT TO MATCH PRE-CONSTRUCTION CONDITIONS OR BETTER.
25. CONTRACTOR TO VERIFY LOCATION AND DIAMETER OF ALL EXISTING WATER SERVICES AND METERS AND RECONNECT ALL EXISTING WATER SERVICES. COORDINATE FIELD LOCATION OF ALL PROPOSED SERVICES AND METERS WITH RESIDENT PROJECT REPRESENTATIVE.
26. WATER MAIN (BOTH TEMPORARY AND PERMANENT), SERVICE LINES, FIRE HYDRANTS, ETC. SHALL BE TESTED IN ACCORDANCE WITH WATER UTILITY SPECIFICATIONS.
27. BACTERIOLOGICAL SAMPLES FOR BOTH TEMPORARY AND PERMANENT LINES SHALL BE PULLED AND TESTED BY UTILITY OWNER PER WATER UTILITY SPECIFICATIONS.
28. CONTRACTOR SHALL MAINTAIN WATER SERVICE AT ALL TIMES UNLESS PRIOR APPROVAL IS OBTAINED FROM THE UTILITY OWNER. EVERY TIN-IN SHALL BE COORDINATED WITH RESIDENT PROJECT REPRESENATIVE.
29. ALL INCIDENTAL WORK, INCLUDING LABOR AND MATERIALS, NECESSARY TO COMPLETE THE WATER LINE RELOCATION PROJECT AS SHOWN IN THE CONTRACT DOCUMENTS, FOR WHICH A SEPERATE PAY ITEM IS NOT SHOWN SHALL BE PERFORMED BY THE CONTRACTOR AND NO ADDITIONAL PAYMENT SHALL BE MADE. THE COST OF THIS WORK SHALL BE MERGED INTO THE UNIT PRICES BID FOR THE BID ITEMS SHOWN.

STANDARD T.D.O.T. UTILITY NOTES:

1. EXCEPT FOR EROSION SEDIMENT CONTROL ITEMS, NO ROADWAY OR BRIDGE ITEMS SHALL BE UTILIZED TO COMPENSATE FOR WORK METHODS OR MATERIALS ASSOCIATED WITH AND/OR SPECIFI ED FOR THE UTILITY INSTAL-LATION, EVEN THOUGH THE SAME OR SIMILAR ROADWAY OR BRIDGE MATERIALS MAY HAVE BEEN CALLED FOR IN THE UTILITY SPECIFI CATIONS OR DRAWINGS.
2. ALL MATERIALS, METHODS, AND/OR INTEGRAL MATERIALS OUTLINED IN THE UTILITY SPECIFI CATIONS OR DRAWINGS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION MUST BE INCLUDED IN THE UNIT PRICE FOR THE ASSOCIATED UTILITY WORK ITEM.
3. THE CONTRACTOR MUST MAINTAIN ALL SERVICES DURING THE CONSTRUCTION OF THE RELOCATED FACILITY. ANY COSTS ASSOCIATED WITH INSTALLATION OF REQUIRED TEMPORARY SERVICE LINES DUE TO THE ROADWAY CONSTRUCTION SEQUENCE OF WORK (I.E., CUTS, FI LLS, PHASING, ETC.) SHALL BE INCLUDED IN THE COST OF THE PERMANENT UTILITY ITEMS. (NOTE TO UTILITY: THE UTILITY RELOCATION PLANS SHALL PROVIDE TO THE CONTRACTOR THE UTILITY'S REQUIREMENTS FOR TEMPORARY TIE-INS (INCLUDING NECESSARY TESTING AND STERILIZATION TO ACCOMPLISH THE TIE-IN) AND ALSO ANY RESTRICTIONS FOR TAKING LINES OUT OF SERVICE. IF A TEMPORARY LINE WILL BE A MAJOR ITEM OF WORK, A SPECIFI C TEMPORIZATION PLAN AND ITEM MUST BE INCLUDED IN THE UTILITY'S PLANS.)
4. IT SHALL BE THE RESPONSIBILITY OF THE PRIME CONTRACTOR'S SURVEYOR TO LAY OUT ALL THE FACILITIES BEING RELOCATED WITHIN THE CONTRACT.
5. FOR BURIED UTILITIES, THE PRIME CONTRACTOR OR SUBCONTRACTOR SHALL BE REQUIRED TO PROVIDE TO THE UTILITY UPON COMPLETION OF THE UTILITY'S RELOCATION WORK A SET OF AS-BUILT DRAWINGS FOR THEIR RECORDS. THESE AS-BUILT DRAWINGS SHOULD BE PREPARED AS THE JOB PROGRESSES TO ENSURE THEIR ACCURACY.
6. WHERE EROSION CONTROL MEASURES ARE NEEDED FOR THE UTILITY RELOCATION WORK OCCURRING INSIDE OR OUTSIDE STATE RIGHT-OF-WAY, THE CONTRACTOR SHALL SUBMIT TO THE TDOT PROJECT SUPERVISOR FOR APPROVAL A PROPOSED EROSION AND SEDIMENT CONTROL PLAN PRIOR TO BEGINNING THE WORK. TDOT APPROVAL MUST BE RECEIVED BEFORE THE EROSION CONTROL PAY ITEMS FOR ROADWAY CONSTRUCTION CAN BE USED FOR ANY ADDITIONAL EROSION CONTROL MEASURES REQUIRED FOR THE UTILITY RELOCATION WORK.
7. DRIVEWAY, SIDEWALK AND ROADWAY TEMPORARY RESTORATION SHALL BE PART OF THE IN-PLACE COST OF PLACING THE UTILITY ITEM WITHIN THE ROW.
8. ANY EXCAVATION OF THE STREAM CHANNEL AREA SHALL BE SEPARATED FROM FL OWING WATER AND ACCOM-PLISHED DURING LOW FL OW CONDITIONS. THIS SHALL BE ACCOMPLISHED BY THE USE OF FL UMES, LINED DIVERSION CHANNEL WITH SANDBAG BERM, DIVERSION PIPE WITH SANDBAG DAM AT PIPE INLET, OR IN SOME CASES COFF ERDAMS. ALTERNATIVELY, BASED ON FI ELD CONDITIONS AND CONTRACTOR SELECTION, THE UTILITY RELOCATION MAY BE ACCOMPLISHED USING BORE TECHNOLOGY WITH NO STREAM CHANNEL IMPACTS.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-1

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.

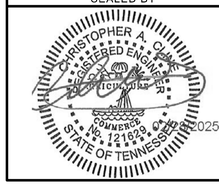
Tellico Area Services System
P.O. BOX 277 VONORE, TENNESSEE 37885

WATER LINE RELOCATION BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

WATER PLANS

SEALED BY



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

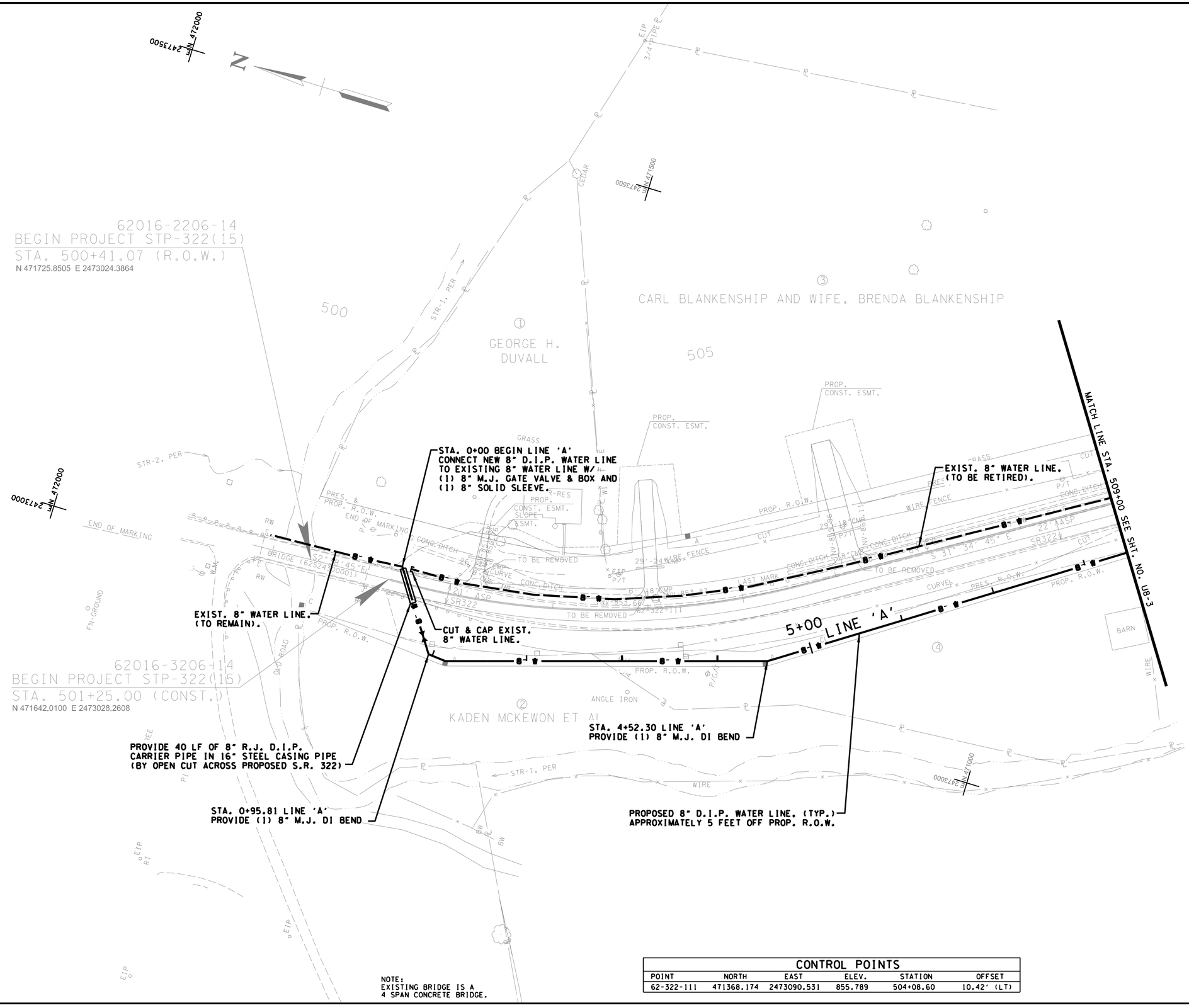
WATER LINE NOTES

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\Cover.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-2

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.



NOTE:
EXISTING BRIDGE IS A 4 SPAN CONCRETE BRIDGE.

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-111	471368.174	2473090.531	855.789	504+08.60	10.42' (LT)

Tellico Area Services System
P.O. BOX 277 VONORE, TENNESSEE 37885

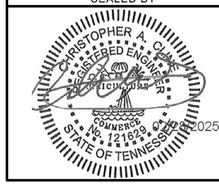
WATER LINE RELOCATION

BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

WATER PLANS

SEALED BY



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE 'A' RELOCATION

STA. 500+41.07 TO STA. 509+00

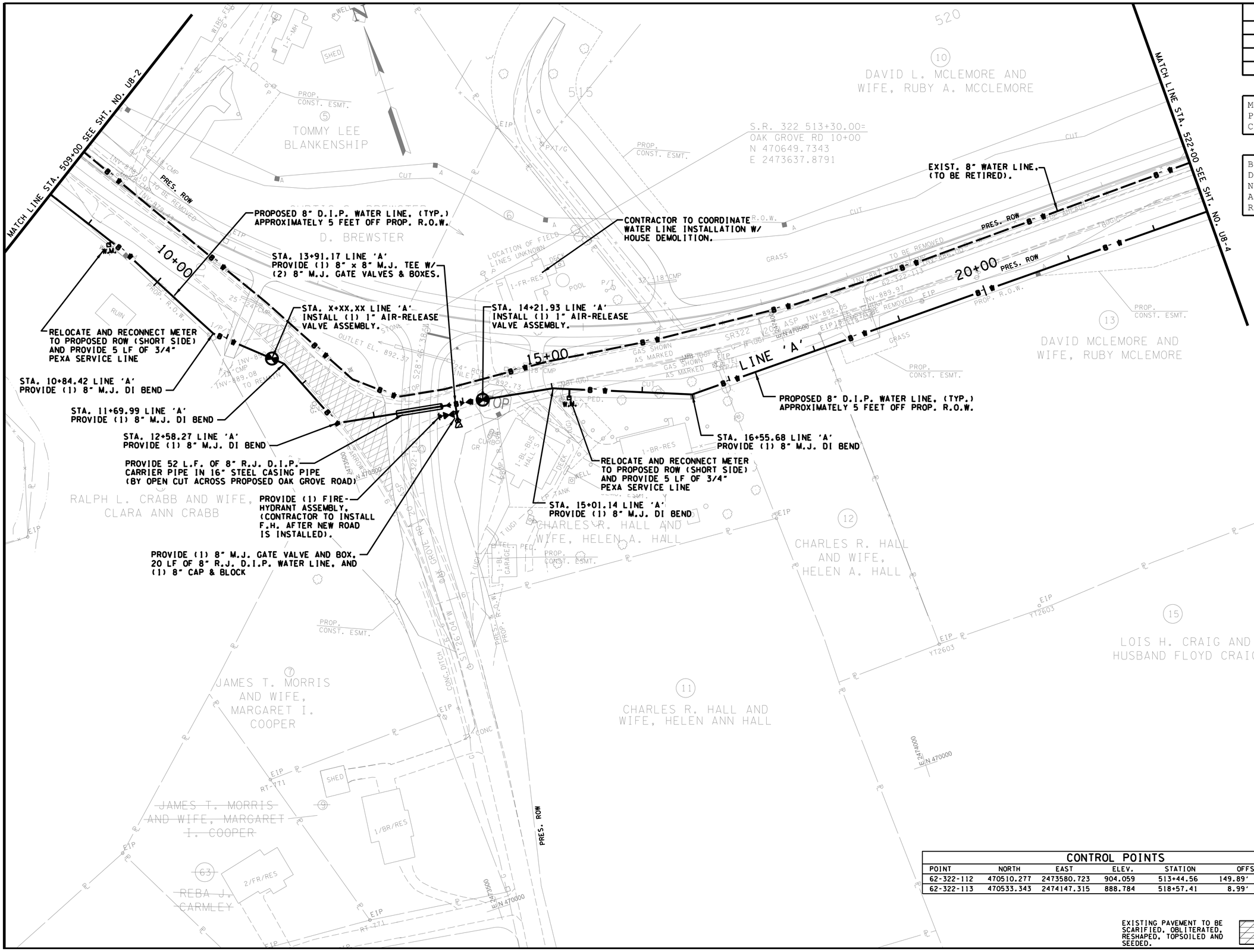
SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\004.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-3

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.



Tellico Area Services Systems
P.O. BOX 277 VONORE, TENNESSEE 37885

WATER LINE RELOCATION BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

WATER PLANS

SEALED BY

CHRISTOPHER A. CLARK REGISTERED ENGINEER PROFESSIONAL ENGINEER COMMERCE No. 121629 STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-112	470510.277	2473580.723	904.059	513+44.56	149.89' (RT)
62-322-113	470533.343	2474147.315	888.784	518+57.41	8.99' (RT)

EXISTING PAVEMENT TO BE SCARIFIED, OBLITERATED, RESHAPED, TOPSOILED AND SEEDED.

WATER LINE 'A' RELOCATION

STA. 509+00 TO STA. 522+00

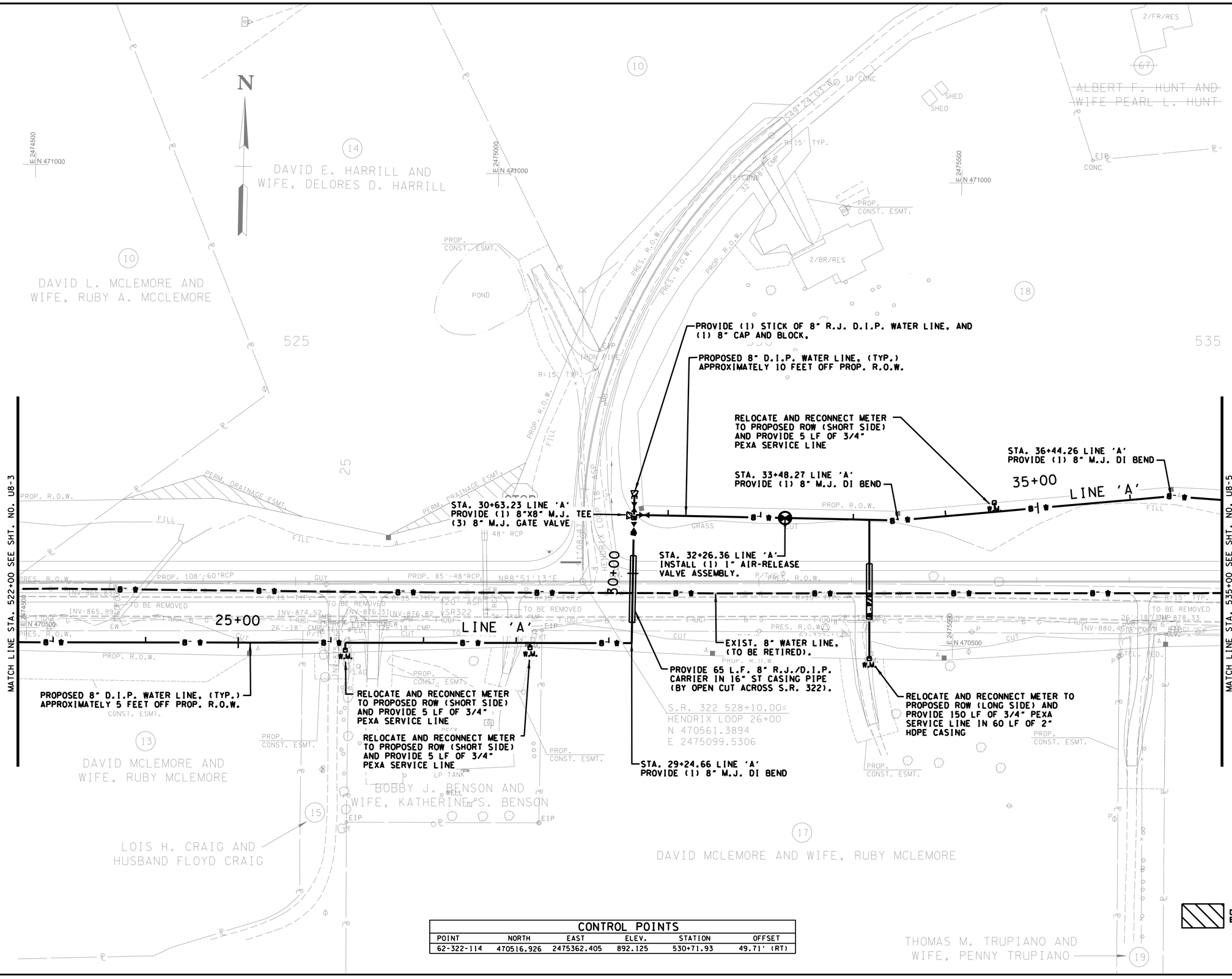
SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\005.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-4

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-114	470516.926	2475362.405	892.125	530+71.93	49.71' (RT)

DRAINAGE EASEMENT

Tellico Area Services System
P.O. BOX 277 VONORE, TENNESSEE 37885

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BY

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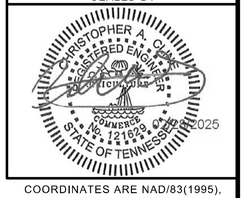

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

WATER LINE 'A' RELOCATION

STA. 522+00 TO STA. 535+00

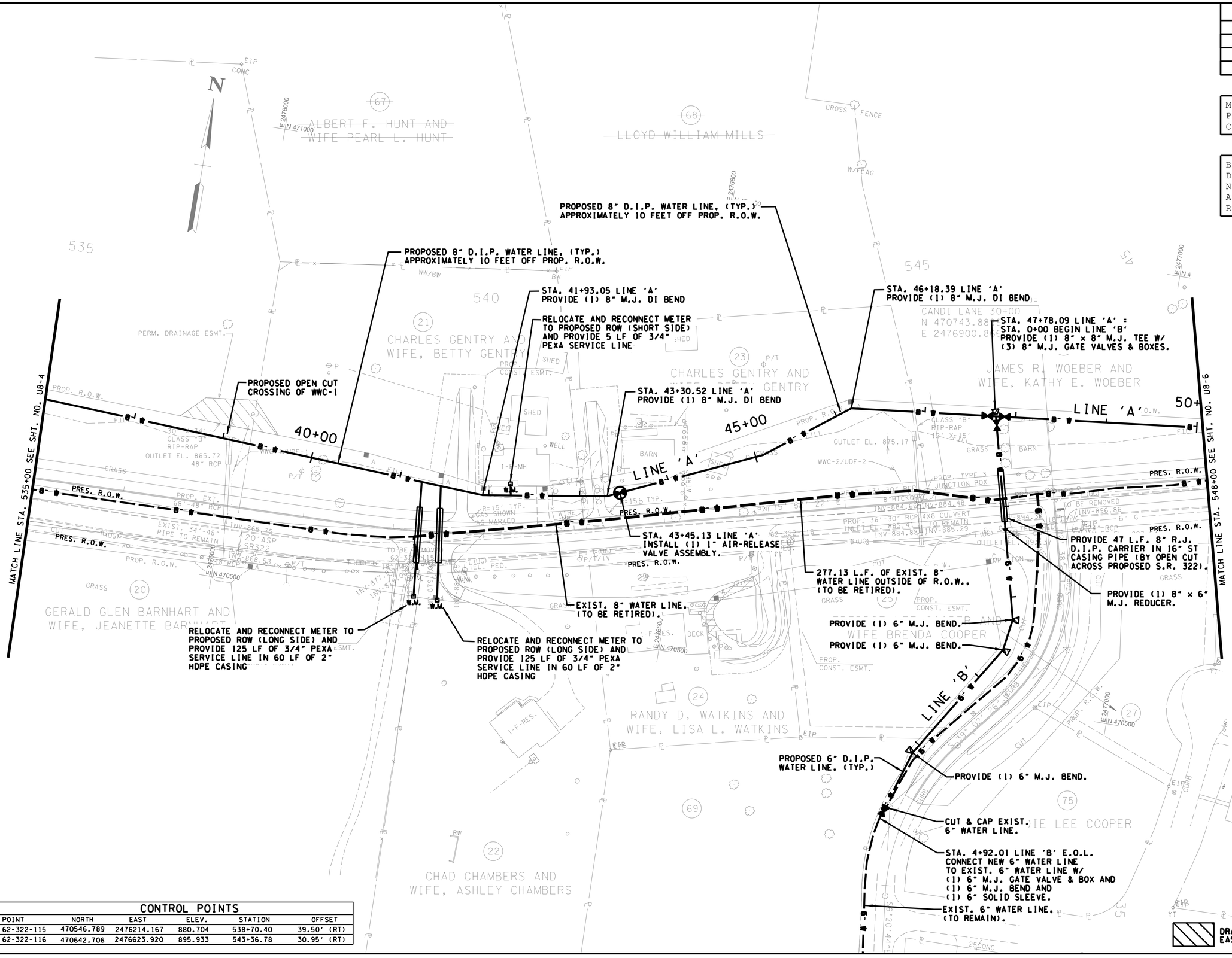
SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\006.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-5

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE SUBMITTAL
DATE: 02/20/2025
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-115	470546.789	2476214.167	880.704	538+70.40	39.50' (RT)
62-322-116	470642.706	2476623.920	895.933	543+36.78	30.95' (RT)

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\007.SHT

Tellico Area Services System
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WATER LINE RELOCATION BY

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WATER PLANS

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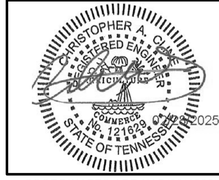

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE 'A' & 'B' RELOCATION

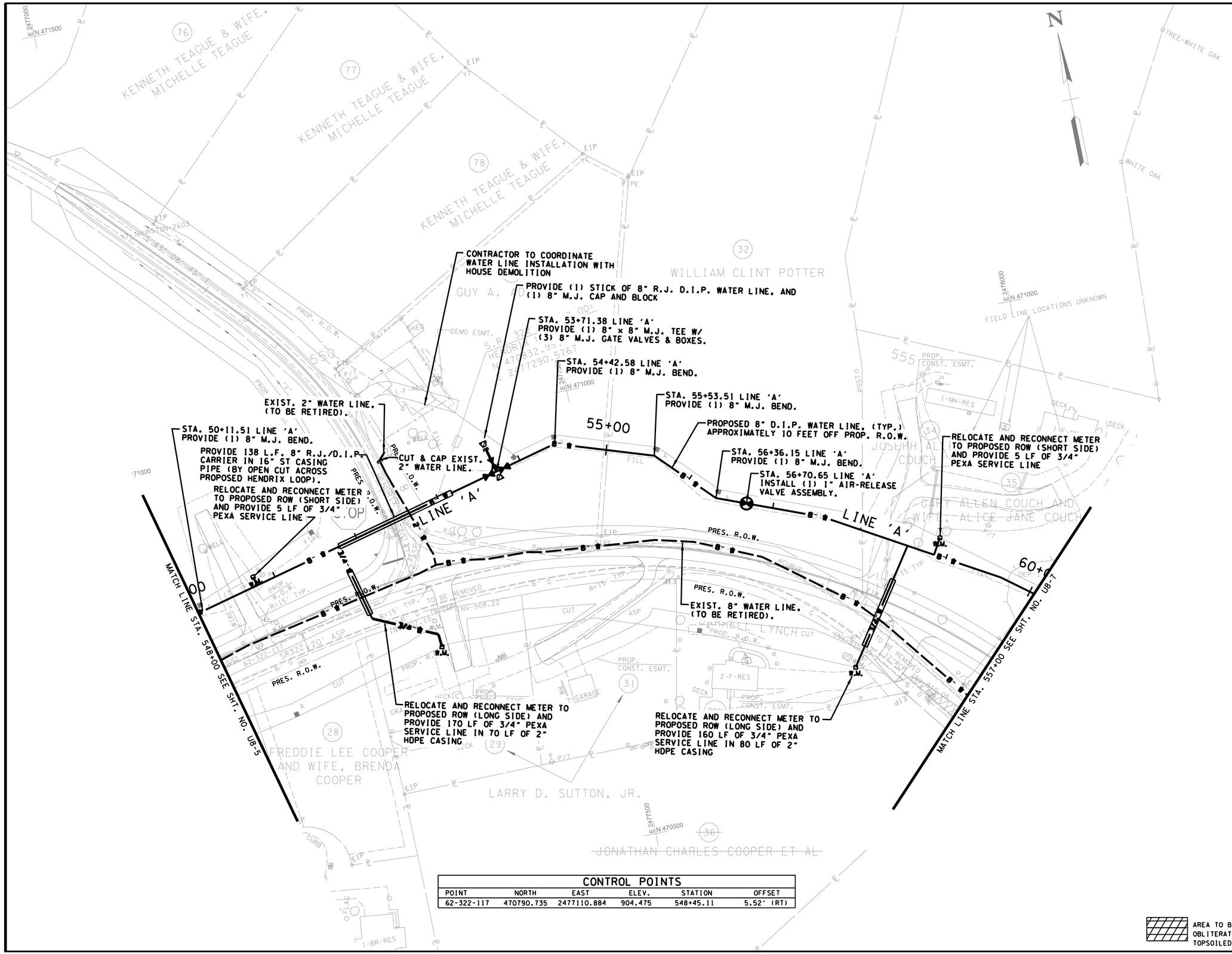
STA. 535+00 TO STA. 548+00

SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-6

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-117	470790.735	2477110.884	904.475	548+45.11	5.52' (RT)

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, TOPSOILED, AND SODDED.

Tellico Area Services Systems
P.O. BOX 277 VONORE, TENNESSEE 37885

WATER LINE RELOCATION BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

WATER PLANS

SEALED BY

CHRISTOPHER A. CLARK REGISTERED ENGINEER PROFESSIONAL ENGINEER No. 121629 STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

WATER LINE 'A' RELOCATION

STA. 548+00 TO STA. 557+00

SCALE: 1"=50'

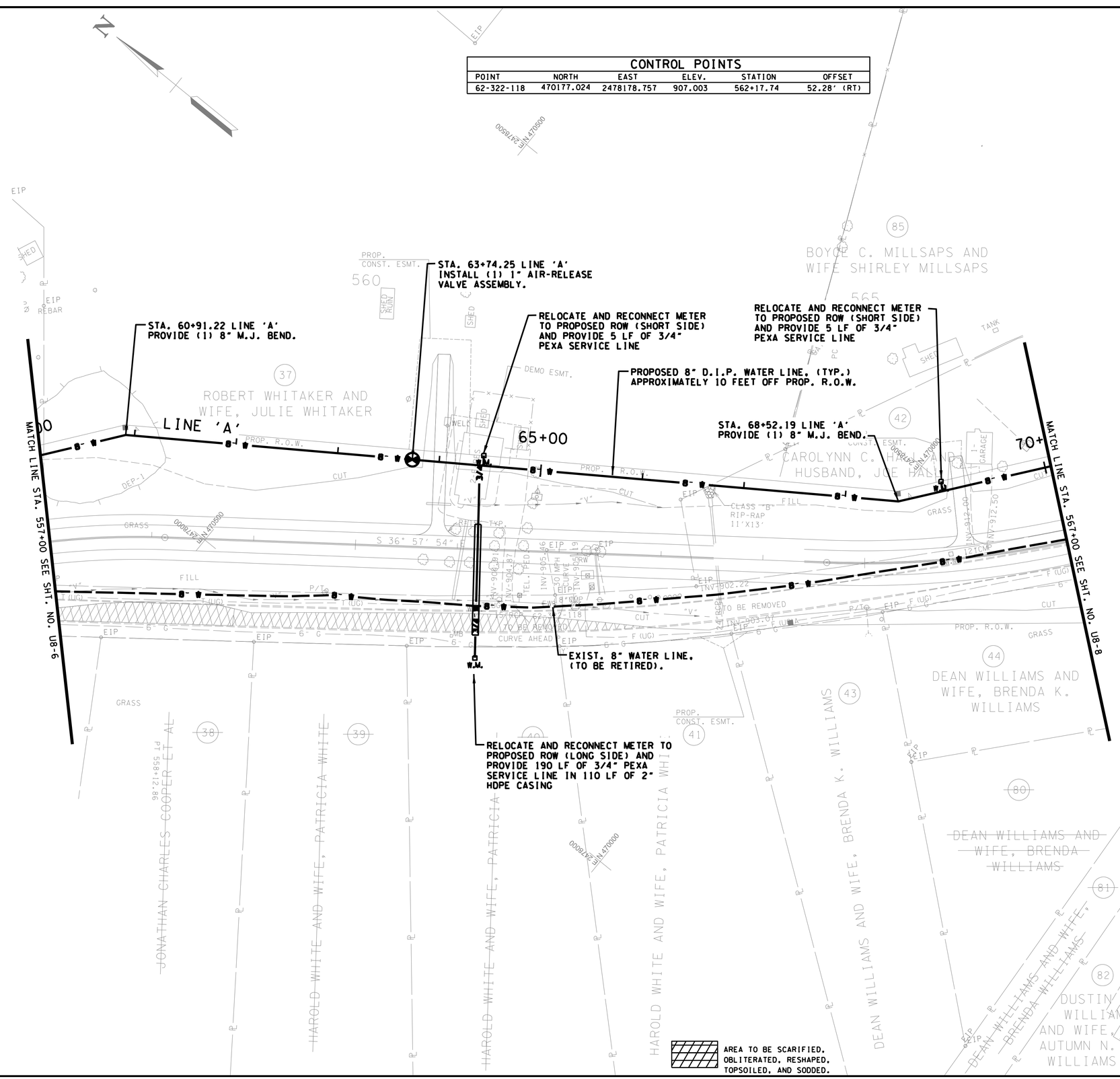
1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\008.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-7

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-118	470177.024	2478178.757	907.003	562+17.74	52.28' (RT)



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WATER PLANS

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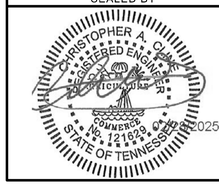

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE 'A' RELOCATION

STA. 557+00 TO STA. 567+00

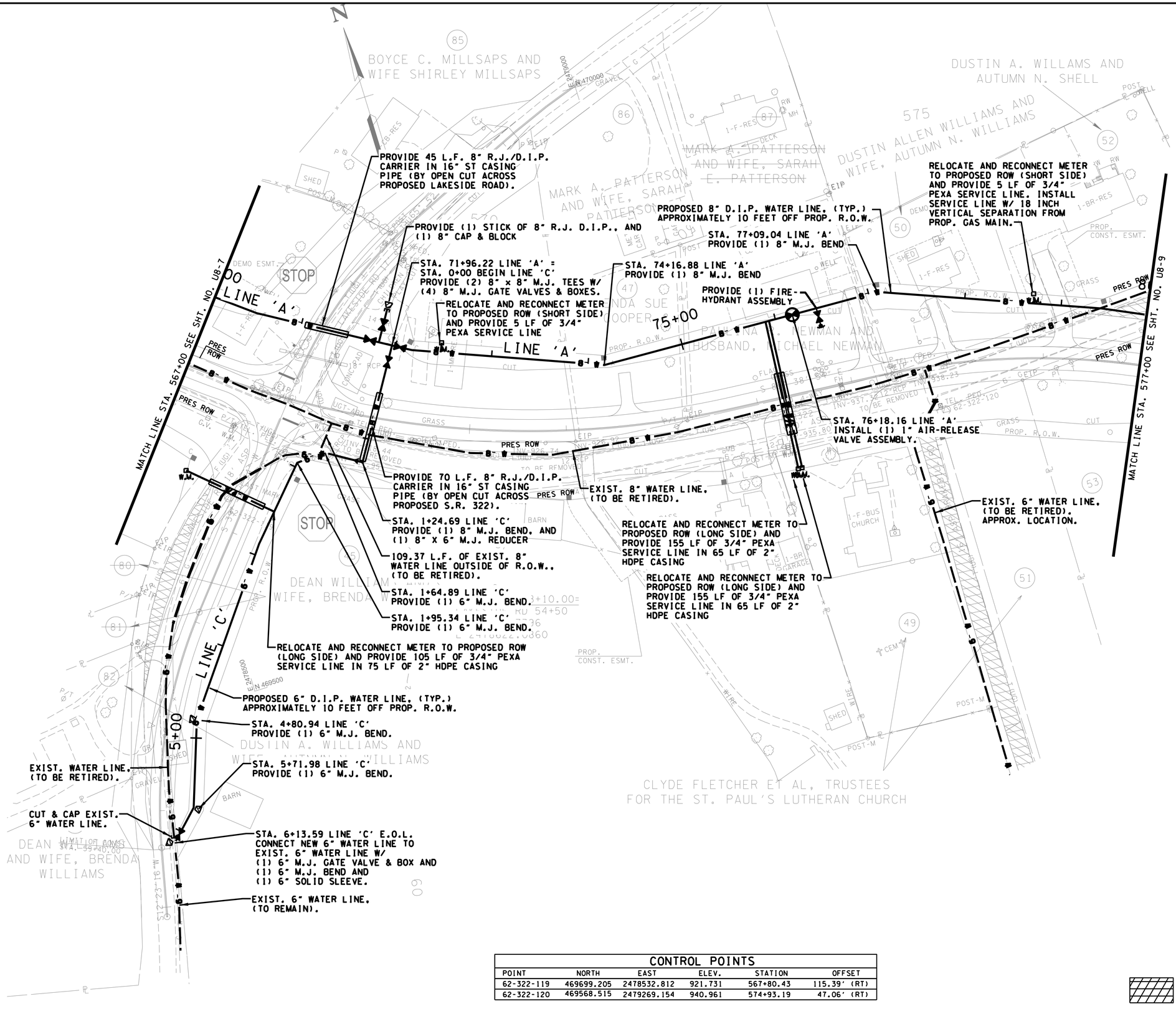
SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\009.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-8

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-119	469699.205	2478532.812	921.731	567+80.43	115.39' (RT)
62-322-120	469568.515	2479269.154	940.961	574+93.19	47.06' (RT)

AREA TO BE SCARIFIED, OBLITERATED, RESHAPED, TOPSOILED, AND SODDED.

Tellico Area Services System
P.O. BOX 277 VONORE, TENNESSEE 37885

WATER LINE RELOCATION BY

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Knoxville, TN 37932
865.670.8555
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WATER PLANS

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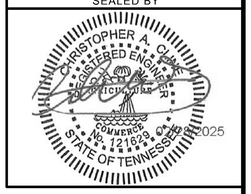

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

WATER LINE 'A' & 'C' RELOCATION

STA. 567+00 TO STA. 577+00

SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\010.SHT

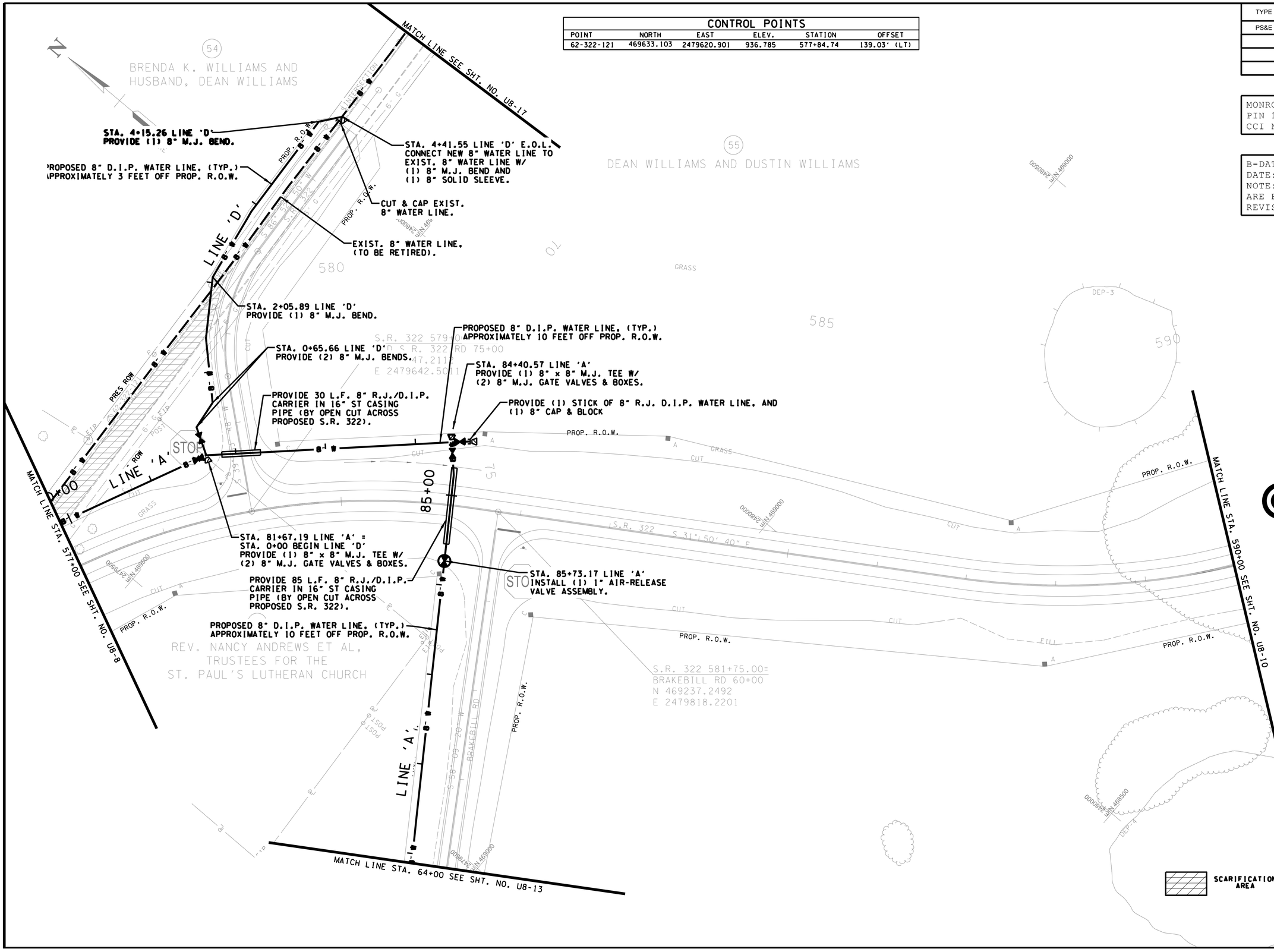
TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-9

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-121	469633.103	2479620.901	936.785	577+84.74	139.03' (LT)



WATER LINE RELOCATION BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

WATER PLANS

SEALED BY

CHRISTOPHER A. CLARK REGISTERED ENGINEER CIVIL ENGINEER COMMERCE No. 121629 STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

WATER LINE 'A' & 'D' RELOCATION

STA. 577+00 TO STA. 590+00

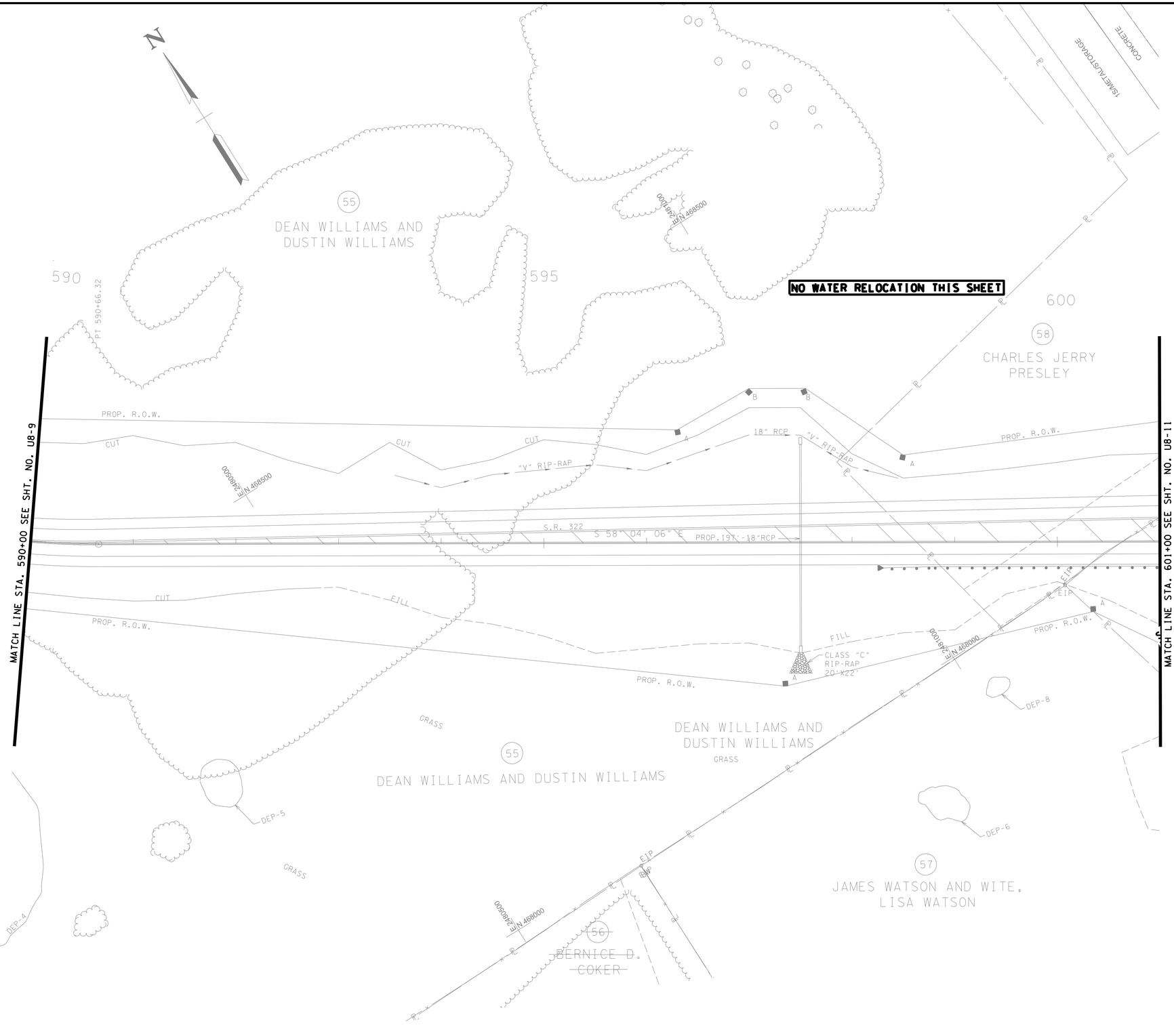
SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\011.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-10

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.



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WATER PLANS

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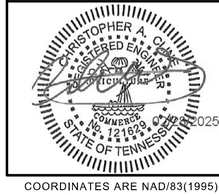

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE RELOCATION

STA. 590+00 TO STA. 601+00

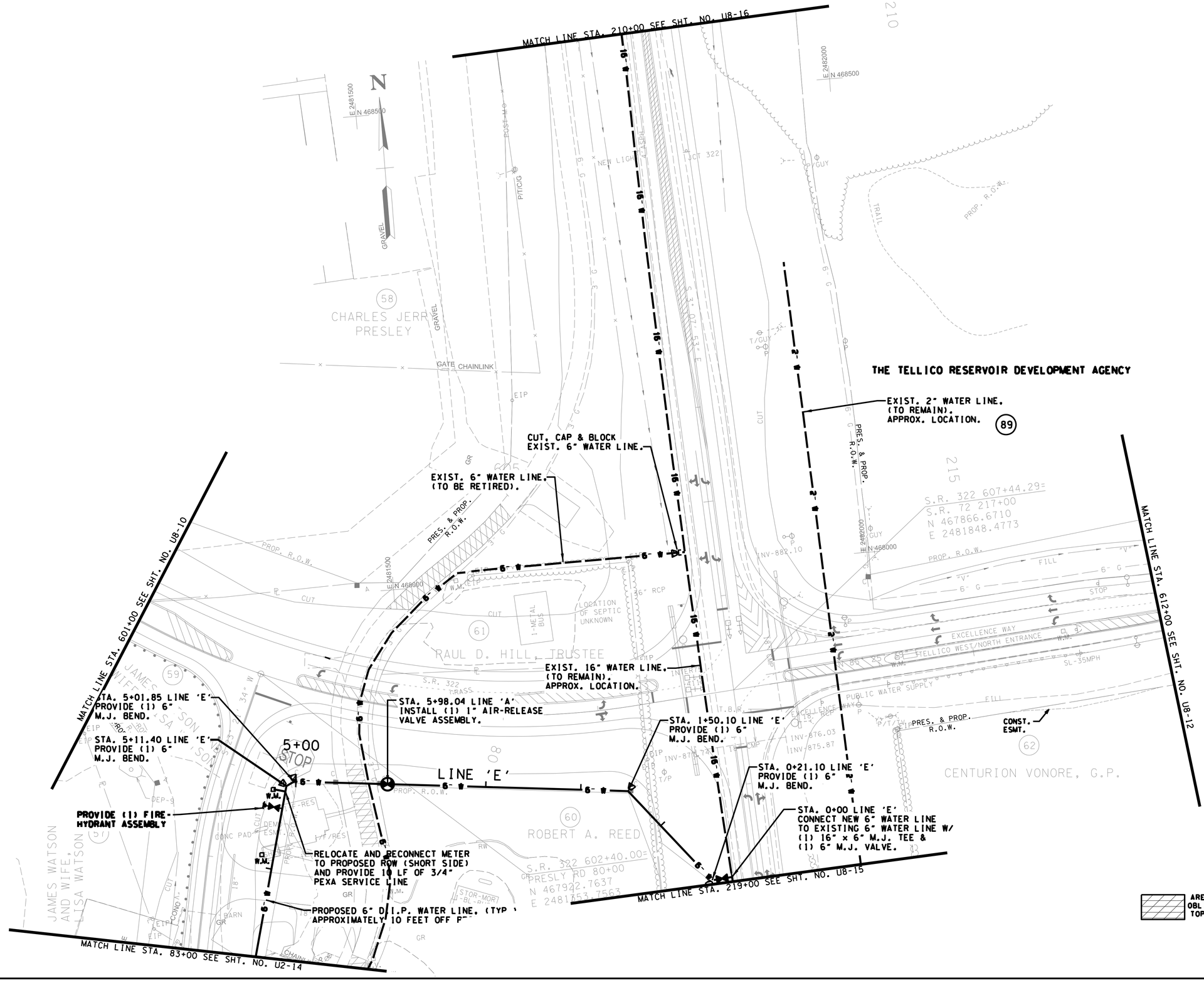
SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\012.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-11

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.



AREA TO BE SCARIFED, OBLITERATED, RESHAPED TOPSOILED AND SEEDED

Tellico Area Services Systems
P.O. BOX 277 VONORE, TENNESSEE 37885

WATER LINE RELOCATION BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

WATER PLANS

SEALED BY

CHRISTOPHER A. CLARK REGISTERED ENGINEER PRINCIPAL OFFICER COMMERCE No. 121629 STATE OF TENNESSEE 2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

WATER LINE 'E' & 'F' RELOCATION

STA. 601+00 TO STA. 612+00

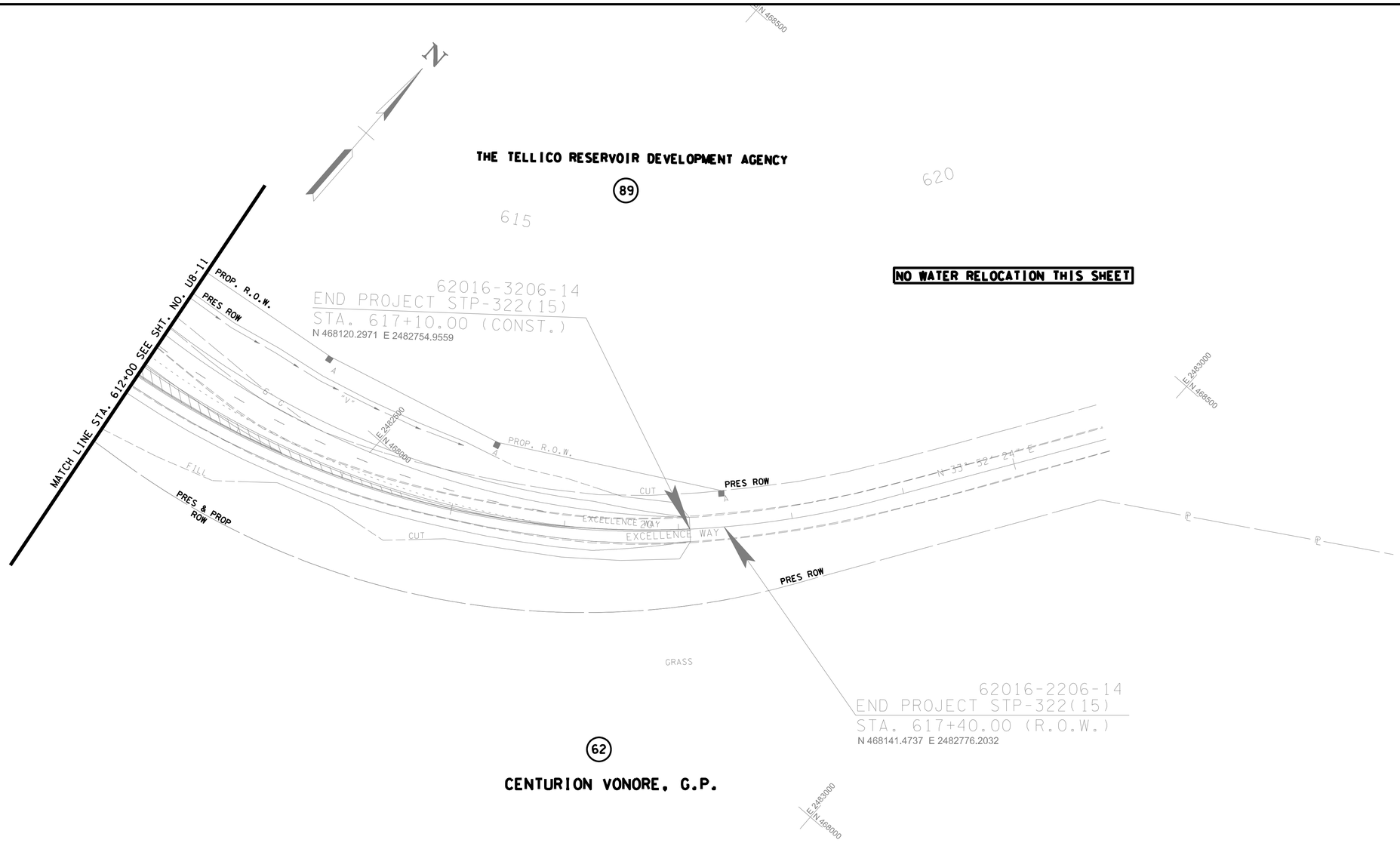
SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\013.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-12

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.



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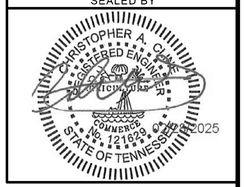

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE RELOCATION

STA. 612+00 TO STA. 619+50

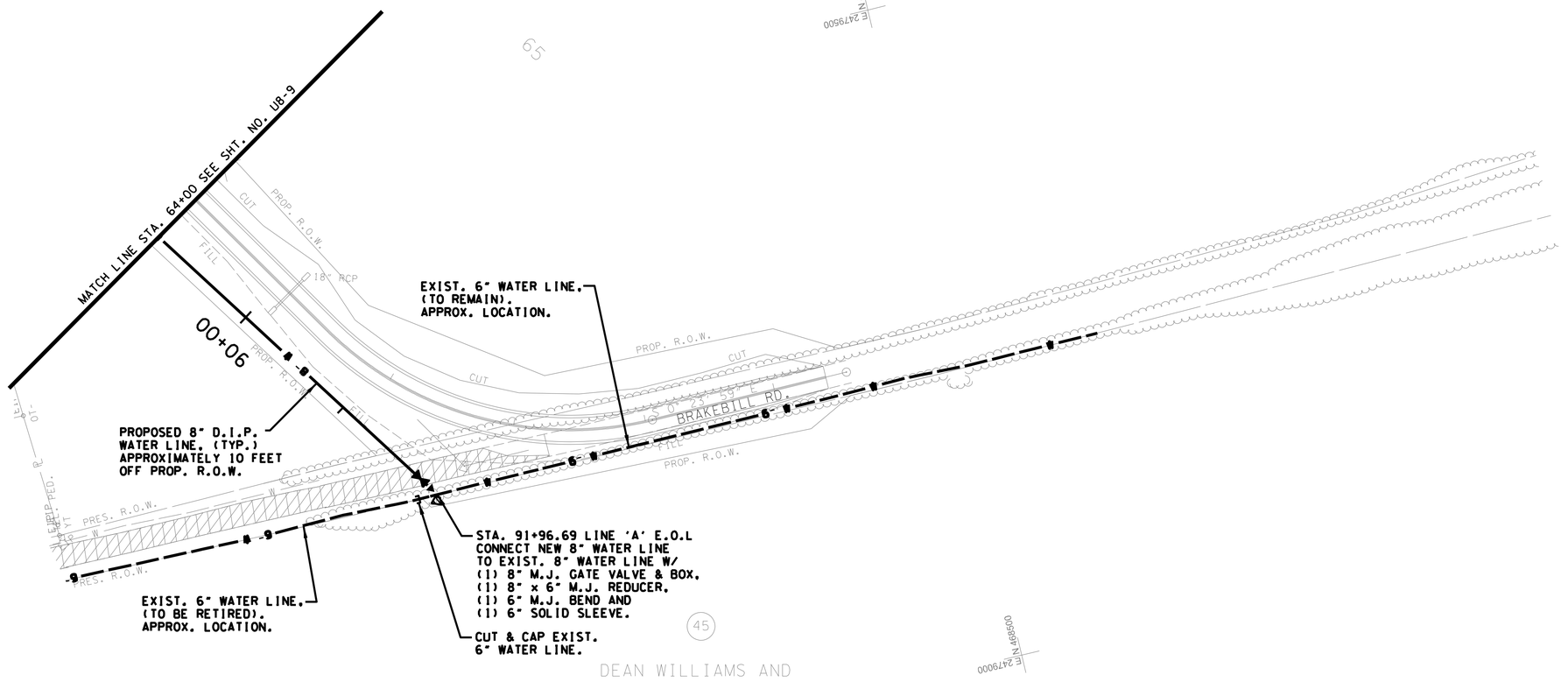
SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\014.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-13

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS
ARE BASED ON TDOT R.O.W.
REVISION 07/03/2024.



AREA TO BE SCARIFIED, OBLITERATED, RESHAPED TOPSOILED AND SEEDED

Tellico Area Services System
P.O. BOX 277 VONORE, TENNESSEE 37885

WATER LINE RELOCATION BY

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Knoxville, TN 37932
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WATER PLANS

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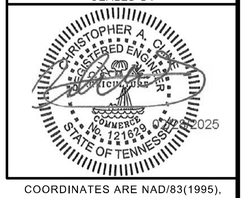

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STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

WATER LINE 'A' RELOCATION

STA. 64+00 TO STA. 69+40

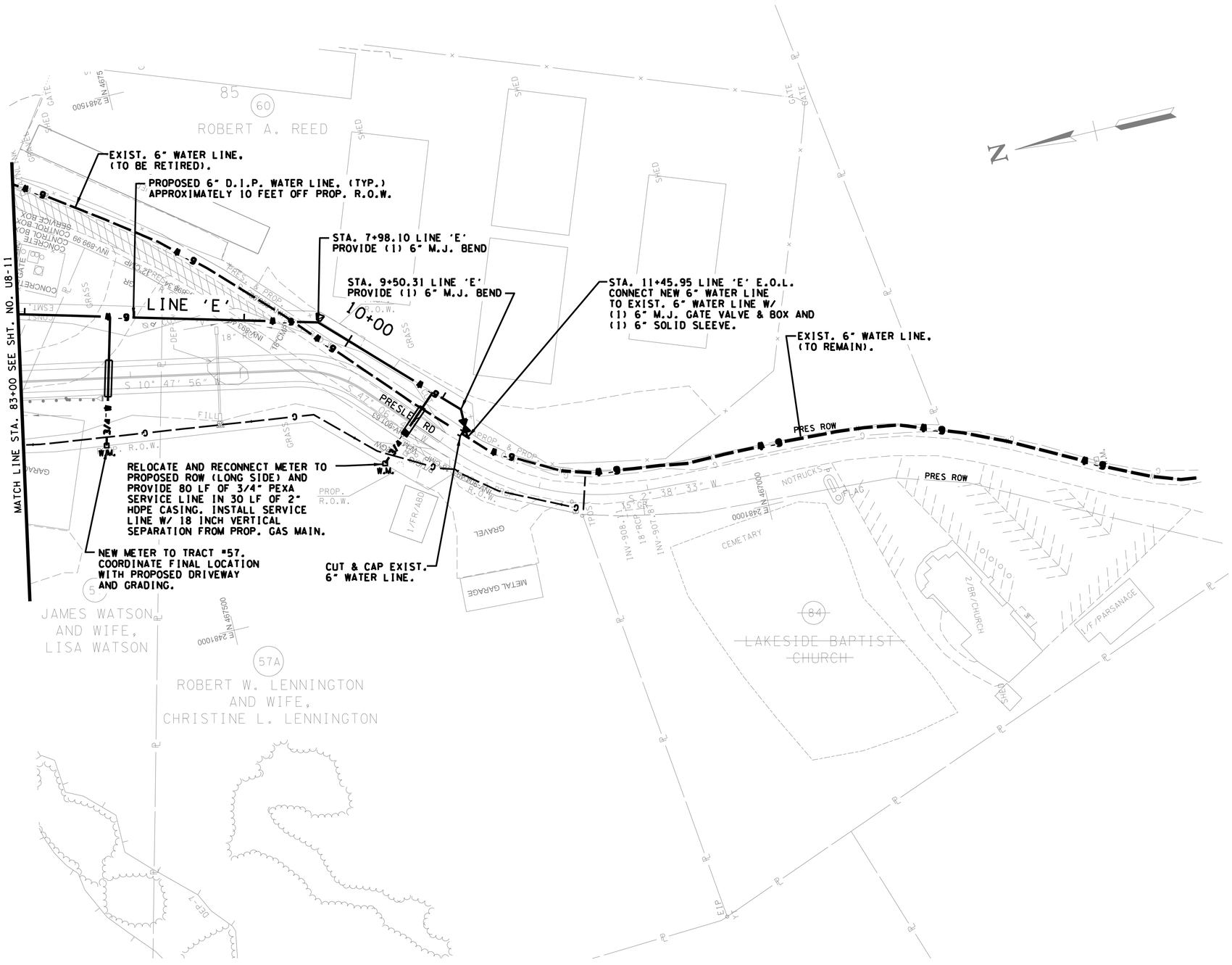
SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\015.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-14

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.



AREA TO BE SCARIFED, OBLITERATED, RESHAPED TOPSOILED AND SEEDED

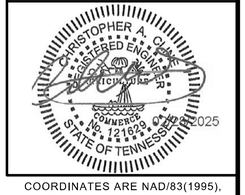
Tellico Area Services System
P.O. BOX 277 VONORE, TENNESSEE 37885

WATER LINE RELOCATION BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

WATER PLANS

SEALED BY



COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE 'F' RELOCATION

STA. 83+00 TO STA. 89+75

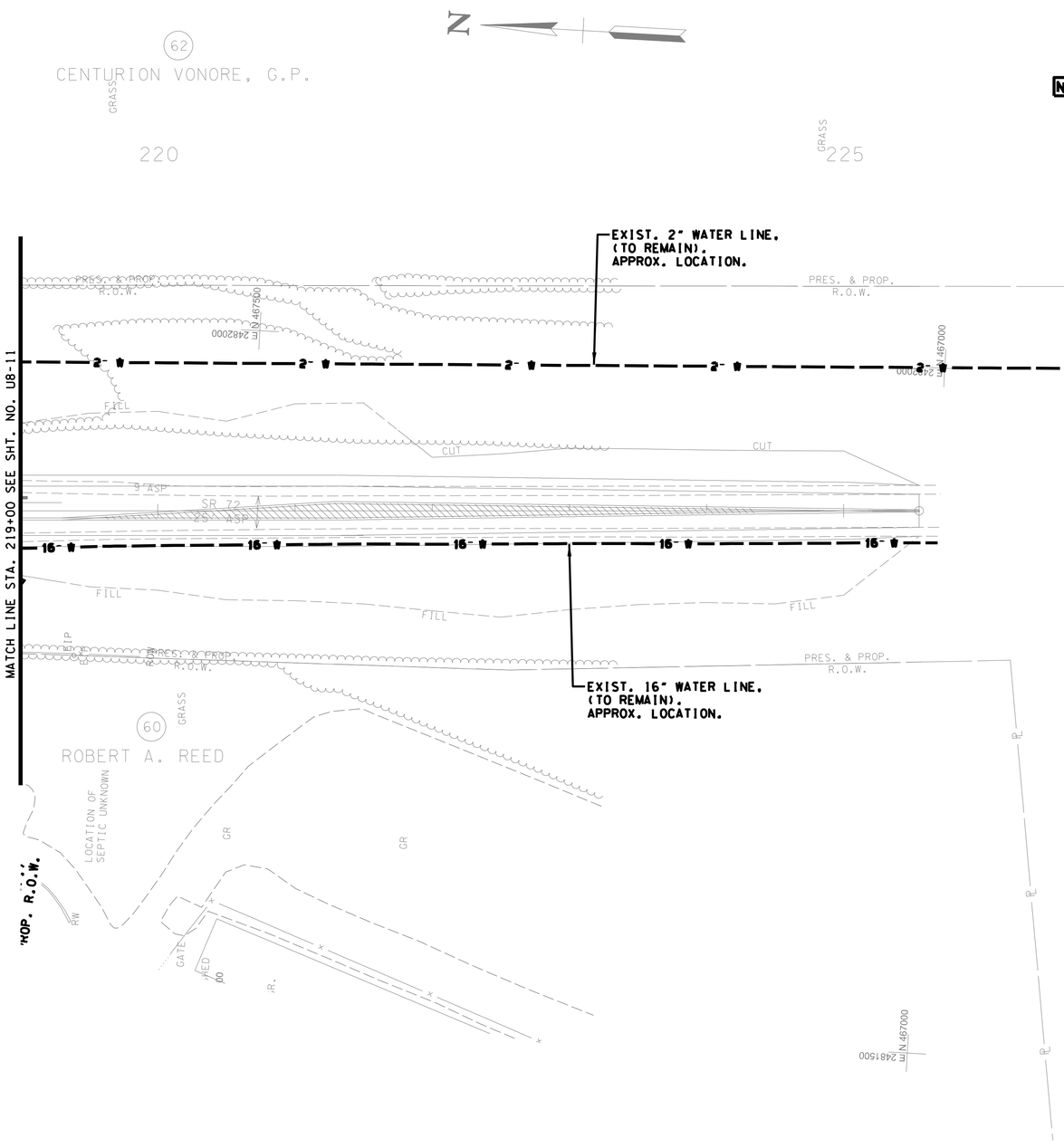
SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\016.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-15

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS
ARE BASED ON TDOT R.O.W.
REVISION 07/03/2024.



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WATER LINE RELOCATION PLANS

BY

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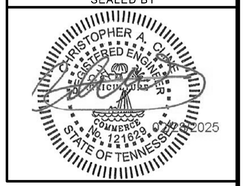

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

WATER LINE RELOCATION

STA. 219+00 TO STA. 225+55

SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\017.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-16

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
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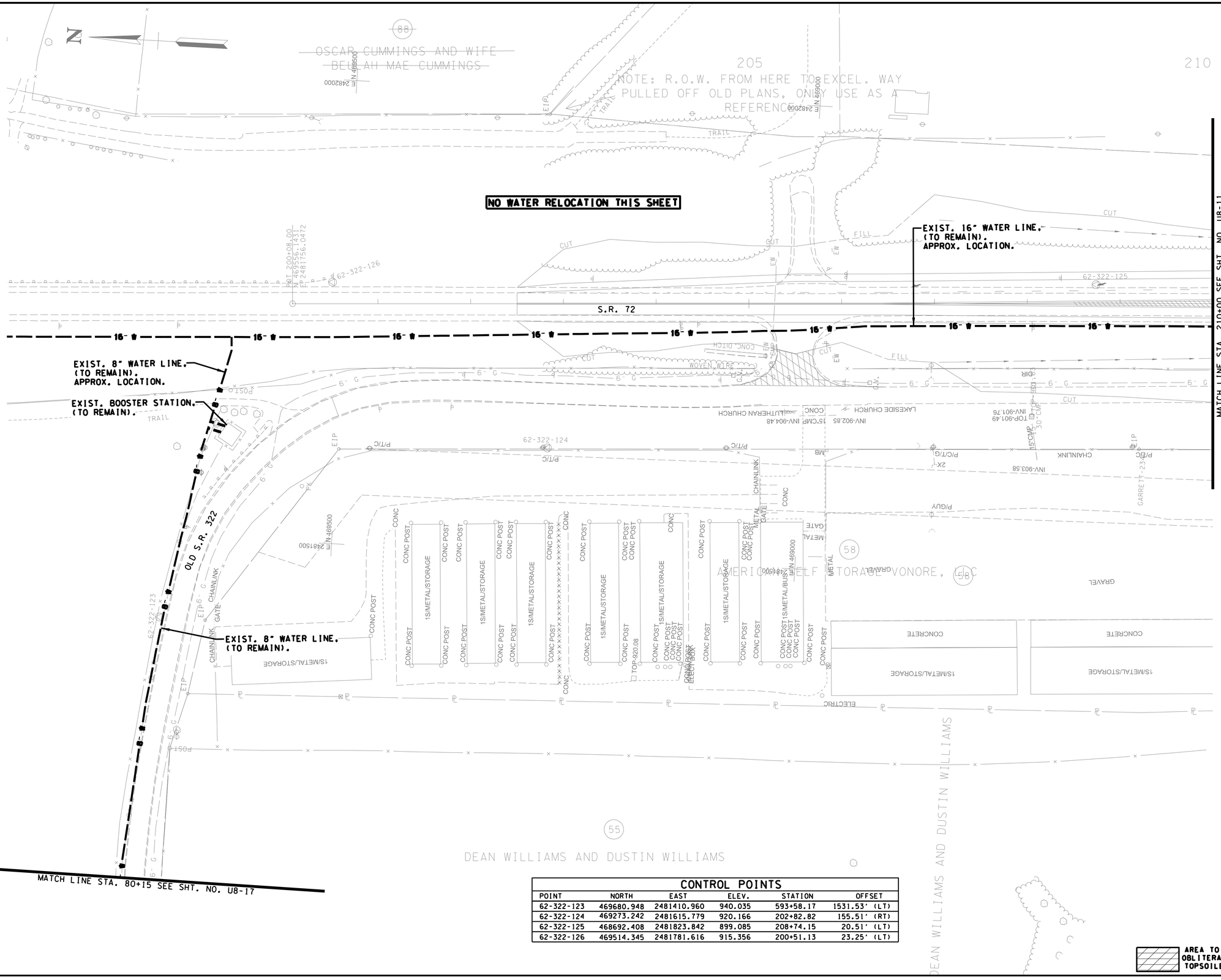

CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-123	469680.948	2481410.960	940.035	593+58.17	1531.53' (LT)
62-322-124	469273.242	2481615.779	920.166	202+82.82	155.51' (RT)
62-322-125	468692.408	2481823.842	899.085	208+74.15	20.51' (LT)
62-322-126	469514.345	2481781.616	915.356	200+51.13	23.25' (LT)

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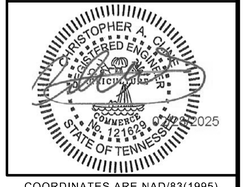

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE 'D' RELOCATION

STA. 202+50 TO STA. 210+00

SCALE: 1"=50'

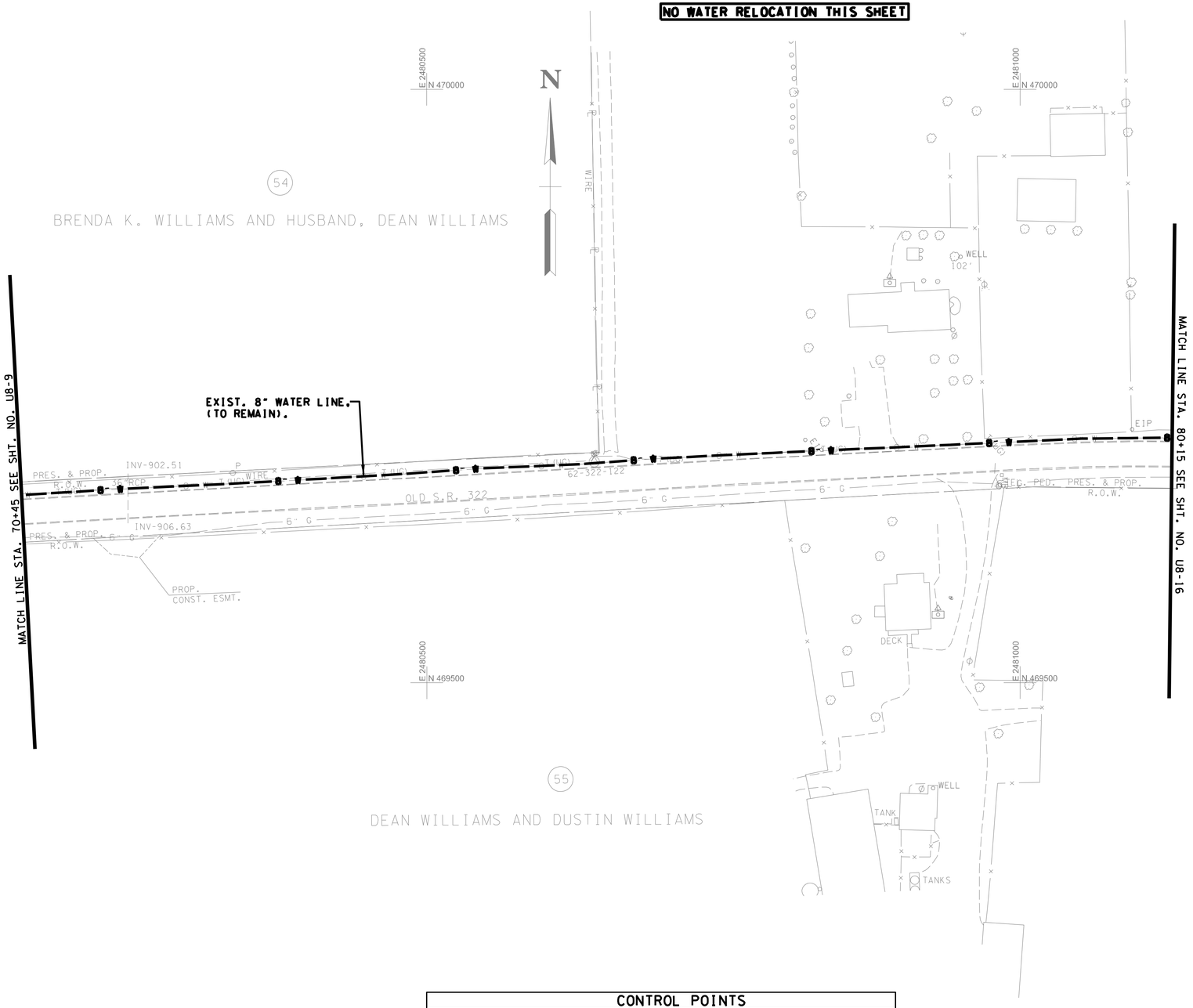
1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\018.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-17

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.

NO WATER RELOCATION THIS SHEET



CONTROL POINTS					
POINT	NORTH	EAST	ELEV.	STATION	OFFSET
62-322-122	469686.182	2480641.158	924.912	582+27.83	935.94' (LT)

Tellico Area Services System
P.O. BOX 277 VONORE, TENNESSEE 37885

WATER LINE RELOCATION BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
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865.670.8555
www.cci-corp.com

WATER PLANS

SEALED BY

CHRISTOPHER A. CLARK
REGISTERED ENGINEER
No. 121929
STATE OF TENNESSEE
1/16/2025

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

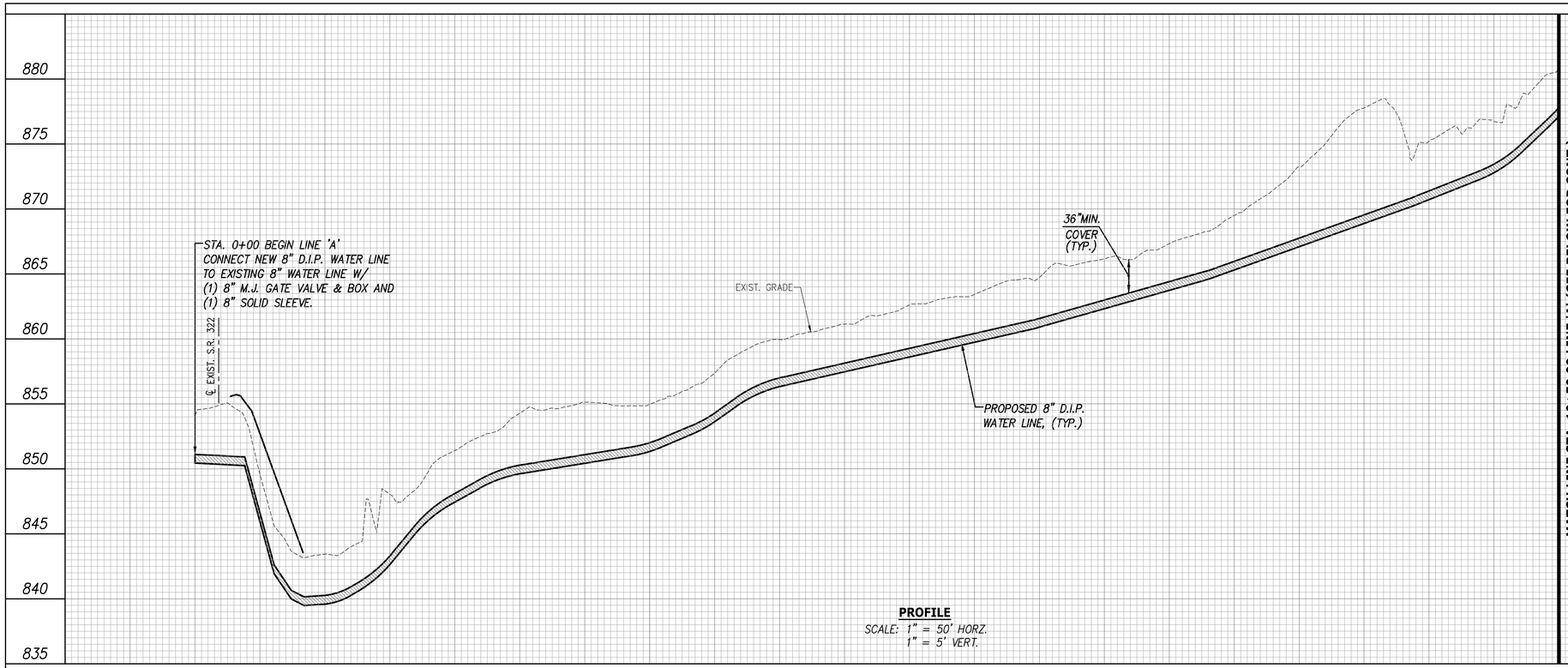
WATER LINE 'D' RELOCATION

STA. 70+45 TO STA. 80+15

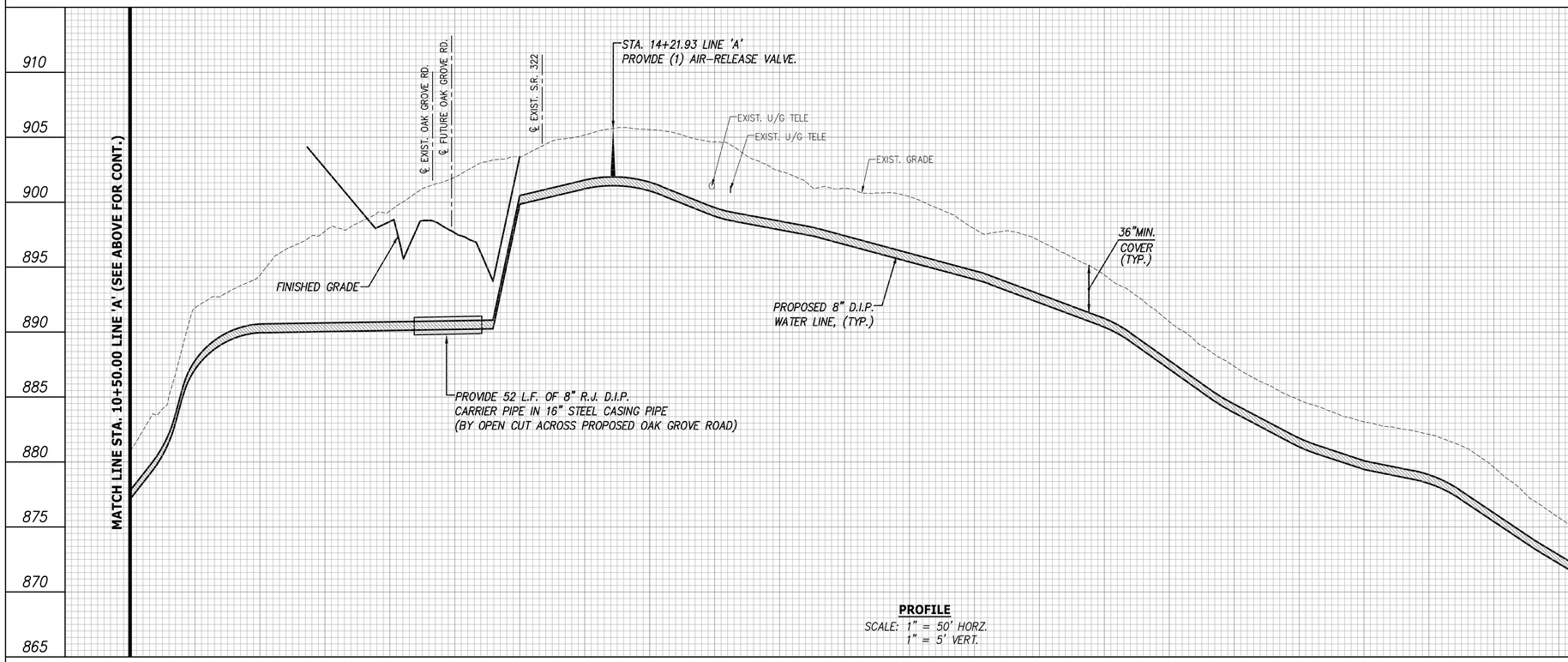
SCALE: 1"=50'

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\019.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-18



PROFILE
SCALE: 1" = 50' HORZ.
1" = 5' VERT.



PROFILE
SCALE: 1" = 50' HORZ.
1" = 5' VERT.

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
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Tellico Area Services System
P.O. BOX 272 VONORE, TENNESSEE 37885

WATER LINE RELOCATION BY

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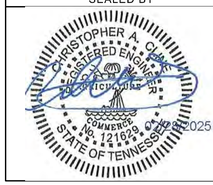
WATER PROFILES

SEALED BY



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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE 'A' RELOCATION

SCALE: AS SHOWN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-19

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
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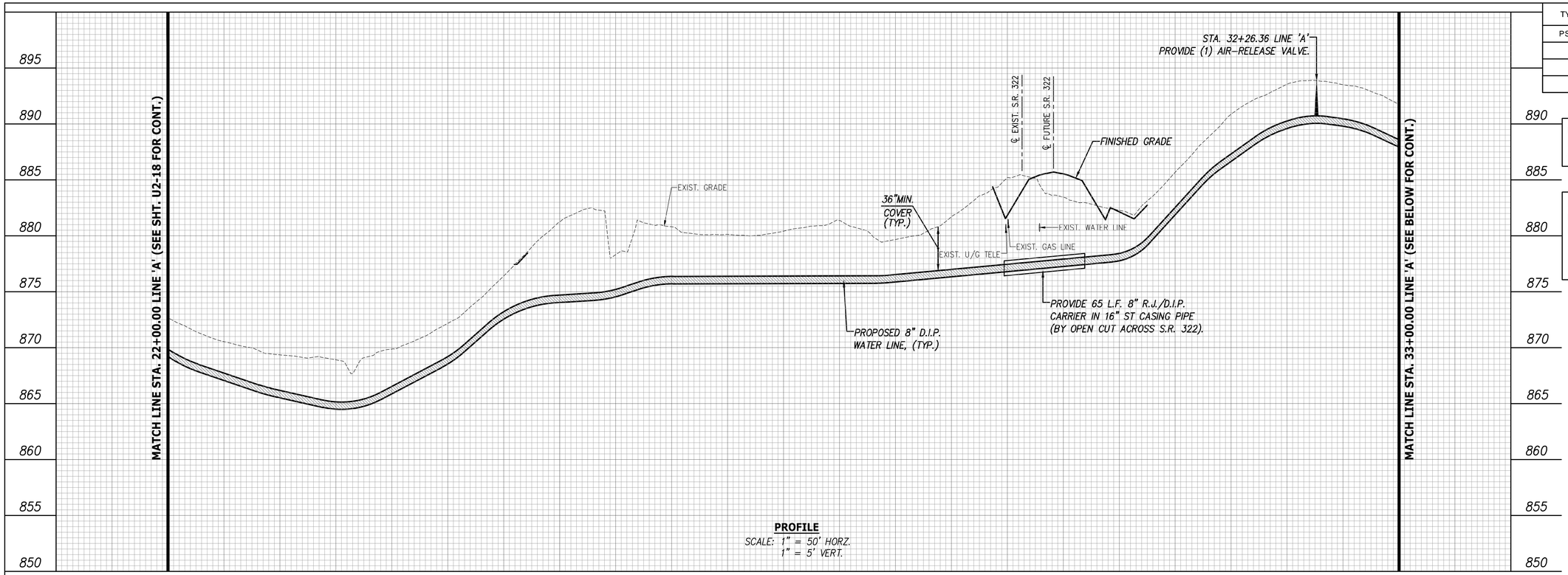

PROFILE
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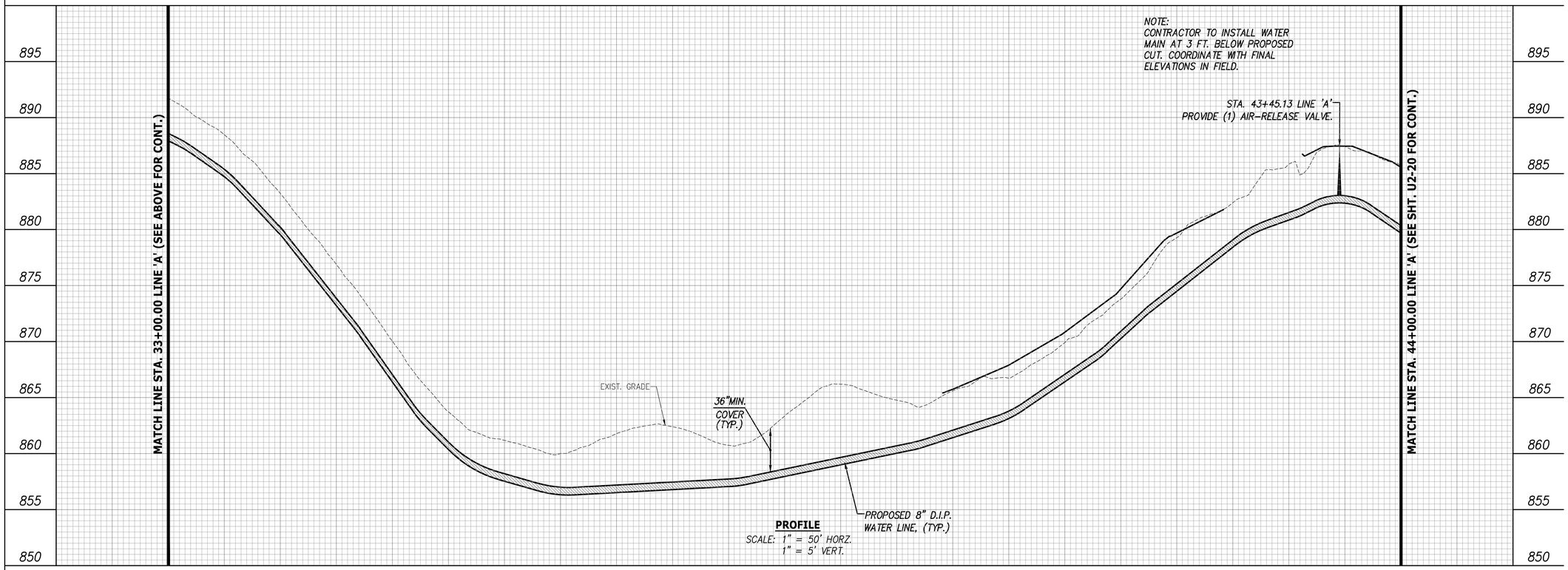
1" = 5' VERT.



PROFILE
SCALE: 1" = 50' HORZ.
1" = 5' VERT.

Tellico Area Services System
P.O. BOX 272 VONORE, TENNESSEE 37885

WATER LINE RELOCATION

BY

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Knoxville, TN 37932
865.670.8555
www.cci-corp.com

WATER PROFILES

SEALED BY

CHRISTOPHER A. CANNON
REGISTERED ENGINEER
No. 121629
STATE OF TENNESSEE
01/16/2025

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE 'A' RELOCATION

SCALE: AS SHOWN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-20

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

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DATE: 01/16/2026
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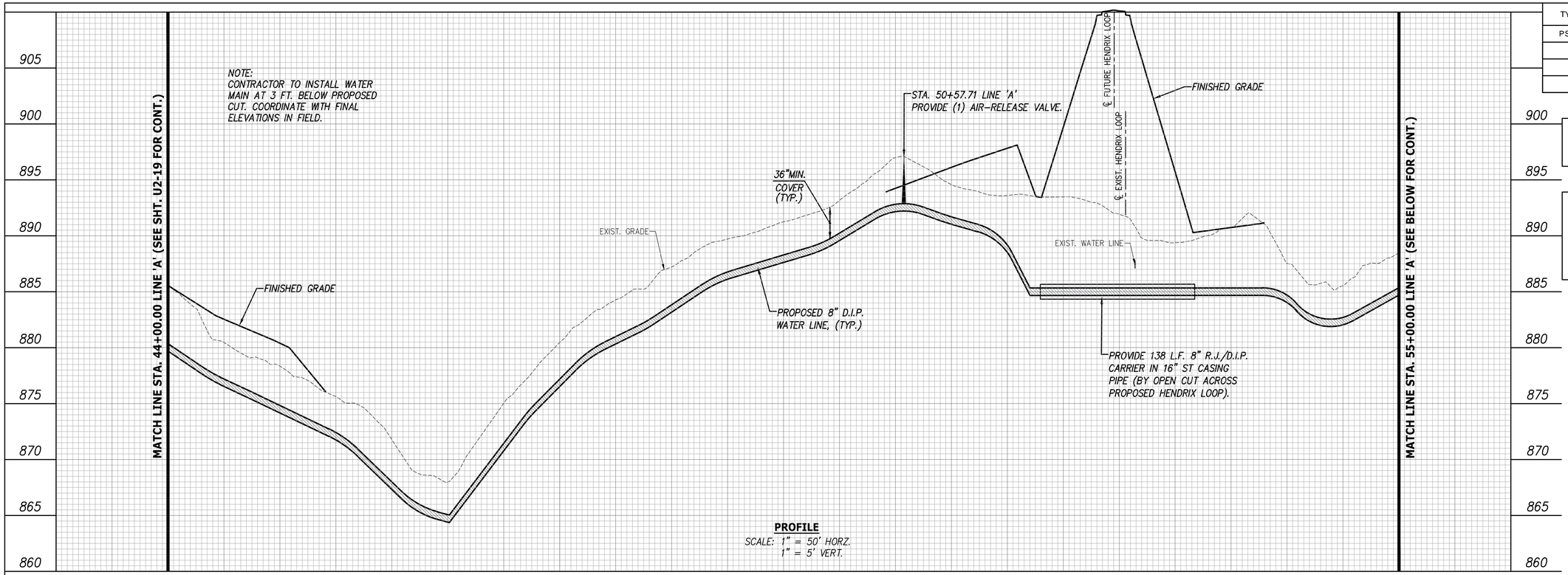

PROFILE
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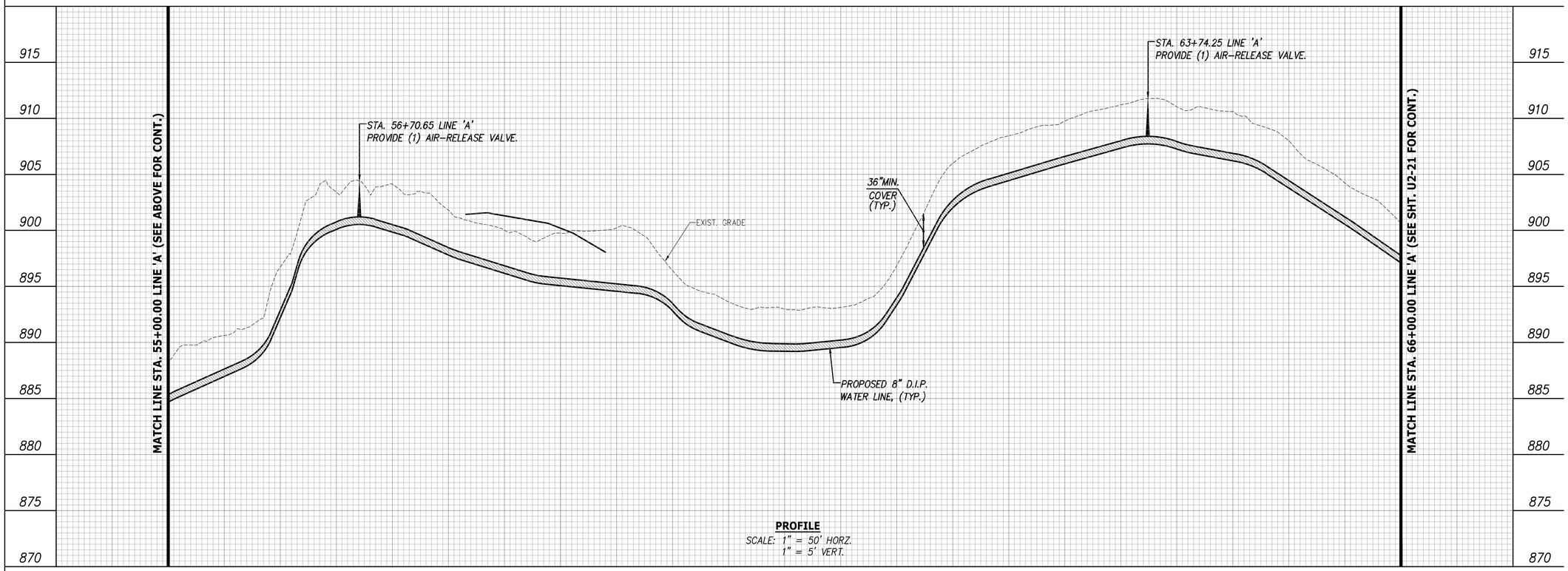
1" = 5' VERT.



PROFILE
SCALE: 1" = 50' HORZ.
1" = 5' VERT.

Tellico Area Services Systems
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WATER LINE RELOCATION BY

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WATER PROFILES

SEALED BY

CHRISTOPHER A. CLARK
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 121629
STATE OF TENNESSEE
2025

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE 'A' RELOCATION

SCALE: AS SHOWN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-21

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
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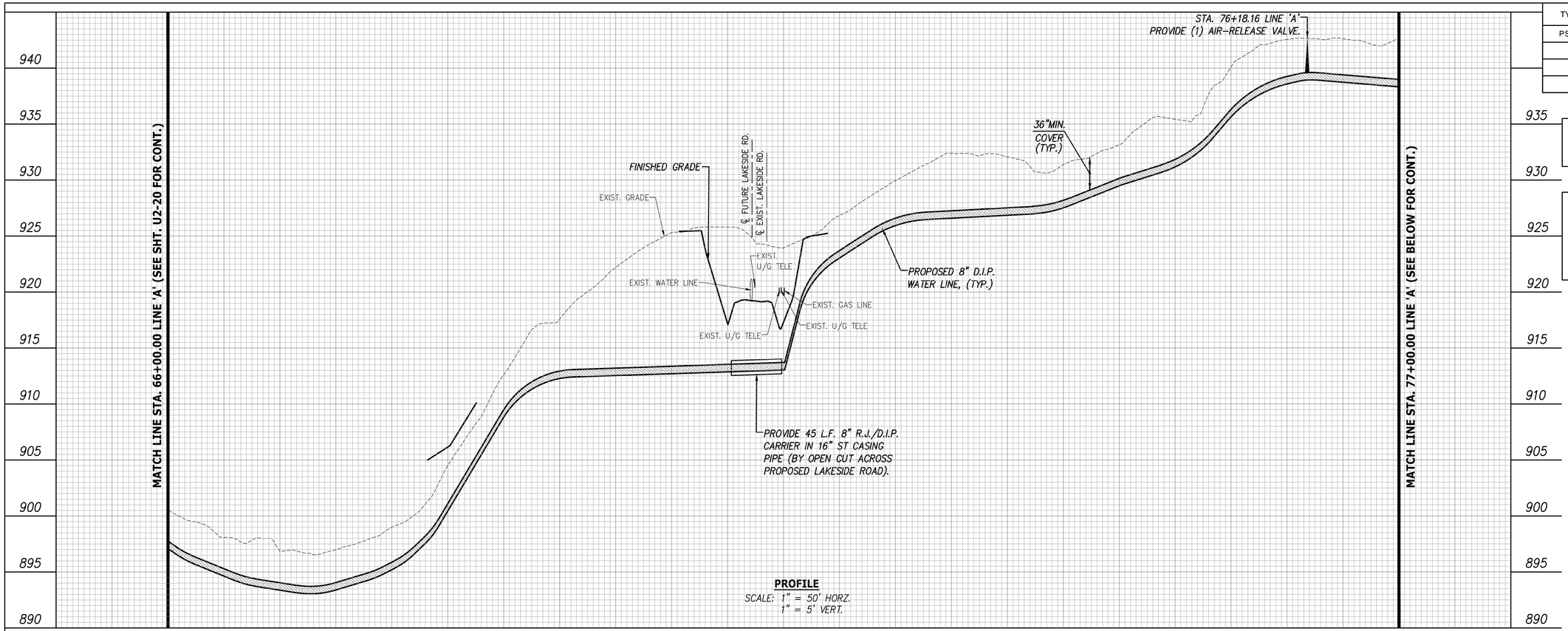
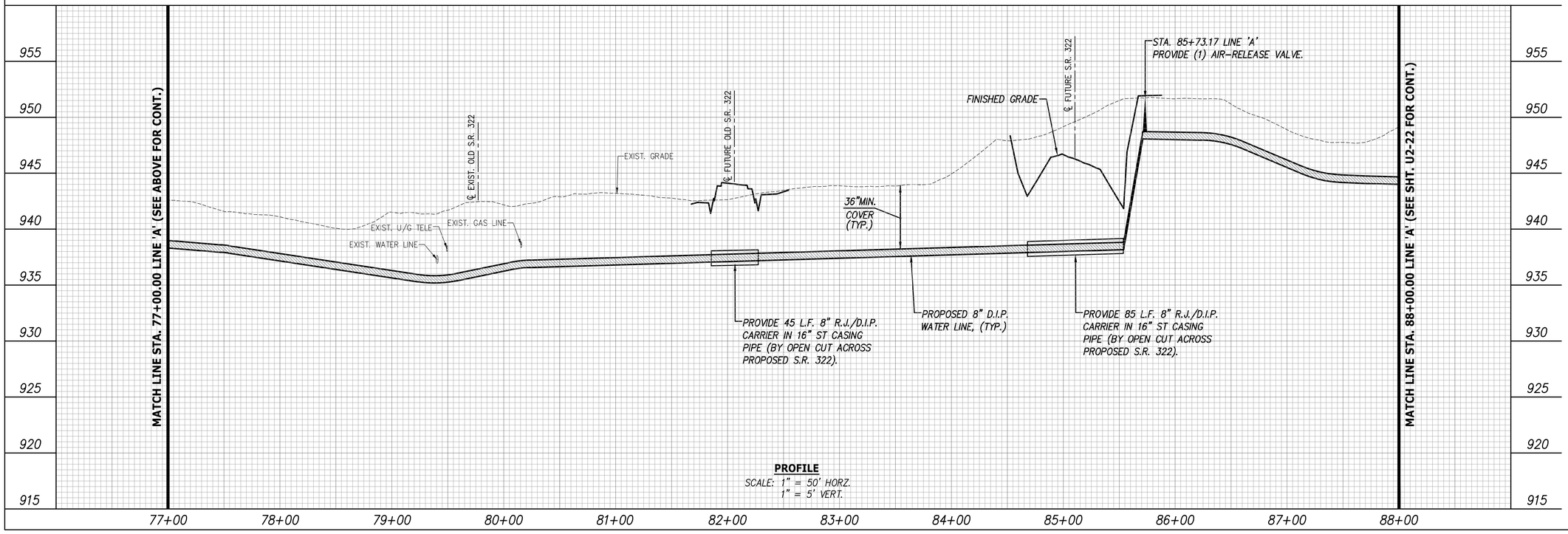


PROFILE
SCALE: 1" = 50' HORZ.
1" = 5' VERT.



PROFILE
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1" = 5' VERT.

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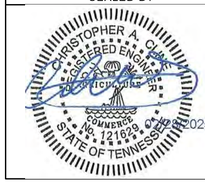

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WATER LINE 'A' RELOCATION

SCALE: AS SHOWN

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MONROE COUNTY
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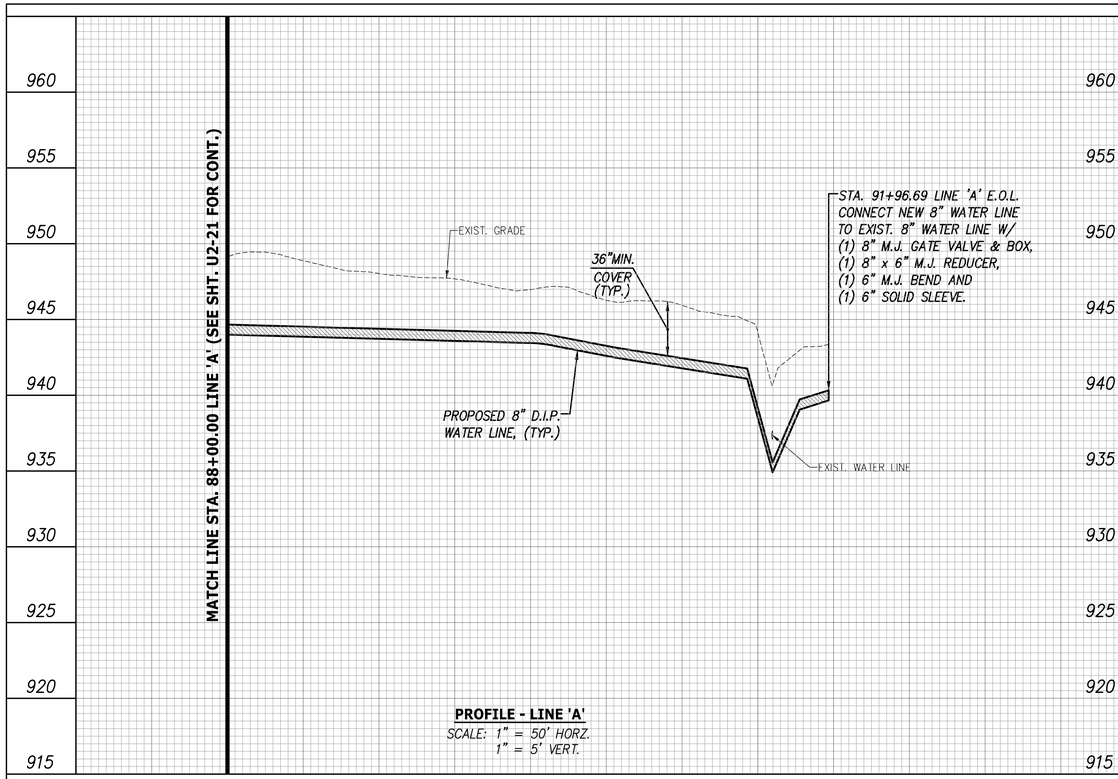
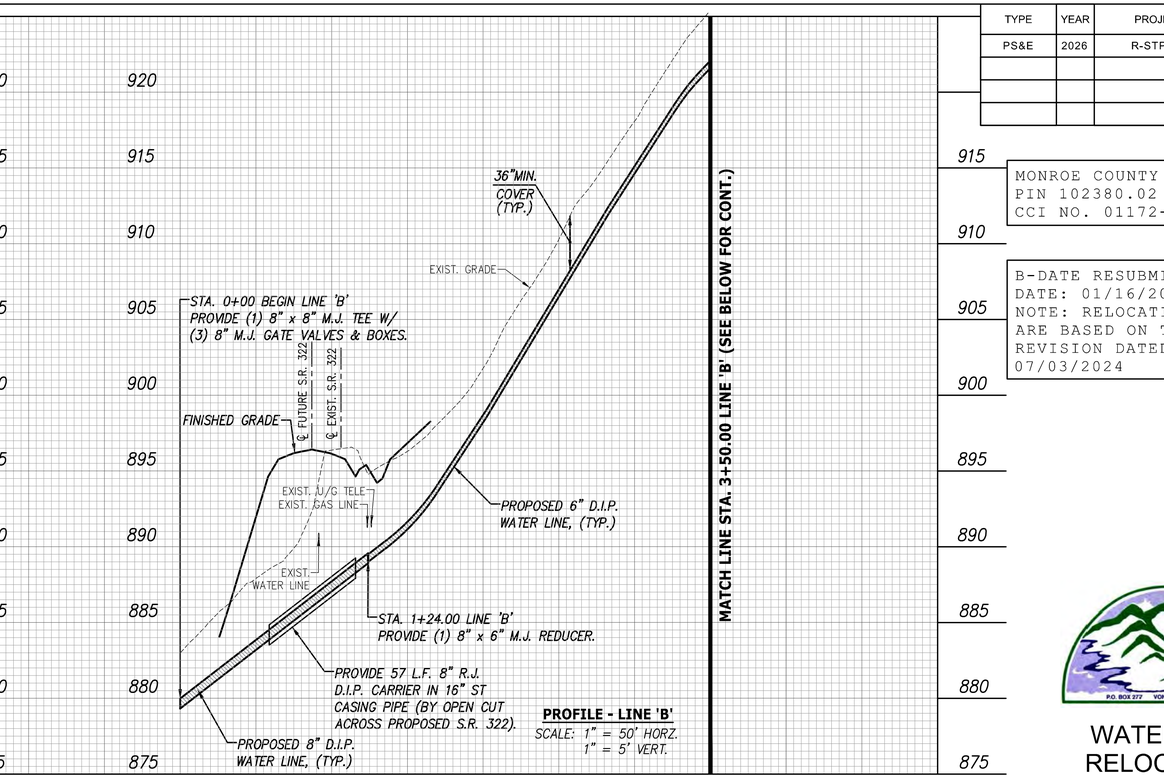
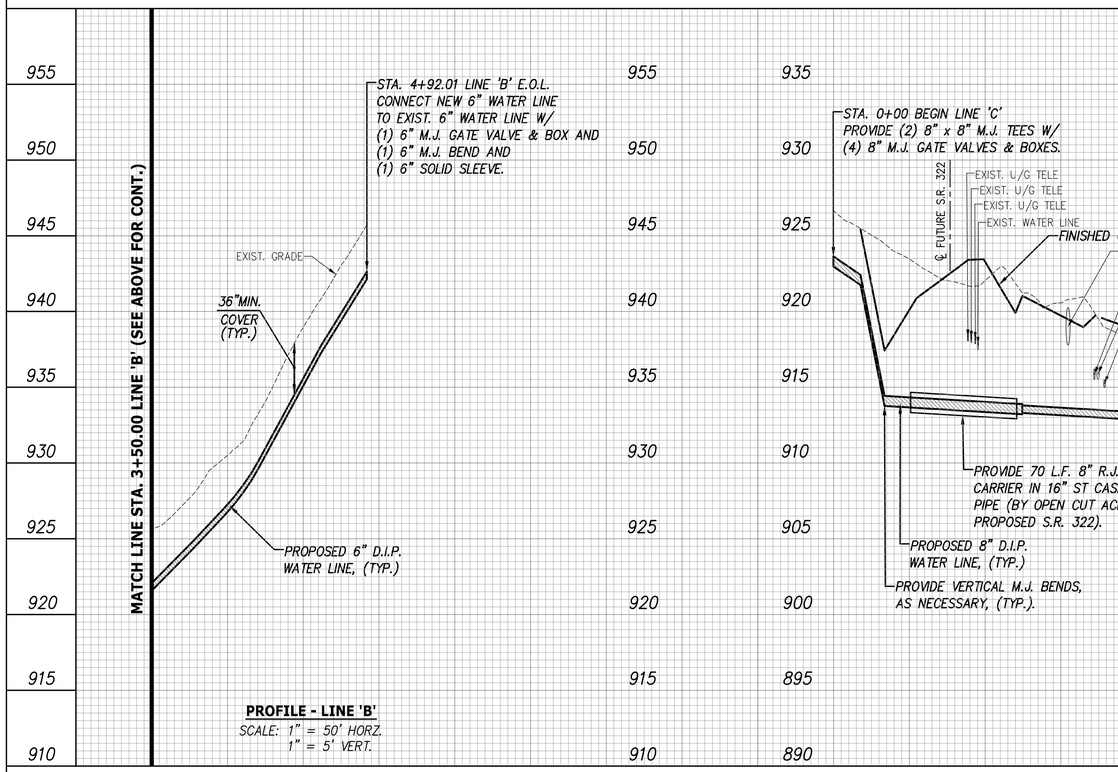


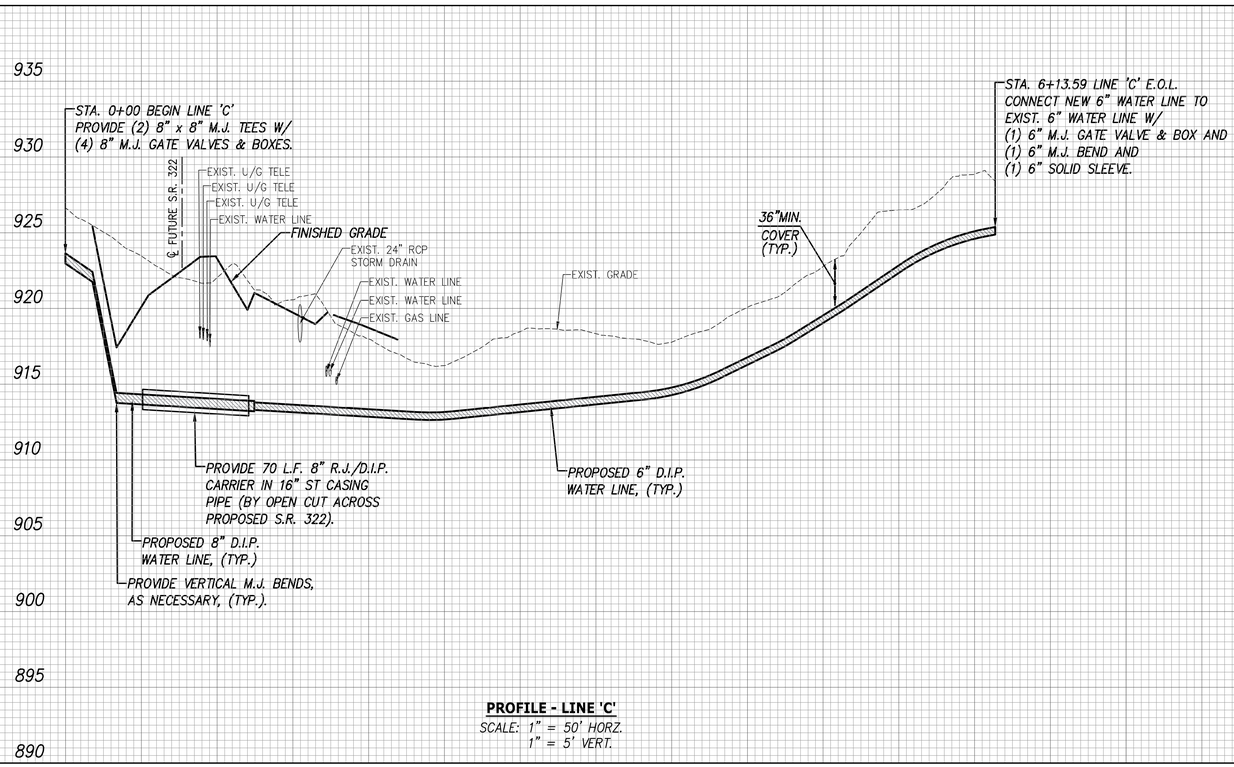
PROFILE - LINE 'A'
SCALE: 1" = 50' HORZ.
1" = 5' VERT.



PROFILE - LINE 'B'
SCALE: 1" = 50' HORZ.
1" = 5' VERT.



PROFILE - LINE 'B'
SCALE: 1" = 50' HORZ.
1" = 5' VERT.



PROFILE - LINE 'C'
SCALE: 1" = 50' HORZ.
1" = 5' VERT.

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WATER PROFILES

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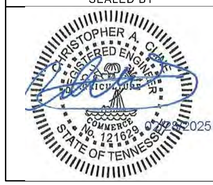

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE 'A', 'B' & 'C' RELOCATION

SCALE: AS SHOWN

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-23

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
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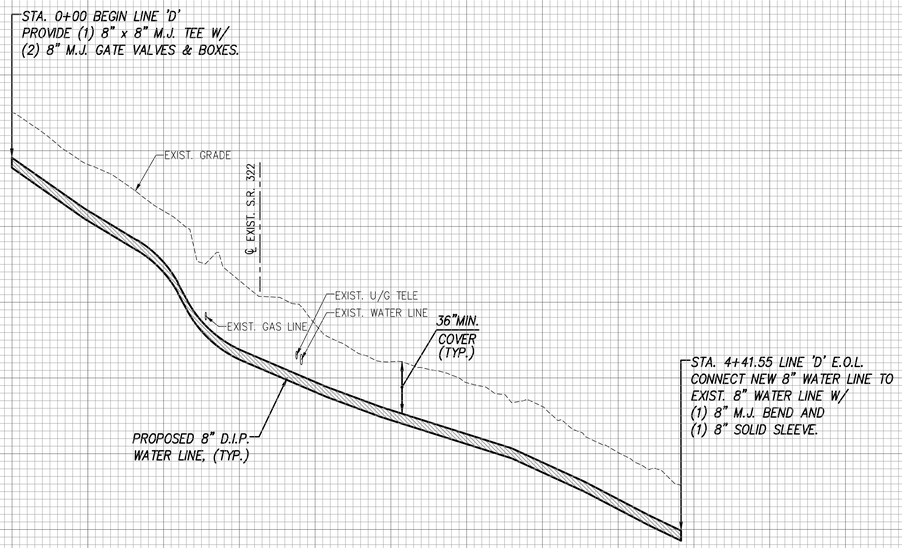
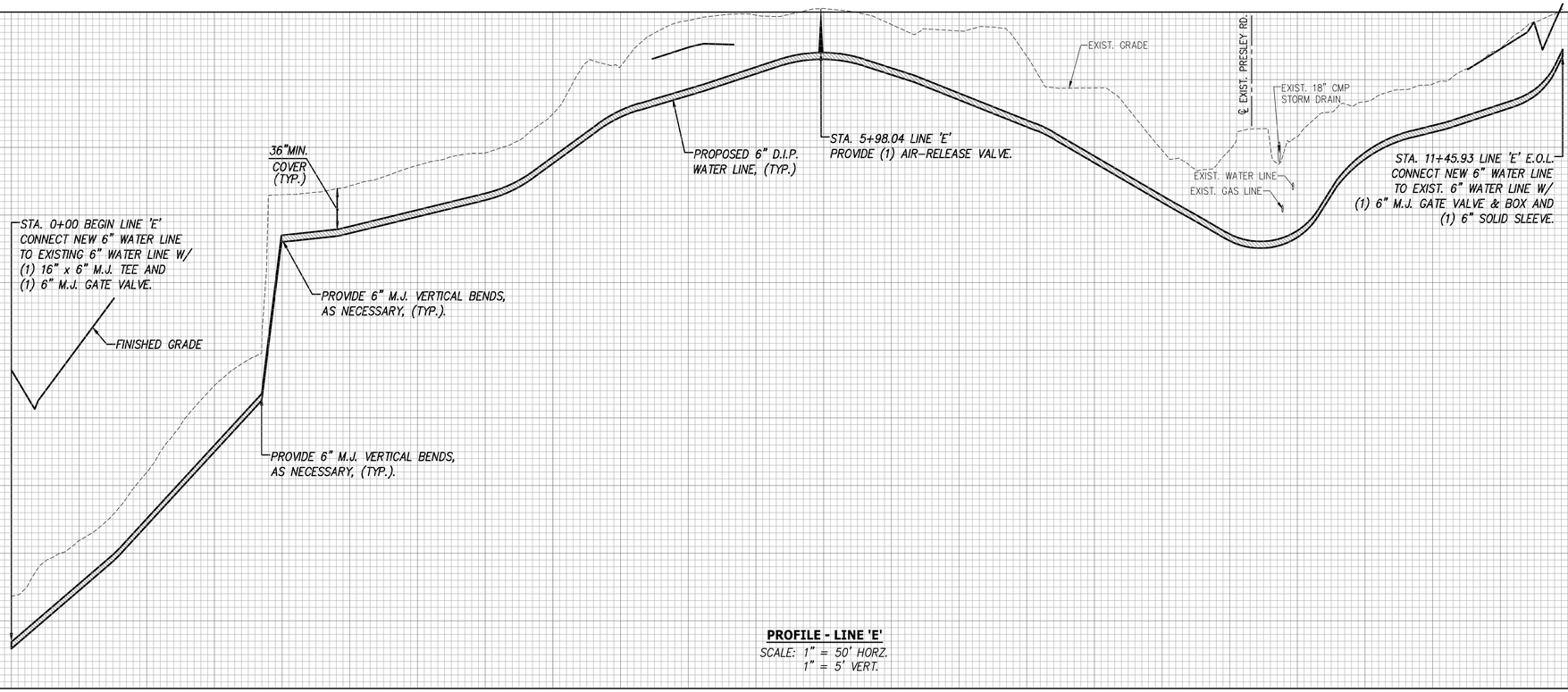


PROFILE - LINE 'D'
SCALE: 1" = 50' HORZ.
1" = 5' VERT.



PROFILE - LINE 'E'
SCALE: 1" = 50' HORZ.
1" = 5' VERT.

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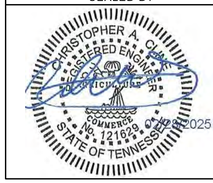

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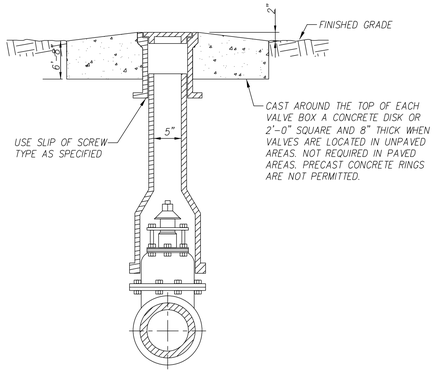
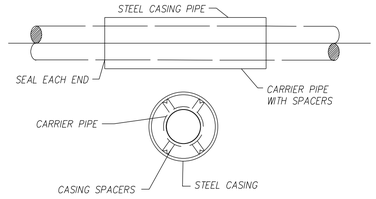
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE 'D' & 'E' RELOCATION

SCALE: AS SHOWN

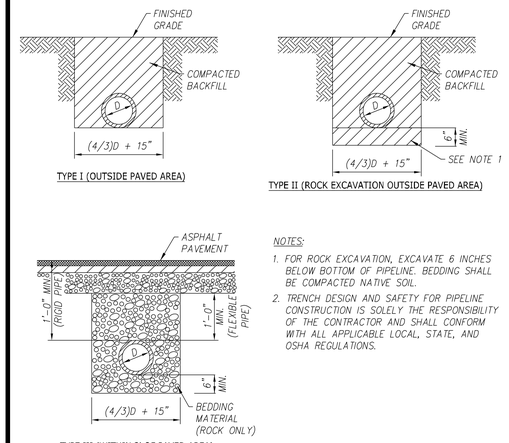


1 — **TYPICAL VALVE BOX**
N.T.S.



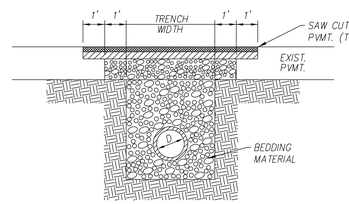
NOTES:
1. ALL CARRIER PIPE JOINTS INSIDE CASING SHALL BE RESTRAINED
2. RESTRAINING GASKETS FOR PUSH-ON JOINT PIPE SHALL BE "FIELD LOK350" AS MANUFACTURED BY US PIPE OR APPROVED EQUAL

2 — **CASING PIPE DETAIL**
N.T.S.



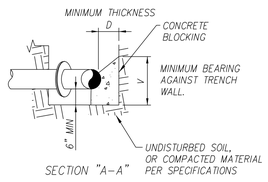
NOTES:
1. FOR ROCK EXCAVATION, EXCAVATE 6 INCHES BELOW BOTTOM OF PIPELINE. BEDDING SHALL BE COMPACTED NATIVE SOIL.
2. TRENCH DESIGN AND SAFETY FOR PIPELINE CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, AND OSHA REGULATIONS.

3 — **PIPE BEDDING & BACKFILL**
N.T.S.

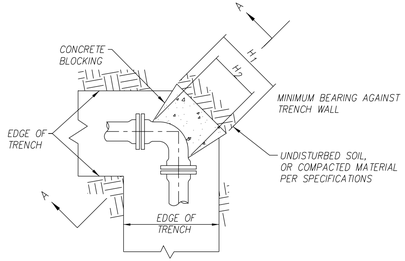


NOTES:
1. MATCH EXISTING ASPHALT PAVEMENT THICKNESS OR MINIMUM THICKNESS 2".
2. WHEN A TEMPORARY ASPHALT PATCH IS USED, IT SHALL BE PLACED IMMEDIATELY AFTER CRUSHED STONE BACKFILL. ALL TEMPORARY REPAIRS MUST BE PLACED PERMANENTLY WITHIN 90 DAYS.
3. WHEN "PATCHMASTER" EQUIPMENT IS USED, PAVEMENT MAY BE CUT AT THE EDGE OF TRENCH.
4. PAVEMENT REPAIR SHALL MEET THE REQUIREMENTS OF THE SOUTH BLOUNT UTILITY DISTRICT AND THE BLOUNT COUNTY HIGHWAY DEPARTMENT.

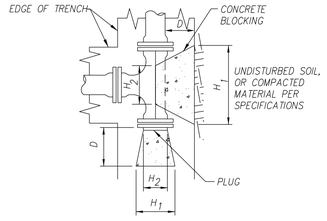
4 — **PAVEMENT REPAIR**
N.T.S.



SECTION "A–A"

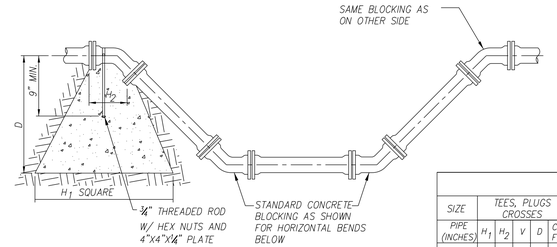


HORIZONTAL BENDS



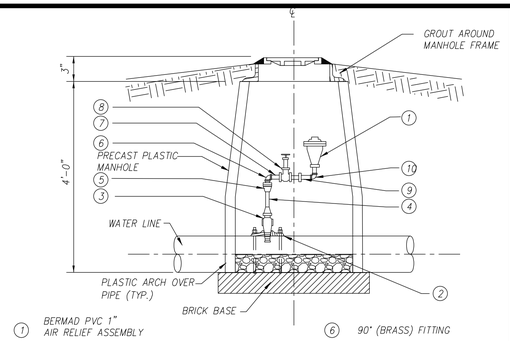
NOTES:
1. THRUST BLOCKING BASED UPON AN INTERNAL HYDROSTATIC PRESSURE OF 200 PSI AND AN ALLOWABLE SOIL BEARING CAPACITY OF 4000 LBS/SF. CONTRACTOR SHALL INCREASE THRUST BLOCK SIZE AS REQUIRED AND PROVIDE CALCULATIONS TO SUPPORT SAID MODIFICATION SHOULD PRESSURE BE GREATER AND/OR SOIL BEARING CAPACITY SHOULD BE LESS THAN THAT NOTED ABOVE.
2. S.B.C.U.D. SHALL APPROVE ALL THRUST BLOCKS.
3. WRAP ALL FITTINGS & PIPE IN PLASTIC PRIOR TO PLACING CONCRETE.

5 — **THRUST BLOCK DETAIL**
N.T.S.



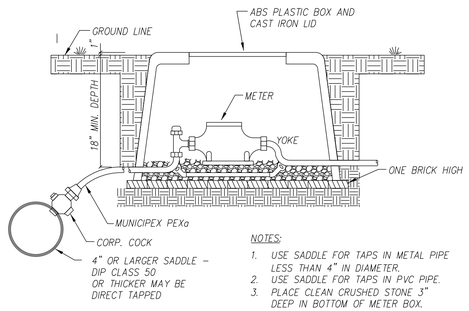
VERTICAL BENDS

TABLE OF DIMENSIONS FOR CONCRETE BLOCKING																								
SIZE	TEES, PLUGS CROSSES					90° BENDS					45° BENDS					22 1/2° BENDS					11 ¼° BENDS					SIZE
PIPE (INCHES)	H_1	H_2	V	D	CU FT.	H_1	H_2	V	D	CU FT.	H_1	H_2	V	D	CU FT.	H_1	H_2	V	D	CU FT.	H_1	H_2	V	D	CU FT.	PIPE
2&2-1/4	18	10	12	18	1.9	18	10	12	18	1.9	18	6	12	18	1.5	18	6	12	18	1.5	18	6	12	18	1.5	2&2-1/4
3 & 4	24	12	12	18	2.3	24	12	12	18	2.3	18	8	12	18	1.6	18	8	12	18	1.6	18	8	12	18	1.6	3 & 4
6	24	16	18	18	3.5	30	16	18	18	4.1	24	10	16	18	3.2	24	10	16	18	3.2	24	10	16	18	3.2	6
8	36	18	18	18	5.1	39	18	24	18	7.3	30	11	18	18	4.0	24	11	18	18	3.5	24	11	16	18	3.4	8
10	48	24	18	24	7.2	54	32	24	18	10.3	24	18	21	18	4.6	24	18	21	18	4.6	24	18	21	18	4.6	10
12	54	30	24	24	13.4	54	32	36	24	18.2	42	18	24	24	9.6	24	18	24	24	6.6	24	18	21	24	6.1	12
18	60	45	30	30	27.3	60	45	36	30	32.8	47	24	30	30	18.5	34	18	34	34	17.0	34	18	34	34	17.0	18
20	62	48	30	30	28.1	62	48	36	31	34.8	56	24	31	30	21.5	36	24	36	36	22.5	36	24	36	36	22.5	20
24	64	48	32	32	33.2	64	48	36	32	36.1	64	30	32	32	27.9	40	24	40	40	29.0	40	24	40	40	29.0	24



1. BERMAD PVC 1" AIR RELIEF ASSEMBLY
2. TAPPING SADDLE 8" x 1" OR 12" x 2" (DIP MAY BE DIRECT TAPPED)
3. CORP STOP
4. COPPER
5. MALE ADAPTOR (BRASS)
6. 90° (BRASS) FITTING
7. SHORT NIPPLE (BRASS)
8. 1/4 TURN BRASS BALL VALVE
9. SHORT NIPPLE
10. 90° FITTING

6 — **AIR RELEASE VALVE ASSEMBLY**
N.T.S.



NOTES:
1. USE SADDLE FOR TAPS IN METAL PIPE LESS THAN 4" IN DIAMETER.
2. USE SADDLE FOR TAPS IN PVC PIPE.
3. PLACE CLEAN CRUSHED STONE 3" DEEP IN BOTTOM OF METER BOX.

7 — **SERVICE ASSEMBLY**
N.T.S.

Ductile IronPipe Size (inches)										
Fitting/Valve Type	2	4	6	8	10	12	16	18	20	24
Minimum Restrained Length (Feet)										
Plug/Cap	40	40	60	80	80	80	100	120	140	140
Inline Valve	40	40	60	80	80	80	100	120	140	140
Tee	40	40	40	60	80	80	100	120	140	140
90° Bend	20	40	40	40	60	60	80	80	100	100
45° Bend	20	20	20	20	20	40	40	40	60	60
22.5° Bend	20	20	20	20	20	20	20	20	20	20
11.25° Bend	20	20	20	20	20	20	20	20	20	20
Reducer	SEE NOTE 3		SEE NOTE 3		SEE NOTE 3		SEE NOTE 3		SEE NOTE 3	

NOTES:
1. CONTRACTOR SHALL USE MECHANICAL JOINT RESTRAINED JOINT FITTINGS FOR EVERY FITTING INSTALLED ON THE PROJECT.
2. RESTRAINT SYSTEM SHOWN IS DESIGNED FOR DUCTILE IRON PIPE BEDDED IN 4 INCHES MINIMUM LOOSE SOIL WITH BACKFILL LIGHTLY CONSOLIDATED TO TOP OF THE PIPE (TRENCH TYPE 3), BACKFILLED WITH NATIVE CLAY SOIL (CL), TEST PRESSURE 250 PSI, 3 FT OF COVER. WHERE THIS SYSTEM IS INAPPROPRIATE BECAUSE OF DIFFERENT CONDITIONS, SUBMIT DETAILS OF ALTERNATE SYSTEM TO OWNER FOR APPROVAL.
3. SUBMIT DETAILS OF RESTRAINT SYSTEM FOR REDUCERS TO OWNER FOR APPROVAL.
4. WHERE RESTRAINED JOINT FITTINGS ARE REQUIRED BY THE PLANS OR SPECIFICATIONS, RESTRAINED JOINT FITTINGS MUST BE INSTALLED AS REQUIRED BY THE TABLES AND NOTES FOUND WITHIN THE PLANS AND SPECIFICATIONS.
5. RETAINER GLANDS SHALL BE "MEGALUG" AS MANUFACTURED BY EBAA IRON, INC., SIGMA ONE-LOK SERIES SLDE, OR APPROVED EQUAL AND SHALL BE INSTALLED ON EVERY FITTING.
6. CONTRACTOR SHALL INSTALL DUCTILE IRON PIPE WITH RESTRAINING GASKETS FOR PUSH-ON JOINT PIPE A MINIMUM DISTANCE FROM EACH VALVE OR FITTING AS REQUIRED IN THE ABOVE TABLE. GASKETS SHALL BE FIELD LOK 350 AS MANUFACTURED BY U.S. PIPE OR APPROVED EQUAL

8 — **THRUST RESTRAINT TABLE**
N.T.S.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-24

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.

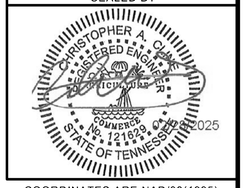
Tellico Area Services System
P.O. BOX 277 VONORE, TENNESSEE 37885

WATER LINE RELOCATION BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

WATER PLANS

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000085 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

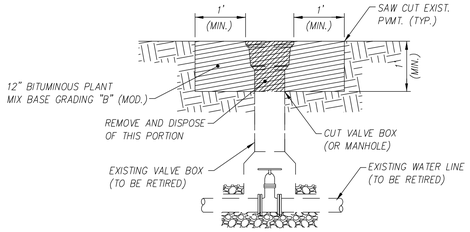
WATER LINE DETAILS

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\Details.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	R-STP-322(15)	U8-25

MONROE COUNTY
PIN 102380.02
CCI NO. 01172-0005

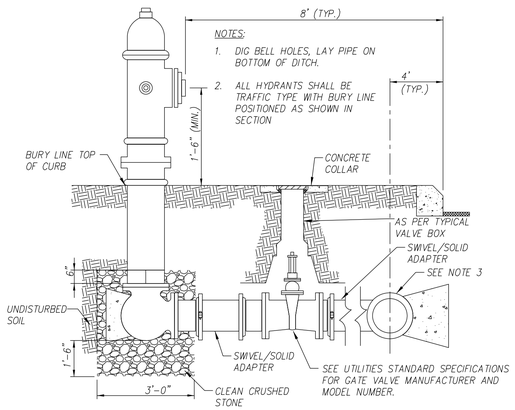
B-DATE RESUBMITTAL
DATE: 01/16/2026
NOTE: RELOCATION PLANS ARE BASED ON TDOT R.O.W. REVISION 07/03/2024.



NOTES:

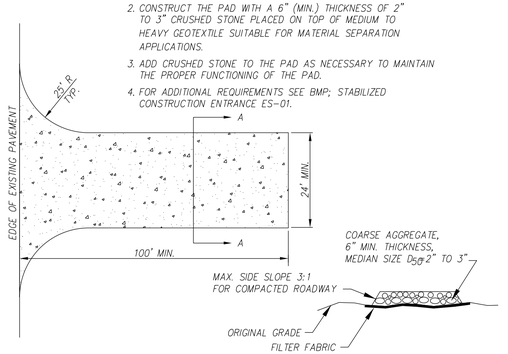
1. AFTER EXISTING WATER LINE(S) HAVE BEEN RETIRED, SAW CUT EXISTING PAVEMENT A MINIMUM OF 1 FOOT BEYOND THE OUTSIDE EDGE OF VALVE (OR STRUCTURE) TO A MINIMUM DEPTH OF 1 FOOT.
2. CUT VALVE BOX (OR MANHOLE) AT 1 FOOT BELOW GRADE, REMOVE TOP PORTION, AND DISPOSE OF REMOVED MATERIAL PROPERLY. CONTRACTOR MAY REMOVE ENTIRE TOP SECTION OF VALVE BOX (OR MANHOLE) WITHOUT CUTTING IF APPROPRIATE, AT NO ADDITIONAL COST TO OWNER.
3. PROVIDE #57 CRUSHED STONE FOR LEVELING COURSE TO 1 FOOT BELOW GRADE.
4. WHEN A TEMPORARY ASPHALT PATCH IS USED, IT SHALL BE PLACED IMMEDIATELY AFTER CRUSHED STONE BACKFILL. ALL TEMPORARY REPAIRS MUST BE REPLACED PERMANENTLY WITHIN 90 DAYS.

9 — **TYPICAL VALVE BOX & MANHOLE RETIREMENT DETAIL**
N.T.S.



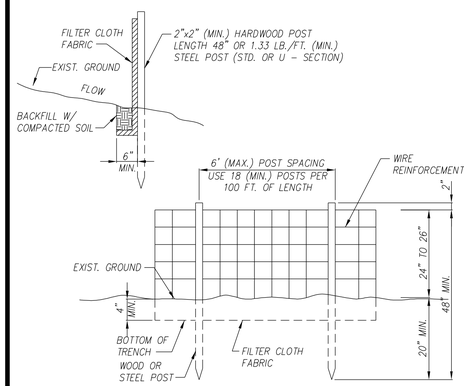
NOTES:
1. DIG BELL HOLES, LAY PIPE ON BOTTOM OF DITCH.
2. ALL HYDRANTS SHALL BE TRAFFIC TYPE WITH BURY LINE POSITIONED AS SHOWN IN SECTION

10 — **FIRE HYDRANT ASSEMBLY**
N.T.S.



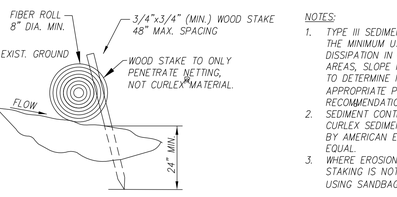
NOTES:
1. THE PURPOSE OF THE STABILIZED CONSTRUCTION ENTRANCE IS TO AID THE CONTRACTOR IN ELIMINATING TRACKING OF MUD ONTO PUBLIC STREETS. THIS DETAIL DOES NOT LIMIT THIS RESPONSIBILITY. OTHER METHODS OF SEDIMENT REMOVAL SHALL BE IMPLEMENTED IF THIS DOES NOT ADEQUATELY REMOVE THE MUD.
2. CONSTRUCT THE PAD WITH A 6" (MIN.) THICKNESS OF 2" TO 3" CRUSHED STONE PLACED ON TOP OF MEDIUM TO HEAVY GEOTEXTILE SUITABLE FOR MATERIAL SEPARATION APPLICATIONS.
3. ADD CRUSHED STONE TO THE PAD AS NECESSARY TO MAINTAIN THE PROPER FUNCTIONING OF THE PAD.
4. FOR ADDITIONAL REQUIREMENTS SEE BMP; STABILIZED CONSTRUCTION ENTRANCE ES-01.

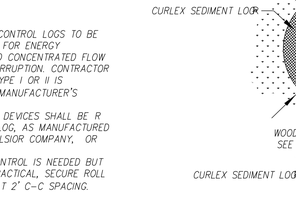
11 — **TEMPORARY CONSTRUCTION ENTRANCE**
N.T.S.



NOTES:
1. SILT FENCE SHALL BE PRE-ASSEMBLED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
2. SILT FENCE SHALL HAVE AN APPROVED BACKING OR A BUILT-IN REINFORCED STRUCTURE AS RECOMMENDED BY THE MANUFACTURER TO SUPPORT THE GEOTEXTILE FABRIC.
3. FOR ADDITIONAL REQUIREMENTS SEE BMP; SILT FENCE ES-14-1.

12 — **TEMPORARY TYPE 'C' SILT FENCE**
N.T.S.

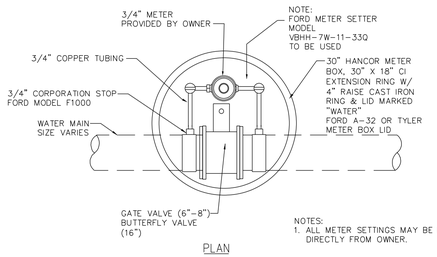




	TYPE I	TYPE II	TYPE III	TYPE IV
NORMAL DIAMETER	50 CM (20 IN)	30 CM (12 IN)	23 CM 9 IN)	15 CM (6 IN)
LENGTH	3.05 M (10 FT.)	3.05 M (10 FT.)	7.62 M (25 FT.)	7.62 M (25 FT.)
WEIGHT (±10%)	13.62 KG (30 LB)	9.08 KG (20 LB)	11.35 KG (25 LB)	5.45 KG (12 LB)
NET OPENING (HEXAGONAL-SHAPED)	2.5 CM (1 IN)	2.5 CM (1 IN)	1.9 CM (.75 IN)	1.3 CM (.5 IN)

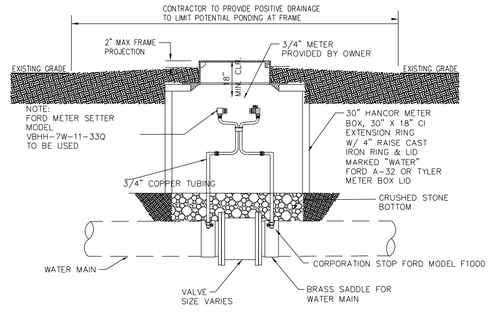
NOTES:
1. TYPE III SEDIMENT CONTROL LOGS TO BE THE MINIMUM USED FOR ENERGY DISSIPATION IN MILD CONCENTRATED FLOW AREAS, SLOPE INTERRUPTION. CONTRACTOR TO DETERMINE IF TYPE I OR II IS APPROPRIATE PER MANUFACTURER'S RECOMMENDATION.
2. SEDIMENT CONTROL DEVICES SHALL BE R CURLEX SEDIMENT LOG, AS MANUFACTURED BY AMERICAN EXCELSIOR COMPANY, OR EQUAL.
3. WHERE EROSION CONTROL IS NEEDED BUT STAKING IS NOT PRACTICAL, SECURE ROLL USING SANDBAGS AT 2' C-C SPACING.

13 — **TEMPORARY SEDIMENT LOGS**
N.T.S.



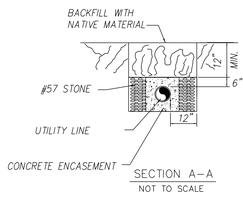
PLAN

NOTES:
1. ALL METER SETTINGS MAY BE PURCHASED DIRECTLY FROM OWNER.

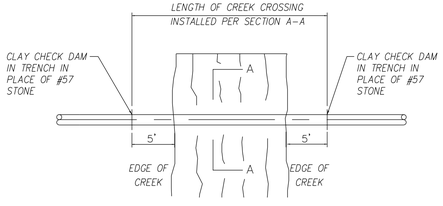


ELEVATION

16 — **LEAK DETECTION STATION**
N.T.S.

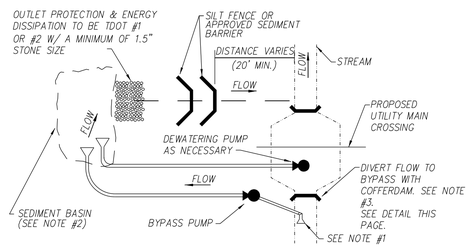


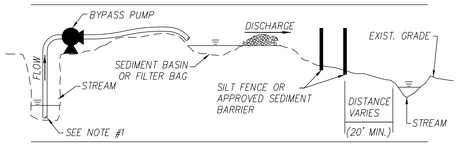
SECTION A-A
NOT TO SCALE



NOTES:
1. PIPE SHALL BE ENCASED IN CONCRETE IF LESS THAN 18" COVER BENEATH NATURAL STREAM BED.

14 — **CROSSING TRENCH DETAIL**
N.T.S.





NOTES:
1. INSTALL FABRIC FILTER ON PUMP INTAKE.
2. THE DESIGN OF SEDIMENT BASINS SHALL BE COMPLETED BY A PROFESSIONAL TRAINED IN THE DESIGN OF IMPOUNDMENT STRUCTURES, AND IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES. APPROVED FILTER BAGS MAY BE USED AS A SUBSTITUTE.
3. EXCAVATION AND FILL ACTIVITIES SHALL BE SEPARATED FROM FLOWING WATERS. ALL SURFACE WATER FLOWING TOWARD THE EXCAVATION OR FILL WORK SHALL BE DIVERTED THROUGH UTILIZATION OF COFFERDAMS OR BERMS. COFFERDAMS OR BERMS MUST BE PROTECTED BY NON-ERODIBLE MATERIAL AND LINED TO THE EXPECTED HIGH WATER LEVEL. COFFERDAMS MUST BE CONSTRUCTED OF SANDBAGS, CLEAN ROCK, STEEL SHEETING OR OTHER NON-ERODIBLE MATERIAL. CLEAN ROCK IS ROCK OF VARIOUS TYPE AND SIZE, DEPENDING UPON APPLICATION, THAT CONTAINS NO FINES, SOILS, OR OTHER WASTES OR CONTAMINANTS.

15 — **BYPASS PUMPING DETAIL**
N.T.S.

Tellico Area Services System
P.O. BOX 277 VONORE, TENNESSEE 37885

WATER LINE RELOCATION BY

CANNON & CANNON INC
10025 Investment Drive, Suite 120
Knoxville, TN 37932
865.670.8555
www.cci-corp.com

WATER PLANS

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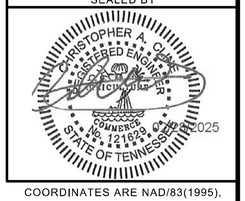

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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

WATER LINE DETAILS

1/16/2026
Z:\01172-0005\03-Drawings\03-Utilities\B Date\Details1.SHT

INDEX OF DRAWINGS

U9-01 TELECOMMUNICATIONS RELOCATION ESTIMATED QUANTITIES AND DRAWING INDEX
U9-02 TELECOMMUNICATIONS RELOCATION VICINITY MAP AND LEGEND
U9-03 TELECOMMUNICATIONS RELOCATION GENERAL NOTES
U9-04 TELECOMMUNICATIONS RELOCATION BEGIN TO PROJECT TO STA. 500+41.00
U9-05 TELECOMMUNICATIONS RELOCATION STA. 509+00.00 TO STA. 522+00
U9-06 TELECOMMUNICATIONS RELOCATION STA. 522+00 TO STA. 535+00
U9-07 TELECOMMUNICATIONS RELOCATION STA. 535+00 TO STA. 548+00
U9-08 TELECOMMUNICATIONS RELOCATION STA. 548+00 TO STA. 557+00
U9-09 TELECOMMUNICATIONS RELOCATION STA. 557+00 TO STA. 567+00
U9-10 TELECOMMUNICATIONS RELOCATION STA. 567+00 TO STA. 577+00
U9-11 TELECOMMUNICATIONS RELOCATION STA. 577+00 TO STA. 590+00
U9-12 TELECOMMUNICATIONS RELOCATION STA. 590+00 TO STA. 601+00
U9-13 TELECOMMUNICATIONS RELOCATION STA. 601+00 TO STA. 612+00
U9-14 TELECOMMUNICATIONS RELOCATION STA. 612+00 TO STA. 617+10
U9-15 TELECOMMUNICATIONS RELOCATION STA. 64+00 SEE SHT. UX-11
U9-16 TELECOMMUNICATIONS RELOCATION STA. 83+00 SEE SHT. UX-13
U9-17 TELECOMMUNICATIONS RELOCATION STA. 219+00 SEE SHT. UX-13
U9-18 TELECOMMUNICATIONS RELOCATION STA. 80+15 TO STA. 210+00 SEE SHT. UX-13
U9-19 TELECOMMUNICATIONS RELOCATION STA. 70+45 SEE SHT. UX-11 TO 80+15 SEE SHT. UX-18
U9-20 TELECOMMUNICATIONS RELOCATION CONSTRUCTION DETAILS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	STP-322(15)	U9-01
		62016-3206-14	

MONROE COUNTY
PIN #102380.02

ESTIMATED QUANTITIES

ITEM NO.	TDOT DESCRIPTION	UTILITY UNIT DESCRIPTION	UNIT	QUANTITY	PERCENT UTILITY	PERCENT PROJECT
790-32.23	GUY GUARD	GUY GUARD (E3-10)	EACH	24	0%	100%
798-05.03	FIBER OPTIC CABLE SPLICE	FIBER OPTIC CABLE SPLICE	EACH	100	0%	100%
798-05.07	3/8 IN HIGH STRENGTH STEEL STRAND	3/8 IN HIGH STRENGTH STEEL STRAND	L.F.	9809	0%	100%
798-05.27	COMMUNICATION ASSEMBLY (BOND)	COMMUNICATION ASSEMBLY (BOND)	EACH	24	0%	100%
798-05.29	COMMUNICATION ASSEMBLY (CSC)	COMMUNICATION ASSEMBLY (CSC)	EACH	9	0%	100%
798-05.32	COMMUNICATION ASSEMBLY (DDE)	COMMUNICATION ASSEMBLY (DDE)	EACH	15	0%	100%
798-05.33	COMMUNICATION ASSEMBLY (DE)	COMMUNICATION ASSEMBLY (DE)	EACH	4	0%	100%
798-06.13	FIBER OPTIC CABLE (48F)	FIBER OPTIC CABLE (48F)	L.F.	10588	0%	100%
798-06.36	FIBER OPTIC SERVICE DROP CABLE	FIBER OPTIC SERVICE DROP CABLE	L.F.	2829	0%	100%
798-06.48	FIBER STORAGE LOOP	FIBER STORAGE LOOP (FOSS)	EACH	50	0%	100%
798-08.06	TRANSFER FIBEROPTIC CABLE	TRANSFER FIBEROPTIC CABLE/TERMINALS/LOOPS, ETC.	EACH	27	0%	100%
798.09.01	REMOVE STEEL STRAND	REMOVE STEEL STRAND	EACH	10076	0%	100%
798.09.03	REMOVE POLES, GUYS, ANCHORS	REMOVE POLES, GUYS, ANCHORS	EACH	64	0%	100%
798.09.07	REMOVE FIBER OPTIC CABLE	REMOVE FIBER OPTIC CABLE	L.F.	12171	0%	100%
798.09.08	REMOVE STRAND POLE FRAMING	REMOVE STRAND POLE FRAMING	EACH	90	0%	100%
798-11.31	POWER INSTALLED ANCHOR	POWER INSTALLED ANCHOR (F3)	EACH	24	0%	100%
798-11.41	DOWNGUY - WRAP TYPE	DOWNGUY - WRAP TYPE (E1-2)	EACH	24	0%	100%

(6) — 798-05.07 through 798-06.48

(6) — 798-08.06

FOOTNOTES:

6. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, AND BONDING/GROUNDING.

01/12/2026

GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS.

JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	NONE
DATE	1.16.26

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 210
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
ESTIMATED QUANTITIES AND DRAWING INDEX

INDEX OF DRAWINGS

U9-01 TELECOMMUNICATIONS RELOCATION ESTIMATED QUANTITIES AND DRAWING INDEX
U9-02 TELECOMMUNICATIONS RELOCATION VICINITY MAP AND LEGEND
U9-03 TELECOMMUNICATIONS RELOCATION GENERAL NOTES
U9-04 TELECOMMUNICATIONS RELOCATION BEGIN TO PROJECT TO STA. 500+41.00
U9-05 TELECOMMUNICATIONS RELOCATION STA. 509+00.00 TO STA. 522+00
U9-06 TELECOMMUNICATIONS RELOCATION STA. 522+00 TO STA. 535+00
U9-07 TELECOMMUNICATIONS RELOCATION STA. 535+00 TO STA. 548+00
U9-08 TELECOMMUNICATIONS RELOCATION STA. 548+00 TO STA. 557+00
U9-09 TELECOMMUNICATIONS RELOCATION STA. 557+00 TO STA. 567+00
U9-10 TELECOMMUNICATIONS RELOCATION STA. 567+00 TO STA. 577+00
U9-11 TELECOMMUNICATIONS RELOCATION STA. 577+00 TO STA. 590+00
U9-12 TELECOMMUNICATIONS RELOCATION STA. 590+00 TO STA. 601+00
U9-13 TELECOMMUNICATIONS RELOCATION STA. 601+00 TO STA. 612+00
U9-14 TELECOMMUNICATIONS RELOCATION STA. 612+00 TO STA. 617+10
U9-15 TELECOMMUNICATIONS RELOCATION STA. 64+00 SEE SHT. UX-11
U9-16 TELECOMMUNICATIONS RELOCATION STA. 83+00 SEE SHT. UX-13
U9-17 TELECOMMUNICATIONS RELOCATION STA. 219+00 SEE SHT. UX-13
U9-18 TELECOMMUNICATIONS RELOCATION STA. 80+15 TO STA. 210+00 SEE SHT. UX-13
U9-19 TELECOMMUNICATIONS RELOCATION STA. 70+45 SEE SHT. UX-11 TO 80+15 SEE SHT. UX-18
U9-20 TELECOMMUNICATIONS RELOCATION CONSTRUCTION DETAILS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-01
		62016-3206-14	

MONROE COUNTY
PIN #102380.02

ESTIMATED QUANTITIES

ITEM NO.	TDOT DESCRIPTION	UTILITY UNIT DESCRIPTION	UNIT	QUANTITY	PERCENT UTILITY	PERCENT PROJECT
790-32.23	GUY GUARD	GUY GUARD (E3-10)	EACH	24	0%	100%
793-02.99	INSTALL GUY GUARD	INSTALL GUY GUARD	EACH	24	0%	100%
798-05.03	FIBER OPTIC CABLE SPLICE	FIBER OPTIC CABLE SPLICE	EACH	15	0%	100%
798-05.07	3/8 IN HIGH STRENGTH STEEL STRAND	3/8 IN HIGH STRENGTH STEEL STRAND	L.F.	2138	0%	100%
798-05.27	COMMUNICATION ASSEMBLY (BOND)	COMMUNICATION ASSEMBLY (BOND)	EACH	26	0%	100%
798-05.29	COMMUNICATION ASSEMBLY (CSC)	COMMUNICATION ASSEMBLY (CSC)	EACH	9	0%	100%
798-05.32	COMMUNICATION ASSEMBLY (DDE)	COMMUNICATION ASSEMBLY (DDE)	EACH	15	0%	100%
798-05.33	COMMUNICATION ASSEMBLY (DE)	COMMUNICATION ASSEMBLY (DE)	EACH	4	0%	100%
798-06.13	FIBER OPTIC CABLE (48F)	FIBER OPTIC CABLE (48F)	L.F.	2500	0%	100%
798-06.36	FIBER OPTIC SERVICE DROP CABLE	FIBER OPTIC SERVICE DROP CABLE	L.F.	2950	0%	100%
798-06.48	FIBER STORAGE LOOP	FIBER STORAGE LOOP (FOSS)	EACH	41	0%	100%
798-08.02	TRANSFER CABLE/FIBER	TRANSFER CABLE/FIBER	EACH	16704	0%	100%
798-11.31	POWER INSTALLED ANCHOR	POWER INSTALLED ANCHOR (F3)	EACH	24	0%	100%
798-11.41	DOWNGUY - WRAP TYPE	DOWNGUY - WRAP TYPE (E1-2)	EACH	24	0%	100%
798.09.01	REMOVE STEEL STRAND	REMOVE STEEL STRAND	EACH	9651	0%	100%
798.09.03	REMOVE POLES, GUYS, ANCHORS	REMOVE POLES, GUYS, ANCHORS	L.F.	67	0%	100%
798.09.07	REMOVE FIBER OPTIC CABLE	REMOVE FIBER OPTIC CABLE	EACH	21016	0%	100%
798.09.08	REMOVE STRAND POLE FRAMING	REMOVE STRAND POLE FRAMING	EACH	95	0%	100%

FOOTNOTES:

6. INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT INCLUDING BUT NOT LIMITED TO SETUP, TRAFFIC CONTROL, AND BONDING/GROUNDING.

11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS

JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	DATE
NONE	11.15.24

Gresham Smith
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SUITE 120
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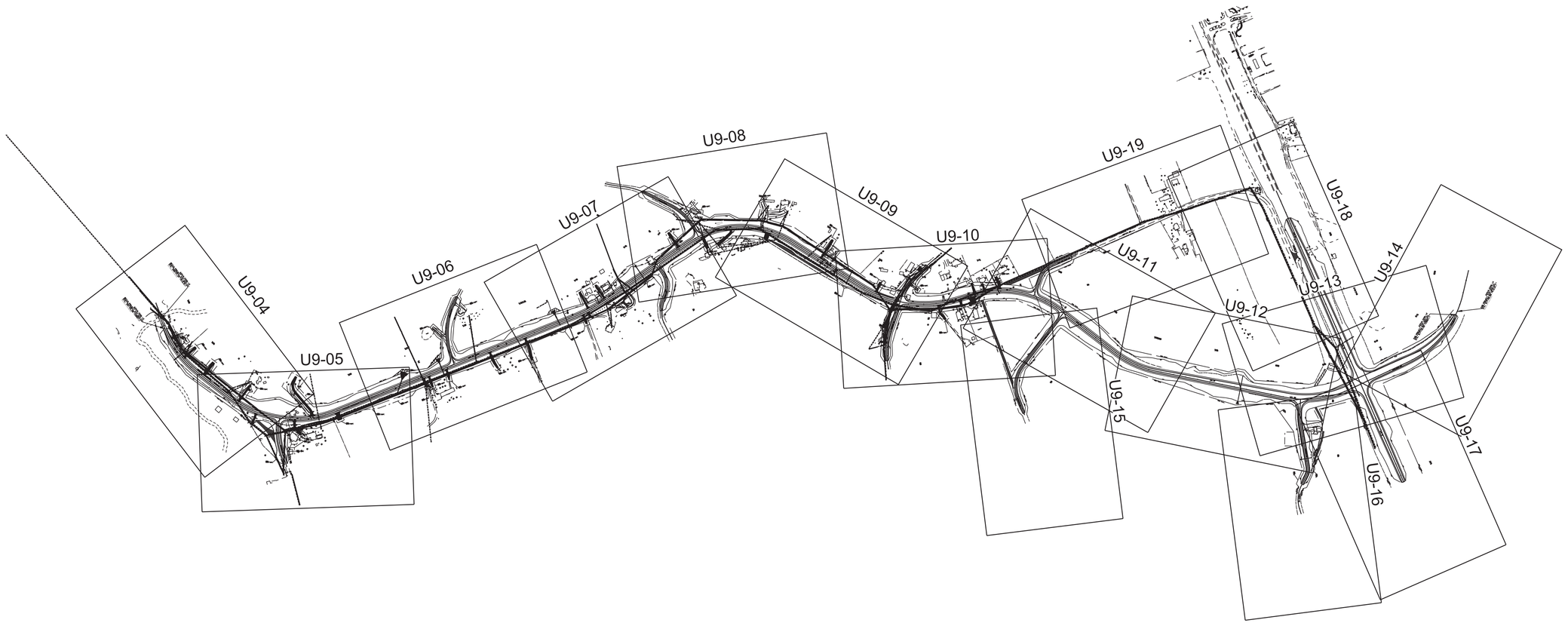
TELECOMMUNICATION RELOCATION
ESTIMATED QUANTITIES AND DRAWING INDEX

MONROE COUNTY

SR 322
FROM SHEPPARD ROAD TO SR-72

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-02
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



LEGEND

— ——— F -	48 CT EXISTING FIBEROPTIC CABLE		EXISTING FIBER OPTIC LOOP		EXISTING FIBER NAP
— ——— F -	48 CT REMOVAL FIBEROPTIC CABLE		REMOVAL FIBER OPTIC LOOP		EXISTING FIBER OLT/MUX
——— F -	48 CT PROPOSED FIBEROPTIC CABLE		PROPOSED FIBER OPTIC LOOP	oo	EXISTING OPTICAL SPLICE BOX
———	EXISTING 3/8" EHS STRAND		EXISTING DOWN GUY/ANCHOR		EXISTING SPLICE
———	REMOVAL 3/8" EHS STRAND		REMOVAL DOWN GUY/ACNHOR		PROPOSED SPLICE
———	PROPOSED 3/8" EHS STRAND		PROPOSED DOWN GUY/ANCHOR		REMOVAL SPLICE
- GUY ———	EXISTING OVER HEAD GUY		EXISTING POLE/POLE PLACED BY OTHERS		
— ——— GUY -	REMOVAL OVER HEAD GUY		REMOVAL POLE		
——— GUY -	PROPOSED OVER HEAD GUY				

GREGORY K. POSTON
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COMMERCE
No. 100945
STATE OF TENNESSEE
11/15/2024

Charter COMMUNICATIONS.

JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	DATE
NONE	11.15.24

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COMMUNICATION RELOCATION
VICINITY MAP AND LEGEND

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-03
		62016-3206-14	

MONROE COUNTY
PIN #102380.02

GENERAL CONSTRUCTION NOTES

1. THE FOLLOWING INFORMATION APPLIES TO THE UTILITY CONTRACTOR RESPONSIBLE FOR THE RELOCATION OF THE COMMUNICATION FACILITIES ALONG THIS PROJECT.

2. ANY DEVIATION OF THE CONDITIONS LISTED MUST BE APPROVED BY THE UTILITY PRIOR TO THE DEVIATION TAKING PLACE ON THE PROJECT. FAILURE BY THE UTILITY CONTRACTOR OR SUBCONTRACTORS TO FOLLOW THESE CONDITIONS AS LISTED WILL RESULT IN REFUSAL OF ACCEPTANCE BY THE UTILITY OWNER TO ACCEPT THE PROJECT AT IT'S COMPLETION UNTIL SUCH TIME AS ANY DEFICIENCIES ARE CORRECTED TO THE SATISFACTION OF THE UTILITY.

3. ALL WORK SHALL BE DONE IN A SAFE, THOROUGH AND WORKMAN-LIKE MANNER IN ACCORDANCE WITH THE PLAN SHEETS, CONSTRUCTION DETAILS AND TECHNICAL SPECIFICATIONS AS WELL AS ANY AND ALL APPLICABLE SAFETY CODES, INCLUDING, BUT NOT LIMITED TO, THE NATIONAL ELECTRICAL SAFETY CODE (NESC), AND ANY OTHER STATE AND LOCAL CODES THAT ARE REQUIRED FOR THE TYPE OF UTILITY RELOCATION THAT IS BEING PERFORMED AS PART OF THIS CONTRACT.

4. THE UTILITY CONTRACTOR SHALL EXERCISE ALL STANDARD SAFETY PRACTICES WHEN WORKING AROUND ENERGIZED ELECTRICAL LINES (e.g. RUBBER GOODS INSPECTIONS, GROUNDING OF LINES AND VEHICLES / EQUIPMENT, TOOL INSPECTIONS, ADEQUATE SUPERVISION, ETC.).

5. THE UTILITY CONTRACTOR SHALL BEAR THE RESPONSIBILITY FOR THE SAFETY OF ITS EMPLOYEES AND SHALL ENSURE THAT THEY ABIDE BY ALL STATE, FEDERAL AND LOCAL REGULATIONS REGARDING SAFE WORK PRACTICES. IF SUCH REGULATIONS ARE VIOLATED, THE UTILITY OWNER SHALL MAINTAIN THE RIGHT TO STOP WORK ON THEIR FACILITIES UNTIL SUCH CONDITIONS ARE CORRECTED.

6. IN GENERAL, THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS, METHODS, AND/OR INTEGRAL MATERIALS OUTLINED IN THE UTILITY CONSTRUCTION DRAWINGS AND THE TECHNICAL SPECIFICATIONS THAT ARE NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL INSTALLATION OF THE UTILITY FACILITIES BEING RELOCATED.

7. UTILITY CONSTRUCTION DRAWINGS ARE INCLUDED AS PART OF THE DRAWING PACKET AND MUST BE ADHERED TO DURING ALL PHASES OF CONSTRUCTION.

8. ALL MATERIALS TO BE USED BY THE UTILITY CONTRACTOR ON THE PROJECT MUST BE NEW MATERIALS AND MUST BE APPROVED BY THE UTILITY OWNER PRIOR TO PURCHASE OR USE. A PROPOSED LIST OF MATERIALS SHALL BE SUBMITTED TO THE UTILITY OWNER AS NOTED IN THE TECHNICAL SPECIFICATIONS FOR THE PROJECT. NO MATERIAL SUBSTITUTIONS ARE ALLOWED WITHOUT THE PRIOR CONSENT OF THE UTILITY OWNER. STORAGE LOCATION OF MATERIALS ON THE PROJECT SITE MUST BE A SECURE ENVIRONMENT. THE UTILITY CONTRACTOR IS RESPONSIBLE FOR ANY LOST, STOLEN OR DAMAGED MATERIALS ON THE PROJECT.

9. THE UTILITY CONTRACTOR IS REQUIRED TO MAINTAIN COMMUNICATION WITH THE UTILITY OWNER'S PROJECT REPRESENTATIVE USING TELEPHONE COMMUNICATIONS.

10. THE UTILITY CONTRACTOR IS TO PERFORM ALL REQUIRED WORK IN SUCH A MANNER AS TO NOT CAUSE UNINTENTIONAL OUTAGES TO THE CUSTOMERS ALONG THE PROJECT. ALL PLANNED OUTAGES MUST BE HANDLED IN ACCORDANCE WITH SECTION 01 1113 "SUMMARY OF WORK" IN THE CONSTRUCTION TECHNICAL SPECIFICATIONS. LARGE SCALE OUTAGES ARE NOT ALLOWED.

11. IF FIELD CONDITIONS ARISE WHICH PREVENT THE CONSTRUCTION ON THE PROJECT FROM PROCEEDING AS DESIGNED, THE UTILITY CONTRACTOR WILL COORDINATE WITH THE UTILITY OWNER / ENGINEER TO RESOLVE THE ISSUES SO THAT CONSTRUCTION CAN CONTINUE.

12. THE UTILITY CONTRACTOR SHALL COMPLY WITH ALL TDOT REGULATIONS, PERMITS AND TRAFFIC CONTROL GUIDELINES AS REQUIRED.

13. THE LOCATIONS OF EXISTING UTILITIES SHOWN WITHIN THESE DRAWINGS ARE BASED ON INFORMATION PROVIDED BY TDOT, AND SHALL BE VERIFIED BY THE UTILITY CONTRACTOR PRIOR TO CONSTRUCTION. THE UTILITY CONTRACTOR SHALL NOTIFY EACH UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES AND REQUEST THAT THE UTILITY OWNERS PROPERLY LOCATE AND MARK THEIR PERSPECTIVE UTILITY ON THE GROUND.

14. THE UTILITY CONTRACTOR SHALL REQUEST UTILITY LOCATIONS A MINIMUM OF THREE (3) BUSINESS DAYS PRIOR TO BEGINNING ANY CONSTRUCTION IN THE AREA OF THE UTILITIES IN QUESTION.

15. THE TDOT PRIME CONTRACTOR WILL BE RESPONSIBLE FOR ANY EXCAVATION WORK REQUIRED TO LOCATE EXISTING UNDERGROUND UTILITIES. THE PRIME CONTRACTOR IS ALSO REQUIRED TO NOTIFY ANY EXISTING UTILITY OWNER PRIOR TO DIGGING. IN THE EVENT THAT THERE IS ANY DAMAGE TO OR INTERRUPTION OF EXISTING FACILITIES, THE PRIME CONTRACTOR WILL BE RESPONSIBLE FOR ANY COST INCURRED FROM THE EVENT.

16. SOME EXISTING UTILITIES CAN BE LOCATED BY CALLING TENNESSEE ONE-CALL SYSTEMS, INC. AT "811".

17. THE UTILITY CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THE PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND EXISTING UTILITIES, THE UTILITY CONTRACTOR SHALL BE REQUIRED TO FURNISH THE EQUIPMENT NECESSARY TO COMPLETE THE WORK.

18. THE UTILITY CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE CAUSED BY ITS EMPLOYEES IN AREAS OUTSIDE OF TDOT ROW ALONG THE LENGTH OF THE PROJECT. THE UTILITY CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR RESOLVING ALL COMPLAINTS THAT MAY ARISE FROM ITS ACTIVITIES, AND SHALL PROMPTLY REPORT SUCH COMPLAINTS TO THE UTILITY OWNER AS TO WHETHER OR NOT IT HAS BEEN RESOLVED.

19. GROUND AND AERIAL INSPECTION OF INSTALLED FACILITIES ONCE COMPLETED SHALL BE THE RESPONSIBILITY OF THE UTILITY CONTRACTOR. ANY CORRECTIONS THAT ARE REQUIRED SHALL BE DONE DURING THE CONSTRUCTION OF THE PROJECT AND VERIFIED BY THE UTILITY OWNER / ENGINEER. THE UTILITY OWNER WILL HAVE INSPECTORS ON-SITE TO VERIFY SAFETY AND QUALITY OF WORK IS CONSISTENT WITH UTILITY OWNER'S STANDARDS.

20. WHILE SOME WORK MAY ONLY BE REQUIRED "AROUND" OTHER UTILITY FACILITIES, SOME WORK MAY NEED TO BE DONE CONCURRENTLY WITH THE OPERATIONS OF OTHER UTILITY CONTRACTORS. IT IS THE RESPONSIBILITY OF THE TDOT PRIME CONTRACTOR TO ENSURE THAT ALL UTILITY COORDINATION BE ADDRESSED DURING THE CONSTRUCTION OF THE PROJECT.

21. THE UTILITY CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL FACILITIES INDICATED WITHIN THESE DRAWINGS AT "FINAL GRADE" AS SHOWN. ANY TEMPORARY INSTALLATIONS THAT ARE NOT SPECIFICALLY NOTED WITHIN THESE DRAWINGS AND THAT ARE NOT ADDRESSED AND COORDINATED PRIOR TO CONSTRUCTION OF THE PROJECT WILL BE THE RESPONSIBILITY OF THE TDOT PRIME CONTRACTOR.

22. CONSTRUCTION OF RELOCATED FACILITIES IS NOT CONSIDERED TO BE COMPLETE UNTIL THE UTILITY CONTRACTOR HAS ENERGIZED THE FACILITIES IN ACCORDANCE WITH EPB SPECIFICATIONS.

23. PERSONNEL CHANGES ARE TO BE KEPT TO A MINIMUM DURING THE CONSTRUCTION OF THE PROJECT AS TO REDUCE UNFAMILIAR PERSONNEL TO BE WORKING ON THE FACILITIES OF THE UTILITY OWNER.

24. THE TDOT PRIME CONTRACTOR IS RESPONSIBLE FOR THE LAYOUT OF ALL UTILITY FACILITIES THAT ARE TO BE RELOCATED WITHIN THE PROJECT.

25. WHERE EROSION CONTROL MEASURES ARE NEEDED FOR THE UTILITY WORK OCCURING OUTSIDE THE STATE RIGHT-OF-WAY, THE UTILITY CONTRACTOR SHALL SUBMIT A PROPOSED EROSION AND SEDIMENT CONTROL PLAN TO THE TDOT PROJECT SUPERVISOR FOR APPROVAL PRIOR TO BEGINNING WORK.

26. THE DISTANCES THAT ARE SHOWN ON THE DRAWINGS ARE HORIZONTAL DISTANCES ONLY, AND DO NOT ALLOW FOR ANY CHANGES IN ELEVATION THAT EXIST ALONG THE PROJECT.

27. ALL ACTIVE AND PASSIVE EQUIPMENT SHALL BE PROVIDED BY THE UTILITY OWNER. THE LABOR COST, AND MINOR MATERIALS REQUIRED TO INSTALLL THESE UNITS SHALL BE INCLUDED IN THE BID FROM THE UTILITY CONTRACTOR.

28. LOCKNUTS SHALL BACK UP ALL NUTS ON THREADED BOLTS SUCH AS MACHINE BOLTS, ETC. EXISTENCE OF LOCKNUTS WILL BE CLOSELY EXAMINED BY THE UTILITY OWNER DURING CONSTRUCTION. BOLTS SHALL NOT EXTEND MORE THAN TWO (2) INCHES FROM NUTS.

29. THE UTILITY CONTRACTOR SHALL INSTALL FIBERGLASS INSULATOR GUYLINKS ON ALL DOWNGUYS WITHIN TWO (2) FEET OF PRIMARY CONDUCTORS.

30. ANCHORS THAT ARE TO BE RETIRED SHALL HAVE THE ROD UNSCREWED AND REMOVED, OR BE CUT OFF AT LEAST EIGHTEEN (18) INCHES BELOW FINAL GRADE.

31. THE UTILITY CONTRACTOR SHALL PROVIDE THE UTILTY OWNER WITH ONE (1) SET OF CLEAN, CLEARLY MARKED "AS-BUILT" DRAWINGS AT THE COMPLETION OF THE PROJECT. THESE DRAWINGS SHALL REFLECT ANY AND ALL CHANGES THAT WERE MADE TO THE FACILITIES DURING CONSTRUCTION.

32. THE UTILITY CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL CONSTRUCTION DRAWINGS AND TECHNICAL SPECIFICATIONS FOR THE RELOCATION OF FACILITIES PRIOR TO BIDDING THE PROJECT. ANY QUESTIONS CONCERNING INFORMATION SHOWN IN THE CONTRACT DOCUMENTS SHALL BE ADDRESSED TO THE UTILITY OWNER / ENGINEER PRIOR TO BIDDING ON THE PROJECT.

33. UTILITY CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTING EACH REEL OF CABLE FOR THE PROJECT. ANY DAMAGE TO THE CABLE SHALL BE REMOVED AND SPLICED AS REQUIRED. ALL CABLES SHALL BE PROTECTED FROM EQUIPMENT OR VEHICLE TRAFFIC WHILE BEING INSTALLED.

11/15/2024

GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
TENNESSEE
No. 100545
STATE OF TENNESSEE

Charter COMMUNICATIONS

JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE: NONE	DATE: 11.15.24

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

COMMUNICATION RELOCATION
GENERAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-04
		62016-3206-14	

MONROE COUNTY
PIN #102380.02

62016-2206-14
BEGIN PROJECT STP-322(15)
STA. 500+41.07 (R.O.W.)
N 471725.8505 E 2473024.3864

62016-3206-14
BEGIN PROJECT STP-322(15)
STA. 501+25.00 (CONST.)
N 471642.0100 E 2473028.2608

500

505

① GEORGE H. DUVALL

② KADEN MCKEWON ET AL

③ SAMUEL SELF AND WIFE, EVELYN SELF

④

INSTALL:CSC, FOSS(2), DE

REMOVED:CSC, FOSS(2) DE

TRANSFER: (3) EXISTING 48 SM FIBER CABLES AND EQUIPMENT FROM POLE LINE THAT IS TO BE REMOVED TO PROPOSED POLE LINE. ADDITIONAL SLACK IN FOSS LEFT TO PROVIDE SLACK FOR TRANSFER.

INSTALL:DDE, E1-2,F3, E3-10

PROP. CONST. ESMT. SLOPE ESMT.

PROP. CONST. ESMT.

TRANSFER: (2) EXISTING 48 SM FIBER CABLES AND EQUIPMENT FROM POLE LINE THAT IS TO BE REMOVED TO PROPOSED POLE LINE. ADDITIONAL SLACK IN FOSS LEFT TO PROVIDE SLACK FOR TRANSFER.

PROP. CONST. ESMT.

TRANSFER: (2) EXISTING 48 SM FIBER CABLES AND EQUIPMENT FROM POLE LINE THAT IS TO BE REMOVED TO PROPOSED POLE LINE. ADDITIONAL SLACK IN FOSS LEFT TO PROVIDE SLACK FOR TRANSFER.

INSTALL: BOND, FOSS (2)

INSTALL: BOND

MATCH LINE STA. 509+00 SEE SHT. U9-05

END OF MARKING

PRES. & PROP. R.O.W.

PROP. R.O.W.

PRES. R.O.W.

GRASS

233'

(233')

(241')

(236')

248'

295'

CONC. DITCH

12" G.L.

CURVE

FILL

CUT

LAST MARK

S.R. 322

REMOVE:CSC, E2-2, FOSS(2)

REMOVE:SC

REMOVE:CSC, E1-2,F3, E3-10,FOSS(2)

REMOVE:DE, E1-2,F3,E3-10

P1 P2 P2R P2.1R P3 P3R P4 P4R

FT45

24" CMP

29" CMP

11/15/2024

GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Know what's below. Call 811 before you dig.

Charter COMMUNICATIONS

JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	TMA
SCALE	1"=50'
DATE	11.15.24

Gresham Smith

2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 500+41.07 TO STA. 509+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-05
		62016-3206-14	

MONROE COUNTY
PIN #102380.02

N

MATCH LINE STA. 509+00 SEE SHT. U9-04

MATCH LINE STA. 522+00 SEE SHT. U9-06

TRANSFER:
(2) EXISTING 48 SM FIBER CABLES AND EQUIPMENT FROM POLE LINE THAT IS TO BE REMOVED TO PROPOSED POLE LINE. ADDITIONAL SLACK IN FOSS LEFT TO PROVIDE SLACK FOR TRANSFER.

PROP. CONST. ESMT.

PROP. R.O.W.

INSTALL: BOND

P5

P5R

REMOVE: SC

PRES. PROP. R.O.W.

P5.1R

REMOVE: CSC, E1-2, F3, E3-10

REMOVE: CSC, E1-2(2), F3(2), DDE E3-10(2)

P6R

P6

P6.1

INSTALL:BOND, FOSS(2)

P7

P7R

TRANSFER: EXISITING CHARTER EQUIPMENT FROM P7R TO P7.

REMOVE: SC, E1-2, F3, E3-10, FOSS(2)

INSTALL: DDE, DE, E1-2(2),F3(2), E3-10 (2)

INSTALL:SC, FOSS (2)

REMOVE: CSC, E1-2,F3, E3-10, FOSS(2)

INSTALL:CSC E1-2,F3, E3-10

P8

P8R

P9

P10

P10R

INSTALL: BOND, FOSS

REMOVE:SC, FOSS

P11

INSTALL: BOND

PROP. CONST. ESMT.

INSTALL: DE, E1-2,F3,E3-10

REMOVE: DE, E1-2, F3, E3-10

EXISITING 48 SM FIBER CONTINUES UNDERGROUND TO HH ON EAST SIDE OF ROAD.

S.R. 322

OAK GROVE RD

CUT

GRASS

510

515

520

(211')

213'

25' 24" CMP

306'

(176')

(262')

338'

(339')

29' 18" CMP

32' 18" CMP

(182')

169'

102'

126'

(300')

194'

(69')

(50')

20' G.L.

19' G.L.

5

10

DAVID L. MCLEMORE AND WIFE, RUBY A. MCCLEMORE

TOMMY LEE BLANKENSHIP

CURTIS S. BREWSTER AND WIFE, TERESA D. BREWSTER

DAVID MCLEMORE AND WIFE, RUBY MCLEMORE

RALPH L. CRABB AND WIFE, CLARA ANN CRABB

CHARLES R. HALL AND WIFE, HELEN A. HALL

CHARLES R. HALL AND WIFE, HELEN ANN HALL

JAMES T. MORRIS AND WIFE, MARGARET I. COOPER

~~JAMES T. MORRIS AND WIFE, MARGARET I. COOPER~~

~~REBA J. CARMLEY~~

LOIS H. CRAIG

Know what's below. Call 811 before you dig.

11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 100943
STATE OF TENNESSEE

Charter COMMUNICATIONS

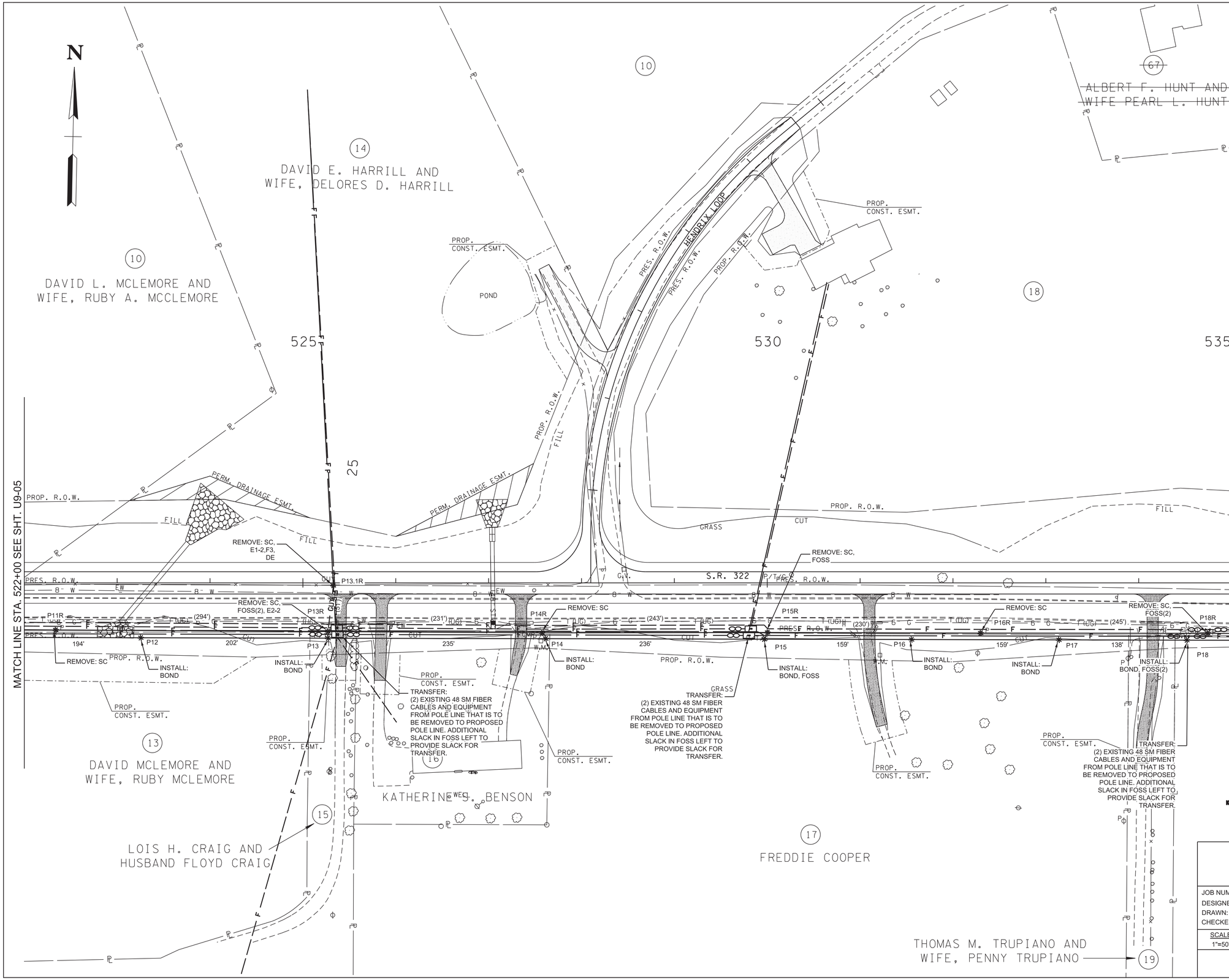
JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	1"=50'
DATE	11.15.24

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 509+00 TO STA. 522+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-06
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



811 Know what's below. Call 811 before you dig.

11/15/2024

GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS

JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	1"=50'
DATE	11.15.24

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 522+00 TO STA. 535+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-07
		62016-3206-14	

MONROE COUNTY
PIN #102380.02

N

67
ALBERT F. HUNT AND WIFE PEARL L. HUNT

68
LLOYD WILLIAM MILLS

535

540

545

MATCH LINE STA. 535+00 SEE SHT. U9-06

MATCH LINE STA. 548+00 SEE SHT. U9-08

21
TAMMY SUE GENTRY CLARK

23
TAMMY SUE GENTRY CLARK

26
JAMES R. WOEBER AND WIFE, KATHY E. WOEBER

20
GERALD GLEN BARNHART AND WIFE, JEANETTE BARNHART

22
CHAD CHAMBERS AND WIFE, ASHLEY CHAMBERS

24
RANDY D. WATKINS AND WIFE, LISA L. WATKINS

25
FREDDIE LEE COOPER

27
FREDDIE LEE COOPER

69
KELLEY SUZANNE MCKINNON AND STEPHEN TRENT BELL

75
KAREN A. KUSKE, TRUSTEE OF THE KAREN A. KUSKE LIVING TRUST

S.R. 322

CANDY LANE

PERM. DRAINAGE ESMT.

PROP. CONST. ESMT.

PROP. R.O.W.

FILL

GRASS

CUT

CURB

WELL

P/T

P/I

P/C

P/O

W/F

W/L

W/F FLAG

B W

F F

P19

P20

P20R

P21

P22

P22R

P23

P23R

P23.1R

P23.2

P23.3

P24

P24R

INSTALL: BOND

INSTALL: CSC, E1-2, F3, E3-10

14' G.L. EASEMENT REQUIRED

10' G.L.

12' G.L.

14' G.L.

22' G.L.

REMOVE: CSC, E1-2, F3, E3-10

REMOVE: SC, FOSS(2)

REMOVE: SC

REMOVE: SC, DE, E2-1,F3, E3-10, FOSS(3)

INSTALL: CSC ,E1-2, F3, E3-10, FOSS(2)

INSTALL: DDE, E1-2, F3, E3-10

INSTALL: DDE, DE, E1-2, F3, E3-10, FOSS(3)

TRANSFER: EXISTING 48 SM FIBER CABLE FED FROM P23R TO SPLICE AT P23

TRANSFER: (2) EXISTING 48 SM FIBER CABLES AND EQUIPMENT FROM POLE LINE THAT IS TO BE REMOVED TO PROPOSED POLE LINE. ADDITIONAL SLACK IN FOSS LEFT TO PROVIDE SLACK FOR TRANSFER.

TRANSFER: (2) EXISTING 48 SM FIBER CABLES AND EQUIPMENT FROM POLE LINE THAT IS TO BE REMOVED TO PROPOSED POLE LINE. ADDITIONAL SLACK IN FOSS LEFT TO PROVIDE SLACK FOR TRANSFER.

180' (316')

159'

168'

169'

(323')

248'

147' (147')

134' (134')

(190')

(292')

185'

(299')

241'

Know what's below. Call 811 before you dig.

11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100984
STATE OF TENNESSEE

Charter COMMUNICATIONS

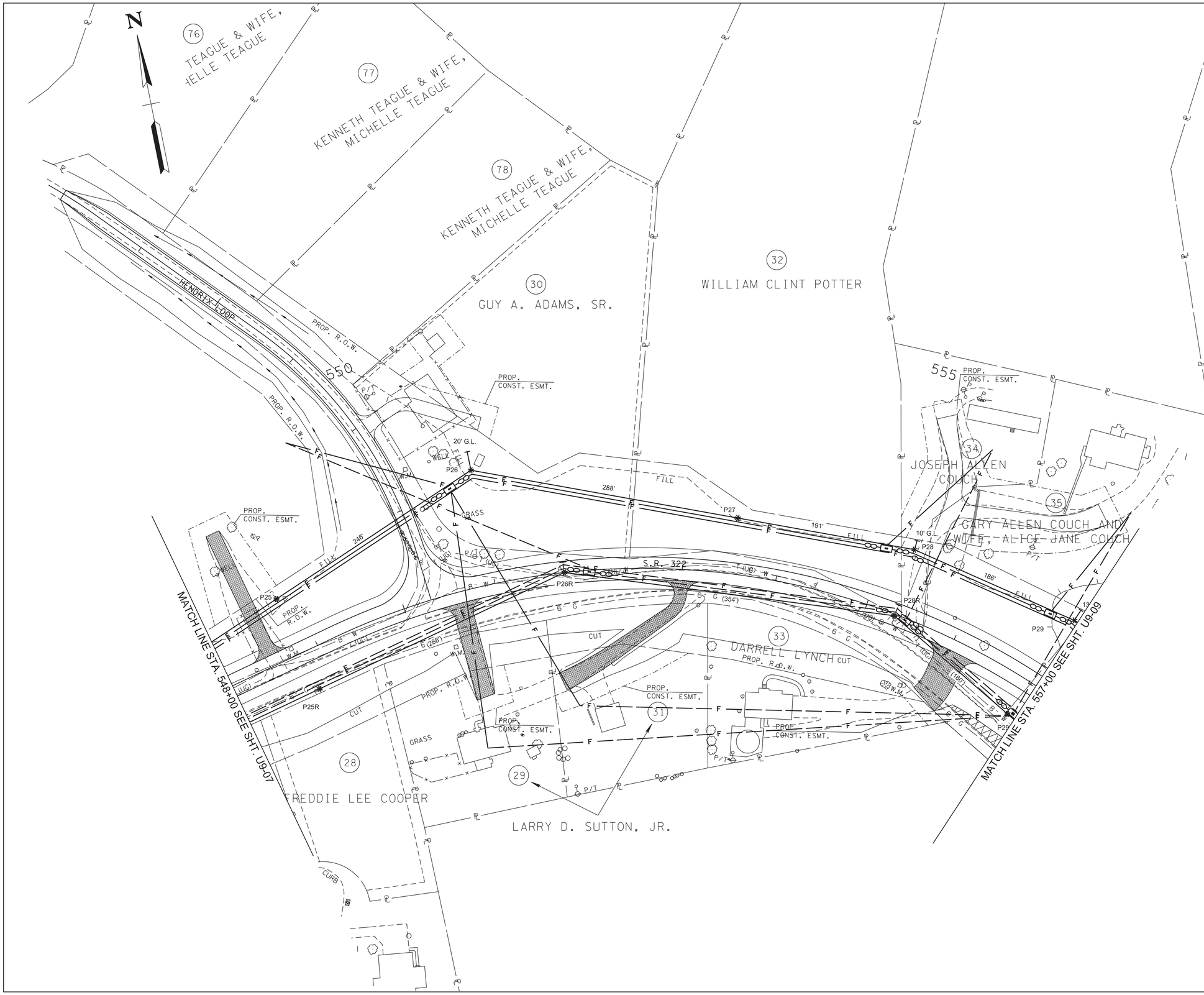
JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	DATE
1"=50'	11.15.24

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 535+00 TO STA. 548+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-08
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



811 Know what's below. Call 811 before you dig.

11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS

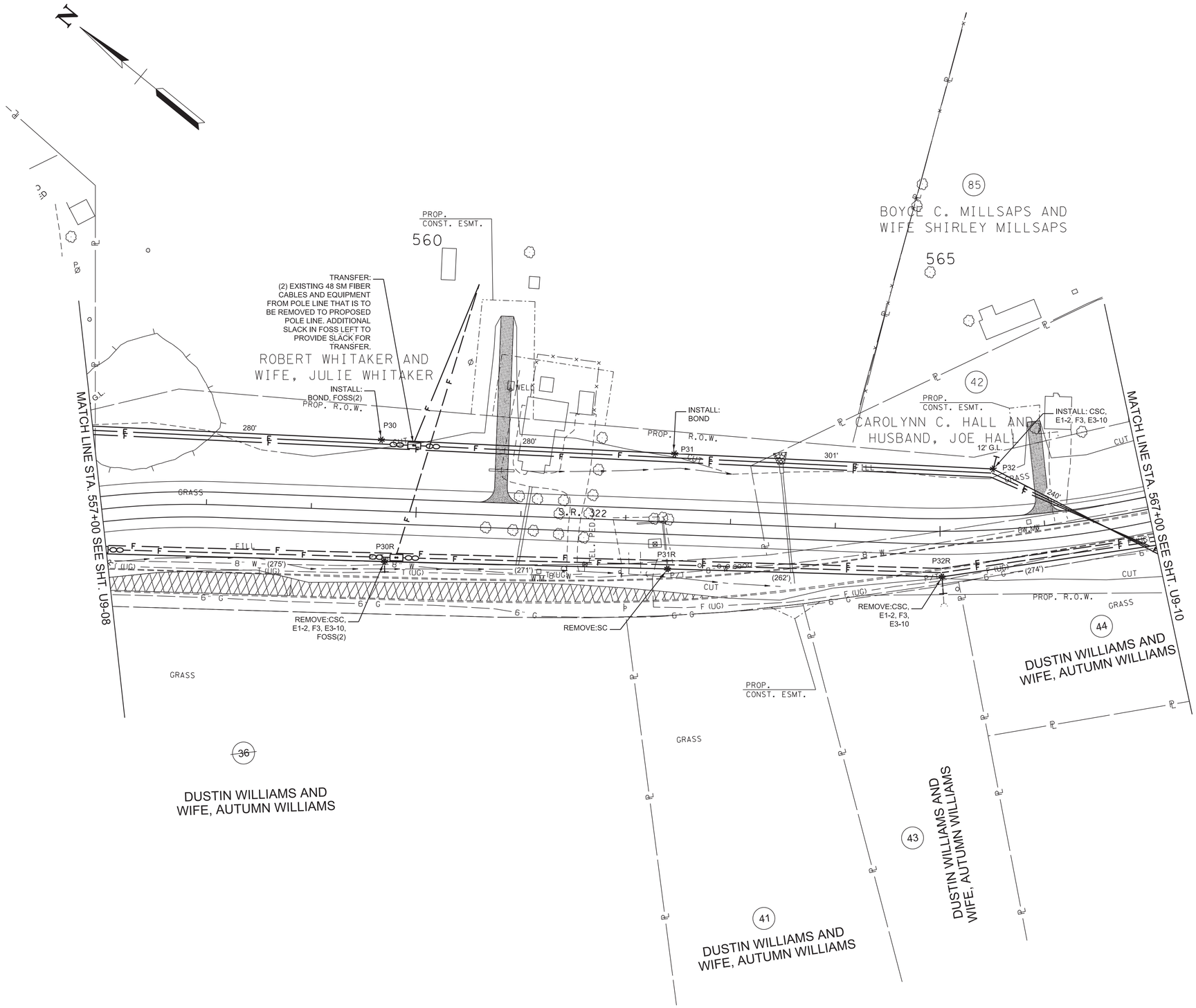
JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	DATE
1"=50'	11.15.24

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 548+00 TO STA. 557+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-09
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



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11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS

JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	DATE
1"=50'	11.15.24

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 557+00 TO STA. 567+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-10
		62016-3206-14	

MONROE COUNTY
PIN #102380.02

N

85
BOYCE C. MILLSAPS AND WIFE SHIRLEY MILLSAPS

TRANSFER: (1) EXISTING 48 SM FIBER CABLE AND EQUIPMENT FROM POLE LINE THAT IS TO BE REMOVED TO PROPOSED POLE LINE. ADDITIONAL SLACK IN FOSS LEFT TO PROVIDE SLACK FOR TRANSFER.

LAKESIDE RD

P33.4

14' G.L.

INSTALL:DDE, E1-2,F3, E3-10, FOSS

REMOVE: SC, FOSS

87

MH

TRANSFER: (1) EXISTING 48 SM FIBER CABLE AND EQUIPMENT FROM POLE LINE THAT IS TO BE REMOVED TO PROPOSED POLE LINE, ADDITIONAL SLACK IN FOSS LEFT TO PROVIDE SLACK FOR TRANSFER.

~~MARK A. PATTERSON AND WIFE, SARAH E. PATTERSON~~

MARK A. PATTERSON AND WIFE, SARAH PATTERSON

DUSTIN A. WILLAMS AND AUTUMN N. SHELL

575
DUSTIN ALLEN WILLIAMS AND WIFE, AUTUMN N. WILLIAMS

52

TRANSFER: (2) EXISTING 48 SM FIBER CABLES AND EQUIPMENT FROM POLE LINE THAT IS TO BE REMOVED TO PROPOSED POLE LINE. ADDITIONAL SLACK IN FOSS LEFT TO PROVIDE SLACK FOR TRANSFER.

P/T

PROP. CONST. ESMT.

50

INSTALL:DDE E1-2, F3, E3-10, E2-2 , FOSS

REMOVE: SC, E2-2

PROP. R.O.W.

GRASS

REMOVE:SC FOSS(2)

CUT

12' G.L.

P37

(164')

P37R

REMOVE: DE E1-2, F3, E3-10

GRASS

CUT

PROP. R.O.W.

53

MATCH LINE STA. 577+00 SEE SHT. U9-11

MATCH LINE STA. 567+00 SEE SHT. U9-09

570
46S
VICTORIA GRAY

P33.3
12' G.L.

INSTALL:DDE, E1-2,F3, E3-10, FOSS

P33.3R

REMOVE:SC, E1-2,F3 E3-10 FOSS

PROP. CONST. ESMT.

47
BRENDA SUE COOPER

48
SASKCUS, LLC, LARRY COX, CANG D. NGUYEN AND JAMES M. TIPTON

WELL

PROP. R.O.W.

46
VICTORIA GRAY

REMOVE:SC, E1-2,F3, E3-10 FOSS(4)

REMOVE:CSC E1-2, F3 E3-10 FOSS(4)

P36R

P37R

P35R

P.I. R. 322

(230')

GRASS

CUT

P33R

C.V.

10' G.L.

P33

10' G.L.

(308')

231'

189'

P34

P34R

12' G.L.

P35

187'

9' G.L.

P36

TOR-935.80

INSTALL:CSC, E1-2, F3, E3-10, FOSS(2)

INSTALL: BOND

PROP. R.O.W.

TRANSFER: (3) EXISTING 48 SM FIBER CABLES AND EQUIPMENT FROM POLE LINE THAT IS TO BE REMOVED TO PROPOSED POLE LINE. ADDITIONAL SLACK IN FOSS LEFT TO PROVIDE SLACK FOR TRANSFER.

INSTALL: CSC, E1-2, F3, E3-10, FOSS(2)

TRANSFER: (2) EXISTING 48 SM FIBER CABLES AND EQUIPMENT FROM POLE LINE THAT IS TO BE REMOVED TO PROPOSED POLE LINE. ADDITIONAL SLACK IN FOSS LEFT TO PROVIDE SLACK FOR TRANSFER.

INSTALL:DDE(2), E1-2(2),F3(2), E3-10(2), FOSS(4)

45

55

REMOVE:CSC E1-2, F3 E3-10

PROP. CONST. ESMT.

DEAN WILLIAMS AND WIFE, BRENDA WILLIAMS

LAST MARK

PROP. R.O.W.

PRES. R.O.W.

LAKESIDE RD

P33.1R

REMOVE: CSC E1-2, F3, E3-10 FOSS(4)

(190')

287'

82

15' G.L.

P33.1S

INSTALL: DDE, E1-2, F3, E3-10, FOSS(4)

TRANSFER: (3) EXISTING 48 SM FIBER CABLES AND EQUIPMENT FROM POLE LINE THAT IS TO BE REMOVED TO PROPOSED POLE LINE. ADDITIONAL SLACK IN FOSS LEFT TO PROVIDE SLACK FOR TRANSFER.

83

DUSTIN WILLIAMS AND WIFE, AUTUMN WILLIAMS

49

CEM

51

CLYDE FLETCHER ET AL, TRUSTEES FOR THE ST. PAUL'S LUTHERAN CHURCH

PRES. R.O.W.

60

Know what's below. Call 811 before you dig.

11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS

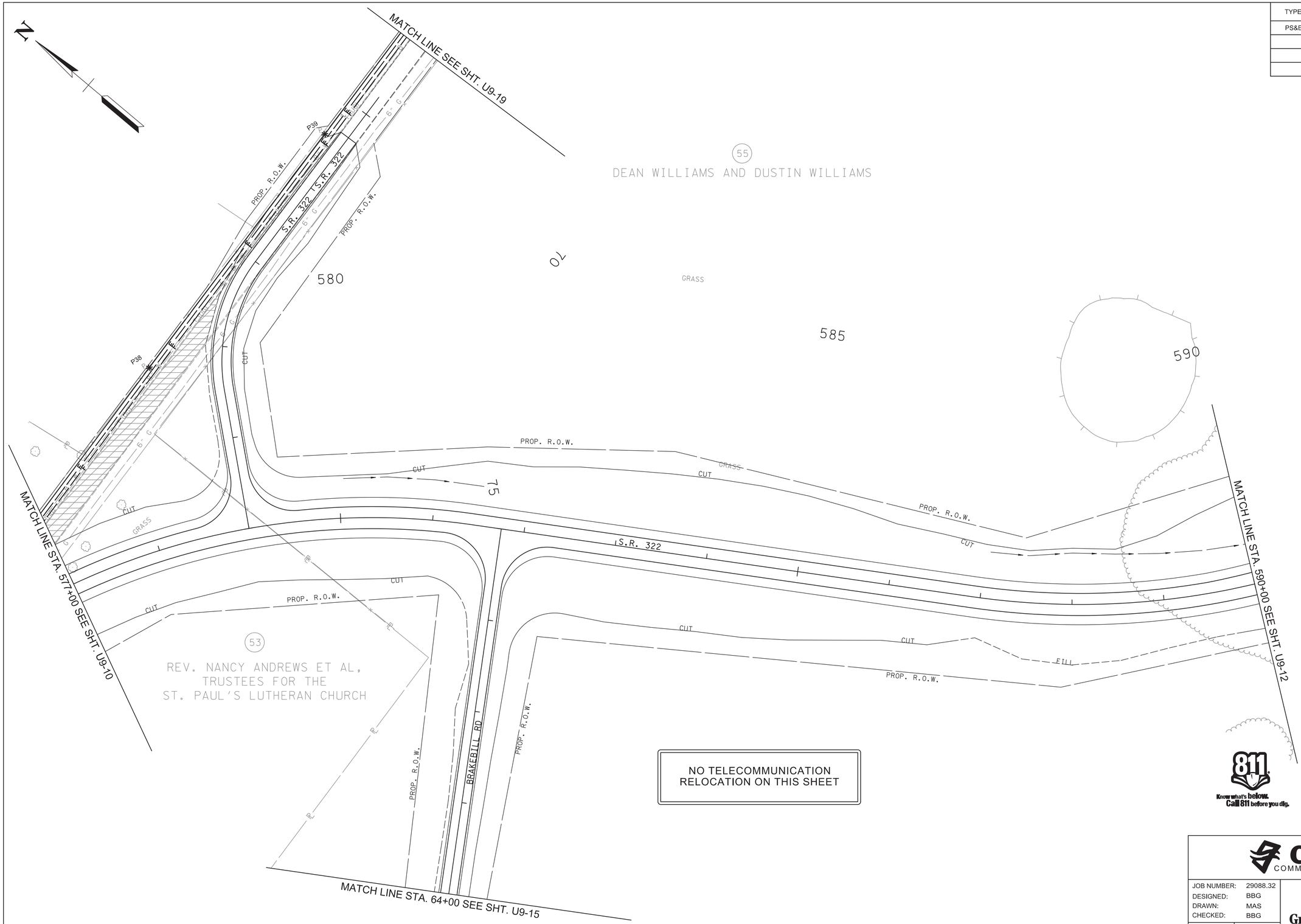
JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	DATE
1"=50'	11.15.25

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 567+00 TO STA. 577+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-11
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



NO TELECOMMUNICATION
RELOCATION ON THIS SHEET

Know what's below.
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11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS.

JOB NUMBER:	29088.32
DESIGNED:	BBG
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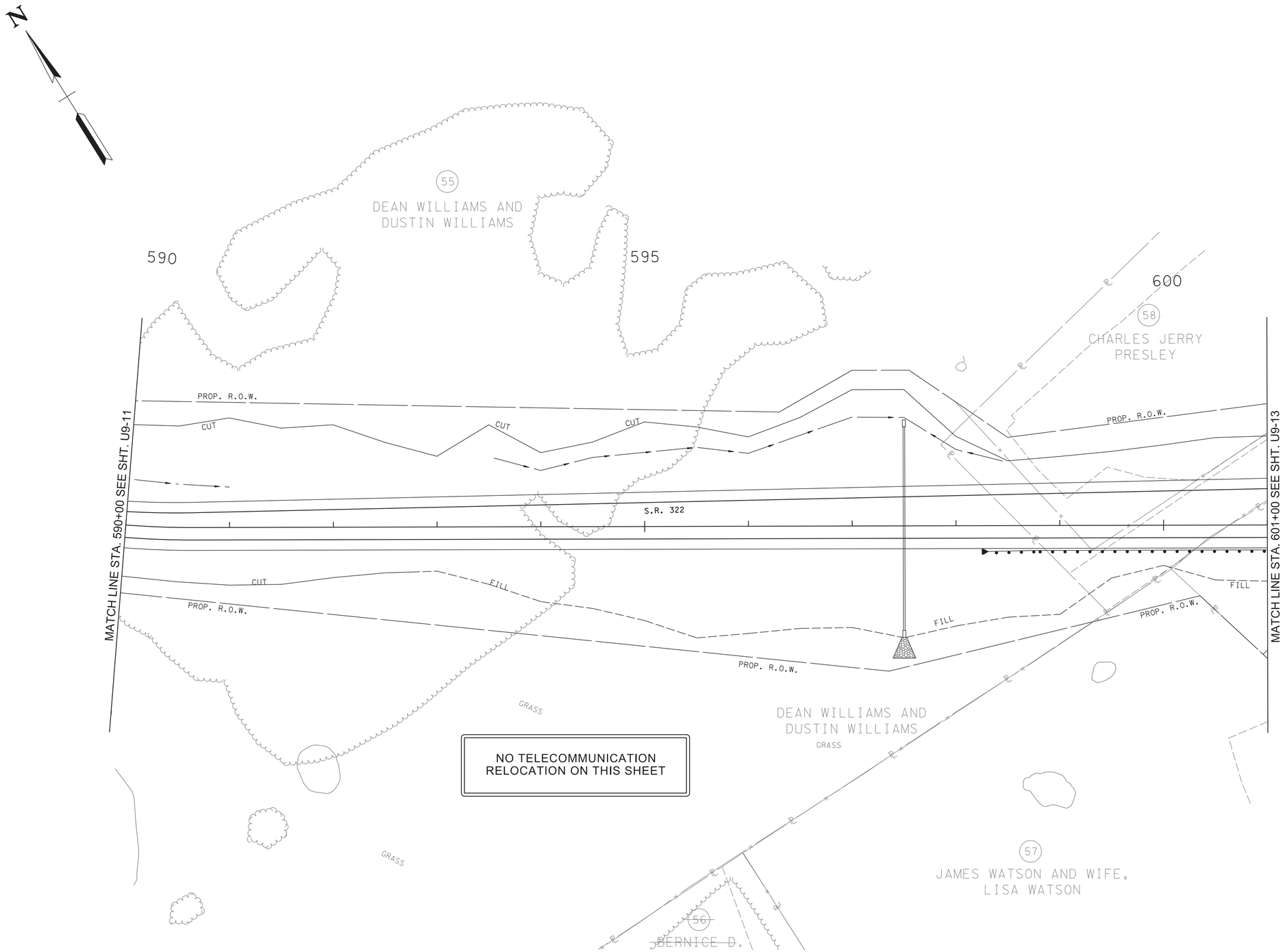
1"=50'	11.15.25

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 577+00 TO STA. 590+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-12
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



NO TELECOMMUNICATION RELOCATION ON THIS SHEET

Know what's below. Call 811 before you dig.

11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS.

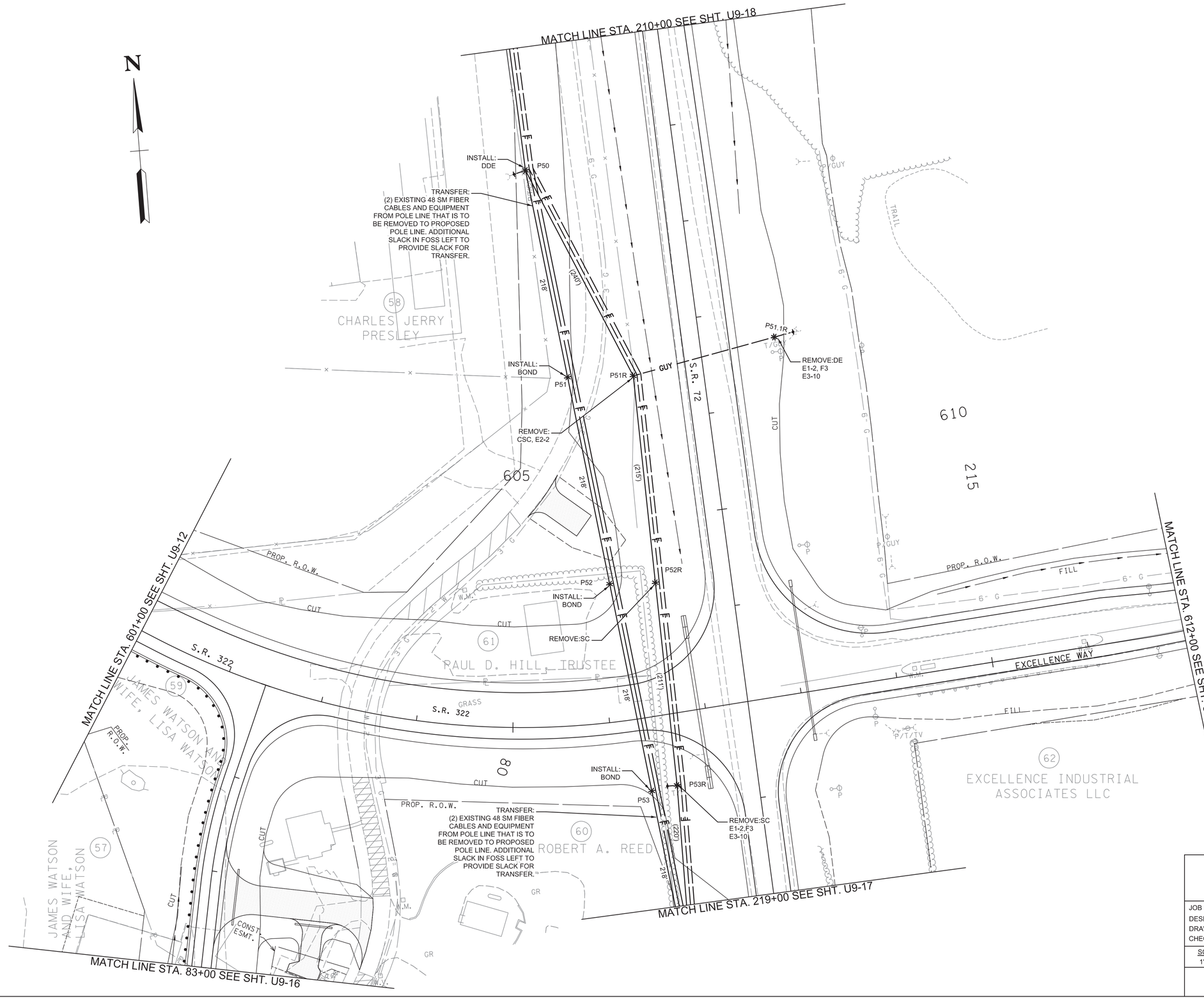
JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	DATE
1"=50'	11.15.25

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 590+00 TO STA. 601+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-13
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



Know what's below. Call 811 before you dig.

11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS.

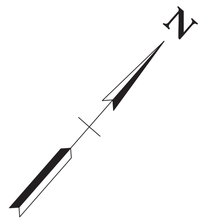
JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	1"=50'
DATE	11.15.25

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 601+00 TO STA. 612+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-14
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



THE TELLICO RESERVOIR DEVELOPMENT AGENCY

89

615

620

62016-3206-14
END PROJECT STP-322(15)
STA. 617+10.00 (CONST.)

NO TELECOMMUNICATION RELOCATION ON THIS SHEET

MATCH LINE STA. 612+00 SEE SHT. U9-13

PROP. R.O.W.

FILL

CUT

CUT

EXCELLENCE WAY

℄

℄

GRASS

62016-2206-14
END PROJECT STP-322(15)
STA. 617+40.00 (R.O.W.)
N 468141.4737 E 2482776.2032

62

EXCELLENCE INDUSTRIAL ASSOCIATES LLC

811 Know what's below. Call 811 before you dig.

11/15/2024

GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
STRUCTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS

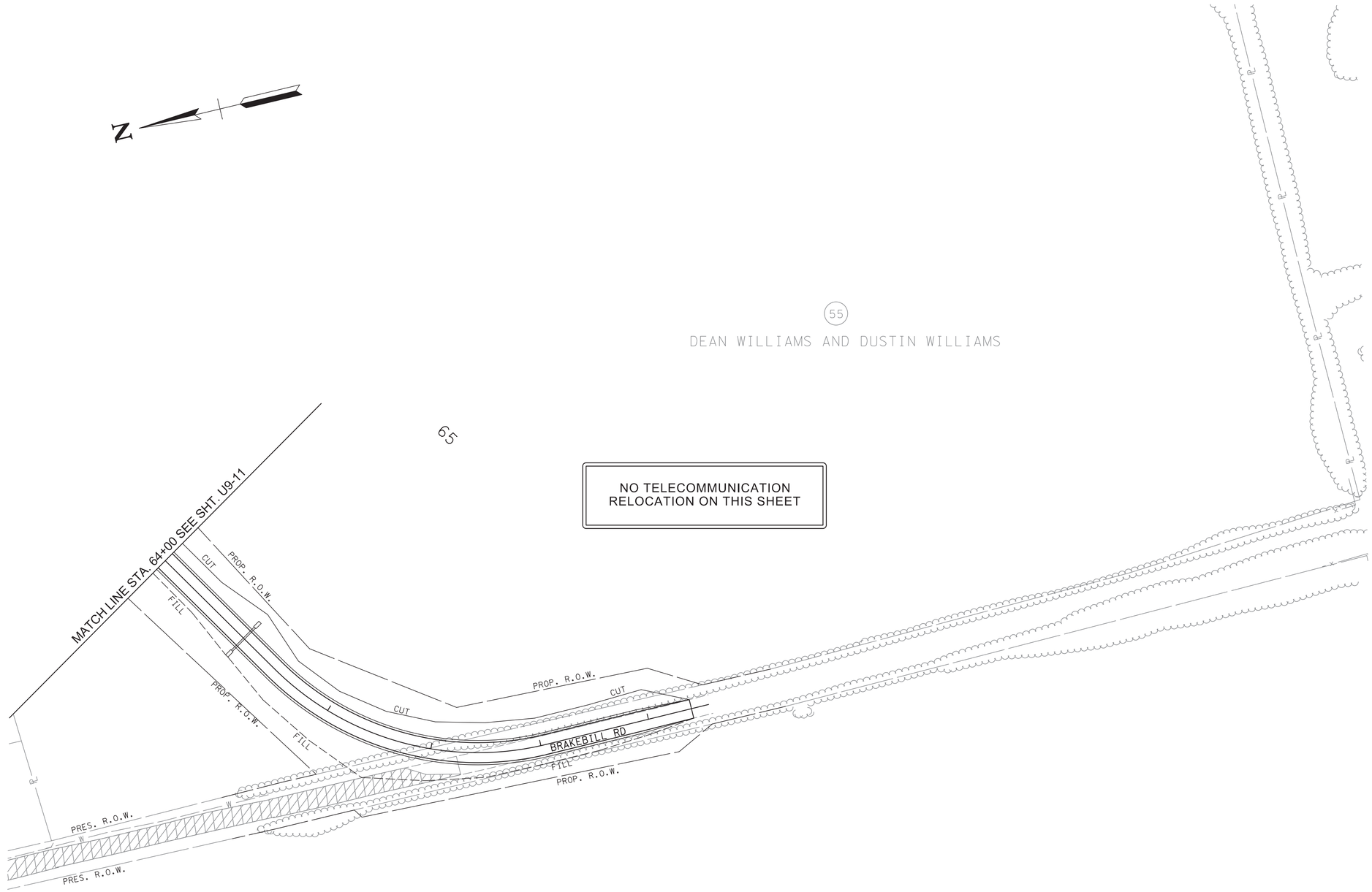
JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	DATE
1"=50'	11.15.25

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 612+00 TO STA. 619+50

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-15
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



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11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS

JOB NUMBER:	29088.32
DESIGNED:	BBG
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CHECKED:	BBG
SCALE	DATE
1"=50'	11.15.25

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 64+00 TO STA. 69+40

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-16
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



Know what's below. Call 811 before you dig.

11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS.

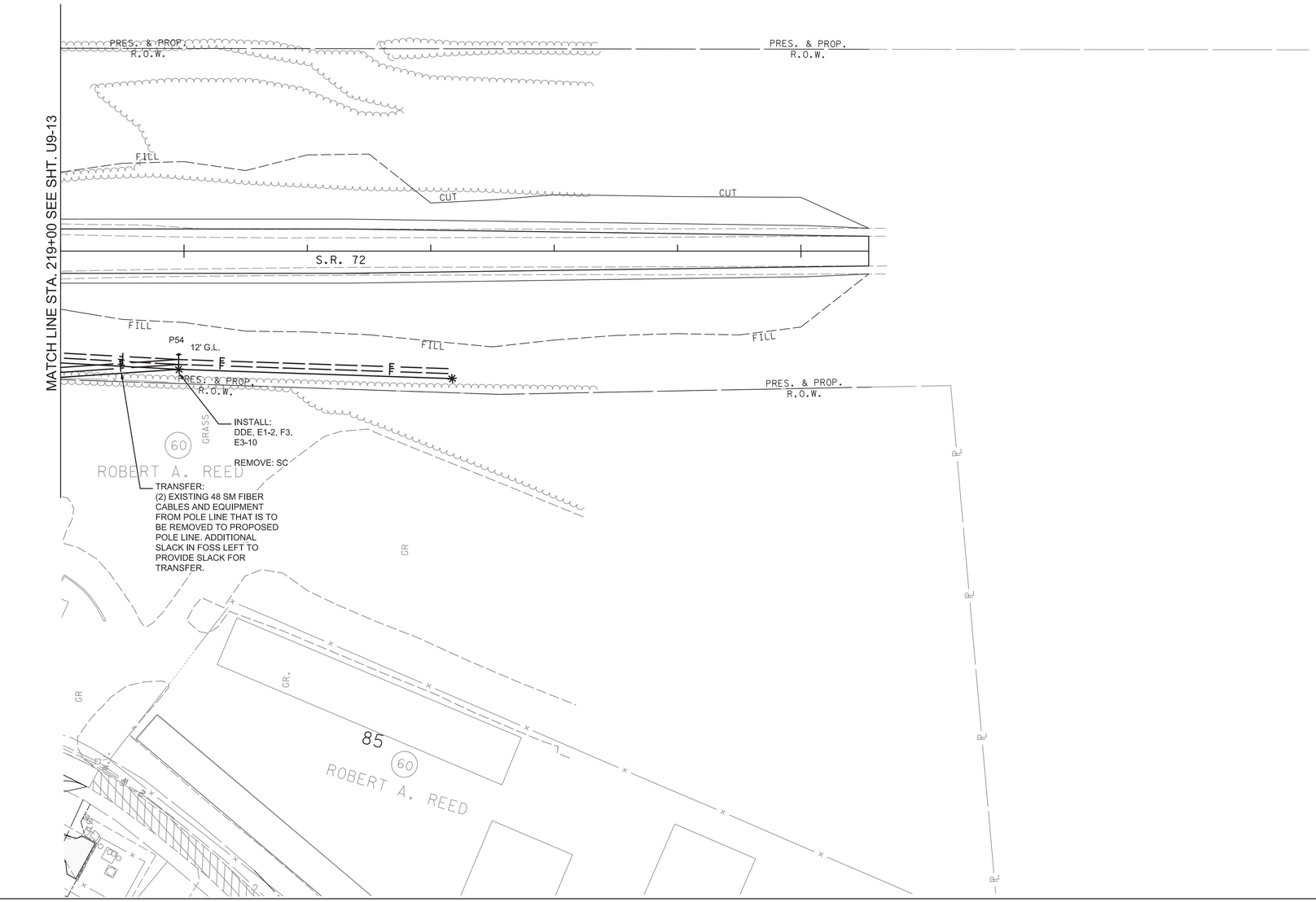
JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	DATE
1"=50'	11.15.25

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 83+00 TO STA. 89+75

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-17
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



Know what's below. Call 811 before you dig.

11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
No. 100345
STATE OF TENNESSEE

Charter COMMUNICATIONS

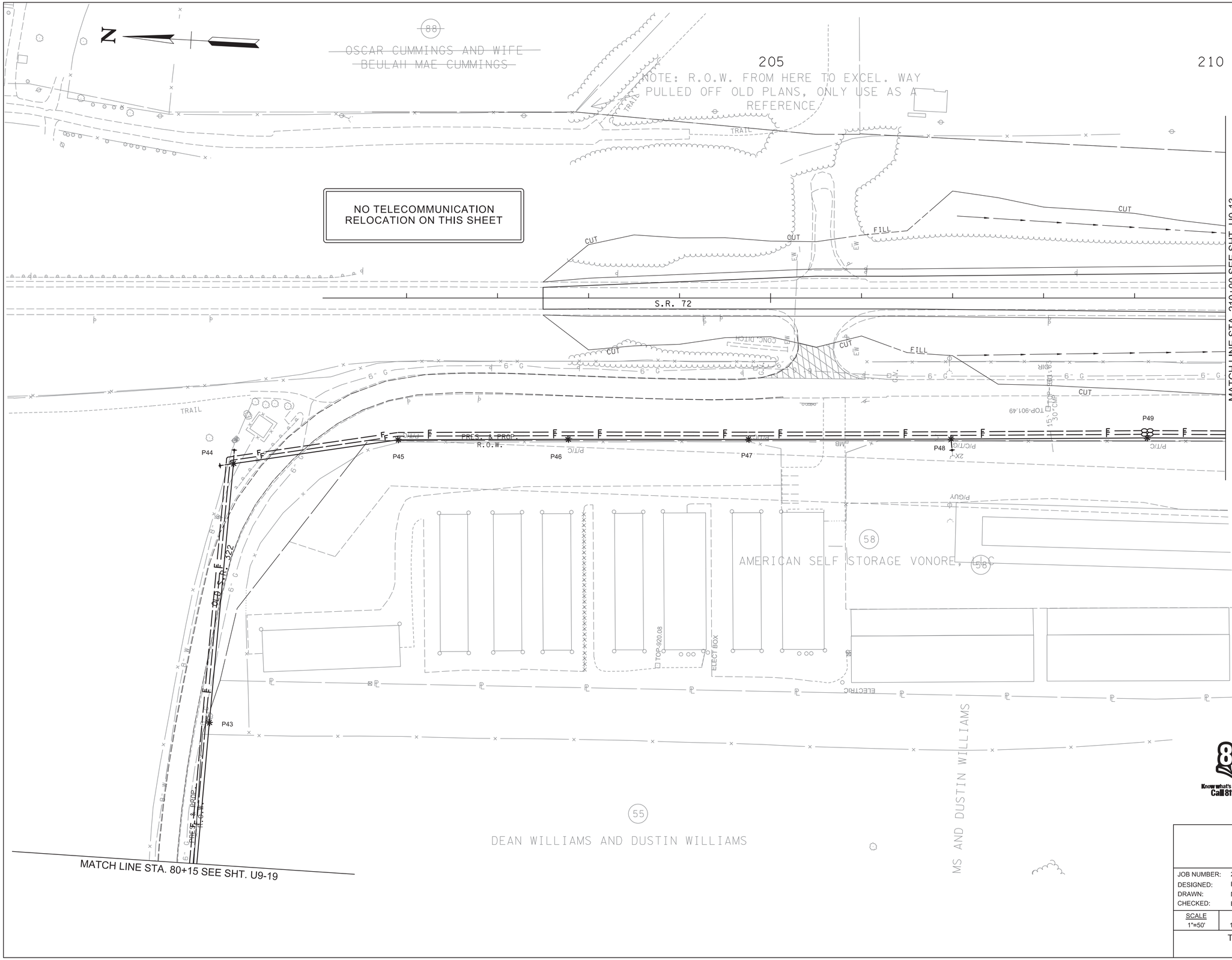
JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	DATE
1"=50'	11.15.25

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 219+00 TO STA. 225+55

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-18
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



811 Know what's below. Call 811 before you dig.

11/15/2024

GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS

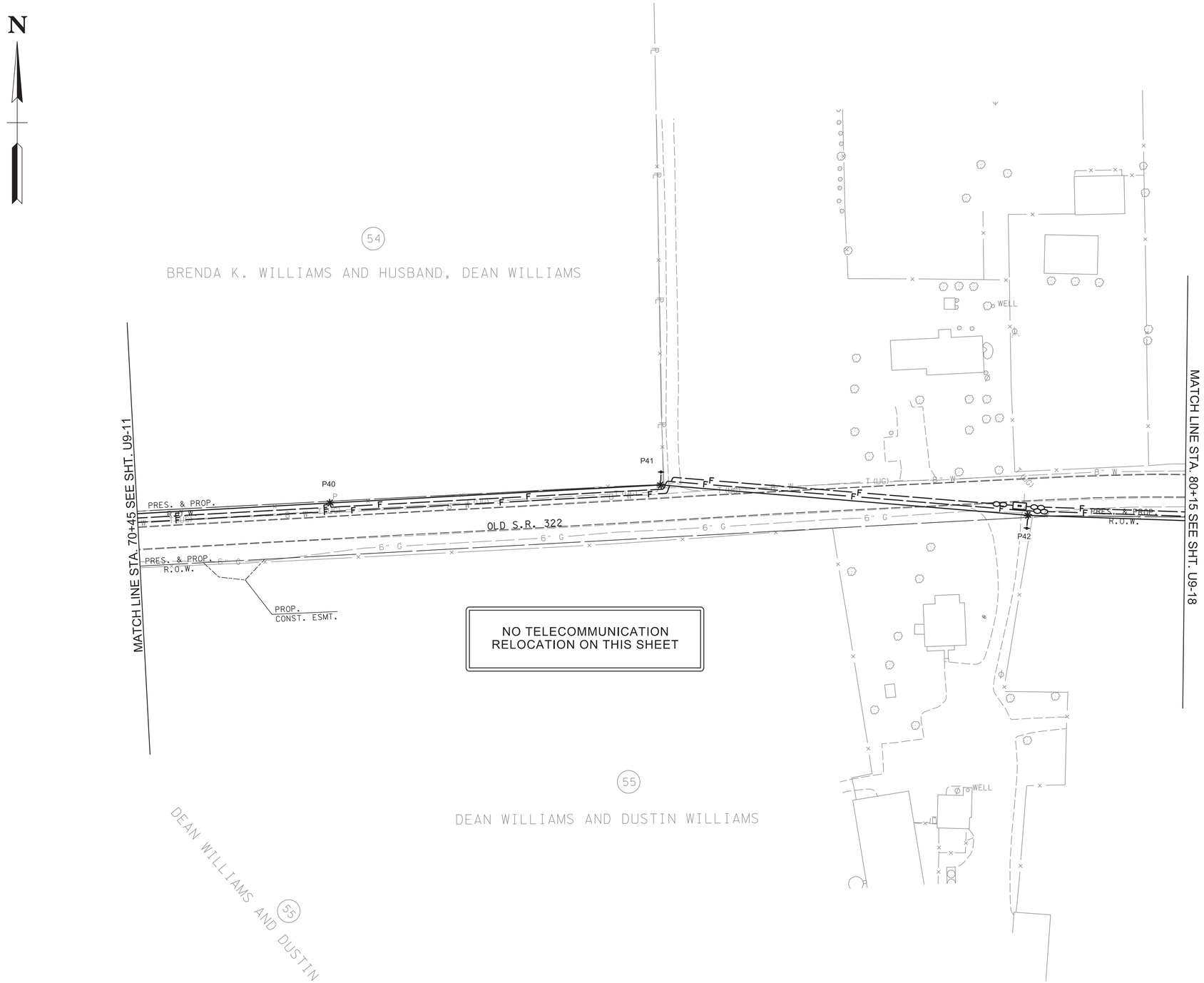
JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	DATE
1"=50'	11.15.25

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

TELECOMMUNICATION RELOCATION
STA. 202+50 TO STA. 210+00

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(15)	U9-19
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



Know what's below. Call 811 before you dig.

11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
POWERS
No. 100345
STATE OF TENNESSEE

Charter COMMUNICATIONS

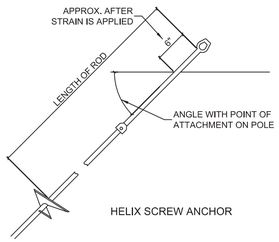
JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE	DATE
1"=50'	11.15.25

Gresham Smith
2095 LAKESIDE CENTRE WAY
SUITE 120
KNOXVILLE, TENNESSEE 37922
(865) 521-6777 (866) 539-7192

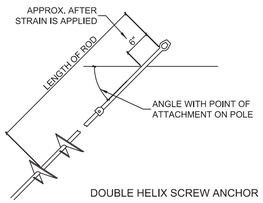
TELECOMMUNICATION RELOCATION
STA. 70+45 TO STA. 80+15

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2025	STP-322(5)	U9-20
		62016-3206-14	

MONROE COUNTY
PIN #102380.02



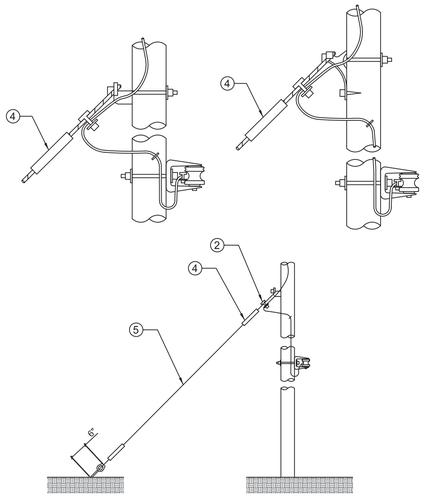
HELIX SCREW ANCHOR



DOUBLE HELIX SCREW ANCHOR

POWER INSTALLED 8" HELIX SCREW ANCHORS

ASSEMBLY: F2 & F3



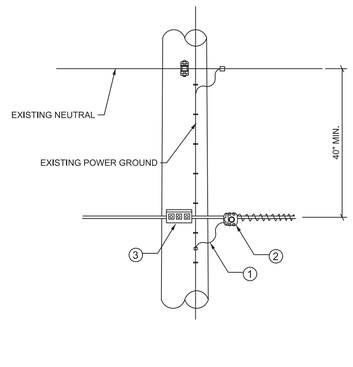
NOTES:

1. GCC15-S4R GUY INSULATOR INCLUDED FOR STEEL POLE ASSEMBLIES.
2. ALL GUY LEAD LENGTHS SHALL BE SET USING A 2:1 RATIO TO THE HEIGHT OF THE POLE UNLESS NOTED OTHERWISE.

ID	QTY.	DESCRIPTION
1	1	POLE EYE ATTACHMENT #MGA-345N
2	1	GUY CLAMPS 3 BOLT
3	1	DEAD END GUY GRIP 3/8"
4	1	GUY FIBERGLASS STRAIN INSULATOR
5	1	GUY WIRE (LENGTH AS REQUIRED)

DOWN GUY 3/8" THRU BOLT TYPE

ASSEMBLY: E1-2



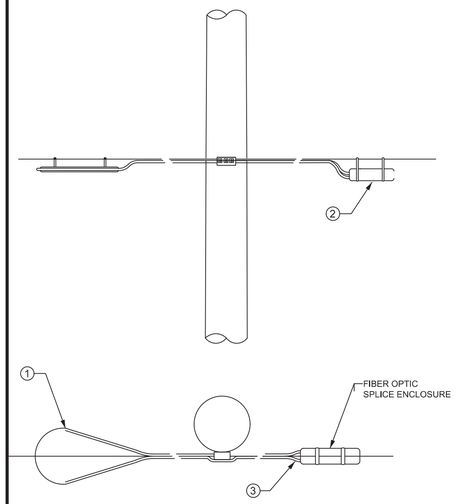
NOTES:

1. BOND AT EVERY GROUND, EXCEPT FOR AMPLIFIER AND LINE EXTENDER LOCATIONS.
2. GROUND WIRE MUST NOT EXTEND OUT OF THE END OF THE K-1 BONDING CLAMP.

ID	QTY.	DESCRIPTION
1	AS REQ'D	#6 GROUND WIRE (LENGTH AS REQUIRED)
2	1	K-1 BONDING CLAMP
3	1	3-BOLT SUSPENSION CLAMP ASSEMBLY

STRAIGHT LINE CONSTRUCTION WITH BOND

ASSEMBLY: BOND



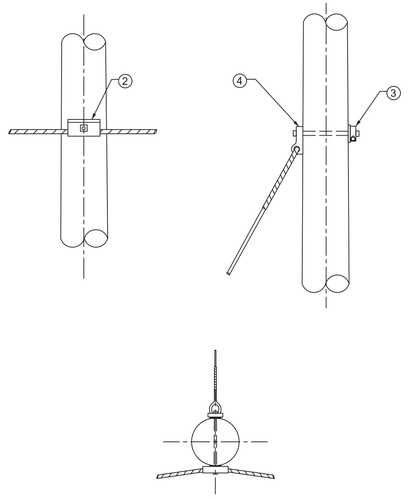
NOTES:

1. FIBEROPTIC STRAND STORAGE IS ANTEC* FIBERLOOP* MODEL FOSS-2.
2. STRAND STORAGE IS TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS.

ID	QTY.	DESCRIPTION
1	1	ANTEC FIBERLOOP MODEL FOSS-2
2	1	FIBEROPTIC SPLICE ENCLOSURE
3	1	FIBER (LENGTH AND SIZE AS REQUIRED)

FIBEROPTIC STRAND STORAGE

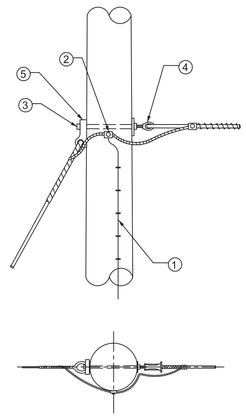
ASSEMBLY: FOSS



ID	QTY.	DESCRIPTION
1	2	2-1/4" SQUARE FLAT WASHER
2	1	CURVED SUSPENSION CLAMP
3	1	5/8" X REQ'D LENGTH MACHINE BOLT W/ LOCKNUT
4	1	GUYING BRACKET

CURVED CABLE SUSPENSION CLAMP

ASSEMBLY: CSC



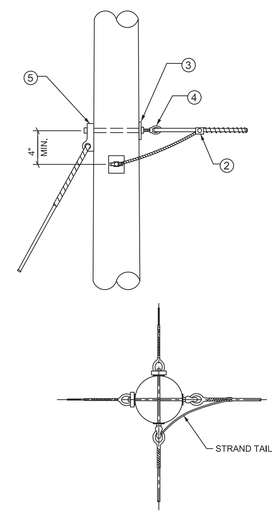
NOTES:

1. BOND NEW #4 CU. GROUND TO EXISTING GROUND. IF NO GROUND EXISTS, INSTALL #4 CU. GROUND WITH 5/8" X 8' GROUND ROD AND 5/8" GROUND ROD CLAMP.
2. PREFORMED DEADEND MUST BE PROPER OVAL SHAPE AND FIT COMPLETELY INTO GUY STRAP.
3. GROUND WIRE MUST NOT EXTEND OUT OF THE END OF THE K-1 BONDING CLAMP.
4. IF BOND BETWEEN STRAND AND DOWN GUY IS REQUIRED BY SPECIFIC LOCAL INTERPRETATION, USE GUY TAIL AND K-2 BONDING CLAMP.

ID	QTY.	DESCRIPTION
1	AS REQ'D	#4 CU. GROUND WIRE (LENGTH AS REQUIRED)
2	3	K-1 BONDING CLAMP
3	1	5/8" x REQUIRED LENGTH MACHINE BOLT W/ LOCKNUT
4	1	THIMBLEYE NUT
5	1	GUYING BRACKET

STRAND DEADEND

ASSEMBLY: DE



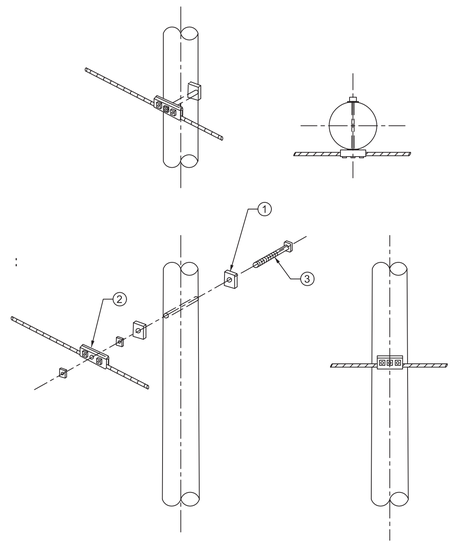
NOTES:

1. PREFORMED DEADEND MUST BE PROPER OVAL SHAPE AND FIT COMPLETELY INTO GUY STRAP.
2. IF BOND BETWEEN STRAND AND DOWN GUY IS REQUIRED BY SPECIFIC LOCAL INTERPRETATION, USE GUY TAIL AND K-2 BONDING CLAMP.

ID	QTY.	DESCRIPTION
1	AS REQ'D	#4 CU. GROUND WIRE (LENGTH AS REQUIRED)
2	1	K-2 BONDING CLAMP
3	2	5/8" x REQUIRED LENGTH MACHINE BOLT W/ LOCKNUT
4	2	THIMBLEYE NUT
5	2	GUYING BRACKET

DOUBLE DEADEND

ASSEMBLY: DDE



ID	QTY.	DESCRIPTION
1	2	2-1/4" SQUARE FLAT WASHER
2	1	3-BOLT SUSPENSION CLAMP ASSEMBLY
3	1	5/8" X REQ'D LENGTH MACHINE BOLT W/ LOCKNUT

CABLE SUSPENSION CLAMP STRAIGHT LINE CONSTRUCTION

ASSEMBLY: SC

11/15/2024
GREGORY K. POSTON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
No. 100945
STATE OF TENNESSEE

Charter COMMUNICATIONS

JOB NUMBER:	29088.32
DESIGNED:	BBG
DRAWN:	MAS
CHECKED:	BBG
SCALE: NONE	DATE: 11.15.25

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CONSTRUCTION DETAILS